

# SECTION **SRC**

## SRS AIRBAG CONTROL SYSTEM

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

### CONTENTS

<b>FOR USA AND CANADA</b>		
<b>BASIC INSPECTION</b> .....	8	
<b>DIAGNOSIS AND REPAIR WORK FLOW</b> .....	8	
Work Flow .....	8	
<b>FUNCTION DIAGNOSIS</b> .....	10	
<b>SRS AIR BAG SYSTEM</b> .....	10	
System Diagram .....	10	
System Description .....	10	
Component Parts Location .....	12	
Component Description .....	12	
<b>OCCUPANT CLASSIFICATION SYSTEM</b> .....	14	
System Diagram .....	14	
System Description .....	14	
Component Parts Location .....	14	
Component Description .....	15	
<b>PASSENGER SEAT BELT WARNING SYSTEM</b> .....	16	
System Diagram .....	16	
System Description .....	16	
Component Parts Location .....	17	
Component Description .....	17	
<b>DIAGNOSIS SYSTEM (AIRBAG)</b> .....	18	
Diagnosis Description .....	18	
CONSULT-III Function .....	20	
<b>COMPONENT DIAGNOSIS</b> .....	22	
<b>B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT</b> .....	22	
Description .....	22	
DTC Logic .....	22	
Diagnosis Procedure .....	23	
<b>B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT</b> .....	24	
Description .....	24	
DTC Logic .....	24	
Diagnosis Procedure .....	25	
<b>B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT</b> .....	26	
Description .....	26	
DTC Logic .....	26	
Diagnosis Procedure .....	27	
<b>B1017, B1020, B1021 OCCUPANT SENS C/U</b> .....	28	
Description .....	28	
DTC Logic .....	28	
Diagnosis Procedure .....	29	
<b>B1018 OCCUPANT SENS</b> .....	30	
Description .....	30	
DTC Logic .....	30	
Diagnosis Procedure .....	31	
<b>B1022 OCCUPANT SENS C/U</b> .....	32	
Description .....	32	
DTC Logic .....	32	
Diagnosis Procedure .....	33	
<b>B1023 PASS A/B INDCTR CKT</b> .....	34	
Description .....	34	
DTC Logic .....	34	
Diagnosis Procedure .....	35	
<b>B1025, B1032, B1048 OCS SENSOR</b> .....	36	
Description .....	36	
DTC Logic .....	36	
Diagnosis Procedure .....	36	
<b>B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT</b> .....	38	
Description .....	38	
DTC Logic .....	38	
Diagnosis Procedure .....	39	

SRC

<b>B1033, B1034 CRASH ZONE SEN</b> .....	40	Diagnosis Procedure .....	67
Description .....	40	<b>B1068, B1073 ASSIST A/B MODULE</b> .....	68
DTC Logic .....	40	Description .....	68
Diagnosis Procedure .....	41	DTC Logic .....	68
<b>B1035, B1036, B1038, B1040 CRASH ZONE SEN</b> .....	42	Diagnosis Procedure .....	69
Description .....	42	<b>B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT</b> .....	70
DTC Logic .....	42	Description .....	70
Diagnosis Procedure .....	43	DTC Logic .....	70
<b>B1037, B1039, B1041 CRASH ZONE SENS1...</b> .....	44	Diagnosis Procedure .....	71
Description .....	44	<b>B1080, B1096 DRIVER AIRBAG MODULE</b> .....	72
DTC Logic .....	44	Description .....	72
Diagnosis Procedure .....	44	DTC Logic .....	72
<b>B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT</b> .....	46	Diagnosis Procedure .....	72
Description .....	46	<b>B1081 PRE-TEN FRONT RH</b> .....	74
DTC Logic .....	46	Description .....	74
Diagnosis Procedure .....	47	DTC Logic .....	74
<b>B1049, B1054 DRIVER AIRBAG MODULE</b> .....	48	Diagnosis Procedure .....	75
Description .....	48	<b>B1082 PRE-TEN FRONT RH</b> .....	76
DTC Logic .....	48	Description .....	76
Diagnosis Procedure .....	49	DTC Logic .....	76
<b>B1050, B1055 DRIVER AIRBAG MODULE</b> .....	51	Diagnosis Procedure .....	77
Description .....	51	<b>B1083 PRE-TEN FRONT RH</b> .....	78
DTC Logic .....	51	Description .....	78
Diagnosis Procedure .....	52	DTC Logic .....	78
<b>B1051, B1056 DRIVER AIRBAG MODULE</b> .....	54	Diagnosis Procedure .....	79
Description .....	54	<b>B1084 PRE-TEN FRONT RH</b> .....	80
DTC Logic .....	54	Description .....	80
Diagnosis Procedure .....	55	DTC Logic .....	80
<b>B1052, B1057 DRIVER AIRBAG MODULE</b> .....	57	Diagnosis Procedure .....	81
Description .....	57	<b>B1086 PRE-TEN FRONT LH</b> .....	82
DTC Logic .....	57	Description .....	82
Diagnosis Procedure .....	58	DTC Logic .....	82
<b>B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT</b> .....	60	Diagnosis Procedure .....	83
Description .....	60	<b>B1087 PRE-TEN FRONT LH</b> .....	84
DTC Logic .....	60	Description .....	84
Diagnosis Procedure .....	61	DTC Logic .....	84
<b>B1065, B1070 ASSIST A/B MODULE</b> .....	62	Diagnosis Procedure .....	85
Description .....	62	<b>B1088 PRE-TEN FRONT LH</b> .....	86
DTC Logic .....	62	Description .....	86
Diagnosis Procedure .....	63	DTC Logic .....	86
<b>B1066, B1071 ASSIST A/B MODULE</b> .....	64	Diagnosis Procedure .....	87
Description .....	64	<b>B1089 PRE-TEN FRONT LH</b> .....	88
DTC Logic .....	64	Description .....	88
Diagnosis Procedure .....	65	DTC Logic .....	88
<b>B1067, B1072 ASSIST A/B MODULE</b> .....	66	Diagnosis Procedure .....	89
Description .....	66	<b>B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT</b> .....	90
DTC Logic .....	66	Description .....	90
		DTC Logic .....	90

Diagnosis Procedure .....	90	Diagnosis Procedure .....	115
<b>B1106, B1107, B1108, B1109, B1110, B1111</b>		<b>B1151 CURTAIN MODULE LH .....</b>	<b>116</b>
<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>92</b>	Description .....	116
Description .....	92	DTC Logic .....	116
DTC Logic .....	92	Diagnosis Procedure .....	117
Diagnosis Procedure .....	93	<b>B1152 CURTAIN MODULE LH .....</b>	<b>118</b>
<b>B1113, B1114 SATELLITE SENS RH .....</b>	<b>94</b>	Description .....	118
Description .....	94	DTC Logic .....	118
DTC Logic .....	94	Diagnosis Procedure .....	119
Diagnosis Procedure .....	95	<b>B1153 CURTAIN MODULE LH .....</b>	<b>120</b>
<b>B1115, B1116 SATELLITE SENS RH .....</b>	<b>96</b>	Description .....	120
Description .....	96	DTC Logic .....	120
DTC Logic .....	96	Diagnosis Procedure .....	121
Diagnosis Procedure .....	97	<b>B1154, B1155, B1156, B1157 DIAGNOSIS</b>	
<b>B1118, B1119 SATELLITE SENS LH .....</b>	<b>98</b>	<b>SENSOR UNIT .....</b>	<b>122</b>
Description .....	98	Description .....	122
DTC Logic .....	98	DTC Logic .....	122
Diagnosis Procedure .....	99	Diagnosis Procedure .....	122
<b>B1120, B1121 SATELLITE SENS LH .....</b>	<b>100</b>	<b>B1170, B1171, B1172, B1173 DIAGNOSIS</b>	
Description .....	100	<b>SENSOR UNIT .....</b>	<b>124</b>
DTC Logic .....	100	Description .....	124
Diagnosis Procedure .....	101	DTC Logic .....	124
<b>B1138, B1139, B1140, B1141, B1142, B1143</b>		Diagnosis Procedure .....	124
<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>102</b>	<b>B1186, B1187, B1188, B1189 DIAGNOSIS</b>	
Description .....	102	<b>SENSOR UNIT .....</b>	<b>126</b>
DTC Logic .....	102	Description .....	126
Diagnosis Procedure .....	103	DTC Logic .....	126
<b>B1144 DIAGNOSIS SENSOR UNIT .....</b>	<b>104</b>	Diagnosis Procedure .....	126
Description .....	104	<b>B1202, B1203, B1204, B1205, B1206, B1207</b>	
DTC Logic .....	104	<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>128</b>
Diagnosis Procedure .....	104	Description .....	128
<b>B1145 CURTAIN MODULE RH .....</b>	<b>106</b>	DTC Logic .....	128
Description .....	106	Diagnosis Procedure .....	129
DTC Logic .....	106	<b>B1209 FRONTAL COLLISION DETECTION ..</b>	<b>130</b>
Diagnosis Procedure .....	107	Description .....	130
<b>B1146 CURTAIN MODULE RH .....</b>	<b>108</b>	DTC Logic .....	130
Description .....	108	Diagnosis Procedure .....	130
DTC Logic .....	108	<b>B1210 SIDE COLLISION DETECTION .....</b>	<b>132</b>
Diagnosis Procedure .....	109	Description .....	132
<b>B1147 CURTAIN MODULE RH .....</b>	<b>110</b>	DTC Logic .....	132
Description .....	110	Diagnosis Procedure .....	132
DTC Logic .....	110	<b>B1211 ROLLOVER DETECTION .....</b>	<b>134</b>
Diagnosis Procedure .....	111	Description .....	134
<b>B1148 CURTAIN MODULE RH .....</b>	<b>112</b>	DTC Logic .....	134
Description .....	112	Diagnosis Procedure .....	134
DTC Logic .....	112	<b>B1212, B1213, B1214 RH1 SAT-SENS .....</b>	<b>136</b>
Diagnosis Procedure .....	113	Description .....	136
<b>B1150 CURTAIN MODULE LH .....</b>	<b>114</b>	DTC Logic .....	136
Description .....	114	Diagnosis Procedure .....	136
DTC Logic .....	114		

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

<b>B1215, B1216, B1217 LH1 SAT-SENS</b> .....	138	Description .....	181
Description .....	138	DTC Logic .....	181
DTC Logic .....	138	Diagnosis Procedure .....	182
Diagnosis Procedure .....	138		
<b>B1218, B1219 DIAGNOSIS SENSOR UNIT</b> ..	140	<b>B1006, B1007, B1008, B1009, B1010 DIAG-</b>	<b>NOSIS SENSOR UNIT</b> .....
Description .....	140	Description .....	183
DTC Logic .....	140	DTC Logic .....	183
Diagnosis Procedure .....	140	Diagnosis Procedure .....	184
<b>ECU DIAGNOSIS</b> .....	142	<b>B1011, B1012, B1013, B1014, B1015 DIAG-</b>	<b>NOSIS SENSOR UNIT</b> .....
<b>DIAGNOSIS SENSOR UNIT</b> .....	142	Description .....	185
DTC Index .....	142	DTC Logic .....	185
Wiring Diagram — SRS AIR BAG CONTROL		Diagnosis Procedure .....	186
SYSTEM — .....	150		
<b>SYMPTOM DIAGNOSIS</b> .....	167	<b>B1026, B1027, B1028, B1029, B1030, B1031</b>	<b>DIAGNOSIS SENSOR UNIT</b> .....
<b>SRS AIR BAG WARNING LAMP DOES NOT</b>		Description .....	187
<b>TURN OFF</b> .....	167	DTC Logic .....	187
Diagnosis Procedure .....	167	Diagnosis Procedure .....	188
<b>SRS AIR BAG WARNING LAMP DOES NOT</b>		<b>B1033, B1034 CRASH ZONE SEN</b> .....	<b>189</b>
<b>TURN ON</b> .....	168	Description .....	189
Diagnosis Procedure .....	168	DTC Logic .....	189
<b>PASSENGER SEAT BELT WARNING SYS-</b>		Diagnosis Procedure .....	190
<b>TEM</b> .....	169	<b>B1035, B1036, B1038, B1040 CRASH ZONE</b>	<b>SEN</b> .....
Diagnosis Procedure .....	169	Description .....	191
<b>PRECAUTION</b> .....	170	DTC Logic .....	191
<b>PRECAUTIONS</b> .....	170	Diagnosis Procedure .....	192
Precaution for Supplemental Restraint System		<b>B1037, B1039, B1041 CRASH ZONE SENS1.</b>	<b>193</b>
(SRS) "AIR BAG" and "SEAT BELT PRE-TEN-		Description .....	193
SIONER" .....	170	DTC Logic .....	193
Service .....	170	Diagnosis Procedure .....	193
Occupant Classification System Precaution .....	170	<b>B1042, B1043, B1044, B1045, B1046, B1047</b>	<b>DIAGNOSIS SENSOR UNIT</b> .....
		Description .....	195
		DTC Logic .....	195
		Diagnosis Procedure .....	196
		<b>B1049, B1054 DRIVER AIRBAG MODULE</b> ....	<b>197</b>
		Description .....	197
		DTC Logic .....	197
		Diagnosis Procedure .....	198
		<b>B1050, B1055 DRIVER AIRBAG MODULE</b> ....	<b>199</b>
		Description .....	199
		DTC Logic .....	199
		Diagnosis Procedure .....	200
		<b>B1051, B1056 DRIVER AIRBAG MODULE</b> ....	<b>201</b>
		Description .....	201
		DTC Logic .....	201
		Diagnosis Procedure .....	202
		<b>B1052, B1057 DRIVER AIRBAG MODULE</b> ....	<b>203</b>
		Description .....	203
<b>B1001, B1002, B1003, B1004, B1005 DIAG-</b>			
<b>NOSIS SENSOR UNIT</b> .....	181		

DTC Logic .....	203	DTC Logic .....	227	
Diagnosis Procedure .....	204	Diagnosis Procedure .....	228	A
<b>B1058, B1059, B1060, B1061, B1062, B1063</b>		<b>B1087 PRE-TEN FRONT LH .....</b>	<b>229</b>	
<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>205</b>	Description .....	229	B
Description .....	205	DTC Logic .....	229	
DTC Logic .....	205	Diagnosis Procedure .....	230	
Diagnosis Procedure .....	206	<b>B1088 PRE-TEN FRONT LH .....</b>	<b>231</b>	C
<b>B1065, B1070 ASSIST A/B MODULE .....</b>	<b>207</b>	Description .....	231	
Description .....	207	DTC Logic .....	231	
DTC Logic .....	207	Diagnosis Procedure .....	232	D
Diagnosis Procedure .....	208	<b>B1089 PRE-TEN FRONT LH .....</b>	<b>233</b>	
<b>B1066, B1071 ASSIST A/B MODULE .....</b>	<b>209</b>	Description .....	233	E
Description .....	209	DTC Logic .....	233	
DTC Logic .....	209	Diagnosis Procedure .....	234	
Diagnosis Procedure .....	210	<b>B1090, B1091, B1092, B1093 DIAGNOSIS</b>		F
<b>B1067, B1072 ASSIST A/B MODULE .....</b>	<b>211</b>	<b>SENSOR UNIT .....</b>	<b>235</b>	
Description .....	211	Description .....	235	
DTC Logic .....	211	DTC Logic .....	235	G
Diagnosis Procedure .....	212	Diagnosis Procedure .....	235	
<b>B1068, B1073 ASSIST A/B MODULE .....</b>	<b>213</b>	<b>B1106, B1107, B1108, B1109, B1110, B1111</b>		
Description .....	213	<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>237</b>	SRC
DTC Logic .....	213	Description .....	237	
Diagnosis Procedure .....	214	DTC Logic .....	237	
<b>B1074, B1075, B1076, B1077, B1078, B1079</b>		Diagnosis Procedure .....	238	I
<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>215</b>	<b>B1113, B1114 SATELLITE SENS RH .....</b>	<b>239</b>	
Description .....	215	Description .....	239	
DTC Logic .....	215	DTC Logic .....	239	J
Diagnosis Procedure .....	216	Diagnosis Procedure .....	240	
<b>B1080, B1096 DRIVER AIRBAG MODULE ...</b>	<b>217</b>	<b>B1115, B1116 SATELLITE SENS RH .....</b>	<b>241</b>	
Description .....	217	Description .....	241	K
DTC Logic .....	217	DTC Logic .....	241	
Diagnosis Procedure .....	217	Diagnosis Procedure .....	242	
<b>B1081 PRE-TEN FRONT RH .....</b>	<b>219</b>	<b>B1118, B1119 SATELLITE SENS LH .....</b>	<b>243</b>	L
Description .....	219	Description .....	243	
DTC Logic .....	219	DTC Logic .....	243	M
Diagnosis Procedure .....	220	Diagnosis Procedure .....	244	
<b>B1082 PRE-TEN FRONT RH .....</b>	<b>221</b>	<b>B1120, B1121 SATELLITE SENS LH .....</b>	<b>245</b>	
Description .....	221	Description .....	245	N
DTC Logic .....	221	DTC Logic .....	245	
Diagnosis Procedure .....	222	Diagnosis Procedure .....	246	
<b>B1083 PRE-TEN FRONT RH .....</b>	<b>223</b>	<b>B1122, B1123, B1124, B1125, B1126, B1127</b>		O
Description .....	223	<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>247</b>	
DTC Logic .....	223	Description .....	247	
Diagnosis Procedure .....	224	DTC Logic .....	247	P
<b>B1084 PRE-TEN FRONT RH .....</b>	<b>225</b>	Diagnosis Procedure .....	248	
Description .....	225	<b>B1129 SIDE MODULE RH .....</b>	<b>249</b>	
DTC Logic .....	225	Description .....	249	
Diagnosis Procedure .....	226	DTC Logic .....	249	
<b>B1086 PRE-TEN FRONT LH .....</b>	<b>227</b>	Diagnosis Procedure .....	250	
Description .....	227			

<b>B1130 SIDE MODULE RH</b> .....	<b>251</b>	Description .....	275
Description .....	251	DTC Logic .....	275
DTC Logic .....	251	Diagnosis Procedure .....	276
Diagnosis Procedure .....	252		
<b>B1131 SIDE MODULE RH</b> .....	<b>253</b>	<b>B1150 CURTAIN MODULE LH</b> .....	<b>277</b>
Description .....	253	Description .....	277
DTC Logic .....	253	DTC Logic .....	277
Diagnosis Procedure .....	254	Diagnosis Procedure .....	278
<b>B1132 SIDE MODULE RH</b> .....	<b>255</b>	<b>B1151 CURTAIN MODULE LH</b> .....	<b>279</b>
Description .....	255	Description .....	279
DTC Logic .....	255	DTC Logic .....	279
Diagnosis Procedure .....	256	Diagnosis Procedure .....	280
<b>B1134 SIDE MODULE LH</b> .....	<b>257</b>	<b>B1152 CURTAIN MODULE LH</b> .....	<b>281</b>
Description .....	257	Description .....	281
DTC Logic .....	257	DTC Logic .....	281
Diagnosis Procedure .....	258	Diagnosis Procedure .....	282
<b>B1135 SIDE MODULE LH</b> .....	<b>259</b>	<b>B1153 CURTAIN MODULE LH</b> .....	<b>283</b>
Description .....	259	Description .....	283
DTC Logic .....	259	DTC Logic .....	283
Diagnosis Procedure .....	260	Diagnosis Procedure .....	284
<b>B1136 SIDE MODULE LH</b> .....	<b>261</b>	<b>B1154, B1155, B1156, B1157 DIAGNOSIS</b>	
Description .....	261	<b>SENSOR UNIT</b> .....	<b>285</b>
DTC Logic .....	261	Description .....	285
Diagnosis Procedure .....	262	DTC Logic .....	285
<b>B1137 SIDE MODULE LH</b> .....	<b>263</b>	Diagnosis Procedure .....	285
Description .....	263	<b>B1170, B1171, B1172, B1173 DIAGNOSIS</b>	
DTC Logic .....	263	<b>SENSOR UNIT</b> .....	<b>287</b>
Diagnosis Procedure .....	264	Description .....	287
<b>B1138, B1139, B1140, B1141, B1142, B1143</b>		DTC Logic .....	287
<b>DIAGNOSIS SENSOR UNIT</b> .....	<b>265</b>	Diagnosis Procedure .....	287
Description .....	265	<b>B1186, B1187, B1188, B1189 DIAGNOSIS</b>	
DTC Logic .....	265	<b>SENSOR UNIT</b> .....	<b>289</b>
Diagnosis Procedure .....	266	Description .....	289
<b>B1144 DIAGNOSIS SENSOR UNIT</b> .....	<b>267</b>	DTC Logic .....	289
Description .....	267	Diagnosis Procedure .....	289
DTC Logic .....	267	<b>B1202, B1203, B1204, B1205, B1206, B1207</b>	
Diagnosis Procedure .....	267	<b>DIAGNOSIS SENSOR UNIT</b> .....	<b>291</b>
<b>B1145 CURTAIN MODULE RH</b> .....	<b>269</b>	Description .....	291
Description .....	269	DTC Logic .....	291
DTC Logic .....	269	Diagnosis Procedure .....	292
Diagnosis Procedure .....	270	<b>B1209 FRONTAL COLLISION DETECTION</b> .....	<b>293</b>
<b>B1146 CURTAIN MODULE RH</b> .....	<b>271</b>	Description .....	293
Description .....	271	DTC Logic .....	293
DTC Logic .....	271	Diagnosis Procedure .....	293
Diagnosis Procedure .....	272	<b>B1210 SIDE COLLISION DETECTION</b> .....	<b>295</b>
<b>B1147 CURTAIN MODULE RH</b> .....	<b>273</b>	Description .....	295
Description .....	273	DTC Logic .....	295
DTC Logic .....	273	Diagnosis Procedure .....	295
Diagnosis Procedure .....	274	<b>B1211 ROLLOVER DETECTION</b> .....	<b>297</b>
<b>B1148 CURTAIN MODULE RH</b> .....	<b>275</b>	Description .....	297
		DTC Logic .....	297

Diagnosis Procedure .....	297	Wiring Diagram — SRS AIR BAG CONTROL SYSTEM — .....	312	A
<b>B1212, B1213, B1214 RH1 SAT-SENS .....</b>	<b>299</b>	<b>SYMPTOM DIAGNOSIS .....</b>	<b>329</b>	B
Description .....	299	<b>SRS AIR BAG WARNING LAMP DOES NOT TURN OFF .....</b>	<b>329</b>	B
DTC Logic .....	299	Diagnosis Procedure .....	329	C
Diagnosis Procedure .....	299	<b>SRS AIR BAG WARNING LAMP DOES NOT TURN ON .....</b>	<b>330</b>	D
<b>B1215, B1216, B1217 LH1 SAT-SENS .....</b>	<b>301</b>	Diagnosis Procedure .....	330	D
Description .....	301	<b>PRECAUTION .....</b>	<b>331</b>	E
DTC Logic .....	301	<b>PRECAUTIONS .....</b>	<b>331</b>	E
Diagnosis Procedure .....	301	Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" .....	331	F
<b>B1218, B1219 DIAGNOSIS SENSOR UNIT ...</b>	<b>303</b>	Service .....	331	F
Description .....	303			G
DTC Logic .....	303			
Diagnosis Procedure .....	303			
<b>ECU DIAGNOSIS .....</b>	<b>305</b>			
<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>305</b>			
DTC Index .....	305			

**SRC**

I  
J  
K  
L  
M  
N  
O  
P

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[FOR USA AND CANADA]

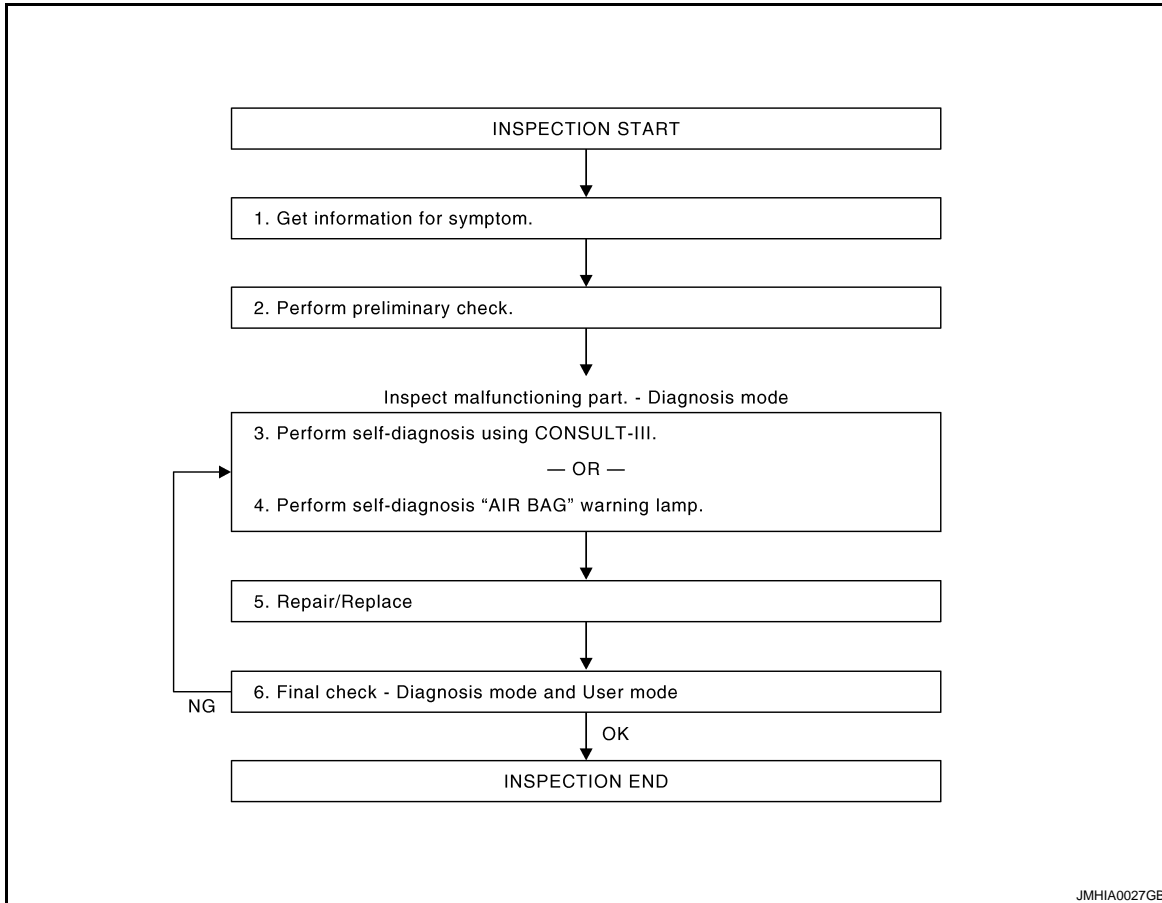
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000004785833

#### OVERALL SEQUENCE



#### DETAILED FLOW

##### 1.GET INFORMATION FOR SYMPTOM

Interview the customer about the symptom.

>> GO TO 2.

##### 2.PERFORM PRELIMINARY CHECK

At the beginning of inspection, confirm the condition of power supply circuit, check that the battery is charged and fuses and fusible links are not blown.

Is power supply circuit normal?

YES-1 >> GO TO 3. (With CONSULT-III)

YES-2 >> GO TO 4. (Without CONSULT-III)

NO >> Repair or replace the battery and fuse/fusible links.

##### 3.PERFORM SELF-DIAGNOSIS USING "CONSULT-III" (WITH CONSULT-III)

Perform "AIR BAG" Self Diagnostic Result.

Is "MALFUNCTIONING PART" displayed on CONSULT-III?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.



# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[FOR USA AND CANADA]

---

## 4.PERFORM SELF-DIAGNOSIS "AIR BAG" WARNING LAMP (WITHOUT CONSULT-III)

---

Check the air bag warning lamp status.

Is "MALFUNCTIONING PART" detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

---

## 5.REPAIR OR REPLACE

---

Repair or replace the malfunctioning part.

After the malfunction is repaired, erase the self-diagnostic result. Refer to [SRC-18. "Diagnosis Description"](#) or [SRC-20. "CONSULT-III Function"](#).

>> GO TO 6.

---

## 6.FINAL CHECK

---

Perform "AIR BAG" Self Diagnostic Result with CONSULT-III and /or, air bag warning lamp status.

Are all malfunctions corrected?

YES >> **INSPECTION END**

NO-1 >> GO TO 3. (With CONSULT-III)

NO-2 >> GO TO 4. (Without CONSULT-III)

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

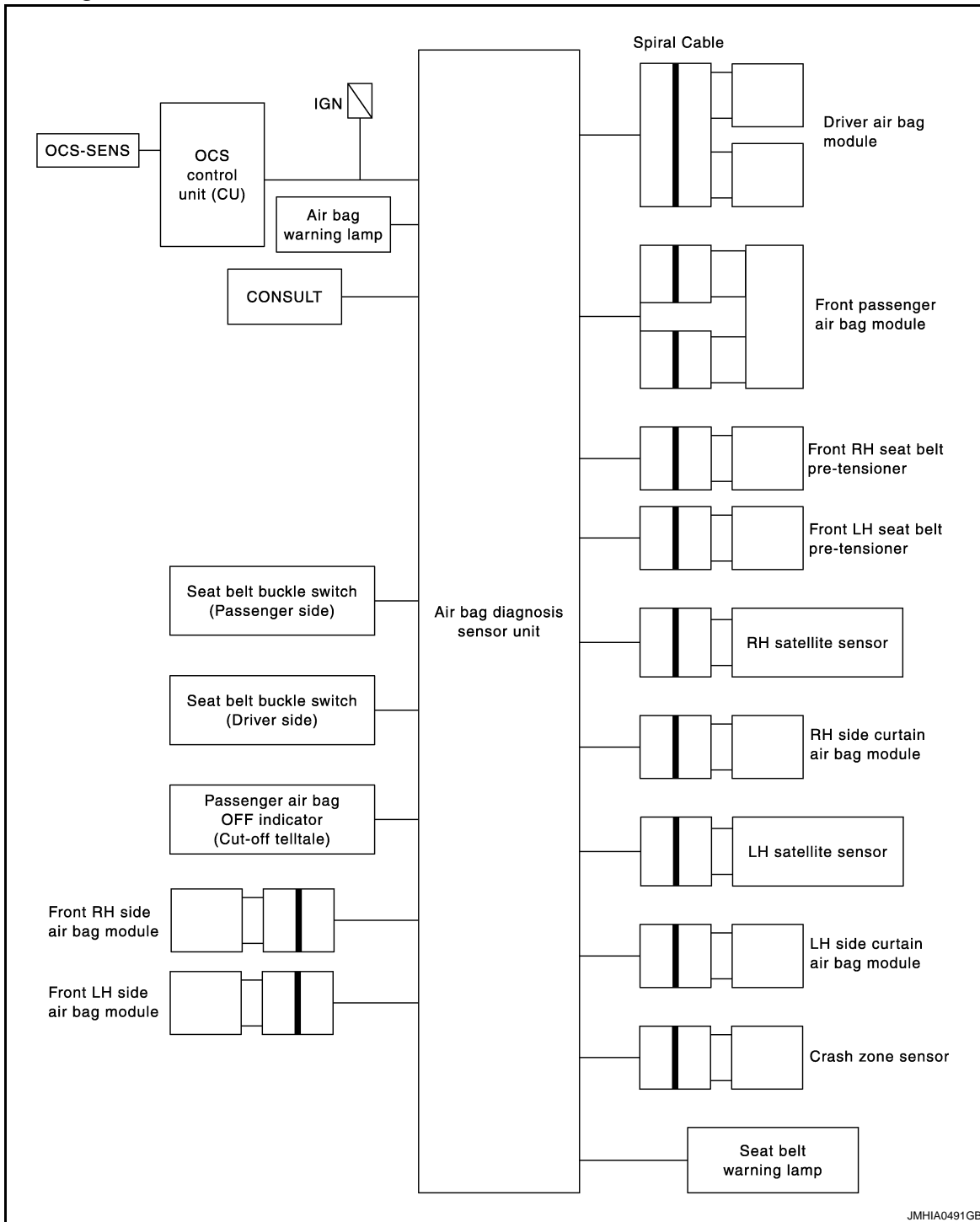
SRC

FUNCTION DIAGNOSIS

SRS AIR BAG SYSTEM

System Diagram

INFOID:000000003367320



JMHIA0491GB

System Description

INFOID:000000004749684

Supplemental Restraint System (SRS) activates air bag module and seat belt pre-tensioner when it detects a frontal collision or a side collision that is more than the specified limit. Together with other safety devices, it reduces the impact that occupant receives when vehicle collision occurs.

Air bag sensor unit supplies power supply to air bag module and pre-tensioner seat belt when deceleration that is more than the specified limit is detected by G sensor in air bag diagnosis sensor unit, crash zone sen-

# SRS AIR BAG SYSTEM

[FOR USA AND CANADA]

## < FUNCTION DIAGNOSIS >

sensor, or satellite sensor. Air bag module is composed of electric igniter (squib), filter, pyrotechnic material, and gas generating material. When air bag module receives a signal from air bag sensor unit, air bag module ignites pyrotechnic material using electric igniter (squib) so that gas generating material generates high temperature nitrogen gas. The gas through filter activates air bag and seat belt pre-tensioner.

### AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS

Air bag diagnosis sensor unit has the following functions.

- Detects a collision and supplies the energy for deploying air bag and seat belt pre-tensioner.
- Detects and records electrical malfunction in air bag system and seat belt pre-tensioner system, and blinking air bag warning lamp.
- Detects and records the deployment of air bag and seat belt pre-tensioner, and turns ON air bag warning lamp.
- Indicates malfunctioning portion via the number of blinks from the air bag warning lamp in the diagnosis mode.
- Indicates the malfunction record via CONSULT-III.
- Suppresses the deployment of passenger air bag when passenger seat is empty or occupied by child or child-seat.
- When passenger seat is occupied by child or child seat, turns ON passenger air bag OFF indicator.
- When judges that passenger seat is occupied by a adult or a child and passenger seat belt is not fastened, turns ON seat belt warning lamp. Further information for the seat belt warning system, refer to [SRC-16, "System Description"](#).

### COLLISION MODES

The operation of SRS is different depending on the collision modes applications. For example, the driver air bag module, passenger air bag module, and seat belt pre-tensioner are activated in a frontal collision but not in a side collision.

SRS configurations that are activated for the following collision modes.

×: Apply —: Not apply

Collision Mode	Driver air bag module	Front passenger air bag module	Front LH seat belt pre-tensioner	Front RH seat belt pre-tensioner	Front LH-side air bag module	Front RH side air bag module	LH side curtain air bag module	RH side curtain air bag module
Frontal collision	×	×	×	×	—	—	—	—
Left side collision	—	—	—	—	×	—	×	—
Right side collision	—	—	—	—	—	×	—	×

SRC

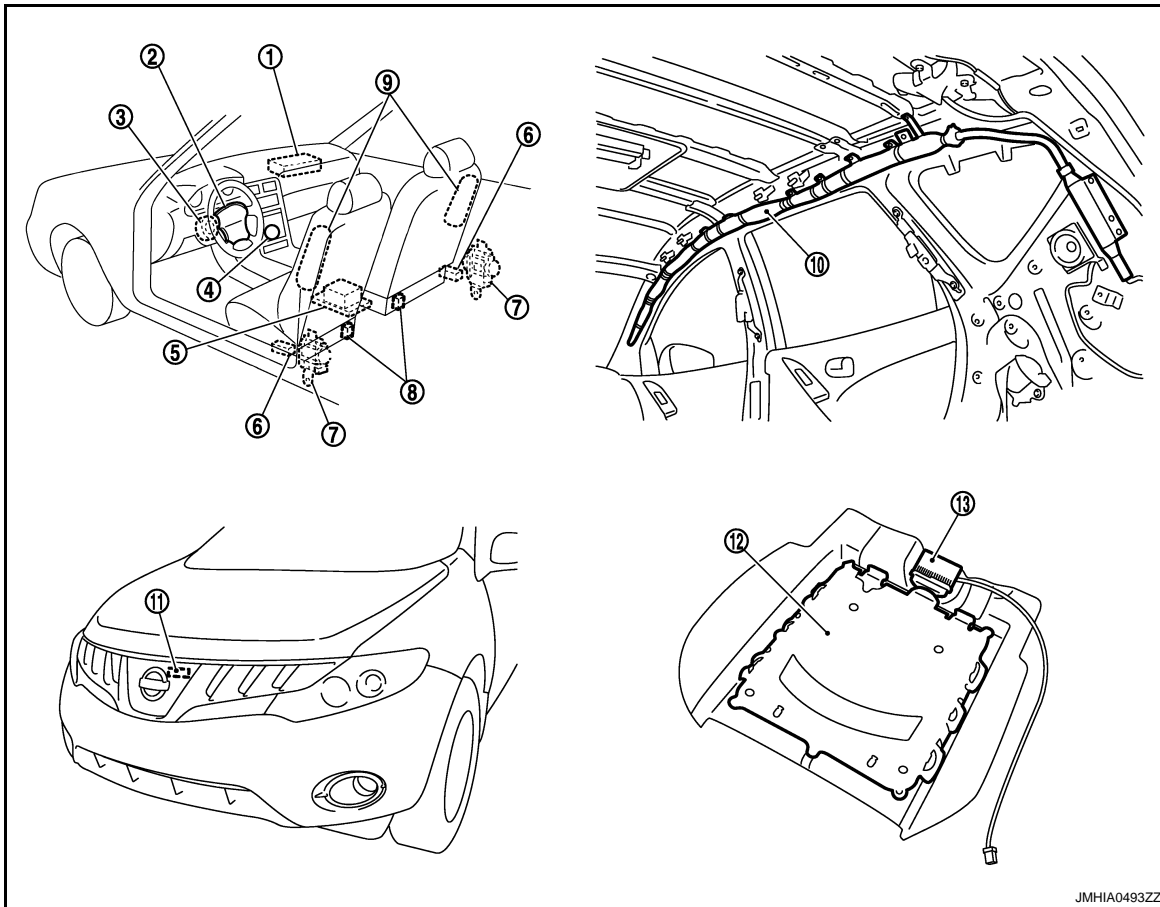
# SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

## Component Parts Location

INFOID:000000003367322



JMHIA0493ZZ

- |   |  |   |
|---|--|---|
| 1. Front passenger air bag module<br>M62 <sup>1</sup> , M63 <sup>2</sup> , M64 <sup>2</sup> | 2. Driver air bag module M350, M351 <sup>3</sup>   | 3. Combination switch (Spiral cable)<br>M32                   |
| 4. Front passenger air bag OFF indicator<br>M88   | 5. Air bag diagnosis sensor unit M59,<br>M73, M79  | 6. Satellite sensor (LH/RH)<br>• LH B37<br>• RH B211          |
| 7. Front seat belt pre-tensioner (LH/<br>RH)<br>• LH B36<br>• RH B213                       | 8. Seat belt buckle switch (Driver side/<br>Passenger side)<br>• Driver side B409, B449<br>• Passenger side B437 | 9. Front side air bag module (LH/RH)<br>• LH B16<br>• RH B212 |
| 10. Side curtain air bag module<br>• LH B72<br>• RH B56                                     | 11. Crash zone sensor E313   | 12. Occupant Classification System seat<br>sensor mat         |
| 13. Occupant Classification System control<br>unit B215                                     |  |   |

<sup>1</sup>: Up to VIN: JN8AZ18U\*9W100000, JN8AZ18W\*9W200000 (EXCEPT FOR MEXICO), JN8AZ18U\*9W710000, JN8AZ18W\*9W810000 (FOR MEXICO)

<sup>2</sup>: From VIN: JN8AZ18U\*9W100001, JN8AZ18W\*9W200001 (EXCEPT FOR MEXICO), JN8AZ18U\*9W710001, JN8AZ18W\*9W810001 (FOR MEXICO)

<sup>3</sup>: From VIN: JN8AZ18U\*9W100001, JN8AZ18W\*9W200001 (EXCEPT FOR MEXICO)

## Component Description

INFOID:000000004749685

# SRS AIR BAG SYSTEM

[FOR USA AND CANADA]

## < FUNCTION DIAGNOSIS >

Component	Function
Air bag diagnosis sensor unit	Detects a collision and supplies power supply for deployment to air bag module and pre-tensioner seat belt.
Air bag module <ul style="list-style-type: none"> <li>• Driver</li> <li>• Passenger</li> <li>• Side</li> <li>• Curtain</li> </ul>	Receives signal from air bag diagnosis sensor unit and deploys air bag.
Seat belt pre-tensioner	Receives signal from air bag diagnosis sensor unit and deploys seat belt pre-tensioner.
Seat belt buckle switch	Controls deployment timing based on seat belt fastened or unfastened condition.
Crash zone sensor	Transmits signal to air bag diagnosis sensor unit when a frontal collision occurs.
Satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.
Occupant Classification System control unit	Detects passenger seat occupant and judges whether or not passenger seat air bag is deployed.
Combination meter (air bag warning lamp)	Indicates air bag malfunctioning and deployment by blinking and illuminating air bag warning lamp.
Passenger air bag OFF indicator	Indicates whether or not passenger air bag is in the activation mode based on the judgement of Occupant Classification System.
Combination switch (spiral cable)	Supplies power supply to driver air bag module on steering wheel.

A  
B  
C  
D  
E  
F  
G  
  
I  
J  
K  
L  
M  
N  
O  
P

**SRC**

# OCCUPANT CLASSIFICATION SYSTEM

< FUNCTION DIAGNOSIS >

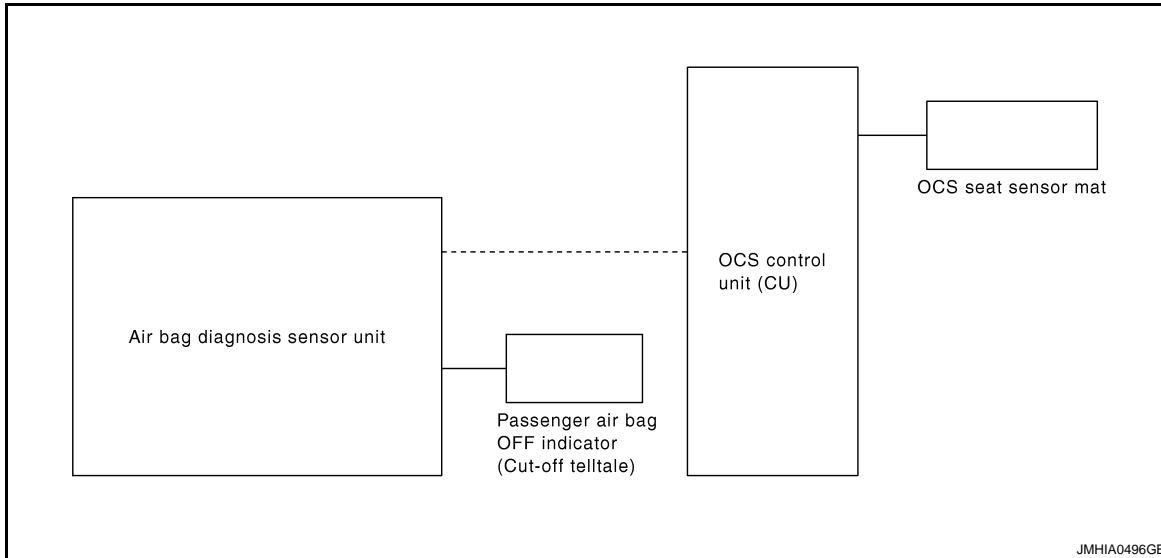
[FOR USA AND CANADA]

## OCCUPANT CLASSIFICATION SYSTEM

### System Diagram

INFOID:000000003367324

### OCCUPANT CLASSIFICATION SYSTEM



### System Description

INFOID:000000003367325

This Occupant Classification System (OCS) has the following function.

1. Suppress the deployment of passenger air bag when passenger seat is empty, or when occupied by child and child-seat. Turns on passenger air bag OFF indicator (Cut-off telltale) when passenger seat is occupied by child-seat and child.
2. Indicates malfunction portion with blinking times of air bag warning lamp in diagnosis mode.
3. Indicates the malfunctioning record by CONSULT-III.

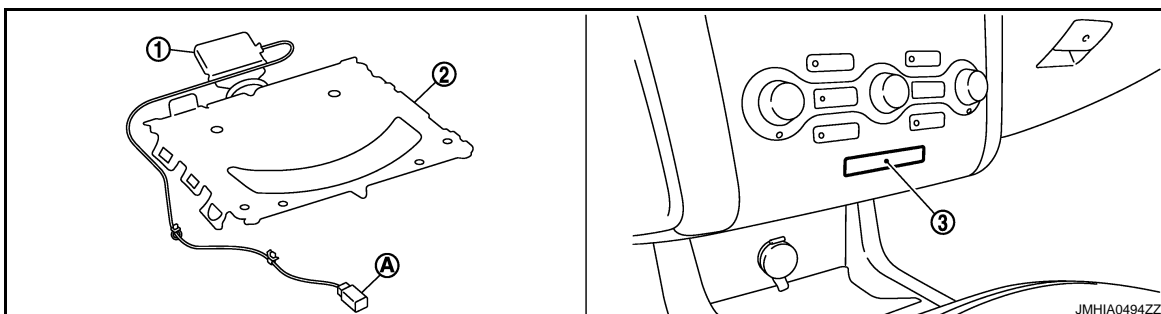
#### NOTE:

Operation of air bag diagnosis sensor unit when air bag diagnosis sensor unit receives information from Occupant Classification System (OCS)

Status (front passenger seat)	Passenger air bag	Passenger air bag OFF indicator (Cut-off telltale)	Air bag warning lamp	Seat belt warning lamp (when front passenger seat is unbuckled)
Empty	Suppress	Off	Off	Off
Child/ child-seat	Suppress	On	Off	On
Adult	Enable to deploy	Off	Off	On
Malfunction	Suppress	On	Blinking	Off

### Component Parts Location

INFOID:000000003367326



# OCCUPANT CLASSIFICATION SYSTEM

< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

1. Occupant classification system control unit B212
  2. Occupant classification system seat sensor mat
  3. Front passenger air bag OFF indicator M88
- A. Occupant classification system control unit harness connector

## Component Description

INFOID:000000003367327

Component parts	Outline of function
Occupant classification system seat sensor mat	Detects if the passenger seat is empty or occupied
Occupant classification system control unit	Transmits the passenger seat status (occupied or empty) to air bag diagnosis sensor unit
Passenger air bag OFF indicator	Turns the passenger air bag OFF indicator lamp ON when the passenger seat is occupied by a child or a child-seat

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# PASSENGER SEAT BELT WARNING SYSTEM

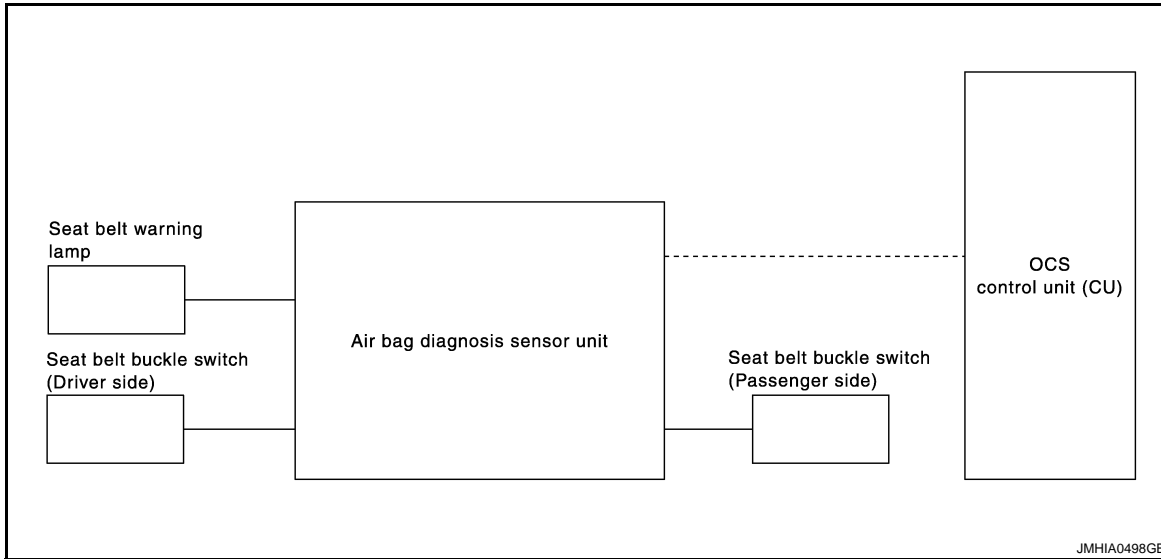
< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

## PASSENGER SEAT BELT WARNING SYSTEM

### System Diagram

INFOID:000000003367328



### System Description

INFOID:000000003367329

This Passenger Seat Belt Warning System has the following function.

Turns ON seat belt warning lamp, when the Occupant Classification System (OCS) judges adult or child in the passenger seat and the passenger seat belt buckle switch is not on.

**NOTE:**

In addition, a seat belt warning lamp illuminates and a seat belt alarm sounds, when the driver seat belt buckle switch is not on, This does not relate to the air bag sensor. (Refer to BCM.)

**NOTE:**

Operation of air bag diagnosis sensor unit when air bag diagnosis sensor unit receives information from Occupant Classification System (OCS)

Status (front passenger seat)	Passenger air bag	Passenger air bag OFF indicator (Cut-off tell-tale)	Air bag warning lamp	Seat belt warning lamp (When front passenger seat is unbuckled)
Empty	Suppress	Off	Off	Off
Child/ child-seat	Suppress	On	Off	On
Adult	Enable to deploy	Off	Off	On
Malfunction	Suppress	On	Blinking	Off



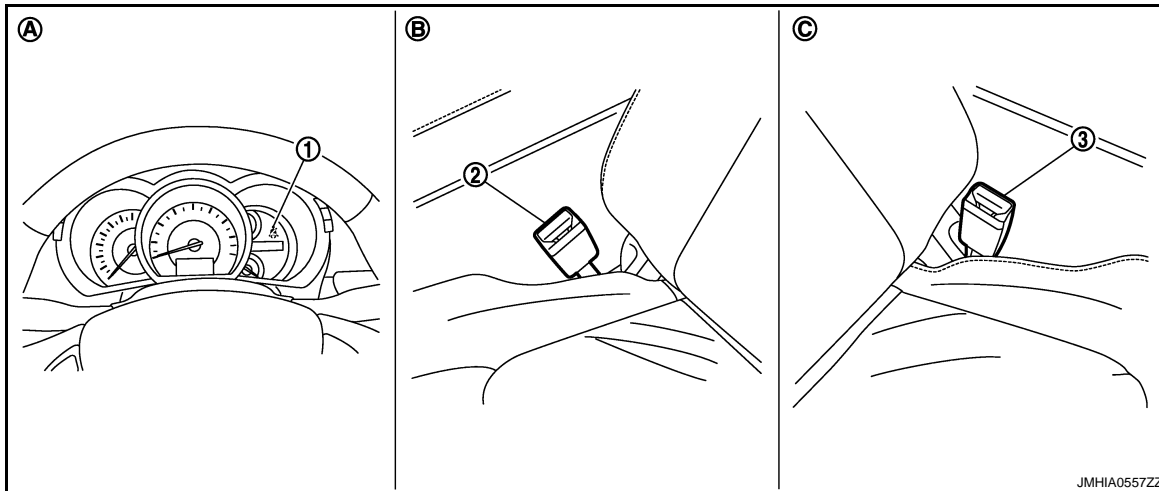
# PASSENGER SEAT BELT WARNING SYSTEM

< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

## Component Parts Location

INFOID:000000003367330



- |   |   |  |
|---|---|--|
| 1. Combination meter (Seat belt warning lamp) M34 | 2. Seat belt buckle switch (Driver side) B409, B449 | 3. Seat belt buckle switch (Passenger side) B437 |
| A. Combination meter panel                        | B. Driver side                                      | C. Passenger side                                |

## Component Description

INFOID:000000003367331

SRC

Component parts	Outline of function
Seat belt buckle switch (Driver side)	Detects if the driver seat belt is fastened or unfastened <b>NOTE:</b> Lighting of a seat belt warning lamp and a seat belt alarm are outputted when the seat belt buckle switch (driver side) is not put on, but it does not relate to an air bag diagnosis sensor unit
Seat belt buckle switch (Passenger side)	Detects if the seat belt buckle switch (passenger side) is fastened or unfastened
Combination meter (Seat belt warning lamp)	Turns the seat belt warning lamp ON when the passenger seat belt is unfastened

## DIAGNOSIS SYSTEM (AIRBAG)

### Diagnosis Description

INFOID:000000003367332

**CAUTION:**

- Do not use electrical test equipment on any circuit related to the SRS unless instructed in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.
- Do not repair, splice or modify the SRS wiring harness. If the harness is damaged, replace it with a new one.
- Keep ground portion clean.

### DIAGNOSIS FUNCTION

- The SRS self-diagnosis results can be read by using air bag warning lamp and/or CONSULT-III.
- The user mode is exclusively prepared for the customer (driver). This mode warns the driver of a system malfunction through the operation of the air bag warning lamp.
- The diagnosis mode allows the technician to locate and inspect the malfunctioning part.
- The mode applications for the air bag warning lamp and CONSULT-III are as follows.

	User mode	Diagnosis mode	Display type
Air bag warning lamp	X	X	ON-OFF operation
CONSULT-III	–	X	Monitoring

### HOW TO PERFORM TROUBLE DIAGNOSIS FOR QUICK AND ACCURATE REPAIR

A good understanding of the malfunction conditions can make troubleshooting faster and more accurate. In general, each customer feels differently about a malfunction. It is important to fully understand the symptoms or conditions for a customer complaint.

Information from Customer.

- WHAT..... Vehicle model.
- WHEN..... Date, Frequencies.
- WHERE..... Road conditions.
- HOW..... Operating conditions, Symptoms.

Preliminary Check.

Check that the following parts are in good order.

- Battery (Refer to [PG-3, "How to Handle Battery"](#)).
- Fuse (Refer to [PG-79, "Fuse"](#) ).
- System component-to-harness connections.

### HOW TO ERASE SELF-DIAGNOSTIC RESULTS (With CONSULT-III)

- “SELF-DIAG [CURRENT]”  
A current self-diagnosis result is displayed on CONSULT-III screen in real time. After the malfunction is repaired completely, no malfunction is detected on “SELF-DIAG [CURRENT]”.
- “SELF-DIAG [PAST]”  
Return to “SELF-DIAG [CURRENT]” CONSULT-III screen by touching “BACK” key of CONSULT-III and select “SELF-DIAG [CURRENT]” in SELECT DIAG MODE. Touch “ERASE” in “SELF-DIAG [CURRENT]” mode.

**NOTE:**

- If the memory of the malfunction in “SELF-DIAG [PAST]” is not erased, the user mode shows the system malfunction by the operation of the warning lamp even if the malfunction is repaired completely.
- “TROUBLE DIAG RECORD”  
The memory of “TROUBLE DIAG RECORD” cannot be erased.

### HOW TO ERASE SELF-DIAGNOSTIC RESULTS (Without CONSULT-III)

After a malfunction is repaired, turn the ignition switch OFF for at least one second, then turn ignition switch ON diagnosis mode returns to the user mode. At that time the self-diagnosis result is cleared.

# DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

## DIAGNOSTIC PROCEDURE (User mode)

Checking air bag operation according to air bag warning lamp-User mode

1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.
2. Compare the air bag warning lamp blinking pattern with the examples.



Warning lamp examples (User mode)

Air bag warning lamp operation -User mode	SRS condition	Reference item
	<ul style="list-style-type: none"> <li>• No malfunction is detected</li> <li>• No further action is necessary</li> </ul>	<p>—</p>
	<ul style="list-style-type: none"> <li>• The system is malfunctioning and needs to be repaired as indicated</li> </ul>	<p>Go to <a href="#">SRC-20, "CONSULT-III Function"</a></p>

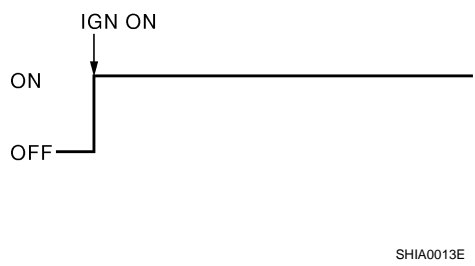
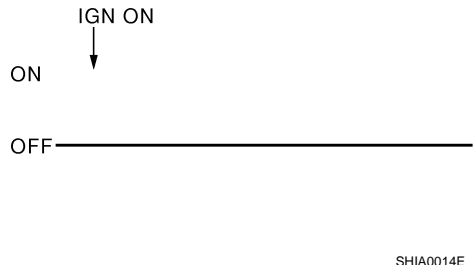
A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

Air bag warning lamp operation -User mode	SRS condition	Reference item
 <p>SHIA0013E</p>	<ul style="list-style-type: none"> <li>Air bag is deployed</li> <li>Seat belt pre-tensioner is deployed</li> </ul>	Go to <a href="#">SRC-130, "Diagnosis Procedure"</a> or <a href="#">SRC-132, "Diagnosis Procedure"</a>
 <p>SHIA0014E</p>	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is malfunctioning</li> <li>Air bag power supply circuit is malfunctioning</li> <li>Air bag warning lamp circuit is malfunctioning</li> </ul>	Go to <a href="#">SRC-167, "Diagnosis Procedure"</a>

## DIAGNOSTIC PROCEDURE (With CONSULT-III)

Diagnostic Mode	Description
SELF-DIAG RESULT	The self-diagnosis result is displayed (SELF-DIAG [CURRENT], [PAST], [RECORD])
DISCRIMINATED No.	The part number of diagnosis sensor unit is displayed

## CONSULT-III Function

INFOID:000000003367333

### DIAGNOSIS MODE FOR CONSULT-III

- “SELF-DIAG [CURRENT]”  
A current self-diagnosis results (also indicated with the number of air bag warning lamp blinks in diagnosis mode) are displayed on CONSULT-III screen in real time. This refers to a malfunctioning part requiring repairs.
- “SELF-DIAG [PAST]”  
Diagnosis results previously stored in the memory are displayed on CONSULT-III screen. The stored results are not erased until memory erasing is executed.
- “TROUBLE DIAG RECORD”  
With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT-III screen.
- “DISCRIMINATED NO.”  
The air bag diagnosis sensor unit for each vehicle model has its own individual classification number. This number will be displayed on CONSULT-III screen, as shown. When replacing the air bag diagnosis sensor unit, refer to the part number for the compatibility. After installation, replacement with a correct unit can be checked by confirming this classification number on CONSULT-III screen.  
After repair, check that the discriminated number of air bag diagnosis sensor unit installed to vehicle are the same. Refer to [SR-19, "Removal and Installation"](#).

### ⓐ HOW TO CHANGE SELF-DIAGNOSIS MODE WITH CONSULT-III

#### From User Mode to Diagnosis Mode

After selecting “AIR BAG” on the “SELECT SYSTEM” screen, User mode automatically changes to Diagnosis mode.

# DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

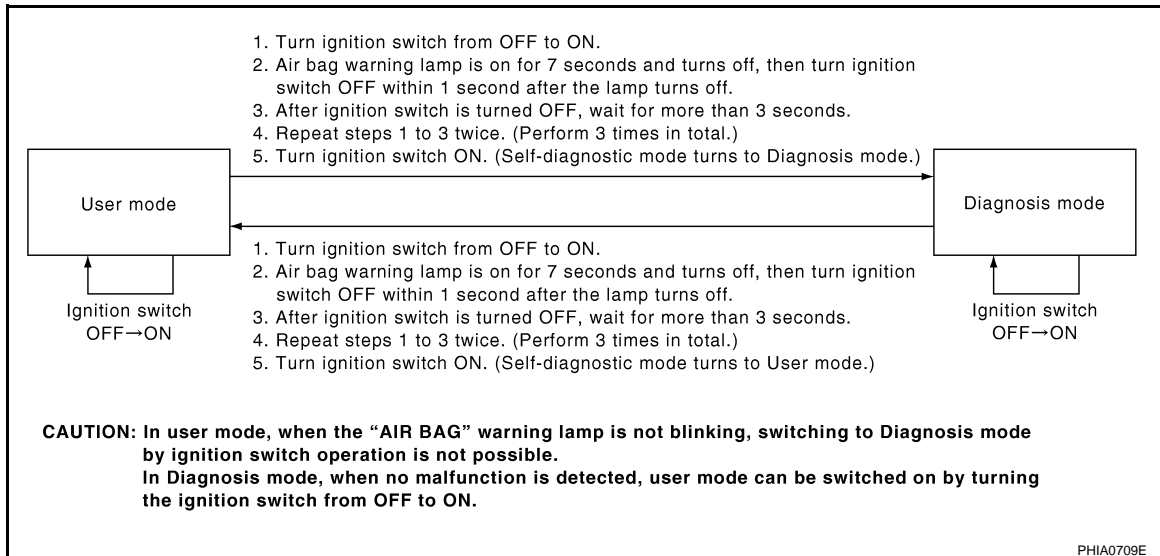
## From Diagnosis Mode to User Mode

To return to User mode from Diagnosis mode, touch "BACK" key of CONSULT-III until "SELECT SYSTEM" appears, then diagnosis mode automatically changes to User mode.

## SELF-DIAGNOSIS FUNCTION (Without CONSULT-III)

- The reading of these results is accomplished by "User mode" and "Diagnosis mode".
- After a malfunction is repaired, turn ignition switch ON. Diagnosis mode returns to the user mode. At that time, the self-diagnosis result is cleared.

## HOW TO CHANGE SELF-DIAGNOSIS MODE WITHOUT CONSULT-III



A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## COMPONENT DIAGNOSIS

### B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

#### Description

INFOID:000000003367334

#### DTC B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

#### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

#### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

#### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

#### DTC Logic

INFOID:000000003367335

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1001 B1002 B1003 B1004 B1005	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-23. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

# B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

Turn ignition switch ON.

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-142](#).  
NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367336

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367337

#### DTC B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367338

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1006 B1007 B1008 B1009 B1010	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-25, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.



# B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-142](#).  
NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367339

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367340

#### DTC B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367341

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1011 B1012 B1013 B1014 B1015	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-27, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

# B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-142](#).  
NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367342

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1017, B1020, B1021 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1017, B1020, B1021 OCCUPANT SENS C/U

### Description

INFOID:000000003367343

#### DTC B1017, B1020, B1021 [UNIT FAIL] OCCUPANT SENS C/U

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the air bag warning lamp report the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

### OPERATION

This unit classifies occupant in passenger seat and detects electrical malfunctions in Occupant Classification System (OCS), and transmits malfunction information to air bag control unit.

### STRUCTURE

It is integrated into the seat sensor mat and detects the occupants with Occupant Classification System (OCS) control unit that classifies the occupants.

### INSTALLATION

Occupant Classification System (OCS) control unit is installed in the passenger seat cushion.

### DTC Logic

INFOID:000000003367344

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1017 B1020 B1021	OCCUPANT SENS C/U [UNIT FAIL]	Trouble occurs in OCS-C/U	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Internal breakdown in occupant classification system (C/U)</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-29, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1017, B1020, B1021 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-142](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367345

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK OCCUPANT CLASSIFICATION SYSTEM (C/U)

1. Replace occupant classification system (C/U). (front passenger side seat cushion assembly.)
2. Check the screen of CONSULT-III.

is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40. "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1018 OCCUPANT SENS

### Description

INFOID:000000003367346

#### DTC B1018 [UNIT FAIL] OCCUPANT SENS

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the air bag warning lamp reports the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

### OPERATION

The unit classifies occupant in passenger seat and transmits it to Occupant Classification System (OCS) control unit.

### STRUCTURE

Plural sensors are installed in the sensor mat to prevent incorrect sensing induced by the sitting position.

### INSTALLATION

Seat sensor mat is installed in the passenger seat cushion.

### DTC Logic

INFOID:000000003367347

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1018	OCCUPANT SENS [UNIT FAIL]	Trouble occurs in OCS-SENS	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Internal breakdown in occupant classification system sensor</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-31. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1018 OCCUPANT SENS

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367348

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connectors.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK OCCUPANT CLASSIFICATION SYSTEM SENSOR

1. Replace occupant classification system sensor. (front passenger side seat cushion assembly.)
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1022 OCCUPANT SENS C/U

### Description

INFOID:000000003367349

#### DTC B1022 [COMM FAIL] OCCUPANT SENS C/U

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the air bag warning lamp reports the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

### OPERATION

This unit classifies occupant in passenger seat and detects electrical malfunction in Occupant Classification System (OCS) and transmits malfunction information to air bag control unit.

### STRUCTURE

It is integrated into the seat sensor mat and detects the occupants and Occupant Classification System (OCS) control unit that classifies the occupants.

### INSTALLATION

Occupant Classification System (OCS) control unit is installed in the passenger seat cushion.

### DTC Logic

INFOID:000000003367350

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1022	OCCUPANT SENS C/U [COMM FAIL]	Trouble occurs in OCS-C/U, circuit of OCS-C/U-ACU or ACU	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness</li> <li>• Internal breakdown in occupant classification system control unit</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-33, "Diagnosis Procedure"](#).  
 NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.



>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-142](#).
- NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367351

With CONSULT-III

#### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

### DIAGNOSTIC PROCEDURE

## 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connectors.

## 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

## 3.CHECK OCCUPANT CLASSIFICATION SYSTEM (C/U)

1. Replace occupant classification system (C/U). (front passenger side seat cushion assembly.)
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-40. "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1023 PASS A/B INDCTR CKT

### Description

INFOID:000000003367352

#### DTC B1023 PASS A/B INDCTR CKT

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the air bag warning lamp reports the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

### OPERATION

Turns on front passenger air bag OFF indicator (Cut-off telltale) when the passenger seat is empty or occupied by child-seat and child.

### STRUCTURE

Front passenger air bag OFF indicator (Cut-off telltale) with LED illumination.

### INSTALLATION

Front passenger air bag OFF indicator (Cut-off telltale) is installed at the instrument panel center.

### DTC Logic

INFOID:000000003367353

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1023	PASS A/B INDCTR CKT [UNIT FAIL]	Cut-off telltale circuit is open or shorted to ground or the circuits are shorted each other	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Internal breakdown in front passenger air bag cut-off indicator unit</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-35, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

# B1023 PASS A/B INDCTR CKT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367354

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

### 3.CHECK PASSENGER AIR BAG OFF INDICATOR

1. Replace front passenger air bag OFF indicator (Cut-off telltale).
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1025, B1032, B1048 OCS SENSOR

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1025, B1032, B1048 OCS SENSOR

### Description

INFOID:000000004185365

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or occupied with a child and child-seat. Also illuminates front passenger air bag OFF indicator lamp when the condition of passenger seat is occupied with a child-seat and child. In case of malfunction the blinking of the air bag warning lamp reports the malfunction to driver, and by the on board self-diagnosis system or CONSULT-III can detect the cause.

### OPERATION

This unit classifies occupant in passenger seat and detects electrical malfunction in Occupant Detection System and transmits malfunction information to air bag control unit.

### STRUCTURE

It is integrated into the seat sensor mat and detects the occupants and Occupant Detection System control unit that classifies the occupants.

### INSTALLATION

Occupant Detection System control unit is installed in the passenger seat cushion.

### DTC Logic

INFOID:000000004185366

### DTC DETECTION LOGIC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1025 B1032 B1048	OCS SENSOR	Malfunction occurs in Occupant Detection System control unit, circuit of Occupant Detection System control unit-Air bag diagnosis sensor unit or Air bag diagnosis sensor unit	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Internal breakdown in Occupant Detection System control unit</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result CONSULT-III.

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-18. "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-36. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185367

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

# B1025, B1032, B1048 OCS SENSOR

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

---

## 3.CHECK OCCUPANT DETECTION SYSTEM CONTROL UNIT

---

1. Replace seat cushion frame. Refer to [SE-99, "Exploded View"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-36, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

---

## 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-19, "Exploded View"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-36, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367355

#### DTC B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) to ensure proper operation.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367356

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1026 B1027 B1028 B1029 B1030 B1031	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-39, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-142](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367357

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40. "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC

**B1033, B1034 CRASH ZONE SEN****Description**

INFOID:000000003367358

**DTC B1033, B1034 [UNIT FAIL] CRASH ZONE SENSOR**

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

**OPERATION**

When air bag diagnosis sensor unit define the both signal voltage of the "G" sensor and the safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

**STRUCTURE**

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

**INSTALLATION**

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

**DTC Logic**

INFOID:000000003367359

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1033 B1034	CRASH ZONE SEN- SOR [UNIT FAIL]	Crash zone sensor is out of order	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness</li> <li>• Internal breakdown in crash zone sensor</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)****1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-41, "Diagnosis Procedure"](#).  
 NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)****NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.



# B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP-

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367360

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connectors.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK CRASH ZONE SENSOR

1. Replace crash zone sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1035, B1036, B1038, B1040 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1035, B1036, B1038, B1040 CRASH ZONE SEN

### Description

INFOID:000000003367361

#### DTC B1035, B1036, B1038, B1040 [COMM FAIL] CRASH ZONE SENSOR

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

### OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

### STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

### INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

### DTC Logic

INFOID:000000003367362

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1035	CRASH ZONE SENSOR [COMM FAIL]	Crash zone sensor is out of order.	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and open/short</li><li>• Internal breakdown in crash zone sensor</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>
B1036	[UNMATCH]		
B1038	[OPEN/UPR-VB-SHORT]		
B1040	[SHORT/UPR-GND-SHORT]		

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-43. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

# B1035, B1036, B1038, B1040 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-142](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367363

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK CRASH ZONE SENSOR

1. Replace crash zone sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40. "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1037, B1039, B1041 CRASH ZONE SENS1

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1037, B1039, B1041 CRASH ZONE SENS1

### Description

INFOID:000000004185368

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

### OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which exceeds a specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belts.

### STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

### INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

### DTC Logic

INFOID:000000004185369

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1037 B1039 B1041	CRASH ZONE SENSOR1	Crash zone sensor is malfunctioning	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in crash zone sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-18. "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-44. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185370

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Replace wiring harness.

# B1037, B1039, B1041 CRASH ZONE SENS1

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

---

## 3. REPLACE CRASH ZONE SENSOR

---

1. Replace crash zone sensor. Refer to [SR-15, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-44, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.  
NO >> INSPECTION END

---

## 4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-19, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-44, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367364

#### DTC B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

It contains the "G" sensors for both for frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367365

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1042 B1043 B1044 B1045 B1046 B1047	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-47, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-142](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367366

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40. "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1049, B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1049, B1054 DRIVER AIRBAG MODULE

### Description

INFOID:000000003367367

### DTC B1049, B1054 [OPEN] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

### DTC Logic

INFOID:000000003367368

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open (including the spiral cable)	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and open</li><li>• Internal breakdown in driver air bag module</li><li>• Internal breakdown in spiral cable</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-49. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.



# B1049, B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-142](#).  
NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367369

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

### 3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10	M32	28	Existed
	11		30	
M351	12		29	
	9		30	

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal		Continuity
M350	10	Ground	Not existed
	11		
M351	12		
	9		

Is the inspection result normal?

- YES >> GO TO 4.  
NO >> Replace spiral cable. Refer to [SR-8, "Removal and Installation"](#).

### 4.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

## B1049, B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

---

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

# B1050, B1055 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1050, B1055 DRIVER AIRBAG MODULE

### Description

INFOID:000000003367370

### DTC B1050, B1055 [VB-SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

### DTC Logic

INFOID:000000003367371

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to some power supply circuit (including the spiral cable)	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in driver air bag module</li><li>• Internal breakdown in spiral cable</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-52. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1050, B1055 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-142](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367372

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed
M351	12 9		29 30	

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal		Continuity
M350	10 11	Ground	Not existed
M351	12 9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-8, "Removal and Installation"](#).

### 4.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

# B1050, B1055 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

A

B

C

D

E

F

G

**SRC**

I

J

K

L

M

N

O

P

# B1051, B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1051, B1056 DRIVER AIRBAG MODULE

### Description

INFOID:000000003367373

### DTC B1051, B1056 [GND-SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

### DTC Logic

INFOID:000000003367374

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in driver air bag module</li><li>• Internal breakdown in spiral cable</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-55. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1051, B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-142](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367375

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed
M351	12 9		29 30	

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal		Continuity
M350	10 11	Ground	Not existed
M351	12 9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-8, "Removal and Installation"](#).

### 4.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

## B1051, B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

---

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.



# B1052, B1057 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1052, B1057 DRIVER AIRBAG MODULE

### Description

INFOID:000000003367376

### DTC B1052, B1057 [SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

### DTC Logic

INFOID:000000003367377

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in driver air bag module</li><li>• Internal breakdown in spiral cable</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-58. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1052, B1057 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2. CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-142](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367378

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3. CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed
M351	12 9		29 30	

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal		Continuity
M350	10 11	Ground	Not existed
M351	12 9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-8, "Removal and Installation"](#).

### 4. CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

# B1052, B1057 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

A

B

C

D

E

F

G

**SRC**

I

J

K

L

M

N

O

P

# B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367379

#### DTC B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367380

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1058 B1059 B1060 B1061 B1062 B1063	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-61, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-142](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367381

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40. "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1065, B1070 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1065, B1070 ASSIST A/B MODULE

### Description

INFOID:000000003367382

#### DTC B 1065, B1070 [OPEN] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

### DTC Logic

INFOID:000000003367383

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1065 B1070	ASSIST A/B MODULE [OPEN]	Front passenger air bag module circuit is open	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and open</li><li>• Internal breakdown in front passenger air bag module</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-63, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1065, B1070 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367384

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

**B1066, B1071 ASSIST A/B MODULE****Description**

INFOID:000000003367385

**DTC B1066, B1071 [VB-SHORT] ASSIST A/B MODULE**

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

**OPERATION**

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

**STRUCTURE**

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

**INSTALLATION**

Front passenger air bag module is installed on the instrument panel with fixed bolts.

**DTC Logic**

INFOID:000000003367386

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Front passenger air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front passenger air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)****1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-65, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)****NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.



# B1066, B1071 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367387

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1067, B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1067, B1072 ASSIST A/B MODULE

### Description

INFOID:000000003367388

#### DTC B1067, B1072 [GND-SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

### DTC Logic

INFOID:000000003367389

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Front passenger air bag module circuit is shorted to ground	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in front passenger air bag module</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-67, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1067, B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367390

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1068, B1073 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1068, B1073 ASSIST A/B MODULE

### Description

INFOID:000000003367391

#### DTC B1068, B1073 [SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

### DTC Logic

INFOID:000000003367392

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1068 B1073	ASSIST A/B MODULE [SHORT]	Front passenger air bag module circuits are shorted to each other	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in front passenger air bag module</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-69, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1068, B1073 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367393

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367394

#### DTC B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367395

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1074 B1075 B1076 B1077 B1078 B1079	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-71, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-142](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367396

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40. "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1080, B1096 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1080, B1096 DRIVER AIRBAG MODULE

### Description

INFOID:000000004185371

For driver air bag module, crash is judged by main "G" sensor output signal and safing algorithm in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Driver air bag module mainly consists of air bag and inflator that inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

### DTC Logic

INFOID:000000004185372

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Malfunction in driver air bag module</li><li>• Malfunction in spiral cable</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-18, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-72, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185373

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.



# B1080, B1096 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

## 3. CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver air bag module harness connector and Combination switch (Spiral cable) harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M302	10	M35	28	Existed
	11		30	
M301	12		29	
	9		30	

4. Check continuity between driver air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal		Continuity
M302	10	Ground	Not existed
	11		
M301	12		
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-8, "Exploded View"](#).

## 4. REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-5, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-72, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

## 5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-19, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-72, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

**B1081 PRE-TEN FRONT RH****Description**

INFOID:000000003367397

**DTC B1081 [OPEN] PRE-TEN FRONT RH**

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

**OPERATION**

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

**STRUCTURE**

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

**INSTALLATION**

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

**DTC Logic**

INFOID:000000003367398

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1081	PRE-TEN FRONT RH [OPEN]	Front RH seat belt pre-tensioner circuit is open	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and open</li> <li>• Internal breakdown in front RH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)****1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-75. "Diagnosis Procedure"](#).  
 NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)****NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-142](#).
- NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367399

With CONSULT-III

**WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

#### 3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

**B1082 PRE-TEN FRONT RH****Description**

INFOID:000000003367400

**DTC B1082 [VB-SHORT] PRE-TEN FRONT RH**

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

**OPERATION**

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

**STRUCTURE**

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

**INSTALLATION**

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

**DTC Logic**

INFOID:000000003367401

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1082	PRE-TEN FRONT RH [VB-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front RH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)****1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-77. "Diagnosis Procedure"](#).  
 NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)****NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).
- NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367402

With CONSULT-III

**WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

#### 3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
SRC  
I  
J  
K  
L  
M  
N  
O  
P

**B1083 PRE-TEN FRONT RH****Description**

INFOID:000000003367403

**DTC B1083 [GND-SHORT] PRE-TEN FRONT RH**

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

**OPERATION**

In case of frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

**STRUCTURE**

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

**INSTALLATION**

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

**DTC Logic**

INFOID:000000003367404

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1083	PRE-TEN FRONT RH [GND-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to ground	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front RH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)****1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-79. "Diagnosis Procedure"](#).  
 NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)****NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000003367405

With CONSULT-III

**WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

**B1084 PRE-TEN FRONT RH****Description**

INFOID:000000003367406

**DTC B1084 [SHORT] PRE-TEN FRONT RH**

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

**OPERATION**

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

**STRUCTURE**

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

**INSTALLATION**

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

**DTC Logic**

INFOID:000000003367407

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1084	PRE-TEN FRONT RH [SHORT]	Front RH seat belt pre-tensioner circuit are shorted to each other	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front RH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)****1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-81. "Diagnosis Procedure"](#).  
 NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)****NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.



< COMPONENT DIAGNOSIS >

>> GO TO 2.

**2.CHECK AIR BAG WARNING LAMP**

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000003367408

With CONSULT-III

**WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

**1.CHECK HARNESS CONNECTOR**

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

**2.CHECK WIRING HARNESS**

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

**3.CHECK FRONT SEAT BELT PRE-TENSIONER**

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1086 PRE-TEN FRONT LH

### Description

INFOID:000000003367409

#### DTC B1086 [OPEN] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367410

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1086	PRE-TEN FRONT LH [OPEN]	Front LH seat belt pre-tensioner circuit is open	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and open</li> <li>• Internal breakdown in front LH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-83. "Diagnosis Procedure"](#).  
 NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000003367411

With CONSULT-III

**WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1087 PRE-TEN FRONT LH

### Description

INFOID:000000003367412

#### DTC B1087 [VB-SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367413

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1087	PRE-TEN FRONT LH [VB-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front LH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-85. "Diagnosis Procedure"](#).  
 NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000003367414

With CONSULT-III

**WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1088 PRE-TEN FRONT LH

### Description

INFOID:000000003367415

#### DTC B1088 [GND-SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367416

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1088	PRE-TEN FRONT LH [GND-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to ground	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front LH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-87. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000003367417

With CONSULT-III

**WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1089 PRE-TEN FRONT LH

### Description

INFOID:000000003367418

#### DTC B1089 [SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367419

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1089	PRE-TEN FRONT LH [SHORT]	Front LH seat belt pre-tensioner circuit are shorted to each other	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front LH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-89. "Diagnosis Procedure"](#).  
 NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.



< COMPONENT DIAGNOSIS >

>> GO TO 2.

**2.CHECK AIR BAG WARNING LAMP**

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000003367420

With CONSULT-III

**WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

**1.CHECK HARNESS CONNECTOR**

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

**2.CHECK WIRING HARNESS**

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

**3.CHECK FRONT SEAT BELT PRE-TENSIONER**

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000004185374

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000004185375

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1090 B1091 B1092 B1093	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match the vehicles specification</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-18, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-90, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185376

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

# B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

## 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-19, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-90, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367421

#### DTC B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367422

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1106 B1107 B1108 B1109 B1110 B1111	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-93, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-142](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367423

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40. "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1113, B1114 SATELLITE SENS RH

### Description

INFOID:000000003367424

#### DTC B1113, B1114 [UNIT FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

### OPERATION

When air bag diagnosis sensor unit define the both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the side air bag and curtain air bag.

### STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

### INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367425

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	RH satellite sensor is out of order	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Internal breakdown in RH satellite sensor</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-95, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367426

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SATELLITE SENSOR

1. Replace RH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1115, B1116 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1115, B1116 SATELLITE SENS RH

### Description

INFOID:000000003367427

#### DTC B1115, B1116 [COMM FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

### OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

### STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

### INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367428

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1115 B1116	SATELLITE SENS RH [COMM FAIL] [UNMATCH]	RH satellite sensor is out of order	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Internal breakdown in RH satellite sensor</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-97, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.



# B1115, B1116 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367429

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SATELLITE SENSOR

1. Replace RH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1118, B1119 SATELLITE SENS LH

### Description

INFOID:000000003367430

#### DTC B1118, B1119 [UNIT FAIL] SATELLITE SENS LH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

### OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

### STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

### INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367431

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	LH satellite sensor is out of order	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness</li> <li>• Internal breakdown in LH satellite sensor</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-99, "Diagnosis Procedure"](#).  
 NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1118, B1119 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367432

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SATELLITE SENSOR

1. Replace LH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

**B1120, B1121 SATELLITE SENS LH**

**Description**

INFOID:000000003367433

**DTC B1120, B1121 [COMM FAIL] SATELLITE SENS LH**

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

**OPERATION**

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

**STRUCTURE**

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

**INSTALLATION**

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

**DTC Logic**

INFOID:000000003367434

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1120 B1121	SATELLITE SENS LH [COMM FAIL] [UNMATCH]	LH satellite sensor is out of order	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness</li> <li>• Internal breakdown in LH satellite sensor</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)**

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-101, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

# B1120, B1121 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367435

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SATELLITE SENSOR

1. Replace LH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367463

#### DTC B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367464

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1138 B1139 B1140 B1141 B1142 B1143	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-103, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-142](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367465

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40. "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1144 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1144 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000004185379

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000004185380

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1144	Diagnosis sensor unit	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match the vehicle specification</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-18, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-104, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185381

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.



# B1144 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

## 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-19, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-104, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1145 CURTAIN MODULE RH

### Description

INFOID:000000003367466

#### DTC B1145 [OPEN] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367467

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1145	CURTAIN MODULE RH [OPEN]	RH side curtain air bag module circuit is open	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and open</li><li>• Internal breakdown in RH side curtain air bag module</li><li>• Replace air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-107, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1145 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367468

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

## 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

## 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

## 3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1146 CURTAIN MODULE RH

### Description

INFOID:000000003367469

#### DTC B1146 [VB-SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367470

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1146	CURTAIN MODULE RH [VB-SHORT]	RH side curtain air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in RH side curtain air bag module</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-109. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1146 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367471

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1147 CURTAIN MODULE RH

### Description

INFOID:000000003367472

#### DTC B1147 [GND-SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367473

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1147	CURTAIN MODULE RH [GND-SHORT]	RH side curtain air bag module circuit is shorted to ground	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in RH side curtain air bag module</li> <li>• Replace air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-111, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1147 CURTAIN MODULE RH

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367474

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1148 CURTAIN MODULE RH

### Description

INFOID:000000003367475

#### DTC B1148 [SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367476

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1148	CURTAIN MODULE RH [SHORT]	RH side curtain air bag module circuit are shorted to each other	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in RH side curtain air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-113. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.



# B1148 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367477

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

## 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

## 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

## 3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1150 CURTAIN MODULE LH

### Description

INFOID:000000003367478

#### DTC B1150 [OPEN] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

#### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

#### STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

#### INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367479

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1150	CURTAIN MODULE LH [OPEN]	LH side curtain air bag module circuit is open	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and open</li><li>• Internal breakdown in LH side curtain air bag module</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-115. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367480

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1151 CURTAIN MODULE LH

### Description

INFOID:000000003367481

#### DTC B1151 [VB-SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367482

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1151	CURTAIN MODULE LH [VB-SHORT]	LH side curtain air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in LH side curtain air bag module</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-117, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1151 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367483

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## B1152 CURTAIN MODULE LH

### Description

INFOID:000000003367484

#### DTC B1152 [GND-SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367485

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1152	CURTAIN MODULE LH [GND-SHORT]	LH side curtain air bag module circuit is shorted to ground	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in LH side curtain airbag module</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-119. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1152 CURTAIN MODULE LH

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367486

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

**B1153 CURTAIN MODULE LH****Description**

INFOID:000000003367487

**DTC B1153 [SHORT] CURTAIN MODULE LH**

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

**OPERATION**

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

**STRUCTURE**

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

**INSTALLATION**

LH side curtain air bag module is installed on the roof side with fixed bolts.

**DTC Logic**

INFOID:000000003367488

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1153	CURTAIN MODULE LH [SHORT]	LH side curtain air bag module circuit are shorted to each other	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in LH side curtain air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)****1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-121, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)****NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.



# B1153 CURTAIN MODULE LH

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-142](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367489

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1154, B1155, B1156, B1157 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1154, B1155, B1156, B1157 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000004185382

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000004185383

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1154 B1155 B1156 B1157	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match the vehicles specification</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-18, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-122, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185384

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

# B1154, B1155, B1156, B1157 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

## 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-19, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-122, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

# B1170, B1171, B1172, B1173 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1170, B1171, B1172, B1173 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000004185385

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000004185386

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1170 B1171 B1172 B1173	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match the vehicles specification</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-18, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-124, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185387

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

# B1170, B1171, B1172, B1173 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

## 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-19, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-124, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1186, B1187, B1188, B1189 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1186, B1187, B1188, B1189 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000004185388

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000004185389

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1186 B1187 B1188 B1189	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match the vehicles specification</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-18, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-126, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185390

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

# B1186, B1187, B1188, B1189 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

## 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-19, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-126, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

# B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367517

#### DTC B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367518

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1202 B1203 B1204 B1205 B1206 B1207	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-129, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.



# B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-142](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367519

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40. "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1209 FRONTAL COLLISION DETECTION

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1209 FRONTAL COLLISION DETECTION

### Description

INFOID:000000003367520

#### DTC B1209 FRONTAL COLLISION DETECTION

When detect a component damage resulting from a front collision, blinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

#### OPERATION

The air bags and seat belt pre-tensioners for driver and front passenger are operated by the decision of the air bag diagnosis sensor unit out signal transmitted because of the frontal collision.

#### STRUCTURE

It consists of crash zone sensor, air bag diagnosis sensor unit, air bags and seat belt pre-tensioners for driver and front passenger.

#### INSTALLATION

Refer to [SR-15. "Removal and Installation"](#), [SR-19. "Removal and Installation"](#), [SR-21. "Removal and Installation"](#), [SR-5. "Removal and Installation"](#), [SR-11. "Removal and Installation"](#).

### DTC Logic

INFOID:000000003367521

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1209	FRONTAL COLLISION DETECTION	Front seat belt pre-tensioner, front air bag is deployed	—

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-130. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367522

With CONSULT-III

#### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

#### DIAGNOSTIC PROCEDURE

##### 1.CHECK FRONT AIR BAG MODULE

Check front air bag modules. (driver air bag module and/or front passenger air bag module.)

# B1209 FRONTAL COLLISION DETECTION

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

Is the front air bag module deployed?

YES >> Replace front air bag modules. Refer to [SR-5, "Removal and Installation"](#) or [SR-11, "Removal and Installation"](#).

NO >> GO TO 2.

## 2.CHECK FRONT SEAT BELT PRE-TENSIONER

Check front seat belt pre-tensioner.

Is the front seat belt pre-tensioner activated?

YES >> Replace front seat belt pre-tensioner. Refer to [SR-21, "Removal and Installation"](#).

NO >> GO TO 3.

## 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Check air bag diagnosis sensor unit.

Is the front air bag module and/or front seat belt pre-tensioner activated?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-19, "Removal and Installation"](#).

NO >> GO TO 4.

## 4.CHECK STEERING WHEEL

Check steering wheel.

Is the steering wheel normal?

YES >> GO TO 5.

NO >> Replace steering wheel.

## 5.CHECK SPIRAL CABLE

1. Check the continuity of spiral cable. Refer to [SRC-49, "Diagnosis Procedure"](#).

2. Operate the steering wheel to check excessive heavy operation force, abnormal noise or damage.

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace spiral cable. Refer to [SR-8, "Removal and Installation"](#).

## 6.CHECK WIRING HARNESS/HARNESS CONNECTOR

Check wiring harness/harness connector.

Is the wiring harness/harness connector normal?

YES >> GO TO 7.

NO >> Repair or replace wiring harness/harness connector.

## 7.FINAL CHECK

Check the screen of CONSULT-III and/or Air bag warning lamp status.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1210 SIDE COLLISION DETECTION

### Description

INFOID:000000003367523

#### DTC B1210 SIDE COLLISION DETECTION

When detect a component damage resulting from a side collision, brinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

#### OPERATION

The front side air bag and side curtain air bag are operated by the decision of the air bag diagnosis sensor unit signal of the side collision.

#### STRUCTURE

It consists of satellite sensor, air bag diagnosis sensor unit, front side air bag and side curtain air bag.

#### INSTALLATION

Refer to [SR-17. "Removal and Installation"](#), [SR-19. "Removal and Installation"](#), [SR-13. "Removal and Installation"](#).

### DTC Logic

INFOID:000000003367524

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1210	SIDE COLLISION DETECTION	Front side air bag, side curtain air bag is deployed	—

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-132. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367525

With CONSULT-III

#### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor)**
- **Do not use unspecified tester or other measuring device.**

#### DIAGNOSTIC PROCEDURE

##### 1.CHECK FRONT SIDE AIR BAG MODULE

Check front side air bag module.

Is the front side air bag module deployed?

YES >> Replace front side air bag module.

# B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> GO TO 2.

## 2.CHECK SIDE CURTAIN AIR BAG MODULE

Check side curtain air bag module.

Is the side curtain air bag module deployed?

YES >> Replace side curtain air bag module. Refer to [SR-13, "Removal and Installation"](#).

NO >> GO TO 3.

## 3.CHECK SATELLITE SENSOR

Check satellite sensor.

Is the front side air bag module and/or side curtain air bag module deployed?

YES >> Replace satellite sensor. Refer to [SR-17, "Removal and Installation"](#).

NO >> GO TO 4.

## 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Check air bag diagnosis sensor unit.

Is the front side air bag module and/or side curtain air bag module deployed?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-19, "Removal and Installation"](#).

NO >> GO TO 5.

## 5.FINAL CHECK

Check the screen of CONSULT-III and/or Air bag warning lamp status.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1211 ROLLOVER DETECTION

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1211 ROLLOVER DETECTION

### Description

INFOID:000000003470197

#### DTC B1211 ROLLOVER DETECTION

When detect a component damage resulting from a rollover, brinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

#### OPERATION

The front seat belt pre-tensioner and side curtain air bag are operated by the decision of the air bag diagnosis sensor unit signal of the rollover.

#### STRUCTURE

It consists of front seat belt pre-tensioner, side curtain air bag and air bag diagnosis sensor unit.

#### INSTALLATION

Refer to [SR-21. "Removal and Installation"](#), [SR-13. "Removal and Installation"](#) and [SR-19. "Removal and Installation"](#).

### DTC Logic

INFOID:000000003470198

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1211	ROLLOVER DETECTION	Front seat belt pre-tensioner. side curtain air bag module are deployed because of rollover detection	—

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-134. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003470199

With CONSULT-III

#### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor)**
- **Do not use unspecified tester or other measuring device.**

#### DIAGNOSTIC PROCEDURE

##### 1.CHECK FRONT SEAT BELT PRE-TENSIONER

Check front seat belt pre-tensioner.

Is the front seat belt pre-tensioner deployed?

# B1211 ROLLOVER DETECTION

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

YES >> Replace front seat belt pre-tensioner. Refer to [SR-21, "Removal and Installation"](#).  
NO >> GO TO 2.

A

## 2.CHECK SIDE CURTAIN AIR BAG MODULE

Check side curtain air bag module.

Is the side curtain air bag module deployed?

B

YES >> Replace side curtain air bag module. Refer to [SR-13, "Removal and Installation"](#).  
NO >> GO TO 3.

C

## 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Check air bag diagnosis sensor unit.

Is the front seat belt pre-tensioner and/or side curtain air bag module deployed?

D

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-19, "Removal and Installation"](#).  
NO >> GO TO 4.

E

## 4.FINAL CHECK

Check the screen of CONSULT-III and/or Air bag warning lamp status.

Is the inspection result normal?

F

YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

G

SRC

I

J

K

L

M

N

O

P

# B1212, B1213, B1214 RH1 SAT-SENS

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1212, B1213, B1214 RH1 SAT-SENS

### Description

INFOID:000000004185391

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

### OPERATION

When air bag diagnosis sensor unit judges both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

### STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

### INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000004185392

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1212 B1213 B1214	RH1 SAT-SENS	RH satellite sensor is malfunctioning	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in RH satellite sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-18. "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-136. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185393

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Replace wiring harness.



# B1212, B1213, B1214 RH1 SAT-SENS

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

---

## 3. REPLACE SATELLITE SENSOR

---

1. Replace RH satellite sensor. Refer to [SR-17, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-136, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.  
NO >> INSPECTION END

---

## 4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-19, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-136, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1215, B1216, B1217 LH1 SAT-SENS

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1215, B1216, B1217 LH1 SAT-SENS

### Description

INFOID:000000004185394

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

### OPERATION

When air bag diagnosis sensor unit judges both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

### STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

### INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000004185395

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1215 B1216 B1217	LH1 SAT-SENS	LH satellite sensor is malfunctioning	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in LH satellite sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-18. "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-138. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185396

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Replace wiring harness.

# B1215, B1216, B1217 LH1 SAT-SENS

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## 3. REPLACE SATELLITE SENSOR

1. Replace LH satellite sensor. Refer to [SR-17, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-138, "DTC Logic"](#)

Is DTC detected?

- YES >> GO TO 4.
- NO >> INSPECTION END

## 4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-19, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-138, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1218, B1219 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

## B1218, B1219 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000004185867

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000004185868

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1218 B1219	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match the vehicle specification</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-18, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-140, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185869

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

# B1218, B1219 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

## 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-19, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-140, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

## ECU DIAGNOSIS

### DIAGNOSIS SENSOR UNIT

#### DTC Index

INFOID:000000003367526

DTC No. Index (With CONSULT-III)

("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

**NOTE:**

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
NO DTC IS DETECTED.	Malfunction is indicated by the "AIR BAG" warning lamp in User mode. <ul style="list-style-type: none"> <li>Low battery voltage (Less than 9 V)</li> <li>Self-diagnosis result "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair.</li> <li>Intermittent malfunction has been detected in the past.</li> </ul>	Go to <a href="#">SRC-18, "Diagnosis Description"</a> .
	<ul style="list-style-type: none"> <li>No malfunction is detected.</li> </ul>	—
CONTROL UNIT [B1001-B1015]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit
OCCUPANT SENS C/U [UNIT FAIL] [B1017] [B1020] [B1021]	<ul style="list-style-type: none"> <li>Trouble occurs in OCS-C/U</li> </ul>	1. Repair or replace wiring harness/harness connector 2. Replace front passenger seat cushion and occupant classification system (C/U) as an assembly
OCCUPANT SENS [UNIT FAIL] [B1018]	<ul style="list-style-type: none"> <li>Trouble occurs in OCS-SENSOR</li> </ul>	1. Repair or replace wiring harness/harness connector 2. Replace front passenger seat cushion and occupant classification system (C/U) as an assembly
OCCUPANT SENS C/U [COMM FAIL] [B1022]	<ul style="list-style-type: none"> <li>Trouble occurs in OCS-C/U, circuit of OCS-C/U~Air bag diagnosis sensor unit, or Air bag diagnosis sensor unit</li> </ul>	1. Repair or replace wiring harness/harness connector 2. Replace front passenger seat cushion and occupant classification system (C/U) as an assembly 3. Replace air bag diagnosis sensor unit
PASS A/B INDCTR CKT [B1023]	<ul style="list-style-type: none"> <li>Cut-off telltale circuit is open or shorted to ground or the circuits are shorted each other</li> </ul>	1. Repair or replace wiring harness/harness connector 2. Replace front passenger air bag OFF indicator 3. Replace air bag diagnosis sensor unit
OCS SENSOR [B1025] [B1032] [B1048]	Malfunction occurs in Occupant Detection System control unit, circuit of Occupant Detection System control unit air bag diagnosis sensor unit, or air bag diagnosis sensor unit	1. Repair or replace wiring harness/harness connector 2. Replace front passenger seat cushion and occupant classification system (C/U) as an assembly 3. Replace air bag diagnosis sensor unit
CONTROL UNIT [B1026-B1031]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	A
CRASH ZONE SEN [UNIT FAIL] [B1033] [B1034] CRASH ZONE SEN [COMM FAIL] [B1035] [UNMATCH] [B1036]  [OPEN/UPR-VB- SHORT] [B1038]  [SHORT/UPR-GND- SHORT] [B1040]	<ul style="list-style-type: none"> <li>Crash zone sensor is out of order</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace crash zone sensor</li> <li>Replace air bag diagnosis sensor unit</li> </ol>	B C D E
CRASH ZONE SEN1 [B1037] [B1039] [B1041]	Crash zone sensor is malfunctioning	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace crash zone sensor</li> <li>Replace air bag diagnosis sensor unit</li> </ol>	F G
CONTROL UNIT [B1042-B1047]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit	SRC
DRIVER AIRBAG MOD- ULE [OPEN] [B1049] [B1054]	<ul style="list-style-type: none"> <li>Driver air bag module circuit is open (including the spiral cable)</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace driver air bag module</li> <li>Replace spiral cable. Refer to <a href="#">SRC-49. "Diagnosis Procedure"</a></li> <li>Replace air bag diagnosis sensor unit</li> </ol>	I
DRIVER AIRBAG MOD- ULE [VB-SHORT] [B1050] [B1055]	<ul style="list-style-type: none"> <li>Driver air bag module circuit is shorted to some power supply circuit (including the spiral cable)</li> </ul>	<ol style="list-style-type: none"> <li>Replace air bag diagnosis sensor unit</li> </ol>	J
DRIVER AIRBAG MOD- ULE [GND-SHORT] [B1051] [B1056]	<ul style="list-style-type: none"> <li>Driver air bag module circuit is shorted to ground (including the spiral cable)</li> </ul>		K
DRIVER AIRBAG MOD- ULE [SHORT] [B1052] [B1057]	<ul style="list-style-type: none"> <li>Driver air bag module circuits are shorted to each other (including spiral cable)</li> </ul>		L
CONTROL UNIT [B1058-B1063]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit	M
ASSIST A/B MODULE [OPEN] [B1065] [B1070]	<ul style="list-style-type: none"> <li>Front passenger air bag module circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace front passenger air bag module</li> <li>Replace air bag diagnosis sensor unit</li> </ol>	N
ASSIST A/B MODULE [VB-SHORT] [B1066] [B1071]	<ul style="list-style-type: none"> <li>Front passenger air bag module circuit is shorted to some power supply circuit</li> </ul>		O
ASSIST A/B MODULE [GND-SHORT] [B1067] [B1072]	<ul style="list-style-type: none"> <li>Front passenger air bag module circuit is shorted to ground</li> </ul>		P
ASSIST A/B MODULE [SHORT] [B1068] [B1073]	<ul style="list-style-type: none"> <li>Front passenger air bag module circuits are shorted to each other</li> </ul>		

## DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
CONTROL UNIT [B1074-B1079]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit
DRIVER AIRBAG MODULE [SHORT] [B1080] [B1096]	Driver air bag module circuits are shorted to each other (including spiral cable)	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace driver air bag module</li> <li>Replace spiral cable. Refer to <a href="#">SRC-72, "Diagnosis Procedure"</a></li> <li>Replace air bag diagnosis sensor unit</li> </ol>
PRE-TEN FRONT RH [OPEN] [B1081]	<ul style="list-style-type: none"> <li>Front RH seat belt pre-tensioner circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace front RH seat belt pre-tensioner</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
PRE-TEN FRONT RH [VB-SHORT] [B1082]	<ul style="list-style-type: none"> <li>Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit</li> </ul>	
PRE-TEN FRONT RH [GND-SHORT] [B1083]	<ul style="list-style-type: none"> <li>Front RH seat belt pre-tensioner circuit is shorted to ground</li> </ul>	
PRE-TEN FRONT RH [SHORT] [B1084]	<ul style="list-style-type: none"> <li>Front RH seat belt pre-tensioner circuits are shorted to each other</li> </ul>	
PRE-TEN FRONT LH [OPEN] [B1086]	<ul style="list-style-type: none"> <li>Front LH seat belt pre-tensioner circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace front LH seat belt pre-tensioner</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
PRE-TEN FRONT LH [VB-SHORT] [B1087]	<ul style="list-style-type: none"> <li>Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit</li> </ul>	
PRE-TEN FRONT LH [GND-SHORT] [B1088]	<ul style="list-style-type: none"> <li>Front LH seat belt pre-tensioner circuit is shorted to ground</li> </ul>	
PRE-TEN FRONT LH [SHORT] [B1089]	<ul style="list-style-type: none"> <li>Front LH seat belt pre-tensioner circuits are shorted to each other</li> </ul>	
CONTROL UNIT [B1090-B1093]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit
CONTROL UNIT [B1106-B1111]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit
SATELLITE SENS RH [UNIT FAIL] [B1113] [B1114] SATELLITE SENS RH [COMM FAIL] [B1115] [UNMATCH] [B1116]	<ul style="list-style-type: none"> <li>RH satellite sensor is out of order</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace RH satellite sensor</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
SATELLITE SENS LH [UNIT FAIL] [B1118] [B1119] SATELLITE SENS LH [COMM FAIL] [B1120] [UNMATCH] [B1121]	<ul style="list-style-type: none"> <li>LH satellite sensor unit is out of order</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace LH satellite sensor</li> <li>Replace air bag diagnosis sensor unit</li> </ol>



# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	
CONTROL UNIT [B1122-B1127]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit	A
SIDE MODULE RH [OPEN] [B1129]	<ul style="list-style-type: none"> <li>Front RH side air bag module circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/ harness connector</li> <li>Replace front RH side air bag module</li> <li>Replace air bag diagnosis sensor unit</li> </ol>	B
SIDE MODULE RH [VB-SHORT] [B1130]	<ul style="list-style-type: none"> <li>Front RH side air bag module circuit is shorted to some power supply circuit</li> </ul>		C
SIDE MODULE RH [GND-SHORT] [B1131]	<ul style="list-style-type: none"> <li>Front RH side air bag module circuit is shorted to ground</li> </ul>		D
SIDE MODULE RH [SHORT] [B1132]	<ul style="list-style-type: none"> <li>Front RH side air bag module circuits are shorted to each other</li> </ul>		E
SIDE MODULE LH [OPEN] [B1134]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/ harness connector</li> <li>Replace front LH side air bag module</li> <li>Replace air bag diagnosis sensor unit</li> </ol>	F
SIDE MODULE LH [VB-SHORT] [B1135]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuit is shorted to some power supply circuit</li> </ul>		G
SIDE MODULE LH [GND-SHORT] [B1136]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuit is shorted to ground</li> </ul>		H
SIDE MODULE LH [SHORT] [B1137]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuits are shorted to each other</li> </ul>		I
CONTROL UNIT [B1138-B1143]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit	J
CONTROL UNIT [B1144]	Air bag diagnosis sensor unit is malfunctioning or out of the speci- fied specification	Replace air bag diagnosis sensor unit	K
CURTAIN MODULE RH [OPEN] [B1145]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/ harness connector</li> <li>Replace RH side curtain air bag module</li> <li>Replace air bag diagnosis sensor unit</li> </ol>	L
CURTAIN MODULE RH [VB-SHORT] [B1146]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is shorted to some power supply circuit</li> </ul>		M
CURTAIN MODULE RH [GND-SHORT] [B1147]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is shorted to ground</li> </ul>		N
CURTAIN MODULE RH [SHORT] [B1148]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuits are shorted to each other</li> </ul>		O
			P

SRC

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
CURTAIN MODULE LH [OPEN] [B1150]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace LH side curtain air bag module</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
CURTAIN MODULE LH [VB-SHORT] [B1151]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuit is shorted to some power supply circuits</li> </ul>	
CURTAIN MODULE LH [GND-SHORT] [B1152]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuit is shorted to ground</li> </ul>	
CURTAIN MODULE LH [SHORT] [B1153]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuits are shorted to each other</li> </ul>	
CONTROL UNIT [B1154-B1157]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit
CONTROL UNIT [B1170-B1173]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit
CONTROL UNIT [B1186-B1189]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit
CONTROL UNIT [B1202-B1207]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit
FRONTAL COLLISION DETECTION [B1209]	<ul style="list-style-type: none"> <li>Front seat belt pre-tensioner and front air bag module is deployed</li> </ul>	Go to <a href="#">SRC-130, "Diagnosis Procedure"</a>
SIDE COLLISION DE- TECTION [B1210]	<ul style="list-style-type: none"> <li>Front side air bag module and side curtain air bag module is deployed</li> </ul>	Go to <a href="#">SRC-132, "Diagnosis Procedure"</a>
ROLLOVER DETECTION [B1211]	<ul style="list-style-type: none"> <li>Front seat belt pre-tensioner, side curtain air bag module are deployed because of rollover detection</li> </ul>	Go to <a href="#">SRC-134, "Diagnosis Procedure"</a>
RH1 SAT-SENS [B1212] [B1213] [B1214]	RH satellite sensor is malfunctioning	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace RH satellite sensor</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
LH1 SAT-SENS [B1215] [B1216] [B1217]	LH satellite sensor is malfunctioning	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace LH satellite sensor</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
CONTROL UNIT [B1218] [B1219]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit

## WARNING LAMP FLASH CODE CHART (Without CONSULT-III)

### NOTE:

# DIAGNOSIS SENSOR UNIT

[FOR USA AND CANADA]

## < ECU DIAGNOSIS >

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

<Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past.>

Flash pattern	Repair order
<p>a through b are repeated.</p> <p>IGN ON</p> <p>ON</p> <p>OFF</p> <p>7 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>2 sec.</p>	<p>1. Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)</p>

PHIA0532E

<Air bag diagnosis sensor unit>

Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: Seven flashes indicate malfunctioning air bag diagnosis sensor unit circuit.</p> <p>ON</p> <p>OFF</p> <p>7 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>2 sec.</p> <p>0.5 sec.</p> <p>2 sec.</p> <p>7 flashes</p>	<p>1. Replace the air bag diagnosis sensor unit.</p>

JMHIA0523GB

<Occupant classification system control unit>

Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: Five flashes indicate malfunctioning occupant classification system control unit.</p> <p>ON</p> <p>OFF</p> <p>7 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>2 sec.</p> <p>0.5 sec.</p> <p>2 sec.</p> <p>5 flashes</p>	<p>1. Visually check the wiring harness connection.</p> <p>2. Replace the harness if it has visible damage.</p> <p>3. Replace front passenger seat cushion and occupant classification system control unit as an assembly.</p> <p>4. Replace the air bag diagnosis sensor unit.</p>

JMHIA0524GB

<Front passenger air bag OFF indicator>

Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: Eleven flashes indicate malfunctioning front passenger air bag OFF indicator.</p> <p>ON</p> <p>OFF</p> <p>7 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>2 sec.</p> <p>0.5 sec.</p> <p>2 sec.</p> <p>11 flashes</p>	<p>1. Visually check the wiring harness connection.</p> <p>2. Replace the harness if it has visible damage.</p> <p>3. Replace front passenger air bag OFF indicator.</p> <p>4. Replace the air bag diagnosis sensor unit.</p>

JMHIA0525GB

<Crash zone sensor>

Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: Six flashes indicate malfunctioning crash zone sensor circuit.</p> <p>ON</p> <p>OFF</p> <p>7 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>2 sec.</p> <p>0.5 sec.</p> <p>2 sec.</p> <p>6 flashes</p>	<p>1. Visually check the wiring harness connection.</p> <p>2. Replace the harness if it has visible damage.</p> <p>3. Replace the crash zone sensor.</p> <p>4. Replace the air bag diagnosis sensor unit.</p>

JMHIA0526GB

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

<Driver air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the driver air bag module.</li> <li>4. Replace the spiral cable.</li> <li>5. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0527GB

<Front passenger air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front passenger air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0528GB

<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH seat belt assembly.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0529GB

<Front LH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH seat belt assembly.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0530GB

<RH satellite sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Three flashes indicate malfunctioning RH satellite sensor circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH satellite sensor.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0531GB

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

<LH satellite sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Four flashes indicate malfunctioning LH satellite sensor.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH satellite sensor.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0532GB

<Front RH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: One flash indicates malfunctioning front RH side air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH side air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0533GB

<Front LH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH side air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0534GB

<RH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH side curtain air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0535GB

<LH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side curtain air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0536GB

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

<Air bag diagnosis sensor unit>	
Flash pattern	Repair order
<p>a through d are repeated.                      d: Seventeen flashes indicate mis-installation of air bag diagnosis sensor unit.</p>	<p>1. Replace the air bag diagnosis sensor unit.</p>

JM8IA0537GB

## Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —

INFOID:000000003367527

**NOTE:**

- Type A: Up to VIN: JN8AZ18U\*9W100000, JN8AZ18W\*9W200000 (EXCEPT FOR MEXICO), JN8AZ18U\*9W710000, JN8AZ18W\*9W810000 (FOR MEXICO)
- Type B: From VIN: JN8AZ18U\*9W100001, JN8AZ18W\*9W200001 (EXCEPT FOR MEXICO), JN8AZ18U\*9W710001, JN8AZ18W\*9W810001 (FOR MEXICO)

Type A: Up to VIN: JN8AZ18U\*9W100000, JN8AZ18W\*9W200000 (EXCEPT FOR MEXICO),

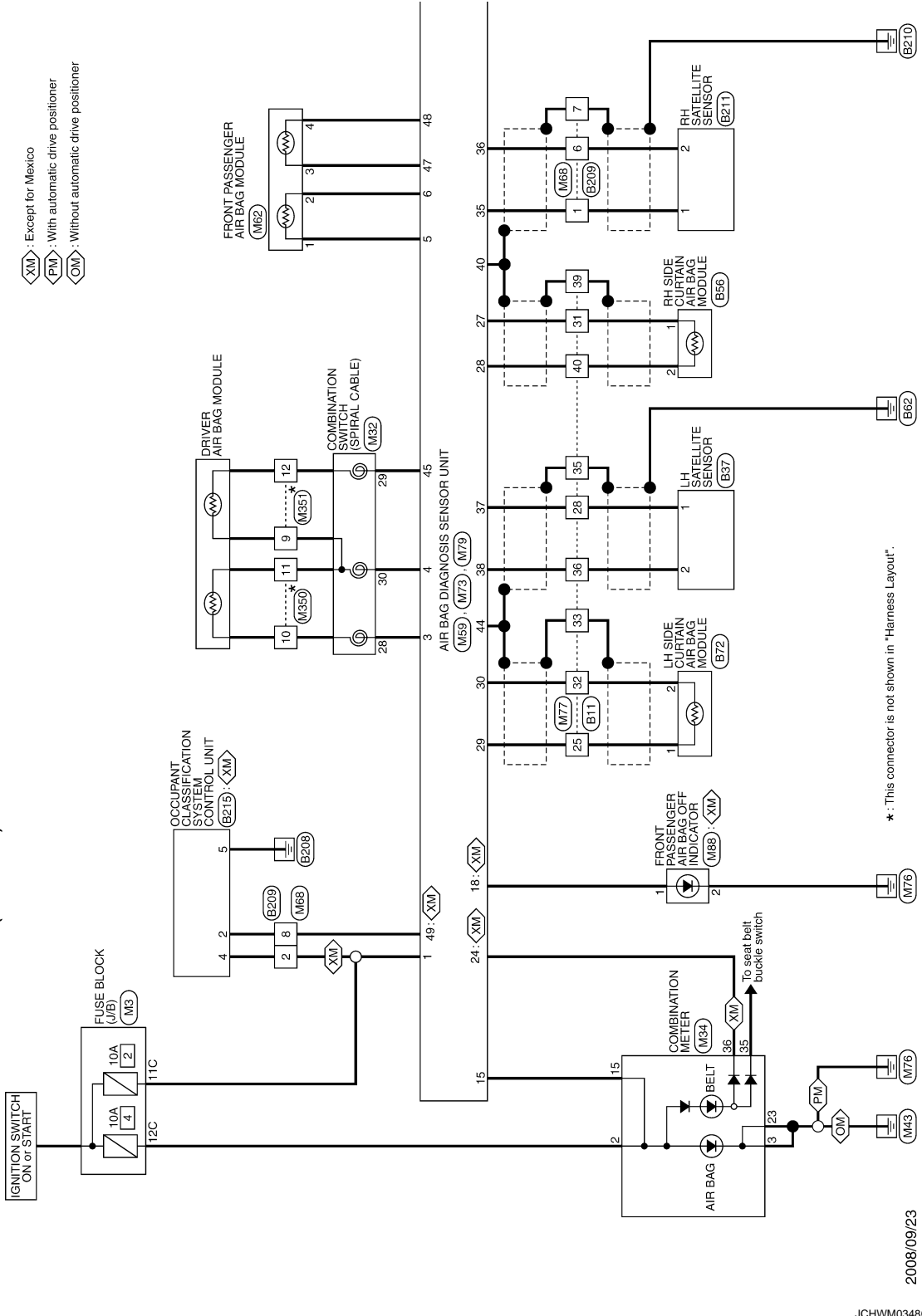
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

JN8AZ18U\*9W710000, JN8AZ18W\*9W810000 (FOR MEXICO)

## SRS AIR BAG CONTROL SYSTEM (TYPE A)



2008/09/23

JCHWM0348GI

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

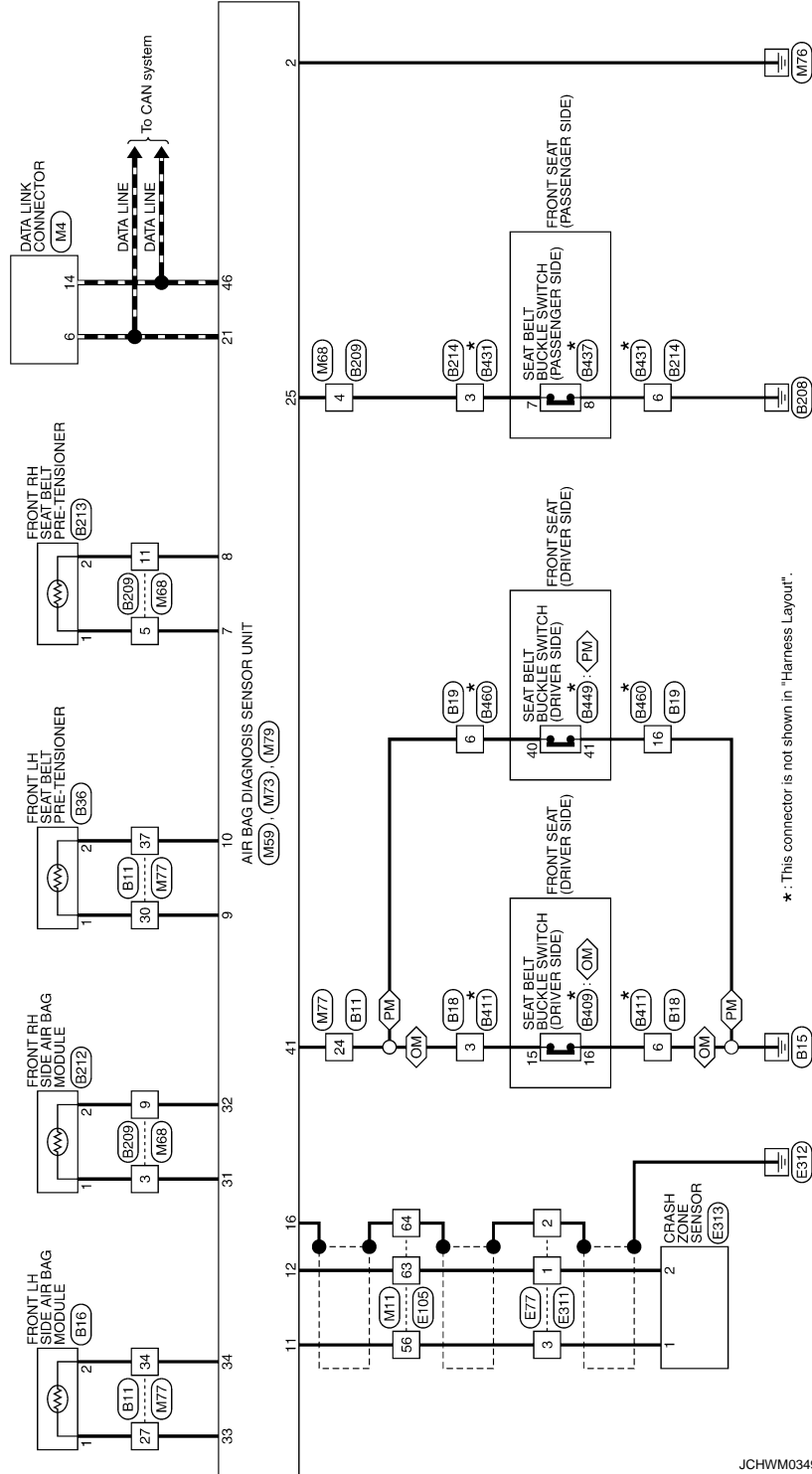
SRC

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

◊PM◊ : With automatic drive positioner  
 ◊OM◊ : Without automatic drive positioner



JCHWM0349GI



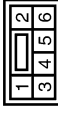
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

## SRS AIR BAG CONTROL SYSTEM (TYPE A)

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS36FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	GR	-
6	B/W	-

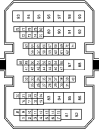
Connector No.	B18
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TKQ2FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	SB	-

37	LG	-
38	SHIELD	-
40	Y	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH30MW-CS.9



Terminal No.	Color of Wire	Signal Name [Specification]
24	GR	-
25	Y	-
27	V	-
28	W/L	-
30	P	-
31	O	-
32	BR	-
33	SHIELD	-
34	SB	-
35	SHIELD	-
36	L/O	-

Connector No.	B56
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACAQ2FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	Y	-

Connector No.	B37
Connector Name	LH SATELLITE SENSOR
Connector Type	HKQ2FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	W/L	-
2	L/O	-

Connector No.	B36
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACAQ2FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	LG	-

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
6	GR	-
16	B/W	-

A  
B  
C  
D  
E  
F  
G  
SRC  
I  
J  
K  
L  
M  
N  
O  
P

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

## SRS AIR BAG CONTROL SYSTEM (TYPE A)

Connector No.	B212
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-IV



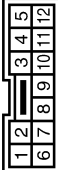
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	P	

Connector No.	B211
Connector Name	RH SATELLITE SENSOR
Connector Type	HK02FY-IV-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	G	

Connector No.	B209
Connector Name	WIRE TO WIRE
Connector Type	TK12MG-Y-BD



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	W	
3	L	
4	BR	
5	Y	
6	G	
7	SHIELD	
8	LG	
9	P	
11	SB	

Connector No.	B72
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



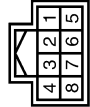
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	BR	

Connector No.	B409
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	AG3MW-P



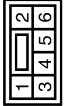
Terminal No.	Color of Wire	Signal Name [Specification]
15	W/G	
16	GR	

Connector No.	B215
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	COMMUNICATION
4	W	IGN
5	B	GND

Connector No.	B214
Connector Name	WIRE TO WIRE
Connector Type	NS06FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	
6	B/W	

Connector No.	B213
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	SB	

JCHWM0351GI

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

## SRS AIR BAG CONTROL SYSTEM (TYPE A)

Connector No. B411	WIRE TO WIRE NS08MW-CS		Terminal No. 3	Color of Wire W/G	Signal Name [Specification]	Terminal No. 6	Color of Wire GR	Signal Name [Specification]
Connector No. B431	WIRE TO WIRE NS06MW-CS		Terminal No. 3	Color of Wire W/G	Signal Name [Specification]	Terminal No. 6	Color of Wire GR	Signal Name [Specification]
Connector No. B437	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE) A03MW-P		Terminal No. 7	Color of Wire W/G	Signal Name [Specification]	Terminal No. 8	Color of Wire GR	Signal Name [Specification]
Connector No. B449	SEAT BELT BUCKLE SWITCH (DRIVER SIDE) A03MW-P		Terminal No. 40	Color of Wire W/G	Signal Name [Specification]	Terminal No. 41	Color of Wire GR	Signal Name [Specification]
Connector No. B460	WIRE TO WIRE NS16MW-CS		Terminal No. 6	Color of Wire W/G	Signal Name [Specification]	Terminal No. 16	Color of Wire GR	Signal Name [Specification]
Connector No. E77	WIRE TO WIRE RK03MB		Terminal No. 1	Color of Wire L/O	Signal Name [Specification]	Terminal No. 2	Color of Wire SHIELD	Signal Name [Specification]
Connector No. E105	WIRE TO WIRE TH70MW-CS10-M3		Terminal No. 56	Color of Wire W/L	Signal Name [Specification]	Terminal No. 63	Color of Wire L/O	Signal Name [Specification]
Connector No. E311	WIRE TO WIRE RK03FB-BD		Terminal No. 1	Color of Wire W	Signal Name [Specification]	Terminal No. 2	Color of Wire SHIELD	Signal Name [Specification]

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC


# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

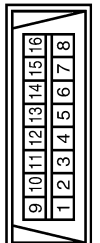
## SRS AIR BAG CONTROL SYSTEM (TYPE A)

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH70FW-CS(D)-M3



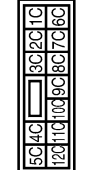
Terminal No.	Color of Wire	Signal Name [Specification]
56	SB	-
63	V	-
64	SHIELD	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW




Terminal No.	Color of Wire	Signal Name [Specification]
6	L	-
14	P	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



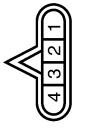
Terminal No.	Color of Wire	Signal Name [Specification]
11C	R	-
12C	O	-

Connector No.	E313
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02FY-1V-EX



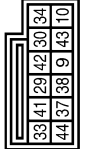
Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	W	-

Connector No.	M62
Connector Name	FRONT PASSENGER AIR BAG MODULE (TYPE A)
Connector Type	RK04FY-BD



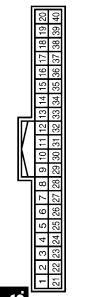
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	Y	-
4	Y	-

Connector No.	M59
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-2V-EX




Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	ELR LH+
10	Y	ELR LH-
29	Y	INF CURTAIN LH+
30	BR	INF CURTAIN LH-
33	Y	SIDE INF LH+
34	Y	SIDE INF LH-
37	R	SIDE SENS LH+
38	G	SIDE SENS LH-
41	SB	BUCKLE SW LH
44	SHIELD	GND

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	O	IGN
3	B	GROUND
15	BR	AIR BAG
23	B	GROUND
35	SB	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
36	R	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
28	Y	-
29	Y	-
30	Y	-

JCHWM0353GI

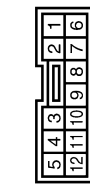
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

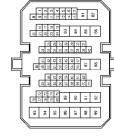
## SRS AIR BAG CONTROL SYSTEM (TYPE A)

Connector No.	M6B
Connector Name	WIRE TO WIRE
Connector Type	TK12FG-Y



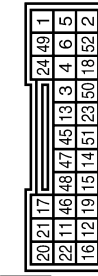
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	Y	-
4	L	-
5	Y	-
6	G	-
7	SHIELD	-
8	V	-
9	Y	-
11	Y	-

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS19



Terminal No.	Color of Wire	Signal Name [Specification]
24	SB	-
25	Y	-
27	Y	-
28	R	-
30	Y	-
31	W	-
32	BR	-
33	SHIELD	-
34	Y	-
35	SHIELD	-
36	G	-

Connector No.	M73
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DRI+
4	Y	INFLATOR DRI-SDR2-
5	Y	INFLATOR ASI+
6	Y	INFLATOR ASI-
11	SB	ECZS+
12	V	ECZS-
15	BR	A/B W/L
16	SHIELD	GND
18	V	A/B CUTOFF TELLTALE

Terminal No.	37	Color of Wire	Y	Signal Name [Specification]	-
	39	SHIELD	O	-	-
	40	O	-	-	-

21	L	CAN HI
24	R	SEATBELT W/L
46	Y	INFLATOR DRI+
48	P	CAN LO
47	Y	INFLATOR ASI+
48	Y	INFLATOR ASI-
49	V	ODE INPUT

Connector No.	M79
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	ELR RH+
8	Y	ELR RH-
25	L	BUCKLE SW RH
27	W	INF CURTAIN RH+
28	O	INF CURTAIN RH-
31	Y	SIDE INF RH+
32	Y	SIDE INF RH-
35	R	SIDE SENS RH+
36	G	SIDE SENS RH-
40	SHIELD	GND

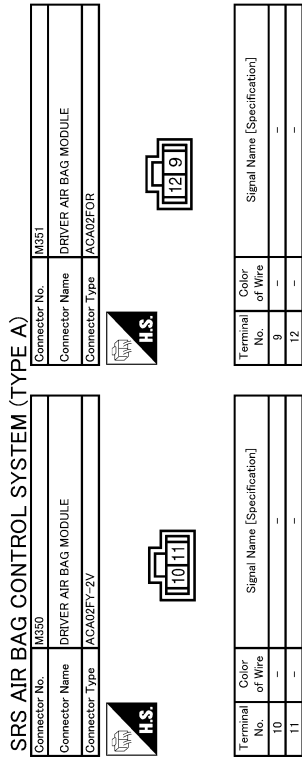
Connector No.	M88
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TK03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	B	-

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC



JCHWM0355GI

Type B: From VIN: JN8AZ18U\*9W100001, JN8AZ18W\*9W200001 (EXCEPT FOR MEXICO),

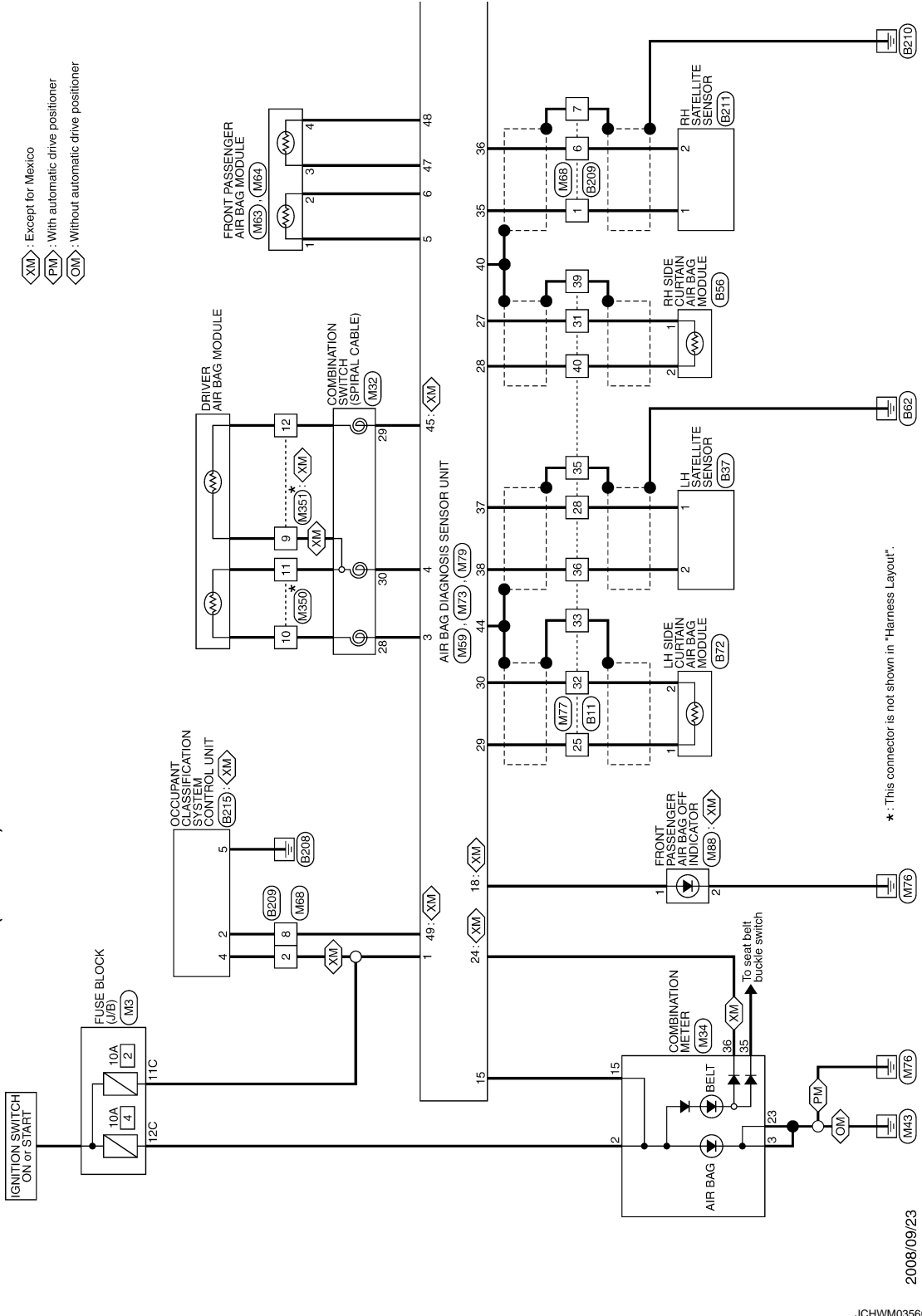
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

JN8AZ18U\*9W710001, JN8AZ18W\*9W810001 (FOR MEXICO)

## SRS AIR BAG CONTROL SYSTEM (TYPE B)



2008/09/23

JCHWM0356GI

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

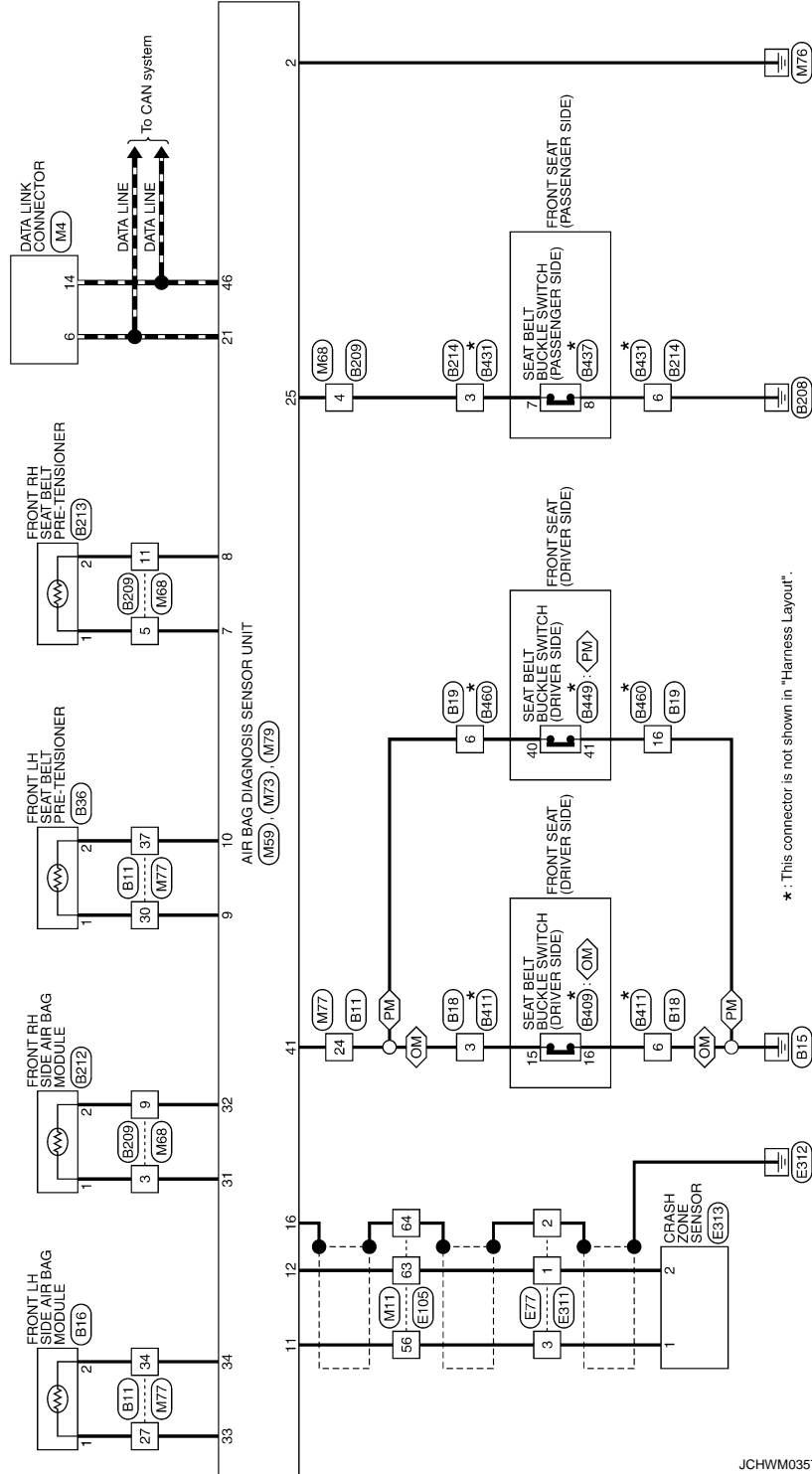
SRC

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

◊PM◊ : With automatic drive positioner  
 ◊OM◊ : Without automatic drive positioner



JCHWM0357G1



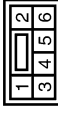
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

## SRS AIR BAG CONTROL SYSTEM (TYPE B)

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS36FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	GR	-
6	B/W	-

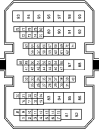
Connector No.	B18
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TKQ2FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	SB	-

37	LG	-
38	SHIELD	-
40	Y	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	THB0MW-CS-9



Terminal No.	Color of Wire	Signal Name [Specification]
24	GR	-
25	Y	-
27	V	-
28	W/L	-
30	P	-
31	O	-
32	BR	-
33	SHIELD	-
34	SB	-
35	SHIELD	-
36	L/O	-

Connector No.	B56
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACAQ2FY-2V



Connector No.	B37
Connector Name	LH SATELLITE SENSOR
Connector Type	HKQ2FY-1V-EX



Connector No.	B36
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACAQ2FY-2V



Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	Y	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	W/L	-
2	L/O	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	LG	-

Terminal No.	Color of Wire	Signal Name [Specification]
6	GR	-
16	B/W	-

A  
B  
C  
D  
E  
F  
G  
SRC  
I  
J  
K  
L  
M  
N  
O  
P

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

## SRS AIR BAG CONTROL SYSTEM (TYPE B)

Connector No.	B212
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-IV



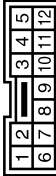
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	P	-

Connector No.	B211
Connector Name	RH SATELLITE SENSOR
Connector Type	HK02FY-IV-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-

Connector No.	B209
Connector Name	WIRE TO WIRE
Connector Type	TK12MG-Y-BD



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	L	-
4	BR	-
5	Y	-
6	G	-
7	SHIELD	-
8	LG	-
9	P	-
11	SB	-

Connector No.	B72
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



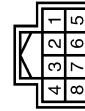
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	BR	-

Connector No.	B409
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	AG3MW-P



Terminal No.	Color of Wire	Signal Name [Specification]
15	W/G	-
16	GR	-

Connector No.	B215
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	COMMUNICATION
4	W	IGN
5	B	GND

Connector No.	B214
Connector Name	WIRE TO WIRE
Connector Type	NS06FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	-
6	B/W	-

Connector No.	B213
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	SB	-

JCHWM0359GI

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

## SRS AIR BAG CONTROL SYSTEM (TYPE B)

Connector No. B411	WIRE TO WIRE	NS08MW-CS			Terminal No. 3	Color of Wire W/G	Signal Name [Specification]	Terminal No. 6	Color of Wire GR	Signal Name [Specification]
Connector Name	WIRE TO WIRE	NS08MW-CS			3	W/G	-	6	GR	-
Connector Type	NS08MW-CS				6	GR	-			
Connector No. B431	WIRE TO WIRE	NS06MW-CS			Terminal No. 3	Color of Wire W/G	Signal Name [Specification]	Terminal No. 6	Color of Wire GR	Signal Name [Specification]
Connector Name	WIRE TO WIRE	NS06MW-CS			3	W/G	-	6	GR	-
Connector Type	NS06MW-CS				6	GR	-			
Connector No. B437	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)	A03MW-P			Terminal No. 7	Color of Wire W/G	Signal Name [Specification]	Terminal No. 8	Color of Wire GR	Signal Name [Specification]
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)	A03MW-P			7	W/G	-	8	GR	-
Connector Type	A03MW-P				8	GR	-			
Connector No. B449	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)	A03MW-P			Terminal No. 40	Color of Wire W/G	Signal Name [Specification]	Terminal No. 41	Color of Wire GR	Signal Name [Specification]
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)	A03MW-P			40	W/G	-	41	GR	-
Connector Type	A03MW-P				41	GR	-			
Connector No. E77	WIRE TO WIRE	RK03MB			Terminal No. 1	Color of Wire L/O	Signal Name [Specification]	Terminal No. 2	Color of Wire SHIELD	Signal Name [Specification]
Connector Name	WIRE TO WIRE	RK03MB			1	L/O	-	2	SHIELD	-
Connector Type	RK03MB				3	W/L	-	3	W/L	-
Connector No. E105	WIRE TO WIRE	TH70MW-CS10-M3			Terminal No. 56	Color of Wire W/L	Signal Name [Specification]	Terminal No. 63	Color of Wire L/O	Signal Name [Specification]
Connector Name	WIRE TO WIRE	TH70MW-CS10-M3			56	W/L	-	63	L/O	-
Connector Type	TH70MW-CS10-M3				64	SHIELD	-	64	SHIELD	-
Connector No. E311	WIRE TO WIRE	RK03FB-BD			Terminal No. 1	Color of Wire W	Signal Name [Specification]	Terminal No. 2	Color of Wire SHIELD	Signal Name [Specification]
Connector Name	WIRE TO WIRE	RK03FB-BD			1	W	-	2	SHIELD	-
Connector Type	RK03FB-BD				3	O	-	3	O	-
Connector No. B460	WIRE TO WIRE	NS16MW-CS			Terminal No. 6	Color of Wire W/G	Signal Name [Specification]	Terminal No. 16	Color of Wire GR	Signal Name [Specification]
Connector Name	WIRE TO WIRE	NS16MW-CS			6	W/G	-	16	GR	-
Connector Type	NS16MW-CS									

JCHWM0360GI

A  
B  
C  
D  
E  
F  
G  
SRC  
I  
J  
K  
L  
M  
N  
O  
P

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

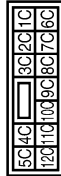
## SRS AIR BAG CONTROL SYSTEM (TYPE B)

Connector No.	E313
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	W	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
11C	R	-
12C	O	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
6	L	-
14	P	-

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH70FW-CS(D)-M3



Terminal No.	Color of Wire	Signal Name [Specification]
56	SB	-
63	V	-
64	SHIELD	-

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FY-EX-1V



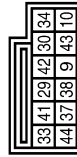
Terminal No.	Color of Wire	Signal Name [Specification]
28	Y	-
29	Y	-
30	Y	-

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	O	IGN
3	B	GROUND
15	BR	AIR BAG
23	B	GROUND
35	SB	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
36	R	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

Connector No.	M59
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-2V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	ELR LH+
10	Y	ELR LH-
29	Y	INF CURTAIN LH+
30	BR	INF CURTAIN LH-
33	Y	SIDE INF LH+
34	Y	SIDE INF LH-
37	R	SIDE SENS LH+
38	G	SIDE SENS LH-
41	SB	BUCKLE SW LH
44	SHIELD	GND

Connector No.	M63
Connector Name	FRONT PASSENGER AIR BAG MODULE (TYPE B)
Connector Type	JCA02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

JCHWM0361G1

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

## SRS AIR BAG CONTROL SYSTEM (TYPE B)

Connector No.	M64
Connector Name	FRONT PASSENGER AIR BAG MODULE (TYPE B)
Connector Type	UCAGFOR



Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-
4	Y	-

Connector No.	M68
Connector Name	WIRE TO WIRE
Connector Type	TK12FG-Y



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	Y	-
4	L	-
5	Y	-
6	G	-
7	SHIELD	-
8	V	-
9	Y	-
11	Y	-

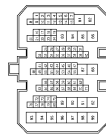
Connector No.	M73
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DRI+
4	Y	INFLATOR DRI-&DR2-
5	Y	INFLATOR ASI+
6	Y	INFLATOR ASI-
11	SB	ECZS+
12	V	ECZS-
15	BR	A/B W/L
16	SHIELD	GND
18	V	A/B CUTOFF TELLTALE

21	L	CAN HI
24	R	SEATBELT W/L
45	Y	INFLATOR DR2+
46	P	CAN LO
47	Y	INFLATOR AS2+
48	Y	INFLATOR AS2-
49	V	ODS INPUT

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS19



Terminal No.	Color of Wire	Signal Name [Specification]
24	SB	-
25	Y	-
27	Y	-
28	R	-
30	Y	-
31	W	-
32	BR	-
33	SHIELD	-
34	Y	-
35	SHIELD	-
36	G	-

Connector No.	M79
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	ELR RH+
8	Y	ELR RH-
25	L	BUCKLE SW RH
27	W	INF CURTAIN RH+
28	O	INF CURTAIN RH-
31	Y	SIDE INF RH+
32	Y	SIDE INF RH-
35	R	SIDE SENS RH+
36	G	SIDE SENS RH-
40	SHIELD	GND

Connector No.	M88
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TK03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	B	-

JCHWM0362G1

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC

**SRS AIR BAG CONTROL SYSTEM (TYPE B)**

Connector No.	M330
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
10	-	-
11	-	-

Connector No.	M351
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FOR



Terminal No.	Color of Wire	Signal Name [Specification]
9	-	-
12	-	-

JCHWM0363GI

# SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

[FOR USA AND CANADA]

## SYMPTOM DIAGNOSIS

### SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

#### Diagnosis Procedure

INFOID:000000003367528

#### 1.CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to [SRC-130, "Diagnosis Procedure"](#) or [SRC-132, "Diagnosis Procedure"](#).

NO >> GO TO 2.

#### 2.CHECK AIR BAG FUSE

Check the air bag fuse. Refer to [PG-102, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.2, located in fuse block (J/B)] normal?

YES >> GO TO 4.

NO >> GO TO 3.

#### 3.CHECK AIR BAG FUSE AGAIN

Replace air bag fuse and turn ignition switch ON.

Did the air bag fuse blow again?

YES >> Repair or replace main harness.

NO >> **INSPECTION END**

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace air bag diagnosis sensor unit. Refer to [SR-19, "Removal and Installation"](#).

#### 5.CHECK HARNESS CONNECTION

Check harness connection between air bag warning lamp and air bag diagnosis sensor unit.

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

NO >> Replace wiring harness connector.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

[FOR USA AND CANADA]

---

## SRS AIR BAG WARNING LAMP DOES NOT TURN ON

### Diagnosis Procedure

INFOID:000000003367529

#### 1.CHECK METER FUSE

---

Check the meter fuse. Refer to [PG-102, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.4, located in fuse block (J/B)] normal?

YES >> GO TO 3.

NO >> GO TO 2.

#### 2.CHECK METER FUSE AGAIN

---

Replace 10A fuse [No.4, located in fuse block (J/B)] and turn ignition switch ON.

Did the meter fuse blow again?

YES >> Repair or replace the related harness.

NO >> **INSPECTION END**

#### 3.CHECK HARNESS CONNECTION

---

1. Check harness connection between air bag diagnosis sensor unit and combination meter.

2. Disconnect air bag diagnosis sensor unit connector and turn ignition switch ON.

Did air bag warning lamp turn ON?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-19, "Removal and Installation"](#).

NO >> Replace combination meter assembly. Refer to [MWI-145, "Removal and Installation"](#).



# PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

[FOR USA AND CANADA]

## PASSENGER SEAT BELT WARNING SYSTEM

### Diagnosis Procedure

INFOID:000000003367530

#### 1.CHECK THE SYSTEM 1

Check the seat belt warning lamp function.

Seat belt warning lamp turns ON in the following conditions.

- Driver seat belt is fastened.
- Occupant is on front passenger seat.
- Front passenger seat belt is not fastened.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Check the followings.

- Harness between air bag diagnosis sensor unit and combination meter.
- Seat belt buckle switch (front passenger side) circuit.
- Seat belt buckle switch (front passenger side).

If these are OK, replace air bag diagnosis sensor unit.

#### 2.CHECK THE SYSTEM 2

Check the seat belt warning lamp function.

Seat belt warning lamp turns OFF in the following conditions.

- Driver seat belt is fastened.
- Occupant is on front passenger seat.
- Front passenger seat belt is fastened.

Is the inspection result normal?

YES >> System is OK.

NO >> Check the followings.

- Seat belt buckle switch (front passenger side) circuit.
- Seat belt buckle switch (front passenger side).

If these are OK, replace air bag diagnosis sensor unit.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

## PRECAUTION

### PRECAUTIONS

#### Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000003367531

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIRBAG" and "SEAT BELT" of this Service Manual.

**WARNING:**

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the "SRS AIRBAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

#### PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

When working near the Airbag Diagnosis Sensor Unit or other Airbag System sensors while ignition switch is ON or engine is running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration may activate the sensor(s), deploy the airbag(s), possibly cause serious injury. When using air or electric power tools or hammers, always turn OFF ignition switch, disconnect the battery, and wait 3 minutes or more before performing any service.

#### Service

INFOID:000000003367532

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes.  
For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have elapsed.
- Diagnosis sensor unit must always be installed with their arrow marks "←" pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper functioning after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

#### Occupant Classification System Precaution

INFOID:000000003367533

- Replace occupant classification system control unit and passenger front seat cushion as an assembly. Refer to [SE-106. "Removal and Installation"](#).

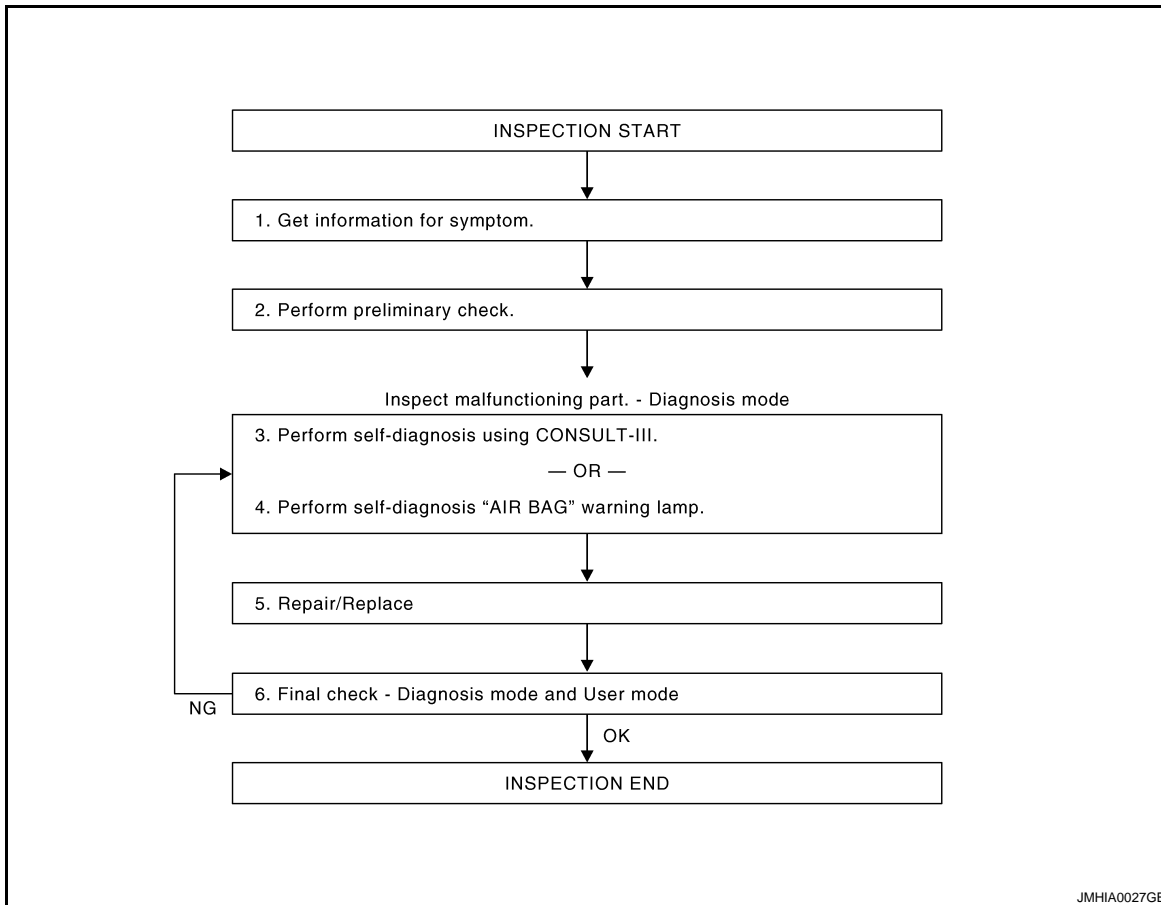
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

#### Work Flow

INFOID:000000004785834

#### OVERALL SEQUENCE



#### DETAILED FLOW

### 1.GET INFORMATION FOR SYMPTOM

Interview the customer about the symptom.

>> GO TO 2.

### 2.PERFORM PRELIMINARY CHECK

At the beginning of inspection, confirm the condition of power supply circuit, check that the battery is charged and fuses and fusible links are not blown.

Is power supply circuit normal?

YES-1 >> GO TO 3. (With CONSULT-III)

YES-2 >> GO TO 4. (Without CONSULT-III)

NO >> Repair or replace the battery and fuse/fusible links.

### 3.PERFORM SELF-DIAGNOSIS USING "CONSULT-III" (WITH CONSULT-III)

Perform "AIR BAG" Self Diagnostic Result.

Is "MALFUNCTIONING PART" displayed on CONSULT-III?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

## DIAGNOSIS AND REPAIR WORK FLOW

[FOR MEXICO]

< BASIC INSPECTION >

---

### 4.PERFORM SELF-DIAGNOSIS "AIR BAG" WARNING LAMP (WITHOUT CONSULT-III)

---

Check the air bag warning lamp status.

Is "MALFUNCTIONING PART" detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

### 5.REPAIR OR REPLACE

---

Repair or replace the malfunctioning part.

After the malfunction is repaired, erase the self-diagnostic result. Refer to [SRC-18. "Diagnosis Description"](#) or [SRC-20. "CONSULT-III Function"](#).

>> GO TO 6.

### 6.FINAL CHECK

---

Perform "AIR BAG" Self Diagnostic Result with CONSULT-III and /or, air bag warning lamp status.

Are all malfunctions corrected?

YES >> **INSPECTION END**

NO-1 >> GO TO 3. (With CONSULT-III)

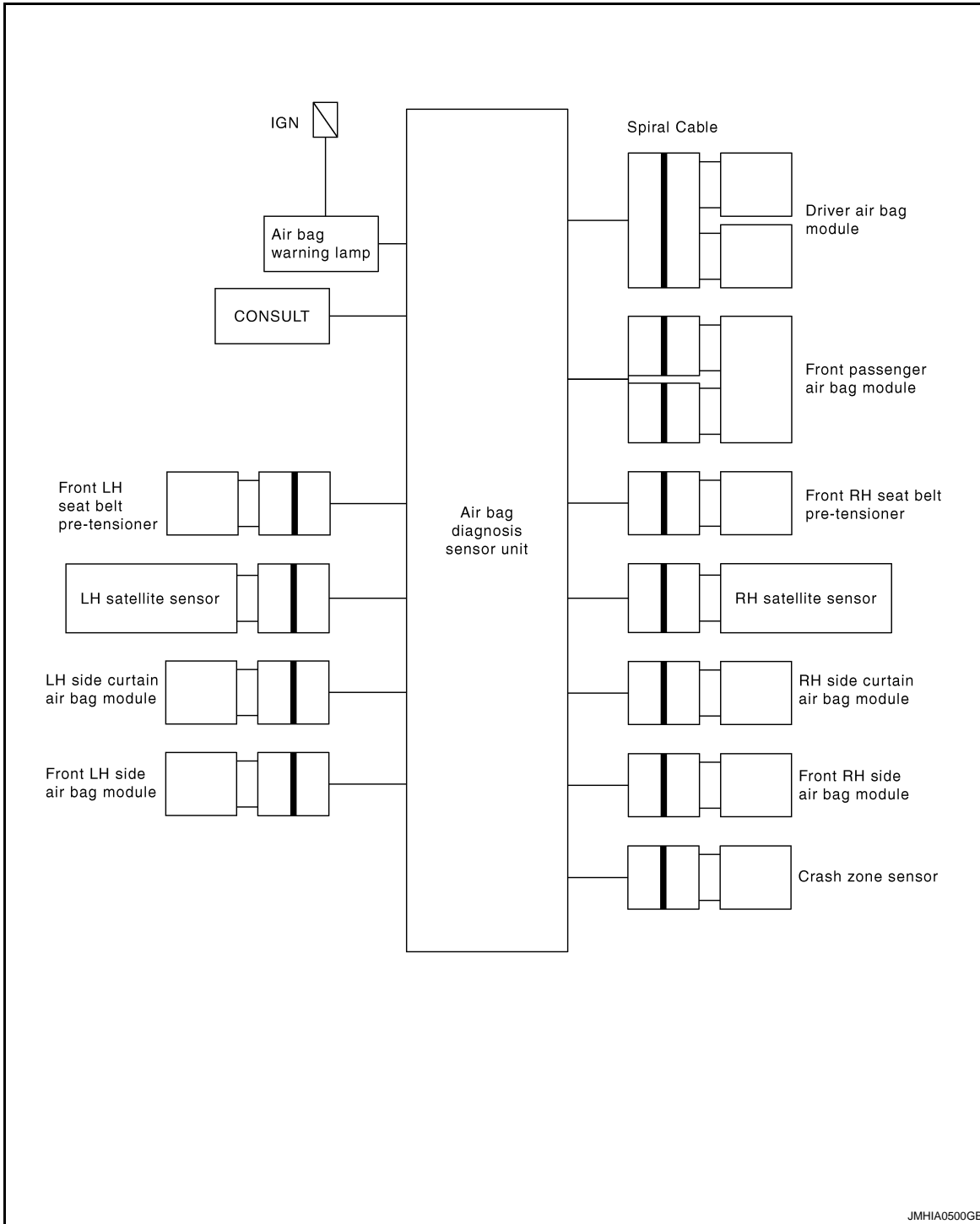
NO-2 >> GO TO 4. (Without CONSULT-III)

FUNCTION DIAGNOSIS

SRS AIR BAG SYSTEM

System Diagram

INFOID:0000000003367572



A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC

System Description

INFOID:0000000004749730

Supplemental Restraint System (SRS) activates air bag module and seal belt pre-tensioner when it detects a frontal collision or a side collision that is more than the specified limit. Together with other safety devices, it reduces the impact that occupant receives when vehicle collision occurs.

Air bag sensor unit supplies power supply to air bag module and pre-tensioner seat belt when deceleration that is more than the specified limit is detected by G sensor in air bag diagnosis sensor unit, crash zone sen-

# SRS AIR BAG SYSTEM

[FOR MEXICO]

## < FUNCTION DIAGNOSIS >

sensor, or satellite sensor. Air bag module is composed of electric igniter (squib), filter, pyrotechnic material, and gas generating material. When air bag module receives a signal from air bag sensor unit, air bag module ignites pyrotechnic material using electric igniter (squib) so that gas generating material generates high temperature nitrogen gas. The gas through filter activates air bag and seat belt pre-tensioner.

### AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS

Air bag diagnosis sensor unit has the following functions.

- Detects a collision and supplies the energy for deploying air bag and seat belt pre-tensioner.
- Detects and records electrical malfunction in air bag system and seat belt pre-tensioner system, and blinking air bag warning lamp.
- Detects and records the deployment of air bag and seat belt pre-tensioner, and turns ON air bag warning lamp.
- Indicates malfunctioning portion via the number of blinks from the air bag warning lamp in the diagnosis mode.
- Indicates the malfunction record via CONSULT-III.

### COLLISION MODES

The operation of SRS is different depending on the collision modes applications. For example, the driver air bag module, passenger air bag module, and seat belt pre-tensioner are activated in a frontal collision but not in a side collision.

SRS configurations that are activated for the following collision modes.

×: Apply —: Not apply

Collision Mode	Driver air bag module	Front passenger air bag module	Front LH seat belt pre-tensioner	Front RH seat belt pre-tensioner	Front LH-side air bag module	Front RH side air bag module	LH side curtain air bag module	RH side curtain air bag module
Frontal collision	×	×	×	×	—	—	—	—
Left side collision	—	—	—	—	×	—	×	—
Right side collision	—	—	—	—	—	×	—	×

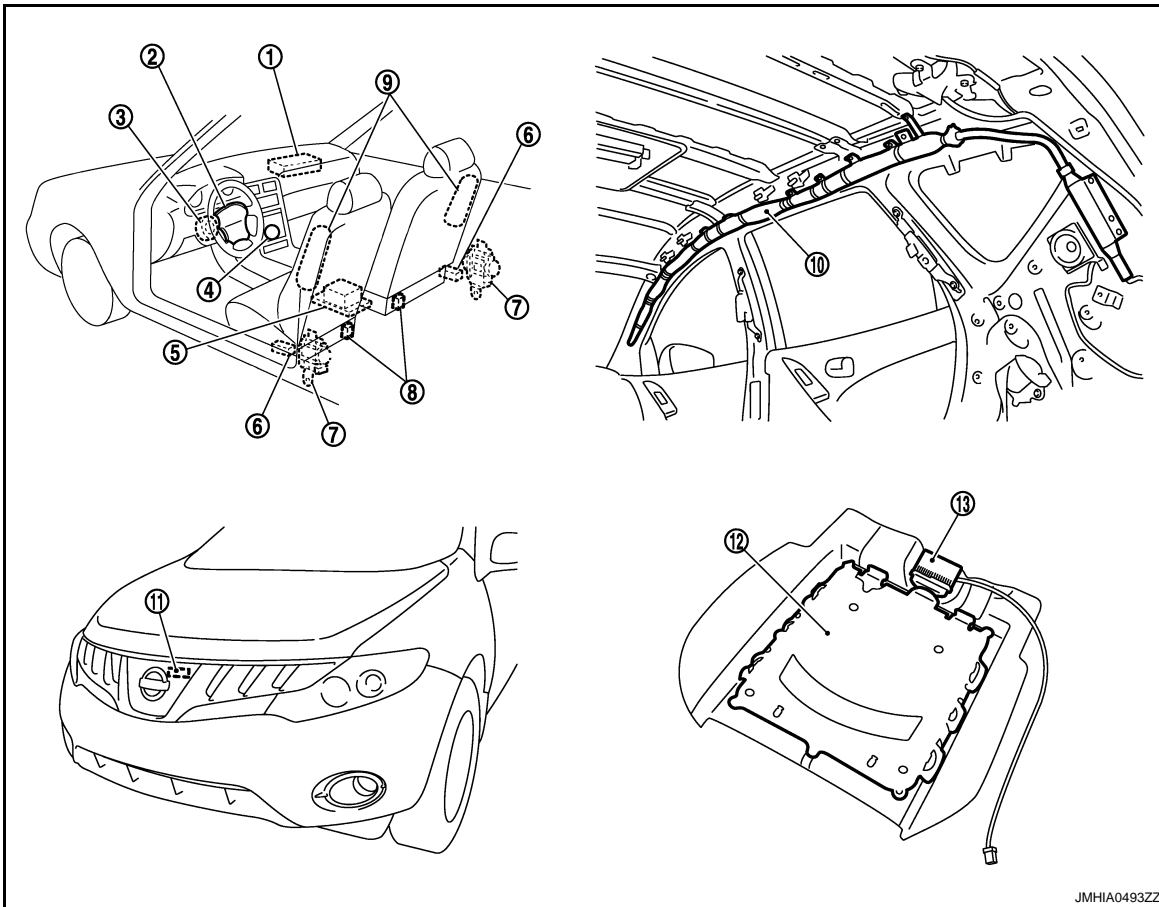
# SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

[FOR MEXICO]

## Component Parts Location

INFOID:000000004769460



- |   |  |   |
|---|--|---|
| 1. Front passenger air bag module<br>M62 <sup>1</sup> , M63 <sup>2</sup> , M64 <sup>2</sup> | 2. Driver air bag module M350, M351 <sup>3</sup>   | 3. Combination switch (Spiral cable)<br>M32                   |
| 4. Front passenger air bag OFF indicator<br>M88   | 5. Air bag diagnosis sensor unit M59,<br>M73, M79  | 6. Satellite sensor (LH/RH)<br>• LH B37<br>• RH B211          |
| 7. Front seat belt pre-tensioner (LH/<br>RH)<br>• LH B36<br>• RH B213                       | 8. Seat belt buckle switch (Driver side/<br>Passenger side)<br>• Driver side B409, B449<br>• Passenger side B437 | 9. Front side air bag module (LH/RH)<br>• LH B16<br>• RH B212 |
| 10. Side curtain air bag module<br>• LH B72<br>• RH B56                                     | 11. Crash zone sensor E313   | 12. Occupant Classification System seat<br>sensor mat         |
| 13. Occupant Classification System control<br>unit B215                                     |  |   |

<sup>1</sup>: Up to VIN: JN8AZ18U\*9W100000, JN8AZ18W\*9W200000 (EXCEPT FOR MEXICO), JN8AZ18U\*9W710000, JN8AZ18W\*9W810000 (FOR MEXICO)

<sup>2</sup>: From VIN: JN8AZ18U\*9W100001, JN8AZ18W\*9W200001 (EXCEPT FOR MEXICO), JN8AZ18U\*9W710001, JN8AZ18W\*9W810001 (FOR MEXICO)

<sup>3</sup>: From VIN: JN8AZ18U\*9W100001, JN8AZ18W\*9W200001 (EXCEPT FOR MEXICO)

## Component Description

INFOID:000000004749729

A  
B  
C  
D  
E  
F  
G  
SRC  
I  
J  
K  
L  
M  
N  
O  
P

# SRS AIR BAG SYSTEM

[FOR MEXICO]

## < FUNCTION DIAGNOSIS >

Component	Function
Air bag diagnosis sensor unit	Detects a collision and supplies power supply for deployment to air bag module and pre-tensioner seat belt.
Air bag module <ul style="list-style-type: none"><li>• Driver</li><li>• Passenger</li><li>• Side</li><li>• Curtain</li></ul>	Receives signal from air bag diagnosis sensor unit and deploys air bag.
Seat belt pre-tensioner	Receives signal from air bag diagnosis sensor unit and deploys seat belt pre-tensioner.
Seat belt buckle switch	Controls deployment timing based on seat belt fastened or unfastened condition.
Crash zone sensor	Transmits signal to air bag diagnosis sensor unit when a frontal collision occurs.
Satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.
Combination meter (air bag warning lamp)	Indicates air bag malfunctioning and deployment by blinking and illuminating air bag warning lamp.
Passenger air bag OFF indicator	Indicates whether or not passenger air bag is in the activation mode based on the judgement of Occupant Classification System.
Combination switch (spiral cable)	Supplies power supply to driver air bag module on steering wheel.



## DIAGNOSIS SYSTEM (AIRBAG)

### Diagnosis Description

INFOID:000000003367576

**CAUTION:**

- Do not use electrical test equipment on any circuit related to the SRS unless instructed in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.
- Do not repair, splice or modify the SRS wiring harness. If the harness is damaged, replace it with a new one.
- Keep ground portion clean.

### DIAGNOSIS FUNCTION

- The SRS self-diagnosis results can be read by using air bag warning lamp and/or CONSULT-III.
- The user mode is exclusively prepared for the customer (driver). This mode warns the driver of a system malfunction through the operation of the air bag warning lamp.
- The diagnosis mode allows the technician to locate and inspect the malfunctioning part.
- The mode applications for the air bag warning lamp and CONSULT-III are as follows.

	User mode	Diagnosis mode	Display type
Air bag warning lamp	X	X	ON-OFF operation
CONSULT-III	–	X	Monitoring

### HOW TO PERFORM TROUBLE DIAGNOSIS FOR QUICK AND ACCURATE REPAIR

A good understanding of the malfunction conditions can make troubleshooting faster and more accurate. In general, each customer feels differently about a malfunction. It is important to fully understand the symptoms or conditions for a customer complaint.

Information from Customer.

- WHAT..... Vehicle model.
- WHEN..... Date, Frequencies.
- WHERE..... Road conditions.
- HOW..... Operating conditions, Symptoms.

Preliminary Check.

Check that the following parts are in good order.

- Battery (Refer to [PG-3, "How to Handle Battery"](#)).
- Fuse (Refer to [PG-79, "Fuse"](#)).
- System component-to-harness connections.

### HOW TO ERASE SELF-DIAGNOSTIC RESULTS (With CONSULT-III)

- “SELF-DIAG [CURRENT]”  
A current self-diagnosis result is displayed on CONSULT-III screen in real time. After the malfunction is repaired completely, no malfunction is detected on “SELF-DIAG [CURRENT]”.
- “SELF-DIAG [PAST]”  
Return to “SELF-DIAG [CURRENT]” CONSULT-III screen by touching “BACK” key of CONSULT-III and select “SELF-DIAG [CURRENT]” in SELECT DIAG MODE. Touch “ERASE” in “SELF-DIAG [CURRENT]” mode.

**NOTE:**

If the memory of the malfunction in “SELF-DIAG [PAST]” is not erased, the user mode shows the system malfunction by the operation of the warning lamp even if the malfunction is repaired completely.

- “TROUBLE DIAG RECORD”  
The memory of “TROUBLE DIAG RECORD” cannot be erased.

### HOW TO ERASE SELF-DIAGNOSTIC RESULTS (Without CONSULT-III)

After a malfunction is repaired, turn the ignition switch OFF for at least one second, then turn ignition switch ON diagnosis mode returns to the user mode. At that time the self-diagnosis result is cleared.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# DIAGNOSIS SYSTEM (AIRBAG)

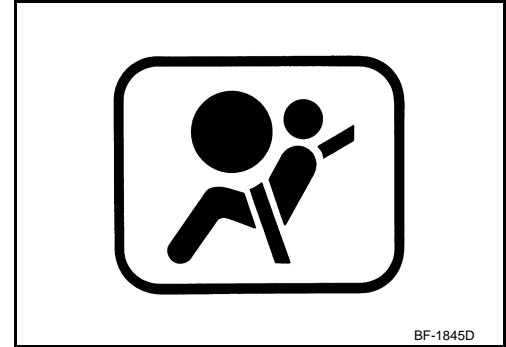
[FOR MEXICO]

< FUNCTION DIAGNOSIS >

## DIAGNOSTIC PROCEDURE (User mode)

Checking air bag operation according to air bag warning lamp-User Mode

1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.
2. Compare the air bag warning lamp blinking pattern with the examples.



Warning lamp examples (User mode)

Air bag warning lamp operation -User mode	SRS condition	Reference item
<p style="text-align: right; font-size: x-small;">SHIA0011E</p>	<ul style="list-style-type: none"> <li>• No malfunction is detected</li> <li>• No further action is necessary</li> </ul>	<p style="text-align: center;">—</p>
<p style="text-align: right; font-size: x-small;">SHIA0012E</p>	<ul style="list-style-type: none"> <li>• The system is malfunctioning and needs to be repaired as indicated</li> </ul>	<p>Go to <a href="#">SRC-177. "Diagnosis Description"</a></p>

# DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

[FOR MEXICO]

Air bag warning lamp operation -User mode	SRS condition	Reference item
<p>SHIA0013E</p>	<ul style="list-style-type: none"> <li>Air bag is deployed</li> <li>Seat belt pre-tensioner is deployed</li> </ul>	Go to <a href="#">SRC-293, "Diagnosis Procedure"</a> or <a href="#">SRC-295, "Diagnosis Procedure"</a>
	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is malfunctioning</li> <li>Air bag power supply circuit is malfunctioning</li> <li>Air bag warning lamp circuit is malfunctioning</li> </ul>	Go to <a href="#">SRC-329, "Diagnosis Procedure"</a>
<p>SHIA0014E</p>	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is malfunctioning</li> <li>Air bag warning lamp circuit is malfunctioning</li> </ul>	Go to <a href="#">SRC-329, "Diagnosis Procedure"</a>

A  
B  
C  
D  
E  
F  
G

SRC

## DIAGNOSTIC PROCEDURE (With CONSULT-III)

Diagnostic Mode	Description
SELF-DIAG RESULT	The self-diagnosis result is displayed (SELF-DIAG [CURRENT], [PAST], RECORD)
DISCRIMINATED No.	The part number of air bag diagnosis sensor unit is displayed

I  
J

## CONSULT-III Function

INFOID:000000003367577

### DIAGNOSIS MODE FOR CONSULT-III

- "SELF-DIAG [CURRENT]"  
A current self-diagnosis results (also indicated with the number of warning lamp blinks in diagnosis mode) are displayed on CONSULT-III screen in real time. This refers to a malfunctioning part requiring repairs.
- "SELF-DIAG [PAST]"  
Diagnosis results previously stored in the memory are displayed on CONSULT-III screen. The stored results are not erased until memory erasing is executed.
- "TROUBLE DIAG RECORD"  
With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT-III screen.
- "DISCRIMINATED NO."  
The air bag diagnosis sensor unit for each vehicle model has its own individual classification number. This number will be displayed on CONSULT-III screen, as shown. When replacing the air bag diagnosis sensor unit, refer to the part number for the compatibility. After installation, replacement with a correct unit can be checked by confirming this classification number on CONSULT-III screen.  
After repair, check that the discriminated number of air bag diagnosis sensor unit installed to vehicle are the same. Refer to [SR-41, "Removal and Installation"](#).

K  
L  
M  
N  
O  
P

### HOW TO CHANGE SELF-DIAGNOSIS MODE WITH CONSULT-III

#### From User Mode to Diagnosis Mode

After selecting "AIR BAG" on the "SELECT SYSTEM" screen, User mode automatically changes to Diagnosis mode.

# DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

[FOR MEXICO]

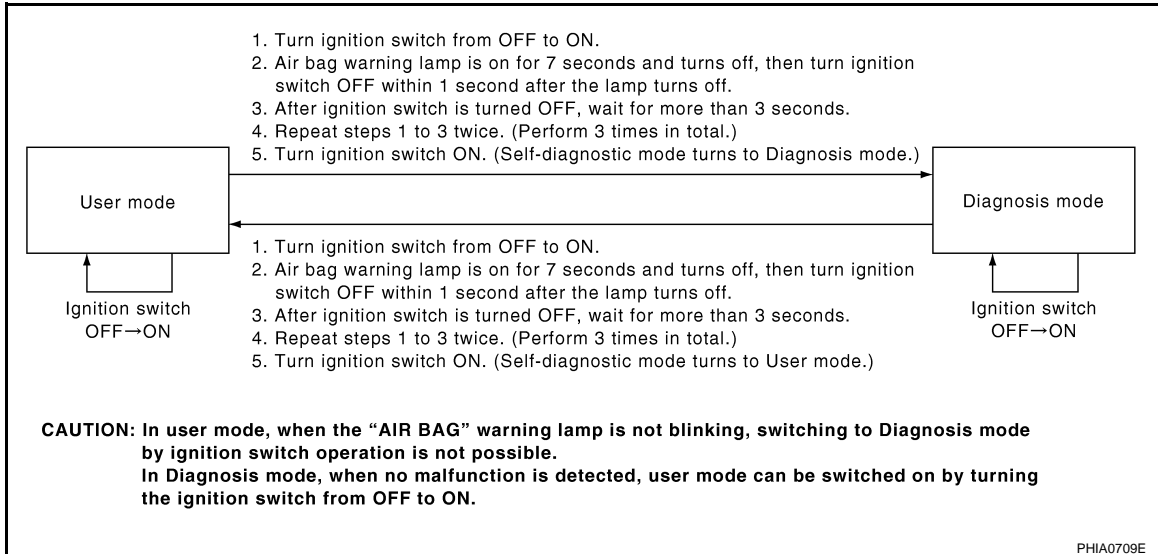
## From Diagnosis Mode to User Mode

To return to User mode from Diagnosis mode, touch "BACK" key of CONSULT-III until "SELECT SYSTEM" appears, then diagnosis mode automatically changes to User mode.

## SELF-DIAGNOSIS FUNCTION (Without CONSULT-III)

- The reading of these results is accomplished by "User mode" and "Diagnosis mode".
- After a malfunction is repaired, turn ignition switch ON. Diagnosis mode returns to the user mode. At that time, the self-diagnosis result is cleared.

## HOW TO CHANGE SELF-DIAGNOSIS MODE WITHOUT CONSULT-III



# B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## COMPONENT DIAGNOSIS

### B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

#### Description

INFOID:0000000003367578

#### DTC B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

#### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

#### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

#### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

#### DTC Logic

INFOID:0000000003367579

SRC

#### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1001 B1002 B1003 B1004 B1005	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

##### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-182, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

#### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

##### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

##### 1.INSPECTION START

Turn ignition switch ON.

# B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367580

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40. "Intermittent Incident"](#).

# B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367581

### DTC B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367582

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1006 B1007 B1008 B1009 B1010	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit.</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-184, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-305](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367583

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

#### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

---

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

---

#### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).



# B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367584

### DTC B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367585

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1011 B1012 B1013 B1014 B1015	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-186, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-305](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367586

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

## 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

---

## 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367587

### DTC B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367588

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1026 B1027 B1028 B1029 B1030 B1031	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-188. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367589

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1033, B1034 CRASH ZONE SEN

### Description

INFOID:000000003367590

### DTC B1033, B1034 [UNIT FAIL] CRASH ZONE SENSOR

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

### OPERATION

When air bag diagnosis sensor unit define the both signal voltage of the "G" sensor and the safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

### STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

### INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

### DTC Logic

INFOID:000000003367591

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1033 B1034	CRASH ZONE SENSOR [UNIT FAIL]	Crash zone sensor is out of order	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Internal breakdown in crash zone sensor</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-190, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

---

## 2.CHECK AIR BAG WARNING LAMP-

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367592

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

## 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connectors.

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

## 3.CHECK CRASH ZONE SENSOR

---

1. Replace crash zone sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1035, B1036, B1038, B1040 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1035, B1036, B1038, B1040 CRASH ZONE SEN

### Description

INFOID:000000003367593

### DTC B1035, B1036, B1038, B1040 [COMM FAIL] CRASH ZONE SENSOR

Main "G" sensor that generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

### OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

### STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

### INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

### DTC Logic

INFOID:000000003367594

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1035	CRASH ZONE SENSOR [COMM FAIL]	Crash zone sensor is out of order	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and open/short</li><li>• Internal breakdown in crash zone sensor</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>
B1036	[UNMATCH]		
B1038	[OPEN/UPR-VB-SHORT]		
B1040	[SHORT/UPR-GND-SHORT]		

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-192. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367595

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK CRASH ZONE SENSOR

---

1. Replace crash zone sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40. "Intermittent Incident"](#).



# B1037, B1039, B1041 CRASH ZONE SENS1

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1037, B1039, B1041 CRASH ZONE SENS1

### Description

INFOID:000000004185603

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

### OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which exceeds a specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belts.

### STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

### INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

### DTC Logic

INFOID:000000004185604

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1037 B1039 B1041	CRASH ZONE SENSOR1	Crash zone sensor is malfunctioning	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in crash zone sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-177, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-193, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185605

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Replace wiring harness.

# B1037, B1039, B1041 CRASH ZONE SENS1

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

---

## 3. REPLACE CRASH ZONE SENSOR

---

1. Replace crash zone sensor. Refer to [SR-37, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-193, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.  
NO >> INSPECTION END

---

## 4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-41, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-193, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

# B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367596

### DTC B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors for both for frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367597

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1042 B1043 B1044 B1045 B1046 B1047	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-196. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367598

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1049, B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1049, B1054 DRIVER AIRBAG MODULE

### Description

INFOID:000000003367599

### DTC B1049, B1054 [OPEN] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

### DTC Logic

INFOID:000000003367600

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open (including the spiral cable)	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and open</li><li>• Internal breakdown in driver air bag module</li><li>• Internal breakdown in spiral cable</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-198. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1049, B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

## 2. CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367601

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3. CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal	Ground	Continuity
M350	10 11		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-28. "Removal and Installation"](#).

### 4. CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

# B1050, B1055 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1050, B1055 DRIVER AIRBAG MODULE

### Description

INFOID:000000003367602

### DTC B1050, B1055 [VB-SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

### DTC Logic

INFOID:000000003367603

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to some power supply circuit (including the spiral cable)	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in driver air bag module</li><li>• Internal breakdown in spiral cable</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-200. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1050, B1055 DRIVER AIRBAG MODULE

[FOR MEXICO]

## < COMPONENT DIAGNOSIS >

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367604

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

#### 3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal	Ground	Continuity
M350	10 11		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-28. "Exploded View"](#).

#### 4.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.



# B1051, B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1051, B1056 DRIVER AIRBAG MODULE

### Description

INFOID:000000003367605

### DTC B1051, B1056 [GND-SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

### DTC Logic

INFOID:000000003367606

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in driver air bag module</li><li>• Internal breakdown in spiral cable</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-202. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1051, B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

## 2. CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367607

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3. CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal	Ground	Continuity
M350	10 11		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-28. "Exploded View"](#).

### 4. CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

# B1052, B1057 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1052, B1057 DRIVER AIRBAG MODULE

### Description

INFOID:000000003367608

### DTC B1052, B1057 [SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

### DTC Logic

INFOID:000000003367609

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in driver air bag module</li><li>• Internal breakdown in spiral cable</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-204, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1052, B1057 DRIVER AIRBAG MODULE

[FOR MEXICO]

## < COMPONENT DIAGNOSIS >

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367610

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

#### 3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal	Ground	Continuity
M350	10 11		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-28. "Exploded View"](#).

#### 4.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

# B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367611

### DTC B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367612

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1058 B1059 B1060 B1061 B1062 B1063	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-206. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367613

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

**B1065, B1070 ASSIST A/B MODULE**

**Description**

INFOID:000000003367614

**DTC B1065, B1070 [OPEN] ASSIST A/B MODULE**

For front passenger air bag module, crash is judged by main “G” sensor output signal and Safing algorithm in front direction.

**OPERATION**

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

**STRUCTURE**

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

**INSTALLATION**

Front passenger air bag module is installed on the instrument panel with fixed bolts.

**DTC Logic**

INFOID:000000003367615

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

**SRC**

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1065 B1070	ASSIST A/B MODULE [OPEN]	Front passenger air bag module circuit is open	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and open</li> <li>• Internal breakdown in front passenger air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)**

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-208, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367616

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

#### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

---

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

#### 3.CHECK FRONT PASSENGER AIR BAG MODULE

---

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).



**B1066, B1071 ASSIST A/B MODULE**

**Description**

INFOID:000000003367617

**DTC B1066, B1071 [VB-SHORT] ASSIST A/B MODULE**

For front passenger air bag module, crash is judged by main “G” sensor output signal and Safing algorithm in front direction.

**OPERATION**

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

**STRUCTURE**

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

**INSTALLATION**

Front passenger air bag module is installed on the instrument panel with fixed bolts.

**DTC Logic**

INFOID:000000003367618

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

**SRC**

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Front passenger air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front passenger air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)**

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-210, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367619

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

#### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

---

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

#### 3.CHECK FRONT PASSENGER AIR BAG MODULE

---

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1067, B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1067, B1072 ASSIST A/B MODULE

### Description

INFOID:000000003367620

### DTC B1067, B1072 [GND-SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

### DTC Logic

INFOID:000000003367621

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Front passenger air bag module circuit is shorted to ground	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in front passenger air bag module</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-212, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1067, B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367622

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

## 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

## 3.CHECK FRONT PASSENGER AIR BAG MODULE

---

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

**B1068, B1073 ASSIST A/B MODULE**

**Description**

INFOID:000000003367623

**DTC B1068, B1073 [SHORT] ASSIST A/B MODULE**

For front passenger air bag module, crash is judged by main “G” sensor output signal and Safing algorithm in front direction.

**OPERATION**

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

**STRUCTURE**

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

**INSTALLATION**

Front passenger air bag module is installed on the instrument panel with fixed bolts.

**DTC Logic**

INFOID:000000003367624

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

**SRC**

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1068 B1073	ASSIST A/B MODULE [SHORT]	Front passenger air bag module circuits are shorted to each other	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front passenger air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)**

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-214, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367625

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

#### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

---

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

#### 3.CHECK FRONT PASSENGER AIR BAG MODULE

---

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367626

### DTC B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367627

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1074 B1075 B1076 B1077 B1078 B1079	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-216. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367628

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).



# B1080, B1096 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1080, B1096 DRIVER AIRBAG MODULE

### Description

INFOID:000000004185606

For driver air bag module, crash is judged by main "G" sensor output signal and safing algorithm in front direction.

### OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Driver air bag module mainly consists of air bag and inflator that inflates air bag.

### INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

### DTC Logic

INFOID:000000004185607

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Malfunction in driver air bag module</li><li>• Malfunction in spiral cable</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul>

A  
B  
C  
D  
E  
F  
G  
SRC

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-177, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-217, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185608

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

I  
J  
K  
L  
M  
N  
O  
P

# B1080, B1096 DRIVER AIRBAG MODULE

[FOR MEXICO]

## < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

### 3. CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver air bag module harness connector and Combination switch (Spiral cable) harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M302	10	M35	28	Existed
	11		30	
M301	12		29	
	9		30	

4. Check continuity between driver air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal		Continuity
M302	10	Ground	Not existed
	11		
M301	12		
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-28, "Exploded View"](#).

### 4. REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-217, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

### 5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-41, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-217, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

**B1081 PRE-TEN FRONT RH**

**Description**

INFOID:000000003367629

**DTC B1081 [OPEN] PRE-TEN FRONT RH**

For front RH seat belt pre-tensioner, crash is judged by main “G” sensor output signal and Safing algorithm in front direction.

**OPERATION**

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

**STRUCTURE**

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

**INSTALLATION**

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

**DTC Logic**

INFOID:000000003367630

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1081	PRE-TEN FRONT RH [OPEN]	Front RH seat belt pre-tensioner circuit is open	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and open</li> <li>• Internal breakdown in front RH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)**

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-220. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

**SRC**

< COMPONENT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367631

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1082 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1082 PRE-TEN FRONT RH

### Description

INFOID:000000003367632

### DTC B1082 [VB-SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367633

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1082	PRE-TEN FRONT RH [VB-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> <li>Disconnection of wiring harness and short</li> <li>Internal breakdown in front RH seat belt pre-tensioner</li> <li>Internal breakdown in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-222. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

< COMPONENT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367634

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

**B1083 PRE-TEN FRONT RH**

**Description**

INFOID:000000003367635

**DTC B1083 [GND-SHORT] PRE-TEN FRONT RH**

For front RH seat belt pre-tensioner, crash is judged by main “G” sensor output signal and Safing algorithm in front direction.

**OPERATION**

In case of frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

**STRUCTURE**

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

**INSTALLATION**

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

**DTC Logic**

INFOID:000000003367636

**DTC DETECTION LOGIC**

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

**SRC**

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1083	PRE-TEN FRONT RH [GND-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to ground	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front RH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

**DTC CONFIRMATION PROCEDURE (With CONSULT-III)**

**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

**2.CHECK SELF-DIAG RESULT**

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-224. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

**DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

**1.INSPECTION START**

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367637

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).



B1084 PRE-TEN FRONT RH

Description

INFOID:000000003367638

DTC B1084 [SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000003367639

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1084	PRE-TEN FRONT RH [SHORT]	Front RH seat belt pre-tensioner circuit are shorted to each other	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front RH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to SRC-226. "Diagnosis Procedure".
- NO >> INSPECTION END.

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367640

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1086 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1086 PRE-TEN FRONT LH

### Description

INFOID:000000003367641

### DTC B1086 [OPEN] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367642

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1086	PRE-TEN FRONT LH [OPEN]	Front LH seat belt pre-tensioner circuit is open	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and open</li> <li>• Internal breakdown in front LH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-228. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

< COMPONENT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367643

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1087 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1087 PRE-TEN FRONT LH

### Description

INFOID:000000003367644

### DTC B1087 [VB-SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367645

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1087	PRE-TEN FRONT LH [VB-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> <li>Disconnection of wiring harness and short</li> <li>Internal breakdown in front LH seat belt pre-tensioner</li> <li>Internal breakdown in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-230. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

< COMPONENT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367646

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1088 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1088 PRE-TEN FRONT LH

### Description

INFOID:000000003367647

### DTC B1088 [GND-SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367648

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1088	PRE-TEN FRONT LH [GND-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to ground	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front LH seat belt pre-tensioner</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-232. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

< COMPONENT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367649

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).



# B1089 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1089 PRE-TEN FRONT LH

### Description

INFOID:000000003367650

### DTC B1089 [SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

### STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

### INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367651

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1089	PRE-TEN FRONT LH [SHORT]	Front LH seat belt pre-tensioner circuit are shorted to each other	<ul style="list-style-type: none"> <li>Disconnection of wiring harness and short</li> <li>Internal breakdown in front LH seat belt pre-tensioner</li> <li>Internal breakdown in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-234. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

< COMPONENT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367652

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000004185614

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000004185615

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1090 B1091 B1092 B1093	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match the vehicle specification</li></ul>

A

B

C

D

E

F

G

SRC

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-177, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-235, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185616

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

I

J

K

L

M

N

O

P

## B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

---

NO >> Replace wiring harness.

### 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-41, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-235, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367653

### DTC B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367654

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1106 B1107 B1108 B1109 B1110 B1111	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-238, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367655

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1113, B1114 SATELLITE SENS RH

### Description

INFOID:000000003367656

### DTC B1113, B1114 [UNIT FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

### OPERATION

When ACU define the both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

### STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

### INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367657

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	RH satellite sensor is out of order	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Internal breakdown in RH satellite sensor</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-240, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367658

With CONSULT-III

#### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SATELLITE SENSOR

---

1. Replace RH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).



# B1115, B1116 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1115, B1116 SATELLITE SENS RH

### Description

INFOID:000000003367659

### DTC B1115, B1116 [COMM FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

### OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

### STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

### INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000003367660

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1115 B1116	SATELLITE SENS RH [COMM FAIL] [UNMATCH]	RH satellite sensor is out of order	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Internal breakdown in RH satellite sensor</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-242, "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367661

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SATELLITE SENSOR

---

1. Replace RH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

B1118, B1119 SATELLITE SENS LH

Description

INFOID:000000003367662

DTC B1118, B1119 [UNIT FAIL] SATELLITE SENS LH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000003367663

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	LH satellite sensor is out of order	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness</li> <li>• Internal breakdown in LH satellite sensor</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-244, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367664

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

#### 3.CHECK SATELLITE SENSOR

---

1. Replace LH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

B1120, B1121 SATELLITE SENS LH

Description

INFOID:000000003367665

DTC B1120, B1121 [COMM FAIL] SATELLITE SENS LH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000003367666

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1120	SATELLITE SENS LH [COMM FAIL] [UNMATCH]	LH satellite sensor is out of order	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness</li> <li>• Internal breakdown in LH satellite sensor</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>
B1121			

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-246, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).
- NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367667

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

#### 3.CHECK SATELLITE SENSOR

---

1. Replace LH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367668

### DTC B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367669

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1122 B1123 B1124 B1125 B1126 B1127	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-248. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367670

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).



B1129 SIDE MODULE RH

Description

INFOID:000000003367671

DTC B1129 [OPEN] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seat back with fixed nuts.

DTC Logic

INFOID:000000003367672

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1129	SIDE MODULE RH [OPEN]	Front RH side air bag module circuit is open	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and open</li> <li>• Internal breakdown in front RH side air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-250, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367673

With CONSULT-III

#### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

### DIAGNOSTIC PROCEDURE

---

#### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

---

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

#### 3.CHECK FRONT SIDE AIR BAG MODULE

---

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

B1130 SIDE MODULE RH

Description

INFOID:000000003367674

DTC B1130 [VB-SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side: LH satellite sensor, right side: RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000003367675

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)



DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1130	SIDE MODULE RH [VB-SHORT]	Front RH side air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front RH side air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-252, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367676

With CONSULT-III

#### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

### DIAGNOSTIC PROCEDURE

---

## 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

## 3.CHECK FRONT SIDE AIR BAG MODULE

---

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

B1131 SIDE MODULE RH

Description

INFOID:000000003367677

DTC B1131 [GND-SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000003367678

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1131	SIDE MODULE RH [GND-SHORT]	Front RH side air bag module circuit is shorted to ground	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front RH side air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-254, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367679

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

#### 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

---

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

#### 3.CHECK FRONT SIDE AIR BAG MODULE

---

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

B1132 SIDE MODULE RH

Description

INFOID:000000003367680

DTC B1132 [SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000003367681

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1132	SIDE MODULE RH [SHORT]	Front RH side air bag module circuit are shorted to each other	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front RH side air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-256, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367682

With CONSULT-III

#### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

### DIAGNOSTIC PROCEDURE

---

## 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

## 3.CHECK FRONT SIDE AIR BAG MODULE

---

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).



# B1134 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1134 SIDE MODULE LH

### Description

INFOID:000000003367683

### DTC B1134 [OPEN] SIDE MODULE LH

For front LH side air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

### OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

### DTC Logic

INFOID:000000003367684

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1134	SIDE MODULE LH [OPEN]	Front LH side air bag module circuit is open	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and open</li><li>• Internal breakdown in front LH side air bag module</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-258, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

&lt; COMPONENT DIAGNOSIS &gt;

**2.CHECK AIR BAG WARNING LAMP**

Check the air bag warning lamp status.

Is malfunctioning part detected?YES >> Refer to warning lamp flash code chart.[SRC-305](#).NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367685

With CONSULT-III

**WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

**1.CHECK HARNESS CONNECTOR**

Check the connection of harness connector.

Is the inspection result normal?

YES &gt;&gt; GO TO 2.

NO &gt;&gt; Repair or replace harness connector.

**2.CHECK WIRING HARNESS**

Check the wiring harness externals.

Is the inspection result normal?

YES &gt;&gt; GO TO 3.

NO &gt;&gt; Repair or replace wiring harness.

**3.CHECK FRONT SIDE AIR BAG MODULE**

1. Replace front LH side air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

B1135 SIDE MODULE LH

Description

INFOID:000000003367686

DTC B1135 [VB-SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000003367687

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1135	SIDE MODULE LH [VB-SHORT]	Front LH side air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front LH side air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-260, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

&lt; COMPONENT DIAGNOSIS &gt;

**2.CHECK AIR BAG WARNING LAMP**

Check the air bag warning lamp status.

Is malfunctioning part detected?YES >> Refer to warning lamp flash code chart.[SRC-305](#).NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367688

With CONSULT-III

**WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

**1.CHECK HARNESS CONNECTOR**

Check the connection of harness connector.

Is the inspection result normal?

YES &gt;&gt; GO TO 2.

NO &gt;&gt; Repair or replace harness connector.

**2.CHECK WIRING HARNESS**

Check the wiring harness externals.

Is the inspection result normal?

YES &gt;&gt; GO TO 3.

NO &gt;&gt; Repair or replace wiring harness.

**3.CHECK FRONT SIDE AIR BAG MODULE**

1. Replace front LH side air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

B1136 SIDE MODULE LH

Description

INFOID:000000003367689

DTC B1136 [GND-SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000003367690

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1136	SIDE MODULE LH [GND-SHORT]	Front LH side air bag module circuit is shorted to ground	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front LH side air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-262, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367691

With CONSULT-III

#### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

### DIAGNOSTIC PROCEDURE

---

## 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

## 3.CHECK FRONT SIDE AIR BAG MODULE

---

1. Replace front LH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

B1137 SIDE MODULE LH

Description

INFOID:000000003367692

DTC B1137 [SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000003367693

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1137	SIDE MODULE LH [SHORT]	Front LH side air bag module circuit are shorted to each other	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in front LH side air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-264, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

&lt; COMPONENT DIAGNOSIS &gt;

**2.CHECK AIR BAG WARNING LAMP**

Check the air bag warning lamp status.

Is malfunctioning part detected?YES >> Refer to warning lamp flash code chart.[SRC-305](#).NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367694

With CONSULT-III

**WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use un specified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

**1.CHECK HARNESS CONNECTOR**

Check the connection of harness connector.

Is the inspection result normal?

YES &gt;&gt; GO TO 2.

NO &gt;&gt; Repair or replace harness connector.

**2.CHECK WIRING HARNESS**

Check the wiring harness externals.

Is the inspection result normal?

YES &gt;&gt; GO TO 3.

NO &gt;&gt; Repair or replace wiring harness.

**3.CHECK FRONT SIDE AIR BAG MODULE**

1. Replace front LH side air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).



# B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367695

### DTC B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367696

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1138 B1139 B1140 B1141 B1142 B1143	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-266. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

# B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367697

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1144 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1144 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000004185619

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000004185620

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1144	Diagnosis sensor unit	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match the vehicle specification</li></ul>

A  
B  
C  
D  
E  
F  
G  
SRC

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-177, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-267, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185621

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

I  
J  
K  
L  
M  
N  
O  
P

## B1144 DIAGNOSIS SENSOR UNIT

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

---

NO >> Replace wiring harness.

### 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-41, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-267, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1145 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1145 CURTAIN MODULE RH

### Description

INFOID:000000003367698

### DTC B1145 [OPEN] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367699

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1145	CURTAIN MODULE RH [OPEN]	RH side curtain air bag module circuit is open	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and open</li><li>• Internal breakdown in RH side curtain air bag module</li><li>• Replace air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-270, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

< COMPONENT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).
- NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367700

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

## 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

---

## 3.CHECK SIDE CURTAIN AIR BAG MODULE

---

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1146 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1146 CURTAIN MODULE RH

### Description

INFOID:000000003367701

### DTC B1146 [VB-SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367702

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1146	CURTAIN MODULE RH [VB-SHORT]	RH side curtain air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in RH side curtain air bag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-272, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

< COMPONENT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367703

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

## 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

## 3.CHECK SIDE CURTAIN AIR BAG MODULE

---

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).



# B1147 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1147 CURTAIN MODULE RH

### Description

INFOID:000000003367704

### DTC B1147 [GND-SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367705

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1147	CURTAIN MODULE RH [GND-SHORT]	RH side curtain air bag module circuit is shorted to ground	<ul style="list-style-type: none"> <li>Disconnection of wiring harness and short</li> <li>Internal breakdown in RH side curtain air bag module</li> <li>Replace air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-274, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).
- NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367706

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

## 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

---

## 3.CHECK SIDE CURTAIN AIR BAG MODULE

---

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1148 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1148 CURTAIN MODULE RH

### Description

INFOID:000000003367707

### DTC B1148 [SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367708

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1148	CURTAIN MODULE RH [SHORT]	RH side curtain air bag module circuit are shorted to each other	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in RH side curtain air bag module</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-276, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367709

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

## 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

## 3.CHECK SIDE CURTAIN AIR BAG MODULE

---

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1150 CURTAIN MODULE LH

### Description

INFOID:000000003367710

### DTC B1150 [OPEN] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367711

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1150	CURTAIN MODULE LH [OPEN]	LH side curtain air bag module circuit is open	<ul style="list-style-type: none"> <li>Disconnection of wiring harness and open</li> <li>Internal breakdown in LH side curtain air bag module</li> <li>Internal breakdown in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-278, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

# B1150 CURTAIN MODULE LH

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367712

With CONSULT-III

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1151 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1151 CURTAIN MODULE LH

### Description

INFOID:000000003367713

### DTC B1151 [VB-SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367714

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1151	CURTAIN MODULE LH [VB-SHORT]	LH side curtain air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in LH side curtain air bag module</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-280, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

< COMPONENT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-305](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367715

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

---

## 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

---

## 3.CHECK SIDE CURTAIN AIR BAG MODULE

---

1. Replace LH side curtain air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).



# B1152 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1152 CURTAIN MODULE LH

### Description

INFOID:000000003367716

### DTC B1152 [GND-SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367717

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1152	CURTAIN MODULE LH [GND-SHORT]	LH side curtain air bag module circuit is shorted to ground	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Internal breakdown in LH side curtain airbag module</li> <li>• Internal breakdown in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-282, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-305](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367718

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

#### 3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1153 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1153 CURTAIN MODULE LH

### Description

INFOID:000000003367719

### DTC B1153 [SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

### OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

### STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

### INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

### DTC Logic

INFOID:000000003367720

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1153	CURTAIN MODULE LH [SHORT]	LH side curtain air bag module circuit are shorted to each other	<ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Internal breakdown in LH side curtain air bag module</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-284, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

< COMPONENT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-305](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367721

With CONSULT-III

#### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

### DIAGNOSTIC PROCEDURE

---

## 1.CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness connector.

---

## 2.CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace wiring harness.

---

## 3.CHECK SIDE CURTAIN AIR BAG MODULE

---

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1154, B1155, B1156, B1157 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1154, B1155, B1156, B1157 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000004185622

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000004185623

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1154 B1155 B1156 B1157	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match the vehicle specification</li></ul>

A  
B  
C  
D  
E  
F

SRC

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-177, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-285, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185624

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

G  
I  
J  
K  
L  
M  
N  
O  
P

## B1154, B1155, B1156, B1157 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

---

NO >> Replace wiring harness.

### 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-41, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-285, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1170, B1171, B1172, B1173 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1170, B1171, B1172, B1173 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000004185625

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000004185626

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1170 B1171 B1172 B1173	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match the vehicle specification</li></ul>

A

B

C

D

E

F

G

SRC

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-177, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-287, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185627

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

## B1170, B1171, B1172, B1173 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

---

NO >> Replace wiring harness.

### 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-41, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-287, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END



# B1186, B1187, B1188, B1189 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1186, B1187, B1188, B1189 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000004185628

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000004185629

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1186 B1187 B1188 B1189	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match the vehicle specification</li></ul>

A  
B  
C  
D  
E  
F  
G  
SRC

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-177, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-289, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185630

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

I  
J  
K  
L  
M  
N  
O  
P

## B1186, B1187, B1188, B1189 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

---

NO >> Replace wiring harness.

### 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-41, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-289, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000003367749

### DTC B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

### OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and front passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000003367750

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1202 B1203 B1204 B1205 B1206 B1207	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-292. "Diagnosis Procedure"](#).  
NO >> **INSPECTION END.**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

#### 1.INSPECTION START

Turn ignition switch ON.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-305](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000003367751

With CONSULT-III

### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1209 FRONTAL COLLISION DETECTION

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1209 FRONTAL COLLISION DETECTION

### Description

INFOID:000000003367752

### DTC B1209 FRONTAL COLLISION DETECTION

When detect a component damage resulting from a front collision, blinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

### OPERATION

The air bags and seat belt pre-tensioners for driver and front passenger are operated by the decision of the air bag diagnosis sensor unit out signal transmitted because of the frontal collision.

### STRUCTURE

It consists of crash zone sensor, air bag diagnosis sensor unit, air bags and seat belt pre-tensioners for driver and front passenger.

### INSTALLATION

Refer to [SR-25, "Removal and Installation"](#), [SR-31, "Removal and Installation"](#), [SB-5, "SEAT BELT RETRAC-TOR : Removal and Installation"](#), [SR-37, "Removal and Installation"](#), [SR-41, "Removal and Installation"](#).

### DTC Logic

INFOID:000000003367753

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1209	FRONTAL COLLISION DETECTION	Front seat belt pre-tensioner, front air bag is deployed	—

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-293, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367754

With CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK FRONT AIR BAG MODULE

Check front air bag module. (driver air bag module and/or front passenger air bag module.)

# B1209 FRONTAL COLLISION DETECTION

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

Is the front air bag module deployed?

YES >> Replace front air bag module. Refer to [SR-25, "Removal and Installation"](#) or [SR-31, "Removal and Installation"](#).

NO >> GO TO 2.

## 2.CHECK FRONT SEAT BELT PRE-TENSIONER

Check front seat belt pre-tensioner.

Is the front seat belt pre-tensioner activated?

YES >> Replace front seat belt pre-tensioner. Refer to [SB-5, "SEAT BELT RETRACTOR : Removal and Installation"](#).

NO >> GO TO 3.

## 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Check air bag diagnosis sensor unit.

Is the front air bag module and/or front seat belt pre-tensioner activated?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-41, "Removal and Installation"](#).

NO >> GO TO 4.

## 4.CHECK STEERING WHEEL

Check steering wheel.

Is the steering wheel normal?

YES >> GO TO 5.

NO >> Replace steering wheel.

## 5.CHECK SPIRAL CABLE

1. Check the continuity of spiral cable. Refer to [SRC-198, "Diagnosis Procedure"](#).

2. Operate the steering wheel to check excessive heavy operation force, abnormal noise or damage.

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace spiral cable. Refer to [SR-28, "Removal and Installation"](#).

## 6.CHECK WIRING HARNESS/HARNESS CONNECTOR

Check wiring harness/harness connector.

Is the wiring harness/harness connector normal?

YES >> GO TO 7.

NO >> Repair or replace wiring harness/harness connector.

## 7.FINAL CHECK

Check the screen of CONSULT-III and/or Air bag warning lamp status.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1210 SIDE COLLISION DETECTION

### Description

INFOID:000000003367755

### DTC B1210 SIDE COLLISION DETECTION

When detect a component damage resulting from a side collision, brinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

### OPERATION

The front side air bag and side curtain air bag are operated by the decision of the air bag diagnosis sensor unit signal of the side collision.

### STRUCTURE

It consists of satellite sensor, air bag diagnosis sensor unit, front side air bag and side curtain air bag.

### INSTALLATION

Refer to [SR-35. "Removal and Installation"](#), [SR-33. "Removal and Installation"](#), [SR-35. "Removal and Installation"](#).

### DTC Logic

INFOID:000000003367756

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1210	SIDE COLLISION DETECTION	Front side air bag, side curtain air bag is deployed	—

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-295. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003367757

With CONSULT-III

#### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor)**
- **Do not use unspecified tester or other measuring device.**

### DIAGNOSTIC PROCEDURE

#### 1.CHECK FRONT SIDE AIR BAG MODULE

Check front side air bag module.

Is the front side air bag module deployed?

YES >> Replace front side air bag module.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

**SRC**

# B1210 SIDE COLLISION DETECTION

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

---

NO >> GO TO 2.

## 2.CHECK SIDE CURTAIN AIR BAG MODULE

---

Check side curtain air bag module.

Is the side curtain air bag module deployed?

YES >> Replace side curtain air bag module. Refer to [SR-35, "Removal and Installation"](#).

NO >> GO TO 3.

## 3.CHECK SATELLITE SENSOR

---

Check satellite sensor.

Is the front side air bag module and/or side curtain air bag module deployed?

YES >> Replace satellite sensor. Refer to [SR-39, "Removal and Installation"](#).

NO >> GO TO 4.

## 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

---

Check air bag diagnosis sensor unit.

Is the front side air bag module and/or side curtain air bag module deployed?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-41, "Removal and Installation"](#).

NO >> GO TO 5.

## 5.FINAL CHECK

---

Check the screen of CONSULT-III and/or Air bag warning lamp status.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).



# B1211 ROLLOVER DETECTION

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1211 ROLLOVER DETECTION

### Description

INFOID:000000003470285

### DTC B1211 ROLLOVER DETECTION

When detect a component damage resulting from a rollover, brinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

### OPERATION

The front seat belt pre-tensioner and side curtain air bag are operated by the decision of the air bag diagnosis sensor unit signal of the rollover.

### STRUCTURE

It consists of front seat belt pre-tensioner, side curtain air bag and air bag diagnosis sensor unit.

### INSTALLATION

Refer to [SR-35. "Removal and Installation"](#), [SR-33. "Removal and Installation"](#) and [SR-39. "Removal and Installation"](#).

### DTC Logic

INFOID:000000003470286

### DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1211	ROLLOVER DETECTION	Front seat belt pre-tensioner, side curtain air bag module are deployed because of rollover detection	—

### DTC CONFIRMATION PROCEDURE (With CONSULT-III)

#### 1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

#### 2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-297. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000003470287

With CONSULT-III

#### **WARNING:**

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor)**
- **Do not use unspecified tester or other measuring device.**

### DIAGNOSTIC PROCEDURE

#### 1.CHECK FRONT SEAT BELT PRE-TENSIONER

Check for front seat belt pre-tensioner.

Is the front seat belt pre-tensioner deployed?

## B1211 ROLLOVER DETECTION

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

---

- YES >> Replace front seat belt pre-tensioner. Refer to [SR-21, "Removal and Installation"](#).  
NO >> GO TO 2.

### 2.CHECK SIDE CURTAIN AIR BAG MODULE

---

Check for side curtain air bag module.

Is the side curtain air bag module deployed?

- YES >> Replace side curtain air bag module. Refer to [SR-13, "Removal and Installation"](#).  
NO >> GO TO 3.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

---

Check for air bag diagnosis sensor unit.

Is the front seat belt pre-tensioner and/or side curtain air bag module deployed?

- YES >> Replace air bag diagnosis sensor unit. Refer to [SR-19, "Removal and Installation"](#).  
NO >> GO TO 4.

### 4.FINAL CHECK

---

Check the screen of CONSULT-III and/or Air bag warning lamp status.

Is the inspection result normal?

- YES >> **INSPECTION END.**  
NO >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

# B1212, B1213, B1214 RH1 SAT-SENS

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1212, B1213, B1214 RH1 SAT-SENS

### Description

INFOID:000000004185632

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

### OPERATION

When air bag diagnosis sensor unit judges both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

### STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

### INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000004185633

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1212 B1213 B1214	RH1 SAT-SENS	RH satellite sensor is malfunctioning	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in RH satellite sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-177. "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-299. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185634

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Replace wiring harness.

## B1212, B1213, B1214 RH1 SAT-SENS

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

---

### 3.REPLACE SATELLITE SENSOR

---

1. Replace RH satellite sensor. Refer to [SR-39, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-299, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.  
NO >> INSPECTION END

---

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-41, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-299, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

# B1215, B1216, B1217 LH1 SAT-SENS

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1215, B1216, B1217 LH1 SAT-SENS

### Description

INFOID:000000004185635

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

### OPERATION

When air bag diagnosis sensor unit judges both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

### STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

### INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

### DTC Logic

INFOID:000000004185636

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1215 B1216 B1217	LH1 SAT-SENS	LH satellite sensor is malfunctioning	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in LH satellite sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-177, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-301, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185637

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Replace wiring harness.

## B1215, B1216, B1217 LH1 SAT-SENS

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

---

### 3.REPLACE SATELLITE SENSOR

---

1. Replace LH satellite sensor. Refer to [SR-39, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-301, "DTC Logic"](#)

Is DTC detected?

- YES >> GO TO 4.  
NO >> INSPECTION END

---

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-41, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-301, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

# B1218, B1219 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

## B1218, B1219 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000004185638

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

### INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

### DTC Logic

INFOID:000000004185639

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1218 B1219	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match the vehicle specification</li></ul>

A  
B  
C  
D  
E  
F  
G  
SRC

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-177, "Diagnosis Description"](#).

#### NOTE:

SRS does not enter diagnosis mode if no malfunction is detected in user mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000004185640

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

I  
J  
K  
L  
M  
N  
O  
P

## B1218, B1219 DIAGNOSIS SENSOR UNIT

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

---

NO >> Replace wiring harness.

### 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-41, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-303, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END



# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

## ECU DIAGNOSIS

### DIAGNOSIS SENSOR UNIT

#### DTC Index

INFOID:000000003367758

#### DTC No. Index (With CONSULT-III)

(“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

#### NOTE:

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

Diagnostic item	Explanation	Repair order “Recheck SRS at each replacement”
NO DTC IS DETECTED.	Malfunction is indicated by the “AIR BAG” warning lamp in User mode <ul style="list-style-type: none"> <li>• Low battery voltage (Less than 9 V)</li> <li>• Self-diagnosis result “SELF-DIAG [PAST]” (previously stored in the memory) might not be erased after repair</li> <li>• Intermittent malfunction has been detected in the past</li> </ul>	Go to <a href="#">SRC-177, "Diagnosis Description"</a>
	<ul style="list-style-type: none"> <li>• No malfunction is detected</li> </ul>	—
CONTROL UNIT [B1001-B1015] [B1026-B1031]	<ul style="list-style-type: none"> <li>• Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit
CRASH ZONE SEN [UNIT FAIL] [B1033] [B1034] CRASH ZONE SEN [COMM FAIL] [B1035] [UNMATCH] [B1036]  [OPEN/UPR-VB-SHORT] [B1038]  [SHORT/UPR-GND-SHORT] [B1040]	<ul style="list-style-type: none"> <li>• Crash zone sensor is out of order</li> </ul>	1. Repair or replace wiring harness/harness connector 2. Replace crash zone sensor 3. Replace air bag diagnosis sensor unit
CRASH ZONE SEN1 [B1037] [B1039] [B1041]	Crash zone sensor is malfunctioning	1. Repair or replace wiring harness/harness connector 2. Replace crash zone sensor 3. Replace air bag diagnosis sensor unit
CONTROL UNIT [B1042-B1047]	<ul style="list-style-type: none"> <li>• Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# DIAGNOSIS SENSOR UNIT

[FOR MEXICO]

## < ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
DRIVER AIRBAG MODULE [OPEN] [B1049] [B1054]	<ul style="list-style-type: none"> <li>Driver air bag module circuit is open (including the spiral cable)</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace driver air bag module</li> <li>Replace spiral cable. Refer to <a href="#">SRC-198, "Diagnosis Procedure"</a>.</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
DRIVER AIRBAG MODULE [VB-SHORT] [B1050] [B1055]	<ul style="list-style-type: none"> <li>Driver air bag module circuit is shorted to some power supply circuit (including the spiral cable)</li> </ul>	
DRIVER AIRBAG MODULE [GND-SHORT] [B1051] [B1056]	<ul style="list-style-type: none"> <li>Driver air bag module circuit is shorted to ground (including the spiral cable)</li> </ul>	
DRIVER AIRBAG MODULE [SHORT] [B1052] [B1057]	<ul style="list-style-type: none"> <li>Driver air bag module circuits are shorted to each other (including spiral cable)</li> </ul>	
CONTROL UNIT [B1058-B1063]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit
ASSIST A/B MODULE [OPEN] [B1065] [B1070]	<ul style="list-style-type: none"> <li>Front passenger air bag module circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace front passenger air bag module</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
ASSIST A/B MODULE [VB-SHORT] [B1066] [B1071]	<ul style="list-style-type: none"> <li>Front passenger air bag module circuit is shorted to some power supply circuit</li> </ul>	
ASSIST A/B MODULE [GND-SHORT] [B1067] [B1072]	<ul style="list-style-type: none"> <li>Front passenger air bag module circuit is shorted to ground</li> </ul>	
ASSIST A/B MODULE [SHORT] [B1068] [B1073]	<ul style="list-style-type: none"> <li>Front passenger air bag module circuits are shorted to each other</li> </ul>	
CONTROL UNIT [B1074-B1079]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit
DRIVER AIRBAG MODULE [SHORT] [B1080] [B1096]	<ul style="list-style-type: none"> <li>Driver air bag module circuits are shorted to each other (including spiral cable)</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace driver air bag module</li> <li>Replace spiral cable. Refer to <a href="#">SRC-217, "Diagnosis Procedure"</a>.</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
PRE-TEN FRONT RH [OPEN] [B1081]	<ul style="list-style-type: none"> <li>Front RH seat belt pre-tensioner circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace front RH seat belt pre-tensioner</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
PRE-TEN FRONT RH [VB-SHORT] [B1082]	<ul style="list-style-type: none"> <li>Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit</li> </ul>	
PRE-TEN FRONT RH [GND-SHORT] [B1083]	<ul style="list-style-type: none"> <li>Front RH seat belt pre-tensioner circuit is shorted to ground</li> </ul>	
PRE-TEN FRONT RH [SHORT] [B1084]	<ul style="list-style-type: none"> <li>Front RH seat belt pre-tensioner circuits are shorted to each other</li> </ul>	

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	A
PRE-TEN FRONT LH [OPEN] [B1086]	• Front LH seat belt pre-tensioner circuit is open	1. Repair or replace wiring harness/ harness connector 2. Replace front LH seat belt pre- tensioner 3. Replace air bag diagnosis sensor unit	A
PRE-TEN FRONT LH [VB-SHORT] [B1087]	• Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit		B
PRE-TEN FRONT LH [GND-SHORT] [B1088]	• Front LH seat belt pre-tensioner circuit is shorted to ground		C
PRE-TEN FRONT LH [SHORT] [B1089]	• Front LH seat belt pre-tensioner circuits are shorted to each other		D
CONTROL UNIT [B1090-B1093]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit	E
CONTROL UNIT [B1106-B1111]	• Air bag diagnosis sensor unit is out of order or mis-match	Replace air bag diagnosis sensor unit	F
SATELLITE SENS RH [UNIT FAIL] [B1113] [B1114] SATELLITE SENS RH [COMM FAIL] [B1115] [UNMATCH] [B1116]	• RH satellite sensor is out of order	1. Repair or replace wiring harness/ harness connector 2. Replace RH satellite sensor 3. Replace air bag diagnosis sensor unit	G
SATELLITE SENS LH [UNIT FAIL] [B1118] [B1119] SATELLITE SENS LH [COMM FAIL] [B1120] [UNMATCH] [B1121]	• LH satellite sensor is out of order		J
CONTROL UNIT [B1122-B1127]	• Air bag diagnosis sensor unit is out of order or mis-match	Replace air bag diagnosis sensor unit	L
SIDE MODULE RH [OPEN] [B1129]	• Front RH side air bag module circuit is open	1. Repair or replace wiring harness/ harness connector 2. Replace front RH side air bag module 3. Replace air bag diagnosis sensor unit	M
SIDE MODULE RH [VB-SHORT] [B1130]	• Front RH side air bag module circuit is shorted to some power supply circuit		N
SIDE MODULE RH [GND-SHORT] [B1131]	• Front RH side air bag module circuit is shorted to ground		O
SIDE MODULE RH [SHORT] [B1132]	• Front RH side air bag module circuits are shorted to each other		P

SRC

# DIAGNOSIS SENSOR UNIT

**[FOR MEXICO]**

**< ECU DIAGNOSIS >**

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
SIDE MODULE LH [OPEN] [B1134]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace front LH side air bag module</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
SIDE MODULE LH [VB-SHORT] [B1135]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuit is shorted to some power supply circuit</li> </ul>	
SIDE MODULE LH [GND-SHORT] [B1136]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuit is shorted to ground</li> </ul>	
SIDE MODULE LH [SHORT] [B1137]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuits are shorted to each other</li> </ul>	
CONTROL UNIT [B1138-B1143]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit
CONTROL UNIT [B1144]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit
CURTAIN MODULE RH [OPEN] [B1145]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace RH side curtain air bag module</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
CURTAIN MODULE RH [VB-SHORT] [B1146]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is shorted to some power supply circuit</li> </ul>	
CURTAIN MODULE RH [GND-SHORT] [B1147]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is shorted to ground</li> </ul>	
CURTAIN MODULE RH [SHORT] [B1148]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuits are shorted to each other</li> </ul>	
CURTAIN MODULE LH [OPEN] [B1150]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace LH side curtain air bag module</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
CURTAIN MODULE LH [VB-SHORT] [B1151]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuit is shorted to some power supply circuits</li> </ul>	
CURTAIN MODULE LH [GND-SHORT] [B1152]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuit is shorted to ground</li> </ul>	
CURTAIN MODULE LH [SHORT] [B1153]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuits are shorted to each other</li> </ul>	
CONTROL UNIT [B1154-B1157]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit
CONTROL UNIT [B1170-B1173]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit
CONTROL UNIT [B1186-B1189]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit
CONTROL UNIT [B1202-B1207]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
FRONTAL COLLISION DETECTION [B1209]	<ul style="list-style-type: none"> <li>Seat belt pre-tensioner and front air bags is deployed</li> </ul>	Go to <a href="#">SRC-293, "Diagnosis Procedure"</a>
SIDE COLLISION DETECTION [B1210]	<ul style="list-style-type: none"> <li>Front side air bag and curtain air bag is deployed</li> </ul>	Go to <a href="#">SRC-295, "Diagnosis Procedure"</a>
ROLLOVER DETECTION [B1211]	<ul style="list-style-type: none"> <li>Front seat belt pre-tensioner, side curtain air bag are deployed because of rollover detection</li> </ul>	Go to <a href="#">SRC-297, "Diagnosis Procedure"</a>
RH1 SAT-SENS [B1212] [B1213] [B1214]	RH satellite sensor is malfunctioning	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace RH satellite sensor</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
LH1 SAT-SENS [B1215] [B1216] [B1217]	LH satellite sensor is malfunctioning	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector</li> <li>Replace LH satellite sensor</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
CONTROL UNIT [B1218] [B1219]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit

## WARNING LAMP FLASH CODE CHART (Without CONSULT-III)

### NOTE:

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

<Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past.>

Flash pattern	Repair order
<p>a through b are repeated.</p> <p>IGN ON</p>	<ol style="list-style-type: none"> <li>Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)</li> </ol>

PHIA0532E

<Air bag diagnosis sensor unit>

Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: Seven flashes indicate malfunctioning air bag diagnosis sensor unit circuit.</p>	<ol style="list-style-type: none"> <li>Replace the air bag diagnosis sensor unit.</li> </ol>

JMHA0523GB

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

<Crash zone sensor>	
<p><b>Flash pattern</b></p> <p>a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit.</p>	<p><b>Repair order</b></p> <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the crash zone sensor.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>
JMHIA0526GB	

<Driver air bag module>	
<p><b>Flash pattern</b></p> <p>a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuit.</p>	<p><b>Repair order</b></p> <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the driver air bag module.</li> <li>4. Replace the spiral cable.</li> <li>5. Replace the air bag diagnosis sensor unit.</li> </ol>
JMHIA0527GB	

<Front passenger air bag module>	
<p><b>Flash pattern</b></p> <p>a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p>	<p><b>Repair order</b></p> <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front passenger air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>
JMHIA0528GB	

<Front RH seat belt pre-tensioner>	
<p><b>Flash pattern</b></p> <p>a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p>	<p><b>Repair order</b></p> <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH seat belt assembly.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>
JMHIA0529GB	

<Front LH seat belt pre-tensioner>	
<p><b>Flash pattern</b></p> <p>a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p>	<p><b>Repair order</b></p> <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH seat belt assembly.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>
JMHIA0530GB	

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

<RH satellite sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Three flashes indicate malfunctioning RH satellite sensor circuit.</p> <p style="text-align: center;">3 flashes</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH satellite sensor.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0531GB

<LH satellite sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Four flashes indicate malfunctioning LH satellite sensor.</p> <p style="text-align: center;">4 flashes</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH satellite sensor.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0532GB

<Front RH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: One flash indicates malfunctioning front RH side air bag module circuit.</p> <p style="text-align: center;">1 flash</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH side air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0533GB

<Front LH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p> <p style="text-align: center;">2 flashes</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH side air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0534GB

<RH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p> <p style="text-align: center;">5 flashes</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH side curtain air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0535GB

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

<LH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side curtain air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0536GB

<Air bag diagnosis sensor unit>	
Flash pattern	Repair order
<p>a through d are repeated. d: Seventeen flashes indicate mis-installation of air bag diagnosis sensor unit.</p>	<ol style="list-style-type: none"> <li>1. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0537GB

## Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —

INFOID:000000004769433

**NOTE:**

- Type A: Up to VIN: JN8AZ18U\*9W100000, JN8AZ18W\*9W200000 (EXCEPT FOR MEXICO), JN8AZ18U\*9W710000, JN8AZ18W\*9W810000 (FOR MEXICO)
- Type B: From VIN: JN8AZ18U\*9W100001, JN8AZ18W\*9W200001 (EXCEPT FOR MEXICO), JN8AZ18U\*9W710001, JN8AZ18W\*9W810001 (FOR MEXICO)

Type A: Up to VIN: JN8AZ18U\*9W100000, JN8AZ18W\*9W200000 (EXCEPT FOR MEXICO),



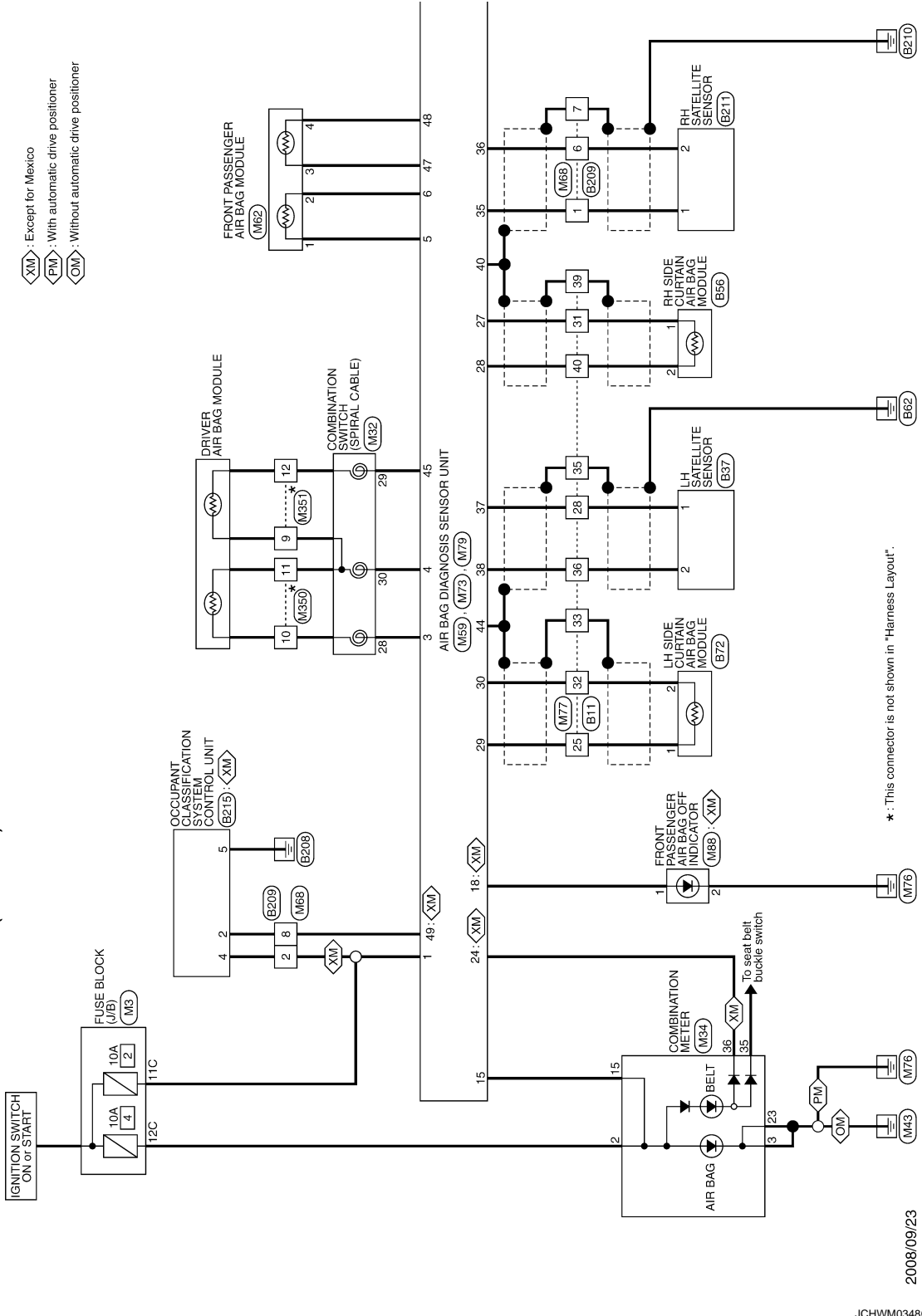
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

JN8AZ18U\*9W710000, JN8AZ18W\*9W810000 (FOR MEXICO)

## SRS AIR BAG CONTROL SYSTEM (TYPE A)



XM: Except for Mexico  
 PM: With automatic drive positioner  
 OM: Without automatic drive positioner

\* This connector is not shown in "Harness Layout".

2008/09/23

JCHWM0348GI

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC



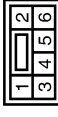
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

## SRS AIR BAG CONTROL SYSTEM (TYPE A)

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS36FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	GR	-
6	B/W	-

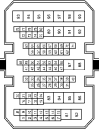
Connector No.	B18
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TKQ2FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	SB	-

37	LG	-
38	SHIELD	-
40	Y	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH30MW-CS.9



Terminal No.	Color of Wire	Signal Name [Specification]
24	GR	-
25	Y	-
27	V	-
28	W/L	-
30	P	-
31	O	-
32	BR	-
33	SHIELD	-
34	SB	-
35	SHIELD	-
36	L/O	-

Connector No.	B56
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACAQ2FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	Y	-

Connector No.	B37
Connector Name	LH SATELLITE SENSOR
Connector Type	HKQ2FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	W/L	-
2	L/O	-

Connector No.	B36
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACAQ2FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	LG	-

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
6	GR	-
16	B/W	-

A  
B  
C  
D  
E  
F  
G  
SRC  
I  
J  
K  
L  
M  
N  
O  
P

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

## SRS AIR BAG CONTROL SYSTEM (TYPE A)

Connector No.	B212
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-IV



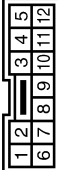
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	P	

Connector No.	B211
Connector Name	RH SATELLITE SENSOR
Connector Type	HK02FY-IV-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	G	

Connector No.	B209
Connector Name	WIRE TO WIRE
Connector Type	TK12MG-Y-BD



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	W	
3	L	
4	BR	
5	Y	
6	G	
7	SHIELD	
8	LG	
9	P	
11	SB	

Connector No.	B72
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



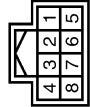
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	BR	

Connector No.	B409
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	AG3MW-P



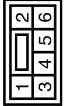
Terminal No.	Color of Wire	Signal Name [Specification]
15	W/G	
16	GR	

Connector No.	B215
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	COMMUNICATION
4	W	IGN
5	B	GND

Connector No.	B214
Connector Name	WIRE TO WIRE
Connector Type	NS06FY-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	
6	B/W	

Connector No.	B213
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	SB	

JCHWM0351GI

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

## SRS AIR BAG CONTROL SYSTEM (TYPE A)

Connector No.	B411	Connector No.	B431	Connector No.	B437	Connector No.	B449
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)	Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	NS08MW-CS	Connector Type	NS08MW-CS	Connector Type	NS08MW-P	Connector Type	NS08MW-P

Terminal No.	3	Terminal No.	7	Terminal No.	40
Color of Wire	W/G	Color of Wire	W/G	Color of Wire	W/G
	GR		GR		GR
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	

Terminal No.	6	Terminal No.	8	Terminal No.	41
Color of Wire	GR	Color of Wire	GR	Color of Wire	GR
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	

Connector No.	B460	Connector No.	E77	Connector No.	E105	Connector No.	E311
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS	Connector Type	RK03MB	Connector Type	TH70MW-CS10-M3	Connector Type	RK03FB-BD

Terminal No.	3	Terminal No.	1	Terminal No.	56	Terminal No.	1
Color of Wire	W/G	Color of Wire	L/O	Color of Wire	W/L	Color of Wire	W
	GR		SHIELD		L/O		SHIELD
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	

Terminal No.	6	Terminal No.	2	Terminal No.	63	Terminal No.	2
Color of Wire	GR	Color of Wire	SHIELD	Color of Wire	L/O	Color of Wire	SHIELD
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	

JCHWM0352GI

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC


# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

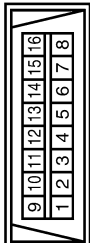
## SRS AIR BAG CONTROL SYSTEM (TYPE A)

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH70FW-CS(D)-M3




Terminal No.	Color of Wire	Signal Name [Specification]
56	SB	-
63	V	-
64	SHIELD	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW




Terminal No.	Color of Wire	Signal Name [Specification]
6	L	-
14	P	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS




Terminal No.	Color of Wire	Signal Name [Specification]
11C	R	-
12C	O	-

Connector No.	E313
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02FY-1V-EX



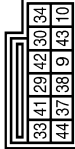
Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	W	-

Connector No.	M62
Connector Name	FRONT PASSENGER AIR BAG MODULE (TYPE A)
Connector Type	RK04FY-BD




Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	Y	-
4	Y	-

Connector No.	M59
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-2V-EX




Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	ELR LH+
10	Y	ELR LH-
29	Y	INF CURTAIN LH+
30	BR	INF CURTAIN LH-
33	Y	SIDE INF LH+
34	Y	SIDE INF LH-
37	R	SIDE SENS LH+
38	G	SIDE SENS LH-
41	SB	BUCKLE SW LH
44	SHIELD	GND

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	O	IGN
3	B	GROUND
15	BR	AIR BAG
23	B	GROUND
35	SB	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
36	R	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
28	Y	-
29	Y	-
30	Y	-

JCHWM0353GI

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

## SRS AIR BAG CONTROL SYSTEM (TYPE A)

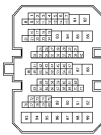
Connector No.	M6B
Connector Name	WIRE TO WIRE
Connector Type	TK12FG-Y



5	4	3	2	1
12	11	10	9	8
7	6			

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	Y	-
4	L	-
5	Y	-
6	G	-
7	SHIELD	-
8	V	-
9	Y	-
11	Y	-

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS19



Terminal No.	Color of Wire	Signal Name [Specification]
24	SB	-
25	Y	-
27	Y	-
28	R	-
30	Y	-
31	W	-
32	BR	-
33	SHIELD	-
34	Y	-
35	SHIELD	-
36	G	-

Connector No.	M73
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-SC



20	21	17	24	49	1
22	11	46	48	47	45
16	12	19	15	14	51
					23
					50
					18
					52
					2

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DRI+
4	Y	INFLATOR DRI-SDR2-
5	Y	INFLATOR ASI+
6	Y	INFLATOR ASI-
11	SB	ECZS+
12	V	ECZS-
15	BR	A/B W/L
16	SHIELD	GND
18	V	A/B CUTOFF TELLTALE

37	Y	-
39	SHIELD	-
40	O	-

21	L	CAN HI
24	R	SEATBELT W/L
46	Y	INFLATOR DR2+
48	P	CAN LO
47	Y	INFLATOR AS2+
48	Y	INFLATOR AS2-
49	V	ODE INPUT

Connector No.	M79
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-1V-EX



32	28	26	27	25	31
8	39	7	36	35	40

Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	ELR RH+
8	Y	ELR RH-
25	L	BUCKLE SW RH
27	W	INF CURTAIN RH+
28	O	INF CURTAIN RH-
31	Y	SIDE INF RH+
32	Y	SIDE INF RH-
35	R	SIDE SENS RH+
36	G	SIDE SENS RH-
40	SHIELD	GND

Connector No.	M88
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TK03FW



1	2	3
---	---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	B	-

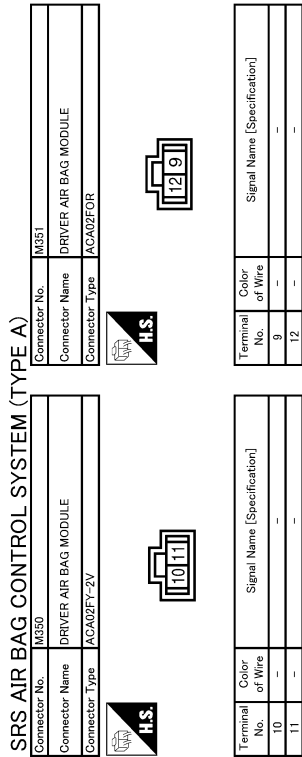
A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]



JCHWM0355G1

Type B: From VIN: JN8AZ18U\*9W100001, JN8AZ18W\*9W200001 (EXCEPT FOR MEXICO),



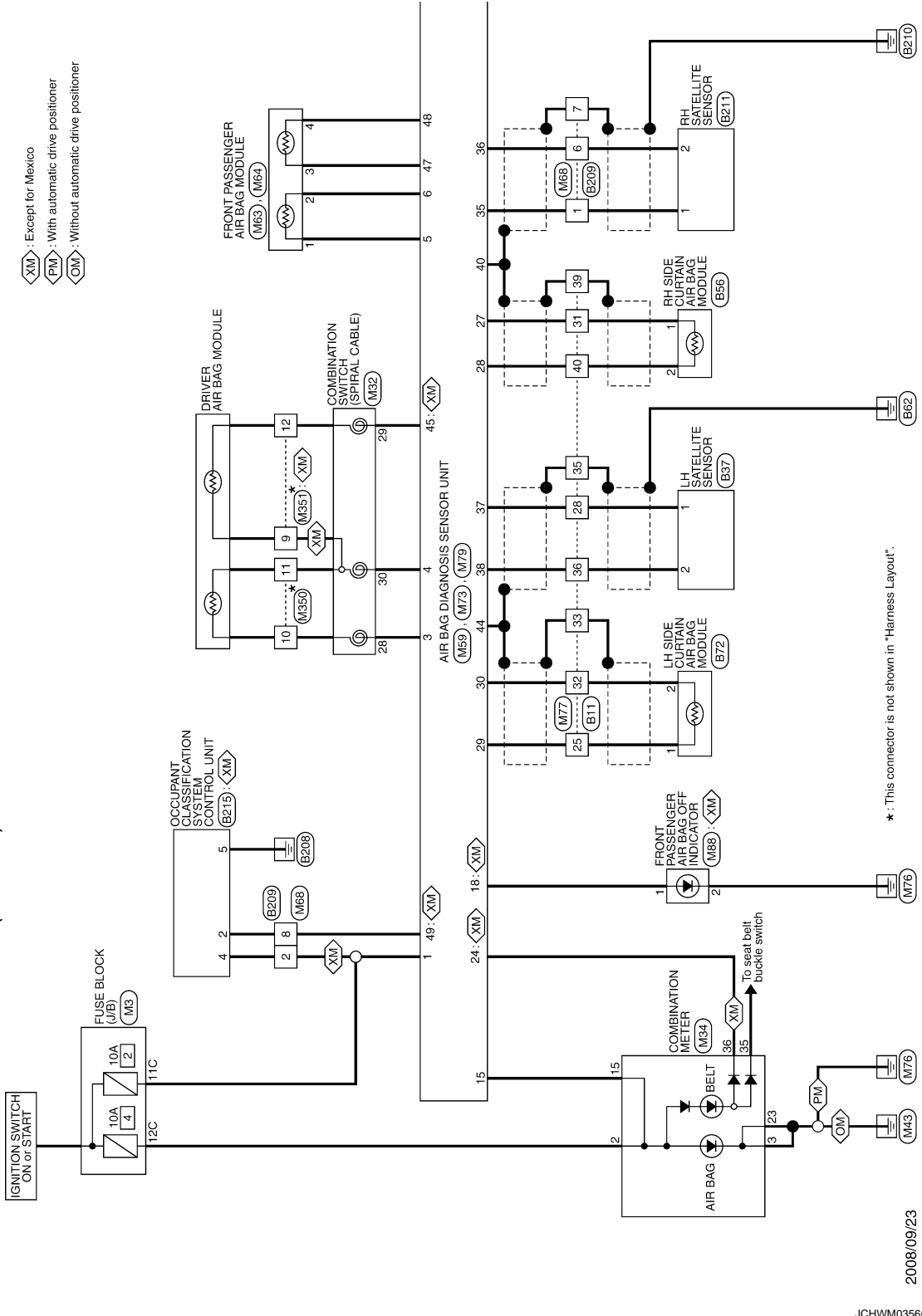
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

JN8AZ18U\*9W710001, JN8AZ18W\*9W810001 (FOR MEXICO)

## SRS AIR BAG CONTROL SYSTEM (TYPE B)



2008/09/23

JCHWM0356GI

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC



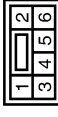
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

## SRS AIR BAG CONTROL SYSTEM (TYPE B)

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS36FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	GR	-
6	B/W	-

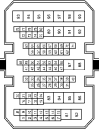
Connector No.	B18
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TKQ2FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	SB	-

37	LG	-
38	SHIELD	-
40	Y	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	THB0MW-CS.9



Terminal No.	Color of Wire	Signal Name [Specification]
24	GR	-
25	Y	-
27	V	-
28	W/L	-
30	P	-
31	O	-
32	BR	-
33	SHIELD	-
34	SB	-
35	SHIELD	-
36	L/O	-

Connector No.	B56
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACAQ2FY-2V



Connector No.	B37
Connector Name	LH SATELLITE SENSOR
Connector Type	HKQ2FY-1V-EX



Connector No.	B36
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACAQ2FY-2V



Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	Y	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	W/L	-
2	L/O	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	LG	-

Terminal No.	Color of Wire	Signal Name [Specification]
6	GR	-
16	B/W	-

A  
B  
C  
D  
E  
F  
G  
SRC  
I  
J  
K  
L  
M  
N  
O  
P

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

## SRS AIR BAG CONTROL SYSTEM (TYPE B)

Connector No.	B212
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-IV



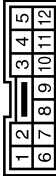
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	P	

Connector No.	B211
Connector Name	RH SATELLITE SENSOR
Connector Type	HK02FY-IV-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	G	

Connector No.	B209
Connector Name	WIRE TO WIRE
Connector Type	TK12MG-Y-BD



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	W	
3	L	
4	BR	
5	Y	
6	G	
7	SHIELD	
8	LG	
9	P	
11	SB	

Connector No.	B72
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



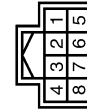
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	BR	

Connector No.	B409
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	AG3MW-P



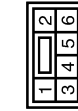
Terminal No.	Color of Wire	Signal Name [Specification]
15	W/G	
16	GR	

Connector No.	B215
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	COMMUNICATION
4	W	IGN
5	B	GND

Connector No.	B214
Connector Name	WIRE TO WIRE
Connector Type	NS06FY-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	
6	B/W	

Connector No.	B213
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	SB	

JCHWM0359GI

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

## SRS AIR BAG CONTROL SYSTEM (TYPE B)

Connector No.	B411	Connector No.	B431	Connector No.	B437	Connector No.	B449
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)	Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	NS08MW-CS	Connector Type	NS08MW-CS	Connector Type	NS08MW-P	Connector Type	NS08MW-P

Terminal No.	3	6	Terminal No.	7	8	Terminal No.	40	41
Color of Wire	W/G	GR	Color of Wire	W/G	GR	Color of Wire	W/G	GR
Signal Name [Specification]	-	-	Signal Name [Specification]	-	-	Signal Name [Specification]	-	-

Terminal No.	3	6	Terminal No.	7	8	Terminal No.	40	41
Color of Wire	W/G	GR	Color of Wire	W/G	GR	Color of Wire	W/G	GR
Signal Name [Specification]	-	-	Signal Name [Specification]	-	-	Signal Name [Specification]	-	-

Terminal No.	3	6	Terminal No.	7	8	Terminal No.	40	41
Color of Wire	W/G	GR	Color of Wire	W/G	GR	Color of Wire	W/G	GR
Signal Name [Specification]	-	-	Signal Name [Specification]	-	-	Signal Name [Specification]	-	-

Terminal No.	3	6	Terminal No.	7	8	Terminal No.	40	41
Color of Wire	W/G	GR	Color of Wire	W/G	GR	Color of Wire	W/G	GR
Signal Name [Specification]	-	-	Signal Name [Specification]	-	-	Signal Name [Specification]	-	-

Connector No.	E77	Connector No.	E105	Connector No.	E311
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	RK03MB	Connector Type	TH70MW-CS10-M3	Connector Type	RK03FB-BD

Terminal No.	1	2	3	Terminal No.	56	63	64
Color of Wire	L/O	SHIELD	W/L	Color of Wire	W	SHIELD	O
Signal Name [Specification]	-	-	-	Signal Name [Specification]	-	-	-

Terminal No.	1	2	3	Terminal No.	56	63	64
Color of Wire	L/O	SHIELD	W/L	Color of Wire	W	SHIELD	O
Signal Name [Specification]	-	-	-	Signal Name [Specification]	-	-	-

Terminal No.	1	2	3	Terminal No.	56	63	64
Color of Wire	L/O	SHIELD	W/L	Color of Wire	W	SHIELD	O
Signal Name [Specification]	-	-	-	Signal Name [Specification]	-	-	-

Terminal No.	1	2	3	Terminal No.	56	63	64
Color of Wire	L/O	SHIELD	W/L	Color of Wire	W	SHIELD	O
Signal Name [Specification]	-	-	-	Signal Name [Specification]	-	-	-

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC

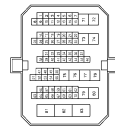
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

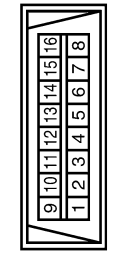
## SRS AIR BAG CONTROL SYSTEM (TYPE B)

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH70FW-CS(D)-M3



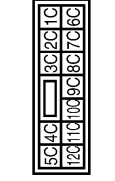
Terminal No.	Color of Wire	Signal Name [Specification]
56	SB	-
63	V	-
64	SHIELD	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
6	L	-
14	P	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
11C	R	-
12C	O	-

Connector No.	E313
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02FY-1V-EX



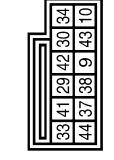
Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	W	-

Connector No.	M63
Connector Name	FRONT PASSENGER AIR BAG MODULE (TYPE B)
Connector Type	JCA02FB



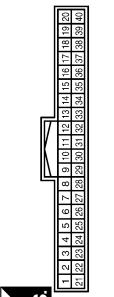
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	M59
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK2FY-2V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	ELR LH+
10	Y	ELR LH-
29	Y	INF CURTAIN LH+
30	BR	INF CURTAIN LH-
33	Y	SIDE INF LH+
34	Y	SIDE INF LH-
37	R	SIDE SENS LH+
38	G	SIDE SENS LH-
41	SB	BUCKLE SW LH
44	SHIELD	GND

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	O	IGN
3	B	GROUND
15	BR	AIR BAG
23	B	GROUND
35	SB	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
36	R	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
28	Y	-
29	Y	-
30	Y	-

JCHWM0361G1

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

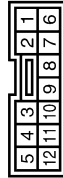
## SRS AIR BAG CONTROL SYSTEM (TYPE B)

Connector No.	M64
Connector Name	FRONT PASSENGER AIR BAG MODULE (TYPE B)
Connector Type	UCAGFOR



Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-
4	Y	-

Connector No.	M68
Connector Name	WIRE TO WIRE
Connector Type	TK12FG-Y



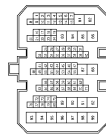
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	Y	-
4	L	-
5	Y	-
6	G	-
7	SHIELD	-
8	V	-
9	Y	-
11	Y	-

Connector No.	M73
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DRI+
4	Y	INFLATOR DRI-&DR2-
5	Y	INFLATOR ASI+
6	Y	INFLATOR ASI-
11	SB	ECZS+
12	V	ECZS-
15	BR	A/B W/L
16	SHIELD	GND
18	V	A/B CUTOFF TELLTALE

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS19



Terminal No.	Color of Wire	Signal Name [Specification]
24	SB	-
25	Y	-
27	Y	-
28	R	-
30	Y	-
31	W	-
32	BR	-
33	SHIELD	-
34	Y	-
35	SHIELD	-
36	G	-

Connector No.	M79
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	ELR RH+
8	Y	ELR RH-
25	L	BUCKLE SW RH
27	W	INF CURTAIN RH+
28	O	INF CURTAIN RH-
31	Y	SIDE INF RH+
32	Y	SIDE INF RH-
35	R	SIDE SENS RH+
36	G	SIDE SENS RH-
40	SHIELD	GND

21	L	CAN HI
24	R	SEATBELT W/L
45	Y	INFLATOR DR2+
46	P	CAN LO
47	Y	INFLATOR AS2+
48	Y	INFLATOR AS2-
49	V	ODS INPUT

Connector No.	M88
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TK03FW

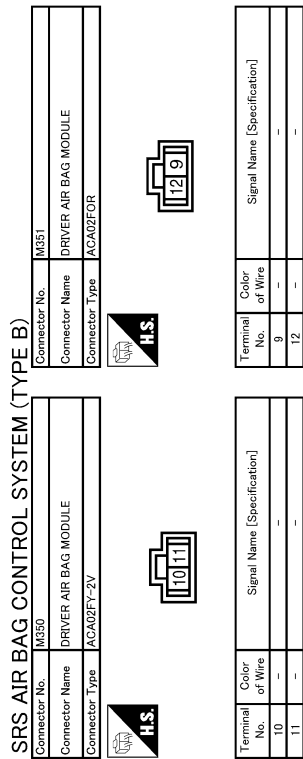


Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	B	-

JCHWM0362G1

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P

SRC



JCHWM0363GI



# SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

[FOR MEXICO]

## SYMPTOM DIAGNOSIS

### SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

#### Diagnosis Procedure

INFOID:000000003367760

#### 1. CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to [SRC-293, "Diagnosis Procedure"](#) or [SRC-295, "Diagnosis Procedure"](#).

NO >> GO TO 2.

#### 2. CHECK AIR BAG FUSE

Check the air bag fuse. Refer to [PG-102, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.2, located in fuse block (J/B)] normal?

YES >> GO TO 4.

NO >> GO TO 3.

#### 3. CHECK AIR BAG FUSE AGAIN

Replace air bag fuse and turn ignition switch ON.

Did the air bag fuse blow again?

YES >> Repair or replace main harness.

NO >> **INSPECTION END**

#### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace air bag diagnosis sensor unit. Refer to [SR-41, "Removal and Installation"](#).

#### 5. CHECK HARNESS CONNECTION

Check harness connection between air bag warning lamp and air bag diagnosis sensor unit.

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

NO >> Replace wiring harness connector.

A  
B  
C  
D  
E  
F  
G  
I  
J  
K  
L  
M  
N  
O  
P

SRC

# SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

[FOR MEXICO]

---

## SRS AIR BAG WARNING LAMP DOES NOT TURN ON

### Diagnosis Procedure

INFOID:000000003367761

#### 1.CHECK METER FUSE

---

Check the meter fuse. Refer to [PG-102, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.4, located in fuse block (J/B)] normal?

YES >> GO TO 3.

NO >> GO TO 2.

#### 2.CHECK METER FUSE AGAIN

---

Replace 10A fuse [No.4, located in fuse block (J/B)] and turn ignition switch ON.

Did the meter fuse blow again?

YES >> Repair or replace the related harness.

NO >> **INSPECTION END**

#### 3.CHECK HARNESS CONNECTION

---

1. Check harness connection between air bag diagnosis sensor unit and combination meter.

2. Disconnect air bag diagnosis sensor unit connector and turn ignition switch ON.

Did air bag warning lamp turn ON?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-41, "Removal and Installation"](#).

NO >> Replace combination meter assembly. Refer to [MWI-145, "Removal and Installation"](#).

PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000003663377

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIRBAG" and "SEAT BELT" of this Service Manual.

**WARNING:**

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the "SRS AIRBAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

When working near the Airbag Diagnosis Sensor Unit or other Airbag System sensors while ignition switch is ON or engine is running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration may activate the sensor(s), deploy the airbag(s), possibly cause serious injury. When using air or electric power tools or hammers, always turn OFF ignition switch, disconnect the battery, and wait 3 minutes or more before performing any service.

Service

INFOID:00000000367763

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes.  
For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have elapsed.
- Diagnosis sensor unit must always be installed with their arrow marks "←" pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper functioning after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

A  
B  
C  
D  
E  
F  
G  
SRC  
I  
J  
K  
L  
M  
N  
O  
P