SECTION LAN SYSTEM

А

В

С

D

Ε

CONTENTS

CAN

PRECAUTIONS	
Precautions for Supplemental Restraint System	
(SRS) "AIR BAG" and "SEAT BELT PRE-TEN-	
SIONER" 3	
Precautions When Using CONSULT-II	
CHECK POINTS FOR USING CONSULT-II 3	
Precautions For Trouble Diagnosis	
CAN SYSTEM 3	
Precautions For Harness Repair 4	
CAN SYSTEM 4	
TROUBLE DIAGNOSES WORK FLOW5	
When Displaying CAN Communication System	
Errors5	
WHEN A MALFUNCTION IS DETECTED BY	
CAN COMMUNICATION SYSTEM 5	
WHEN A MALFUNCTION IS DETECTED	
EXCEPT CAN COMMUNICATION SYSTEM 5	
TROUBLE DIAGNOSIS FLOW CHART 6	
Diagnosis Procedure7	
SELECTING CAN SYSTEM TYPE (HOW TO	
USE SPECIFICATION TABLE)7	
ACQUISITION OF DATA BY CONSULT-II	
HOW TO USE CHECK SHEET TABLE	
CAN Diagnostic Support Monitor 16	
DESCRIPTION OF "CAN DIAG SUPPORT	
MNTR" SCREEN FOR ECM 16	
DESCRIPTION OF "CAN DIAG SUPPORT	
MNTR" SCREEN FOR TCM 17	
DESCRIPTION OF "CAN DIAG SUPPORT	
MNTR" SCREEN FOR DIFFERENTIAL LOCK	
CONTROL UNIT 17	
DESCRIPTION OF "CAN DIAG SUPPORT	
MNTR" SCREEN FOR DRIVER SEAT CON-	
18 IROL UNIT	
DESCRIPTION OF "CAN DIAG SUPPORT	
MNIR" SCREEN FOR BCM	
DESCRIPTION OF "CAN DIAG SUPPORT	
MINIR" SCREEN FOR FRONTAIR CONTROL. 20	
DESCRIPTION OF "CAN DIAG SUPPORT	

MNTR" SCREEN FOR TRANSFER CONTROL	F
UNIT21	
DESCRIPTION OF "CAN DIAG SUPPORT	
MNTR" SCREEN FOR ABS ACTUATOR AND	G
ELECTRIC UNIT (CONTROL UNIT)	
DESCRIPTION OF "CAN DIAG SUPPORT	Н
MNTR" SCREEN FOR DISPLAY CONTROL	
UNIT	
CAN COMMUNICATION25	
System Description25	
Component Parts and Harness Connector Location 25	
Schematic26	J
Wiring Diagram — CAN —27	
CAN Communication Unit	
TYPE 1	LAN
1 YPE 2/1 YPE 3/1 YPE 4	
11PE 5/11PE 6/11PE 7	
TYPE 13 // 17 // 10/117 // 11/117 // 12/	L
TYPE 14/TYPE 15/TYPE 16/TYPE 17 46	
CAN SYSTEM (TYPE 1)	
Component Parts and Harness Connector Location 51	M
Schematic51	
Wiring Diagram — CAN —51	
Check Sheet52	
CHECK SHEET RESULTS (EXAMPLE)54	
CAN SYSTEM (TYPE 2)65	
Component Parts and Harness Connector Location 65	
Schematic	
Winng Diagram — CAN —	
CAN SYSTEM (TYPE 3)	
Component Parts and Harness Connector Location, 79	
Schematic	
Wiring Diagram — CAN —79	
Check Sheet 80	
CHECK SHEET RESULTS (EXAMPLE)82	

CAN SYSTEM (TYPE 4)	. 95
Component Parts and Harness Connector Location.	. 95
Schematic	. 95
Wiring Diagram — CAN —	. 95
Check Sheet	. 96
CHECK SHEET RESULTS (EXAMPLE)	. 98
CAN SYSTEM (TYPE 5)	112
Component Parts and Harness Connector Location	112
Schematic	112
Wiring Diagram — CAN —	112
Check Sheet	113
CHECK SHEET RESULTS (EXAMPLE)	115
CAN SYSTEM (TYPE 6)	127
Component Parts and Harness Connector Location	127
Schematic	127
Wiring Diagram — CAN —	127
Check Sheet	128
CHECK SHEET RESULTS (EXAMPLE)	130
CAN SYSTEM (TYPE 7)	144
Component Parts and Harness Connector Location	144
Schematic	144
Wiring Diagram — CAN —	144
Check Sheet	145
	147
CAN SYSTEM (TYPE 8)	162
Component Parts and Harness Connector Location	162
Schematic	162
Wiring Diagram — CAN —	162
Check Sheet	163
	165
CAN SYSTEM (TYPE 0)	103 177
Component Parts and Harness Connector Location	177
Schematic	177
Wiring Diagram — CAN —	177
Check Sheet	170
	180
CAN SYSTEM (TYPE 10)	100
Component Parts and Harnoss Connector Location	104
Schomatic	104
Wiring Diagram — CAN —	10/
Check Sheet	105
	107
CAN SYSTEM (TYPE 11)	010 010
Component Parts and Harness Connector Location	212
Schematic	212
Wiring Diagram — CAN —	212 212
Chock Shoot	21Z
	210
CAN SYSTEM (TYPE 12)	210 220
Component Parts and Harness Connector Location	223
Schematic	-∠9 220
Wiring Diagram CAN	-23 220
Check Sheet	-∠9 220
	-00 222
CAN SALET KESULIS (EVAMIPLE)	203 2∕10
Component Ports and Hornoon Connector Lassier	2 49 ⊃⊿∩
	≤49 >40
	<u>4</u> 9

Wiring Diagram — CAN —	249
Check Sheet	250
CHECK SHEET RESULTS (EXAMPLE)	253
CAN SYSTEM (TYPE 14)	271
Component Parts and Harness Connector Locat	ion271
Schematic	271
Wiring Diagram — CAN —	271
Check Sheet	272
CHECK SHEET RESULTS (EXAMPLE)	274
CAN SYSTEM (TYPE 15)	289
Component Parts and Harness Connector Locat	ion289
Schematic	289
Wiring Diagram — CAN —	289
Check Sheet	290
CHECK SHEET RESULTS (EXAMPLE)	292
CAN SYSTEM (TYPE 16)	307
Component Parts and Harness Connector Locat	ion307
Schematic	307
Wiring Diagram — CAN —	307
Check Sheet	308
CHECK SHEET RESULTS (EXAMPLE)	310
CAN SYSTEM (TYPE 17)	326
Component Parts and Harness Connector Locat	ion326
Schematic	326
Wiring Diagram — CAN —	326
Check Sheet	327
CHECK SHEET RESULTS (EXAMPLE)	330
TROUBLE DIAGNOSIS FOR SYSTEM	349
Inspection Between TCM and Differential Lock C	on-
trol Unit Circuit	349
Inspection Between TCM and Driver Seat Cont	rol
Unit Circuit	350
Inspection Between TCM and Data Link Connec	tor
	351
Inspection Between Differential Lock Control U	Init
and Driver Seat Control Unit Circuit	353
Inspection Between Differential Lock Control U	Init
and Data Link Connector Circuit	353
Inspection Between Driver Seat Control Unit a	na
Data Link Connector Circuit	354
Actuator and Electric Unit (Control Unit) Circuit	BO BO
Actuator and Electric Unit (Control Unit) Circuit	250
ECM Circuit Inspection	300
Differential Lack Central Linit Circuit Inanastian	300
Differential Lock Control Unit Circuit Inspection	1357
Combination Mater Circuit Inspection	307 250
Display Control Unit Circuit Inspection	
PCM Circuit Inspection	
Data Link Connector Circuit Inspection	
Steering Angle Sensor Circuit Inspection	
Front Air Control Circuit Inspection	
Transfer Control Unit Circuit Inspection	
ABS Actuator and Electric Unit (Control Unit) Circ	
	262
IPDM F/R Circuit Inspection	262 262
CAN Communication Circuit Inspection	202 262
IPDM E/R Ignition Relay Circuit Inspection	

PRECAUTIONS

PRECAUTIONS PFP:00001 А Precautions for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT **BELT PRE-TENSIONER**" UKS001AE The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along В 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 and SB section of this Service Manual. D 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. Е 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 section. F Do not 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 CONSULT-II LIKS001AF When connecting CONSULT-II to data link connector, connect them through CONSULT-II CONVERTER. Н CAUTION: If CONSULT-II is used with no connection of CONSULT-II CONVERTER, malfunctions might be detected in self-diagnosis depending on control unit which carry out CAN communication. CHECK POINTS FOR USING CONSULT-II 1 Has CONSULT-II been used without connecting CONSULT-II CONVERTER on this vehicle? If YES, GO TO 2. J If NO, GO TO 5. 2 Is there any indication other than indications relating to CAN communication system in the self-diagnosis results? LAN If YES, GO TO 3. _ If NO, GO TO 4. 3. Based on self-diagnosis results unrelated to CAN communication, carry out the inspection. Malfunctions may be detected in self-diagnosis depending on control units carrying out CAN communica-4. tion. Therefore, erase the self-diagnosis results. Diagnose CAN communication system. Refer to LAN-5, "TROUBLE DIAGNOSES WORK FLOW" . Μ 5. Precautions For Trouble Diagnosis UKS001AG CAN SYSTEM Do not apply voltage of 7.0 V or higher to the measurement terminals. Use the tester with its open terminal voltage being 7.0 V or less. Be sure to turn ignition switch OFF and disconnect the battery cable from the negative terminal before checking the circuit.

line must be within 110 mm (4.33 in).]

CAN SYSTEM

•

Do not perform bypass wire connections for the repair parts. . (The spliced wire will become separated and the characteristics of twisted line will be lost.)





PRECAUTIONS

[CAN]

PKIA0307E

UKS001AH

TROUBLE DIAGNOSES WORK FLOW	PFP:00004	
When Displaying CAN Communication System Errors WHEN A MALFUNCTION IS DETECTED BY CAN COMMUNICATION SYSTEM	UKS004M5	A
CAN communication line is open. (CAN H, CAN L, or both)		В
 CAN communication line is shorted. (Ground, between CAN lines, or other harnesses) 		
 The areas related to CAN communication of unit is malfunctioning. 		
WHEN A MALFUNCTION IS DETECTED EXCEPT CAN COMMUNICATION SYSTEM		С
 Removal and installation of parts: When the units that perform CAN communication or the sense to CAN communication are removed and installed, malfunction may be detected (or DTC other communication may be detected). 	rs related than CAN	D
• Fuse blown out (removed): CAN communication of the unit may be stopped at such time.		
 Low voltage: If the voltage decreases because of battery discharge when IGN is ON, malfunction detected by self-diagnosis according to the units. 	n may be	Е
		F
		0
		G
		Н
		J
	J	
		LAI

TROUBLE DIAGNOSIS FLOW CHART

Depending on the control unit which performs CAN communication, "U1010" may be indicated as the result of self-diagnosis. Replace the control unit if "U1010" is indicated.



- Step 1: Refer to LAN-7, "SELECTING CAN SYSTEM TYPE (HOW TO USE SPECIFICATION TABLE)".
- Step 2: Refer to LAN-8, "ACQUISITION OF DATA BY CONSULT-II" .
- Step 3: Refer to LAN-9, "HOW TO USE CHECK SHEET TABLE" .
- Step 4: Refer to LAN-10, "Example of Filling in Check Sheet When Initial Conditions Are Reproduced" .
- Step 5: Refer to LAN-349, "TROUBLE DIAGNOSIS FOR SYSTEM".

[CAN]

UKS004M6

А

Diagnosis Procedure SELECTING CAN SYSTEM TYPE (HOW TO USE SPECIFICATION TABLE)

Determine CAN system type from the equipment of the vehicle to select applicable check sheet.

(Example) Truck	:/2W	D/V	K56	DE/	'AT/	VDC	C/Wi	thou	t Ele	ectro	onic	loc	king	rea	r dif	ferei	ntia	l/Wit	h automatic drive positioner/With navigation system	E
CAN Communi Go to CAN syst	cati em,	on l whe	Jnit en se	elec	ting	you	r C4	AN s	yste	em ty	/pe	fron	n the	e foll	owi	ng ta	ablı	e.		
Body type									Truck	(٦		(
Axle				2WE)							4	٧D					-		
Engine								v	K56[DE								- >	Check basic specification of the vehicle.	
Transmission									A/T											
Brake control	ABS		ABL	5	Ι	VDC	;			AE	LS				V	VDC		; _		
Electronic locking rear differential											×	×	×	×			×	-	 Select "×" if it is model with electronic locking rear differential. 	
Automatic drive positioner			×	×		×	×		×	×		×	×		×	×	×	-	 Select "x" if it is model with automatic drive positioner. 	
Navigation system				×			×			×			×			×	×	-	 Select " ×" if it is model with navigation system. 	
CAN system type	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	<u>_</u>		
CAN system trouble diagnosis		2.4) 2.3	ž	XX: 82.	XX XX	<u>.</u>	XX:	žž	55: 201	žž:	žži	XX: XX:	XX	S:	XX:	XX XX	*		Which number is selected when sequentially selecting from the top of the specification table? The number is "CAN system type" of the applicable	
× : Applicable																			vehicle.	
																			In the case of this example: It corresponds to type 7. PKIC3654E	

J

Н

I

LAN

L

Μ

ACQUISITION OF DATA BY CONSULT-II

Attach the data acquired by CONSULT-II on the check sheet determined according to CAN system type.(For display control unit, transfer the data from the display screen of the vehicle to the CAN diagnosis support monitor check sheet <u>AV-145</u>, "CAN Communication Line Check" .)



HOW TO USE CHECK SHEET TABLE



- "No indication": Put a check mark to it if the unit name described in step 1 is not displayed on "SELECT SYSTEM" screen of CONSULT-II. (Unit communicating with CONSULT-II via CAN communication line) "-": Column not used (Unit communicating with CONSULT-II excluding CAN communication line)
- 3. "NG": Display "NG" when malfunction is detected in the initial diagnosis of the diagnosed unit. Replace the unit if "NG" is displayed.
 - "-": Column not used (Initial diagnosis is not performed.)
- 4. "UNKWN": Display "UNKWN" when the diagnosed unit does not transmit the data normally. Put a check mark to it if "UNKWN" is displayed on CONSULT-II.
 - "--": Column not used (Transmit diagnosis is not performed.)
- 5. "UNKWN": Display "UNKWN" when the diagnosed unit does not receive the data normally. Put a check mark to it if "UNKWN" is displayed on CONSULT-II.
 - "-": Column not used (It is not necessary for CAN communication trouble diagnosis.)

NOTE:

CAN communication diagnosis checks if CAN communication works normally. (Contents of data are not diagnosed.)

- When the initial conditions are reproduced, refer to <u>LAN-10</u>, "Example of Filling in Check Sheet When Initial Conditions Are Reproduced".
- When the initial conditions are not reproduced, refer to <u>LAN-14</u>, "Example of Filling in Check Sheet When <u>Initial Conditions Are Not Reproduced</u>".

LAN

Μ

Н



Example of Filling in Check Sheet When Initial Conditions Are Reproduced

1. Put a check mark to "No indication" if some of unit names listed on the column of diagnosis system selection screen of a check sheet table are not displayed on "SELECT SYSTEM" screen attached to the check sheet.

NOTE:

Put a check mark to "No indication" of AUTO DRIVE POS. because AUTO DRIVE POS. is not displayed on "SELECT SYSTEM" screen.

2. Confirm the unit name that "UNKWN" is displayed from the copy of "CAN DIAG SUPPORT MNTR" screen of "ENGINE" attached to the check sheet, and then put a check mark to the check sheet table.

NOTE:

In "CAN DIAG SUPPORT MNTR" screen, "UNKWN" is displayed on "VDC/TCS/ABS", "METER/M&A", "BCM/SEC" and "IPDM E/R". Put a check mark to it.

3. Confirm the unit name that "UNKWN" is displayed on the copy of "CAN DIAG SUPPORT MNTR" screen of "A/T" as well as "ENGINE". And then, put a check mark to the check sheet table.

NOTE:

• For "A/T", "UNKWN" is displayed on "VDC/TCS/ABS", "METER/M&A", "ICC/e4WD" and "AWD/4WD". But put a check mark to "VDC/TCS/ABS" and "METER/M&A" because "UNKWN" is listed on the column of reception diagnosis of the check sheet table.



4. Display control unit reads the CAN diagnosis support monitor check sheet (B) <u>AV-145</u>, "CAN Communi-<u>cation Line Check"</u> transferred from the display screen (A). The transferred CAN diagnosis support monitor check sheet is copied to the Check sheet, and conversed according to the Display control unit Translation Sheet (C). And then put a check mark to the check sheet table.

NOTE:

In the CAN diagnosis support monitor check sheet (B), check marks are put to "CAN CIRC 3", "CAN CIRC 6", "CAN CIRC 8" and "CAN CIRC 9". But, in the column of the check sheet table indication in Display control unit Translation Sheet (C), "ECM" is listed only for "CAN CIRC 3". Therefore, put a check mark to "ECM" because "UNKWN" is listed on the column of reception diagnosis of the check sheet table.

L

M

LAN

J



5. Confirm the unit name that "UNKWN" is displayed on the copy of "CAN DIAG SUPPORT MNTR" screen of "BCM", "HVAC", "ABS" and "IPDM E/R" as well as "ENGINE". And then, put a check mark to the check sheet table.

NOTE:

- For "BCM", "UNKWN" is displayed on "ECM". Put a check mark to it.
- For "HVAC", "UNKWN" is displayed on "ECM". Put a check mark to it.
- For "ABS", "UNKWN" is displayed on "ECM", "TCM", "METER/M&A", "ICC" and "AWD/4WD". But put a check mark to "ECM" and "TCM" because "UNKWN" is listed on the column of reception diagnosis of the check sheet table.
- For "IPDM E/R", "UNKWN" is displayed on "ECM". Put a check mark to it.



NOTE:

There is a case that some of "CAN DIAG SUPPORT MNTR" and "SELF-DIAG RESULTS" are not needed for diagnosis. In the case, "UNKWN" and "CAN COMM CIRCUIT [U1000]" in "Check sheet results (example)" change to "-". Then, ignore check marks on the check sheet table.

- Perform system diagnosis for possible causes identified. 6.
- 7. Perform diagnosis again after inspection and repair. Make sure that repair is completely performed, and then end the procedure.

Start CAN system trouble diagnosis if this procedure can be confirmed. Refer to LAN-30, "CAN Communication Unit".

[CAN]

Μ

Example of Filling in Check Sheet When Initial Conditions Are Not Reproduced

	CELECT OVETER	Looroon	La Sel a L	.		U	AN DIAC	Rece	eive diag	nosis						
	36LEGT 3131Eh	screen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R	SELF-DIA		
	ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUT (U1000)	CAN COMMCIRCU (UN01)	П
	A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUT (UN 00)	r	
	AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUT (UN00)	-	
	Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	
	BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUT (U1000)	-	
	HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	
	ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUT (UN 00)	-	
	IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMMCIRCUT (UN00)		
														\checkmark		
SYSTEM	ENGINE		S	YSTEM	I A/T				SYSTE	EM A	JTO DF	RIVE PC	DS.		ВСМ	
SYSTEM	ENGINE	S	s	SEI	I A∕T _F-DIAC	G RESU	JLTS		SYSTE	EM A	JTO DF	RIVE PC	DS.	SYSTEM SEL	BCM	SULTS
SYSTEM SELF	ENGINE -DIAG RESULT	S	s L	SEI	LF-DIAC	G RESL	JLTS		SYSTE S DTC F	EM A	JTO DF AG RES	RIVE PC	DS.	SYSTEM SEL	BCM LF-DIAG RE	SULTS
SYSTEM SELF ITC RESI AN COV J1001]	ENGINE -DIAG RESULT JLTS M CIRCUIT	S TIME 1t	s c c t	SEL SEL STC RES SAN CO J1000]	LF-DIAC	à resu	ULTS		SYSTE S DTC F CAN C [U1000	EM A BELF-DI BESULT COMM (C D]	UTO DF AG RES S CIRCUIT	RIVE PC SULTS	DS.	SYSTEM SEL DTC RES NO DTC FURTHE MAY BE	BCM F-DIAG RE SULTS IS DETECT R TESTING REQUIRED.	SULTS TI ED.
SYSTEM SELF DTC RESI CAN COM U1001] SYSTEM	ENGINE DIAG RESULT JLTS M CIRCUIT HVAC	S TIME 1t		SEL SEL DTC RES CAN COL J1000]	I A/T _F-DIAC SULTS MM CIF	à resu Reuit	JLTS		SYSTE S DTC F CAN C [U1000 SYSTE	EM A ELF-DI ESULT OMM ()]	JTO DF AG RES S SIRCUIT	RIVE PC SULTS T	DS.	SYSTEM SEL DTC RES NO DTC FURTHER MAY BE	BCM F-DIAG RE SULTS IS DETECT REQUIRED.	SULTS TI ED.
SYSTEM SELF DTC RESI CAN COM U1001] SYSTEM SELF	ENGINE - DIAG RESULT JLTS M CIRCUIT HVAC - DIAG RESULT	S TIME 1t S		SEL STC RES CAN COL J1000] SYSTEM	I A/T LF-DIAC SULTS MM CIF	G RESU	JLTS		SYSTE STC FR CAN C [U1000 SYSTE S	EM A EELF-DI COMM (COMM (COM	UTO DF AG RES S CIRCUIT	RIVE PC SULTS T T SULTS	DS.	SYSTEM SEL DTC RES NO DTC FURTHE MAY BE	BCM .F-DIAG RE SULTS IS DETECT R TESTING REQUIRED.	SULTS TI ED.
SYSTEM SELF DTC RESI CAN COM U1001] SYSTEM SELF DTC RESI	ENGINE -DIAG RESULT JLTS M CIRCUIT HVAC -DIAG RESULT JLTS	S TIME 1t S TIME		SEL STC RES SAN CO J1000] SYSTEM SEL STC RES	I A/T _F-DIAC SULTS MM CIF I ABS _F-DIAC SULTS	à RESL RCUIT à RESL	JLTS JLTS TIM		SYSTE S DTC F CAN C [U1000 SYSTE S DTC F	EM A BELF-DI COMM (D) EM IF BELF-DI	JTO DF AG RES S CIRCUIT PDM E/F AG RES	RIVE PC SULTS T T SULTS	DS. IME 1	SYSTEM SEL DTC RES NO DTC FURTHE MAY BE	BCM .F-DIAG RE SULTS IS DETECT R TESTING REQUIRED.	SULTS TI ED.

 See "SELF-DIAG RESULTS" of all units attached to the check sheet. If "CAN COMM CIRCUIT" or "CAN COMM CIRCUIT [U1000]" is displayed, put a check mark to the applicable column of self-diagnostic results of the check sheet table.

NOTE:

- For "ENGINE", "CAN COMM CIRCUIT [U1001]" is displayed. Put a check mark to it.
- For "A/T", "CAN COMM CIRCUIT [U1000]" is displayed. Put a check mark to it.
- For "AUTO DRIVE POS.", "CAN COMM CIRCUIT [U1000]" is displayed. Put a check mark to it.
- For "BCM", "NO DTC IS DETECTED" is displayed. Do not put a check mark to it.
- For "HVAC", "NO DTC IS DETECTED" is displayed. Do not put a check mark to it.
- For "ABS", "CAN COMM CIRCUIT [U1000]" is displayed. Put a check mark to it.
- For "IPDM E/R", "CAN COMM CIRCUIT [U1000]" is displayed. Put a check mark to it.

А Check sheet table ORT MNT The arranged results of self-diagnosis SELECT SYSTEM SELF DIAG RESULTS Initial METER /M&A ECM TCM DISPLAY BCM/SEC STRG HVAC PDM E /ABS ENGINE 1 UNKW INKW JNKW JNKV В AL COVY NG UNKWN UNKW INKW AUTO DRIVE POS JNKW UNKW UNKW WVC T Display cor NG INKW NKW JNKW AN COVIVIC PC всм NG UNKWN UNKW INKA HVAC UNKW INKW ABS NG UNKWN NKW No PIC TO THE IPDM E/R UNKWN UNKW UNKW When the arranged results of self-diagnosis and check sheet results (example) are corresponding, possible causes can be selected. D Case 2 Case 1 Check harness between driver seat control unit and Check harness between TCM and driver seat control unit. data link connector Ε CAN DIAC SI SELECT SYSTEM a SELF-DIAG RESULTS ELECT SYSTEM SELE-DIAG RESULTS ICM STRE FCN 1 J**W**N 1 **V**a n**a**fi сw F NG Ý UTO DRIVE AUTO DRINE PO NG play i Display control NG VAC J. HVAC N NN N RI IPDM E/F IPDM E/F ///.: Malfunctioning part ·///: Malfunctioning part Airbag diagnosis ABS actuator and electric unit Air bag diagnosis electric unit Front air control Steering angle sensor Front air control Н 1CM Data link іром ел ECM 1 GM Display всм Date link IPDM E/F €CM вом PKIC3662E

NOTE:

There is a case that some of "CAN DIAG SUPPORT MNTR" and "SELF-DIAG RESULTS" are not needed for diagnosis. In the case, "UNKWN" and "CAN COMM CIRCUIT [U1000]" in "Check sheet results (example)" change to "--". Then, ignore check marks on the check sheet table.

2. For the selected possible causes, it is expected that malfunctions have been found in the past.

L

Μ

LAN

[CAN]

UKS004M7

CAN Diagnostic Support Monitor DESCRIPTION OF "CAN DIAG SUPPORT MNTR" SCREEN FOR ECM

0000	
	0/1000

(Example)	CAN DIAG SUPPORT MNTR	CAN DIAG SUPPORT MNTR
	ENGINE	ENGINE
	PRSNT PAST	PRSNT PAST
	TRANSMIT DIAG OK OK	METER/M&A OK OK
	VDC/TCS/ABS OK OK	BCM/SEC OK OK
	METER/M&A OK OK	ICC
	BCM/SEC OK OK	HVAC
	<u>-</u>	TCM OK OK
	HVAC	EPS
	TCM OK OK	IPDM E/R OK OK
	EPS	e4WD
	IPDM E/R OK OK	AWD/4WD OK OK
	PRINT Scroll Down	PRINT Scroll Up
	MODE BACK LIGHT COPY	MODE BACK LIGHT COPY PKIC3562E

"SELECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description	Present	Past		
	TRANSMIT DIAG	Make sure of normal transmission.	OK/UNKWN/-			
	VDC/TCS/ABS	Make sure of normal reception from ABS actuator and electric unit (control unit).	OK/UNKWN/-	-		
	METER/M&A	Make sure of normal reception from combina- tion meter.	OK/UNKWN/-			
	BCM/SEC	Make sure of normal reception from BCM.	OK/UNKWN/-			
	ICC	ICC is not diagnosed.	_			
ENGINE	HVAC	HVAC is not diagnosed.	_	OK/0/1~39/-		
	ТСМ	Make sure of normal reception from TCM.	OK/UNKWN/-	-		
	EPS	EPS is not diagnosed.	_			
	IPDM E/R	Make sure of normal reception from IPDM E/ R.	OK/UNKWN/-			
	e4WD	e4WD is not diagnosed.	_			
	AWD/4WD	Make sure of normal reception from transfer control unit.	OK/UNKWN/-			

Display Results (Present)

- OK: Normal
- UNKWN: The diagnosed unit does not transmit or receive the applicable data normally.
- -: There is no received unit or the unit is not in the condition that reception diagnosis is performed.

Display Results (Past)

- OK: Normal
- 0: There is malfunction now.
- 1 ~ 39: Displays when it is normal at present and finds malfunction in the past. It increases like 0→1→2...38→39 after returning to the normal condition whenever IGN OFF→ON. If it is over 39, it is fixed to 39 until the self-diagnostic results are erased. It returns to 0 when malfunction is detected again in the process.
- -: Undiagnosed

[CAN]

UNKWN

CAN DIAG SUPPORT MNTR

DIFF LOCK

INITIAL DIAG

AWD/4WD

ECM VDC/TCS/ABS

TRANSMIT DIAG

PRSNT

OK

OK OK

OK

OK

OK/UNKWN

Н

LAN

L

Μ

DESCRIPTION OF "CAN DIAG SUPPORT MNTR" SCREEN CAN DIAG SUPPORT MNTR (Example) FOR TCM А A/T PRSNT INITIAL DIAG OK TRANSMIT DIAG OK ECM OK В VDC/TCS/ABS OK METER/M&A OK ICC/e4WD UNKWN AWD/4WD ОK PRINT MODE BACK LIGHT COPY SKIB2335E "SELECT SYSTEM" **"CAN DIAG SUPPORT** Description Present MNTR" screen screen INITIAL DIAG Make sure that microcomputer in ECU works normally. OK/NG Ε TRANSMIT DIAG Make sure of normal transmission. **OK/UNKWN OK/UNKWN** ECM Make sure of normal reception from ECM. Make sure of normal reception from ABS actuator and electric unit F A/T VDC/TCS/ABS **OK/UNKWN** (control unit). **OK/UNKWN** METER/M&A Make sure of normal reception from combination meter.

ICC/e4WD is not diagnosed.

Make sure of normal reception from transfer control unit.

Display Results (Present)

ICC/e4WD

AWD/4WD

- OK: Normal
- NG: Malfunction
- UNKWN: The diagnosed unit does not transmit or receive the applicable data normally.

DESCRIPTION OF "CAN DIAG SUPPORT MNTR" SCREEN FOR DIFFERENTIAL LOCK CONTROL UNIT	(Example)

		PRINT MODE BACK LIGHT CO	DPY PKIB7196E			
ECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description	Present			
IOCK	INITIAL DIAG	Make sure that microcomputer in ECU works normally.	OK/NG			
	TRANSMIT DIAG	Make sure of normal transmission.	OK/UNKWN			
	ECM	Make sure of normal reception from ECM.	OK/UNKWN			
	VDC/TCS/ABS Make sure of normal reception from ABS actuator and electric unit (control unit).					
	AWD/4WD	Make sure of normal reception from transfer control unit.	OK/UNKWN			

Display Results (Present)

OK: Normal

"SEL

DIFF

- NG: Malfunction
- UNKWN: The diagnosed unit does not transmit or receive the applicable data normally.

DESCRIPTION OF "CAN DIAG SUPPORT MNTR" SCREEN

kample)	CAN D	IAG SU	PPORT	MNTR	
• •	A	UTO DF	IVE PO	S.	
			PRSNT	PAST	
	TRANSM	/IT DIAG	-	-	
	METER/	M&A	OK	OK	
	BCM/SE	С	OK	ОК	
	TCM		ОК	ОК	
	PR	INT			
	MODE	BACK	LIGHT	COPY	PKIC4864E

"SELECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description	Present	Past	
AUTO DRIVE POS.	TRANSMIT DIAG	TRANSMIT DIAG is not diagnosed.	_	OK/0/1~39/-	
	METER/M&A	Make sure of normal reception from combination meter.	OK/UNKWN/-		
	BCM/SEC	Make sure of normal reception from BCM.	OK/UNKWN/-		
	ТСМ	Make sure of normal reception from TCM.	OK/UNKWN/-		

Display Results (Present)

- OK: Normal
- UNKWN: The diagnosed unit does not transmit or receive the applicable data normally.
- -: There is no received unit or the unit is not in the condition that reception diagnosis is performed.

Display Results (Past)

- OK: Normal
- 0: There is malfunction now.
- 1 ~ 39: Displays when it is normal at present and finds malfunction in the past. It increases like 0→1→2...38→39 after returning to the normal condition whenever IGN OFF→ON. If it is over 39, it is fixed to 39 until the self-diagnostic results are erased. It returns to 0 when malfunction is detected again in the process.

• -: Undiagnosed

[CAN]

DESCRIPTION OF "CAN DIAG SUPPORT MNTR" SCREEN (Example) CAN DIAG SUPPORT MNTR FOR BCM А BCM PRSNT INITIAL DIAG ОK TRANSMIT DIAG OK ECM OK В IPDM E/R ОК METER/M&A OK I-KEY OK С PRINT MODE BACK LIGHT COPY SKIB1625E D

"SELECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description	Present
	INITIAL DIAG	Make sure that microcomputer in ECU works normally.	OK/NG
BCM	TRANSMIT DIAG	Make sure of normal transmission.	OK/UNKWN
	ECM	Make sure of normal reception from ECM.	OK/UNKWN
	IPDM E/R	Make sure of normal reception from IPDM E/R.	OK/UNKWN
	METER/M&A	Make sure of normal reception from combination meter.	OK/UNKWN
	I-KEY	I-KEY is not diagnosed.	OK

Display Results (Present)

OK: Normal

NG: Malfunction

• UNKWN: The diagnosed unit does not transmit or receive the applicable data normally.

J

Е

F

Н

LAN

L

Μ

DESCRIPTION OF "CAN DIAG SUPPORT MNTR" SCREEN FOR FRONT AIR CONTROL

(Example)	CAN DIAG SU	PPORT	MNTR	CAN DIAG S	UPPORT	MNTR
	HV	/AC		Н	VAC	
		PRSNT	PAST		PRSNT	PAST
	TRANSMIT DIAG	OK	OK	PDM E/R	OK	OK
	ECM	OK	OK	DISPLAY	OK	OK
	TCM	-	-	KEY	-	-
	BCM/SEC	ОК	OK	PS	-	-
	VDC/TCS/ABS	OK	OK	WD/4WD	-	-
	IPDM E/R	OK	OK	4WD	-	-
	DISPLAY	ОК	OK	00	-	-
	I-KEY	-	-	ANE KEEP	-	-
	EPS	-	-	'IRE-P	-	-
	PRINT		Scroll Down	PRINT	Scroll Up	
	MODE BACK	LIGHT	COPY	IODE BACK	K LIGHT	COPY

"SELECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description	Present	Past
	TRANSMIT DIAG	Make sure of normal transmission.	OK/UNKWN/-	
	ECM	Make sure of normal reception from ECM.	OK/UNKWN/-	
	ТСМ	TCM is not diagnosed.	-	
	BCM/SEC	Make sure of normal reception from BCM.	OK/UNKWN/-	
	VDC/TCS/ABS	Make sure of normal reception from ABS actua- tor and electric unit (control unit).	OK/UNKWN/-	
		IPDM E/R is not diagnosed.(Auto A/C models)	-	
HVAC	IPDM E/R	Make sure of normal reception from IPDM E/ R.(Manual A/C models)	OK/UNKWN/-	
	DISPLAY	Make sure of normal reception from display con- trol unit.	OK/UNKWN/-	OK/0/1~39/-
	I-KEY	I-KEY is not diagnosed.	_	
	EPS	EPS is not diagnosed.	-	
	AWD/4WD	AWD/4WD is not diagnosed.	_	
	e4WD	e4WD is not diagnosed.	_	
	ICC	ICC is not diagnosed.	_	
	LANE KEEP	LANE KEEP is not diagnosed.	_	
	TIRE-P	TIRE-P is not diagnosed.	_	

Display Results (Present)

- OK: Normal
- UNKWN: The diagnosed unit does not transmit or receive the applicable data normally.
- -: There is no received unit or the unit is not in the condition that reception diagnosis is performed.

Display Results (Past)

- OK: Normal
- 0: There is malfunction now.
- 1 ~ 39: Displays when it is normal at present and finds malfunction in the past. It increases like 0→1→2...38→39 after returning to the normal condition whenever IGN OFF→ON. If it is over 39, it is fixed to 39 until the self-diagnostic results are erased. It returns to 0 when malfunction is detected again in the process.
- -: Undiagnosed

[CAN]

А

В

DESCRIPTION OF "CAN DIAG SUPPORT MNTR" SCREEN CAN DIAG SUPPORT MNTR (Example) FOR TRANSFER CONTROL UNIT ALL MODE AWD/4WD PRSNT INITIAL DIAG OK TRANSMIT DIAG OK ECM OK VDC/TCS/ABS OK TCM OK METER/M&A OK PRINT MODE BACK LIGHT COPY PKIC3563E

				D
"SELECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description	Present	
	INITIAL DIAG	Make sure that microcomputer in ECU works normally.	OK/NG	F
ALL MODE AWD/ 4WD	TRANSMIT DIAG	Make sure of normal transmission.	OK/UNKWN	
	ECM	Make sure of normal reception from ECM.	OK/UNKWN	-
	VDC/TCS/ABS	Make sure of normal reception from ABS actuator and electric unit (control unit).	OK/UNKWN	F
	ТСМ	Make sure of normal reception from TCM.		-
	METER/M&A	Make sure of normal reception from combination meter.	OK/UNKWN	G

Display Results (Present)

- OK: Normal
- NG: Malfunction
- UNKWN: The diagnosed unit does not transmit or receive the applicable data normally.

DESCRIPTION OF "CAN DIAG SUPPORT MNTR" SCREEN FOR ABS ACTUATOR AND ELEC-**TRIC UNIT (CONTROL UNIT) ABS models**

(Example) CAN DIAG SUPPORT MNTR

		ABS	
		PRSNT	
		INITIAL DIAG OK	
		TRANSMIT DIAG OK	
		ECM OK	
		PRINT	
			Y
			·
"SELECT SYSTEM"	"CAN DIAG SUPPORT	Description	1
screen	MNTR" screen	Decemption	•
	INITIAL DIAG	Make sure that microcomputer in FCU works normally.	OK

LAN

Н

Μ

PKIA8949E

"SELECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description	Present
	INITIAL DIAG	Make sure that microcomputer in ECU works normally.	OK/NG
ABS	TRANSMIT DIAG	Make sure of normal transmission.	OK/UNKWN
	ECM	Make sure of normal reception from ECM.	OK/UNKWN

Display Results (Present)

- OK: Normal
- NG: Malfunction
- UNKWN: The diagnosed unit does not transmit or receive the applicable data normally. •

ABLS models

(Example)	CAN D	IAG SU	PPORT	MNTR	
		ADO			
			PR	SNT	
	INITIAL	DIAG	C	ĸ	
	TRANSM	AIT DIAG	C	κ	
	ECM OK				
	TCM OK				
	PR	INT			
	MODE	BACK	LIGHT	COPY	SKIB0594E

"SELECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description	Present
	INITIAL DIAG	Make sure that microcomputer in ECU works normally.	OK/NG
ARS	TRANSMIT DIAG	Make sure of normal transmission.	OK/UNKWN
ABS	ECM	Make sure of normal reception from ECM.	OK/UNKWN
	ТСМ	Make sure of normal reception from TCM.	OK/UNKWN

Display Results (Present)

- OK: Normal
- NG: Malfunction
- UNKWN: The diagnosed unit does not transmit or receive the applicable data normally.

VDC models



"SELECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description	Present
	INITIAL DIAG	Make sure that microcomputer in ECU works normally.	OK/NG
ABS	TRANSMIT DIAG	Make sure of normal transmission.	OK/UNKWN
	ECM	Make sure of normal reception from ECM.	OK/UNKWN
	ТСМ	Make sure of normal reception from TCM.	OK/UNKWN
	METER/M&A	METER/M&A is not diagnosed.	UNKWN
	STRG	Make sure of normal reception from steering angle sensor.	OK/UNKWN
	ICC	ICC is not diagnosed.	UNKWN
	AWD/4WD	Make sure of normal reception from transfer control unit.	OK/UNKWN

Display Results (Present)

- OK: Normal
- NG: Malfunction
- UNKWN: The diagnosed unit does not transmit or receive the applicable data normally.

[CAN]

DESCRIPTION C FOR IPDM E/R	OF "CAN DIAG SUI	PPORT MNTR" SCREEN	(Example)	CAN DIAG SUPPORT MNT IPDM E/R PRSNT PAS TRANSMIT DIAG OK OK ECM OK OK BCM/SEC OK OK PRINT I MODE BACK LIGHT COF	R IT (((() () () () () () () ()	A B C
"SELECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description		Present	Past	D
	TRANSMIT DIAG	Make sure of normal transmission.		OK/UNKWN/-		F
IPDM E/R	ECM	Make sure of normal reception from	ECM.	OK/UNKWN/-	OK/0/1~39/-	
	BCM/SEC	Make sure of normal reception from	BCM.	OK/UNKWN/-		
Display Results (P OK: Normal	resent)					F
 UNKWN: The diagn -: There is no received 	osed unit does not transm ved unit or the unit is not ir	it or receive the applicable data normant the condition that reception diagnosi	ally. is is performe	d.		G

Display Results (Past)

- OK: Normal
- 0: There is malfunction now.
- 1 ~ 39: Displays when it is normal at present and finds malfunction in the past. It increases like 0→1→2...38→39 after returning to the normal condition whenever IGN OFF→ON. If it is over 39, it is fixed to 39 until the self-diagnostic results are erased. It returns to 0 when malfunction is detected again in the process.
- -: Undiagnosed

J

Н

I

LAN

L

Μ

DESCRIPTION OF "CAN DIAG SUPPORT MNTR" SCREEN FOR DISPLAY CONTROL UNIT

(Example)

CAN COMM	OK	0	Delete
CAN CIRC 1	OK	0	
CAN_CIRC_2	OK	0	
CAN_CIRC_3	OK	Ō	
CAN_CIRC_4	UNKWN	1	
CAN_CIRC_5	UNKWN	1	
CAN_CIRC_6	UNKWN	1	
CAN_CIRC_7	ОК	0	
CAN_CIRC_8	ОК	0	
CAN_CIRC_9	OK	0	

Unit name	Diagnosis item	Description	"CAN DIAG SUPPORT MONITOR" screen	Error counter (Reference)	
Display control unit	CAN COMM	Make sure that microcomputer in ECU works normally.	OK/NG		
	CAN CIRC 1	Make sure of normal transmission.	OK/UNKWN		
	CAN CIRC 2	Make sure of normal reception from BCM.	OK/UNKWN		
	CAN CIRC 3	Make sure of normal reception from ECM.	OK/UNKWN		
	CAN CIRC 4	Make sure of normal reception from front air control.	OK/UNKWN	0/1 50	
	CAN CIRC 5	Make sure of normal reception from combination meter.	OK/UNKWN	0/1~50	
	CAN CIRC 6	CAN CIRC 6 is not diagnosed.	UNKWN		
	CAN CIRC 7	Make sure of normal reception from IPDM E/R.	OK/UNKWN		
	CAN CIRC 8	CAN CIRC 8 is not diagnosed.	UNKWN		
	CAN CIRC 9	CAN CIRC 9 is not diagnosed.	UNKWN		

Display Results (Present)

- OK : Normal
- NG : Malfunction
- UNKWN : The diagnosed unit does not transmit or receive the applicable data normally.

Display Results : Error Counter (Reference)

- 0 : It is normal now.
- 1 ~ 50 : Displays when it finds malfunction in the past even if it is normal or there is a malfunction at present. Also, displays when diagnosis is not performed. It increase like 0→1→2...49→50 after returning to the normal condition whenever IGN OFF→ON. If it is over 50, it is fixed to 50 until the self-diagnostic results are erased. Keep this condition until resetting it.

CAN COMMUNICATION

System Description

CAN (Controller Area Network) is a serial communication line for real time application. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Many electronic control units are equipped onto a vehicle, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H line, CAN L line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.

Component Parts and Harness Connector Location



[CAN]

PFP:23710

UKS001AI

UKS004M8

А

В

Ε

F

Н

J

LAN

Schematic

[CAN]

UKS004M9





BKWA0650E

[CAN]



BKWA0651E



LAN-CAN-02

[CAN]

BKWA0652E



CAN Communication Unit

Go to CAN system, when selecting your CAN system type from the following table.

Body type	Truck																
Axle	2WD							4WD									
Engine	VK56DE																
Transmission		A/T															
Brake control	ABS	ABLS VDC						ABLS						VDC			
Electronic locking rear differential											х	×	×	х			×
Automatic drive positioner			×	×		×	×		×	×		×	×		×	×	×
Navigation sys- tem				×			×			×			×			×	×
CAN system type	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CAN system trouble diagnosis	<u>LAN</u> -51	<u>LAN</u> -65	<u>LAN</u> -79	<u>LAN</u> -95	<u>LAN</u> -112	<u>LAN</u> -127	<u>LAN</u> -144	<u>LAN</u> -162	<u>LAN</u> -177	<u>LAN</u> -194	<u>LAN</u> -212	<u>LAN</u> -229	<u>LAN</u> -249	<u>LAN</u> -271	<u>LAN</u> -289	<u>LAN</u> -307	<u>LAN</u> -326

 $\times:$ Applicable

NOTE:

Confirming the presence of the following items helps to identify CAN system type.

Models with 4WD



• Models with ABLS





• Models with VDC

• Models with electronic locking rear differential

Models with automatic drive positioner

[CAN]



• Models with navigation system

M

TYPE 1 System diagram

• Type 1



Input/output signal chart

T: Transmit R: Receive

						manorini	
Signals	ECM	TCM	Combination meter	BCM	Front air control	ABS actuator and electric unit (control unit)	IPDM E/R
A/C compressor request signal	Т						R
Accelerator pedal position signal	Т	R					
ASCD CRUISE lamp signal	Т		R				
ASCD OD cancel request signal	Т	R					
ASCD operation signal	Т	R					
ASCD SET lamp signal	Т		R				
Battery voltage signal	Т	R					
Closed throttle position signal	Т	R					
Cooling fan speed request signal	Т						R
Engine coolant temperature signal	Т		R		R		
Engine speed signal	Т	R	R		R		
Engine status signal	Т			R			
Fuel consumption monitor signal	Т		R				
Malfunction indicator lamp signal	Т		R				
Wide open throttle position signal	Т	R					
A/T CHECK indicator lamp signal		Т	R				

Revision: October 2006

[CAN] ABS actuator and electric unit (control unit) А Combination meter В Front air control PDM E/R ECM TCM BCM Signals D Ε т A/T fluid temperature sensor signal R A/T position indicator lamp signal Т R A/T self-diagnosis signal R Т Output shaft revolution signal R Т Turbine revolution signal R Т R Т 1st position switch signal^{*1} Т 4th position switch signal^{*1} R Fuel level sensor signal R Т Н т Manual mode shift down signal^{*2} R R Т Manual mode shift up signal^{*2} Т Manual mode switch signal^{*2} R Not manual mode switch signal^{*2} R Т Т Seat belt buckle switch signal R т R R Stop lamp switch signal R т Tow mode switch signal LAN R R Т Vehicle speed signal т R R R A/C switch signal R Т R Blower fan motor switch signal R Т Buzzer output signal R Т Μ Day time running light request signal Т R т R R Door switch signal Т R Front fog light request signal Front wiper request signal Т R High beam request signal R т R R Т High beam status signal Horn chirp signal Т R т R Ignition switch signal Т Low beam request signal R Low beam status signal R Т R Т R Position light request signal Т R Rear window defogger request signal R Sleep wake up signal R т R

[CAN]

Signals	ECM	TCM	Combination meter	BCM	Front air control	ABS actuator and electric unit (control unit)	IPDM E/R
Theft warning horn request signal				Т			R
Tire pressure signal			R	Т			
Turn indicator signal			R	Т			
ABS warning lamp signal			R			Т	
Brake warning lamp signal			R			Т	
Front wiper stop position signal				R			Т
Rear window defogger control signal				R	R		Т

- *1: Floor shift model only.
- *2: Column shift model only.

TYPE 2/TYPE 3/TYPE 4 System diagram

• Type 2







Μ

ABS actuator and electric unit (control unit) Driver seat control unit^{*5} Display control unit^{*6} Combination meter Front air control IPDM E/R TCM BCM ECM Signals ASCD operation signal Т R ASCD SET lamp signal Т R Т R Battery voltage signal Closed throttle position signal Т R Cooling fan speed request signal Т R т R R Engine coolant temperature signal Т R R R R R Engine speed signal т R Engine status signal т R Fuel consumption monitor signal Т R Malfunction indicator lamp signal Т R Т Wide open throttle position signal R A/T CHECK indicator lamp signal Т R т R A/T fluid temperature sensor signal A/T position indicator lamp signal Т R A/T self-diagnosis signal Т R Output shaft revolution signal Т R P range signal Т R R т R Turbine revolution signal Т R System setting signal т R R Т 1st position switch signal^{*1} 4th position switch signal^{*1} R Т Distance to empty signal Т R Fuel level low warning signal Т R Т Fuel level sensor signal R Manual mode shift down signal^{*2} R Т Т Manual mode shift up signal^{*2} R Manual mode switch signal^{*2} R Т Not manual mode switch signal^{*2} R Т Seat belt buckle switch signal Т R Т R Stop lamp switch signal R Tow mode switch signal R Т
Signals WD WD </th <th></th>											
Vehicle speed signalImage: speed	Signals	ECM	TCM	Driver seat control unit ^{*5}	Combination meter	Display control unit ^{*6}	BCM	Front air control	ABS actuator and electric unit (control unit)	IPDM E/R	
RRRRTRRRTRRA/C switch/indicator signal '4RRITRTRA/C switch signalRIIRITR'3IBower fan motor switch signalRIITIIIBuzzer output signalIRIITIRIDay time running light request signalIRRRTIRDor switch signalIRRRTIRRFront log light request signalIIRRTIRFind tight request signalIIRIIRRHigh beam request signalIIRIIRRHigh beam status signalRIIIRRIIRKey fob for unlock signalRIIIIRIIIILow beam request signalIRIIIRIIRIIIIILow beam request signalIIRIIIRIIRIIIIIIIIIIIIIIIIIIIIIIIIIII	Vehicle speed signal				R			R	Т		E
AC switch/indicator signal ¹⁴ Image: market of the signal indicator signal in	venicie speeu signal	R	R	R	Т	R	R				
ACC switch signalRRTAVC switch signalRCCTR³Biower fan motor switch signalRCRTCBuzzer output signalCRRTCRDor switch signalCRRTCRDor switch signalCRRTCRDor switch signalCRRRTCRDor switch signalCRRRTCRFront wiper request signalCCRTCRHigh beam request signalRCRTCRHigh beam request signalRCCTRRHigh beam status signalRRCTCRIgnition switch signalRRCTCRIgnition switch signalRRTCRKey fob door unlock signalRRTCRKey fob Di signalRRTCRLow beam request signalRRTRRLow beam request signalRRTRRLow beam request signalRRTRRLow beam request signalRRTRRLow beam request signalRRRTRInfe repessure signalRR	A/C switch/indicator signal ^{*4}					Т		R			F
A/C switch signalRImage: signalRImage: signalTmage: signalRBiower fan motor switch signalRImage: signalTmage: signalTm						R		Т			
Blower fan motor switch signalRIII	A/C switch signal	R					Т	R ^{*3}			
Buzzer output signalImage: signal <th< td=""><td>Blower fan motor switch signal</td><td>R</td><td></td><td></td><td></td><td></td><td>Т</td><td></td><td></td><td></td><td>0</td></th<>	Blower fan motor switch signal	R					Т				0
Day time running light request signalImage: signal <thimage: signal<="" th="">Image: signalImage</thimage:>	Buzzer output signal				R		Т				
Door switch signalImage: signalI	Day time running light request signal						Т			R	ŀ
Front fog light request signalImage: sign	Door switch signal			R	R	R	Т			R	
Front wiper request signalImage: signal </td <td>Front fog light request signal</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Т</td> <td></td> <td></td> <td>R</td> <td></td>	Front fog light request signal						Т			R	
High beam request signalRRRTRRHigh beam status signalRRIIIITTHorn chirp signalRIRITIRRIgnition switch signalRRITIRRIgnition switch signalRRITIRRIgnition switch signalRRITIRRKey fob door unlock signalRRITIRIKey fob lD signalRRITIRIIKey switch signalRRITIRIIILow beam request signalRRIIIRIIIRLow beam status signalRIIIIRIIRIIIIILow beam status signalRIIIIRRIIIRIII	Front wiper request signal						Т			R	
High beam status signalRIIIIITHorn chirp signalIIRIITIRRIgnition switch signalIRRITIRRKey fob door unlock signalIRRITIRRKey fob lo signalIRRITIIRKey fob lo signalIRRITIIIKey switch signalIRRITIIRLow beam request signalRRIIIRIIIRLow beam status signalRIIIIIRIIIRLow beam status signalRIIIIIRIIIIRLow beam status signalRIIIIIIRRIIIRLow beam status signalRRIIIIIRRIIRIIIIRIIIIRRIIIIIRIIIIIIIIIIIIIIIIIIIIIIIIIII </td <td>High beam request signal</td> <td></td> <td></td> <td></td> <td>R</td> <td></td> <td>Т</td> <td></td> <td></td> <td>R</td> <td></td>	High beam request signal				R		Т			R	
Horn chirp signalImage: signalIm	High beam status signal	R								Т	
Ignition switch signalImage: Register of the signalRRTImage: Register of the signalKey fob door unlock signalRRRTImage: Cele of the signalTImage: Cele of the signalImage: Cele o	Horn chirp signal						Т			R	
Key fob door unlock signalImage: signal </td <td>Ignition switch signal</td> <td></td> <td></td> <td>R</td> <td></td> <td></td> <td>Т</td> <td></td> <td></td> <td>R</td> <td></td>	Ignition switch signal			R			Т			R	
Key tob ID signalImage: signalIm	Key fob door unlock signal			R			Т				LA
Key switch signalIRITIILow beam request signalRIIITRRLow beam status signalRIIIIITRPosition light request signalRIRTIRRPosition light request signalIIRTIRRRear window defogger request signalIIRITRRSleep wake up signalIRRTIRRTheft warning horn request signalIIIIIRTire pressure data signalIIRTIIITire pressure signalIIRTIIIABS warning lamp signalIIRRTIIBrake warning lamp signalIIRIIIISLIP indicator lamp signalIIRRRIIIRear window defogger control signalIIIRRIIIRear window defogger control signalIIIIIIIRear window defogger control signalIIIIIIIRear window defogger control signalIIIIIIIRear window defogger control signalII </td <td>Key fob ID signal</td> <td></td> <td></td> <td>R</td> <td></td> <td></td> <td>Т</td> <td></td> <td></td> <td></td> <td></td>	Key fob ID signal			R			Т				
Low beam request signalImage: signal	Key switch signal			R			Т				
Low beam status signalRIIIITPosition light request signalIIRRTRRRear window defogger request signalIIRTRRSleep wake up signalIRRTIRRTheft warning horn request signalIIITIRRTire pressure data signalIIIRIIIITire pressure signalIIRTIIITurn indicator signalIIRRIIIIABS warning lamp signalIIRRIIIISLIP indicator lamp signalIIRRIIIIIFront wiper stop position signalIIIIRIIIIRear window defogger control signalIIIIIIIIIRear window defogger control signalIIIIIIIIIRear window defogger control signalIIIIIIIIIRear window defogger control signalIIIIIIIIIRear window defogger control signalIIIIIIIIIIR	Low beam request signal						Т			R	· L
Position light request signalRRTRRRear window defogger request signalCCCTRRSleep wake up signalRRRTCRTheft warning horn request signalCRTTRRTire pressure data signalCCRTCRTire pressure signalCRRTCCTurn indicator signalCRRTCCABS warning lamp signalCRRCTCSLIP indicator lamp signalCRRCTTFront wiper stop position signalCCRRTTRear window defogger control signalCCRRTT	Low beam status signal	R								Т	-
Rear window defogger request signalImage:	Position light request signal				R		Т			R	N
Sleep wake up signalRRTRRTheft warning horn request signalIIIIRRTire pressure data signalIIRRTIITire pressure signalIIRRTIITurn indicator signalIIRRTIIABS warning lamp signalIIRRIIISLIP indicator lamp signalIIRRITIFront wiper stop position signalIIIRRRIIRear window defogger control signalIIIRRRII	Rear window defogger request signal						Т	R		R	_
Theft warning horn request signalImage: constraint of the sig	Sleep wake up signal			R	R		Т			R	_
Tire pressure data signalImage: Rest of the signalRTImage: Rest of the signalTire pressure signalRRTImage: Rest of the signalRTImage: Rest of the signalABS warning lamp signalRRRImage: Rest of the signalRImage: Rest of the signalImage: Rest of the signalImage	Theft warning horn request signal						Т			R	
Tire pressure signalRTIITurn indicator signalRRTIIABS warning lamp signalRRITIBrake warning lamp signalRRITISLIP indicator lamp signalRRITIFront wiper stop position signalIIRRTRear window defogger control signalIIRRT	Tire pressure data signal					R	Т				-
Turn indicator signalRTIABS warning lamp signalRRITBrake warning lamp signalRRITSLIP indicator lamp signalRITIFront wiper stop position signalRRRTRear window defogger control signalIIRT	Tire pressure signal				R		Т				_
ABS warning lamp signalRTBrake warning lamp signalRRTSLIP indicator lamp signalRRTFront wiper stop position signalRRTRear window defogger control signalRRRT	Turn indicator signal				R		Т				_
Brake warning lamp signalRTSLIP indicator lamp signalRTFront wiper stop position signalRRRear window defogger control signalRR	ABS warning lamp signal				R				Т		_
SLIP indicator lamp signal R T Front wiper stop position signal R R T Rear window defogger control signal R R T	Brake warning lamp signal				R				Т		_
Front wiper stop position signal R T Rear window defogger control signal R R T	SLIP indicator lamp signal				R				Т		_
Rear window defogger control signal R R*3 T	Front wiper stop position signal						R			Т	_
	Rear window defogger control signal						R	R ^{*3}		Т	_

• *1: Floor shift model only.

• *2: Column shift model only.

Revision: October 2006

[CAN]

- *4: with auto air conditioner model only.
- *5: with automatic drive positioner model only.
- *6: with navigation system model only.

TYPE 5/TYPE 6/TYPE 7

System diagram

Type 5



CAN L

Combination

meter

Data link

connector

BCM

Driver seat

control unit

тсм

ECM

IPDM E/R

PKIC2710E



Input/output signal chart

ABS actuator and electric unit (control unit) Driver seat control unit^{*5} Display control unit^{*6} Steering angle sensor Combination meter Front air control IPDM E/R ECM BCM TCM Signals A/C compressor request signal Т R Т R R Accelerator pedal position signal ASCD CRUISE lamp signal Т R ASCD OD cancel request signal Т R ASCD operation signal Т R Т ASCD SET lamp signal R Т Battery voltage signal R Т R Closed throttle position signal Т R Cooling fan speed request signal Т R Engine coolant temperature signal R Engine speed signal Т R R R R R Engine status signal Т R Т R Fuel consumption monitor signal Т R Т R Malfunction indicator lamp signal Wide open throttle position signal Т R A/T CHECK indicator lamp signal Т R

T: Transmit R: Receive

LAN

Μ

J

Н

Revision: October 2006

A/T fluid temperature sensor signal

R

Т

[CAN]

ABS actuator and electric unit (control unit) Driver seat control unit^{*5} Display control unit^{*6} Steering angle sensor Combination meter Front air control IPDM E/R ECM TCM BCM Signals т A/T position indicator lamp signal R A/T self-diagnosis signal Т R Output shaft revolution signal R Т P range signal Т R R Turbine revolution signal R т Т R System setting signal R т Т R 1st position switch signal^{*1} Т 4th position switch signal*1 R Т Distance to empty signal R Т R Fuel level low warning signal т Fuel level sensor signal R Т Manual mode shift down signal^{*2} R R Т Manual mode shift up signal^{*2} Т Manual mode switch signal^{*2} R Not manual mode switch signal^{*2} R Т Т Seat belt buckle switch signal R Stop lamp switch signal R Т R R Т Tow mode switch signal R Т R Vehicle speed signal Т R R R R R т R A/C switch/indicator signal*4 R Т R Т R*3 A/C switch signal Blower fan motor switch signal R Т Buzzer output signal R Т Day time running light request signal Т R Door switch signal R R R Т R Front fog light request signal Т R Т Front wiper request signal R Т High beam request signal R R High beam status signal R Т Horn chirp signal Т R

Signals	ECM	TCM	Driver seat control unit ^{*5}	Combination meter	Display control unit ^{*6}	BCM	Steering angle sensor	Front air control	ABS actuator and electric unit (control unit)	IPDM E/R	A B C D
Ignition switch signal			R			Т				R	E
Key fob door unlock signal			R			Т					
Key fob ID signal			R			Т					F
Key switch signal			R			Т					1
Low beam request signal						Т				R	
Low beam status signal	R									Т	G
Position light request signal				R		Т				R	
Rear window defogger request signal						Т		R		R	ш
Sleep wake up signal			R	R		Т				R	
Theft warning horn request signal						Т				R	
Tire pressure data signal					R	Т					
Tire pressure signal				R		Т					
Turn indicator signal				R		Т					
Steering angle sensor signal							Т		R		J
ABS warning lamp signal				R					Т		_
Brake warning lamp signal				R					Т		LAN
SLIP indicator lamp signal				R					Т		
VDC OFF indicator lamp signal				R					Т		
Front wiper stop position signal						R				Т	L
Rear window defogger control signal						R		R*3		Т	

• *1: Floor shift model only.

• *2: Column shift model only.

• *3: with manual air conditioner model only.

• *4: with auto air conditioner model only.

• *5: with automatic drive positioner model only.

• *6: with navigation system model only.

M

[CAN]

ТҮРЕ 8/ТҮРЕ 9/ТҮРЕ 10/ТҮРЕ 11/ТҮРЕ 12/ТҮРЕ 13

System diagram







[CAN]

L

Μ

Input/output signal chart

T: Transmit R: Receive

[CAN]

Signals	ECM	TCM	Differential lock control unit ^{*5}	Driver seat control unit ^{*6}	Combination meter	Display control unit ^{*7}	BCM	Front air control	Transfer control unit	ABS actuator and electric unit (control unit)	IPDM E/R
A/C compressor request signal	Т										R
Accelerator pedal position signal	Т	R								R	
ASCD CRUISE lamp signal	Т				R						
ASCD OD cancel request signal	Т	R									
ASCD operation signal	Т	R									
ASCD SET lamp signal	Т				R						
Battery voltage signal	Т	R									
Closed throttle position signal	Т	R									
Cooling fan speed request signal	Т										R
Engine coolant temperature signal	Т				R			R			
Engine speed signal	Т	R			R	R		R	R	R	
Engine status signal	Т						R				
Fuel consumption monitor signal	Т				R						
					Т	R					
Malfunction indicator lamp signal	Т				R						
Wide open throttle position signal	Т	R									
A/T CHECK indicator lamp signal		Т			R						
A/T fluid temperature sensor signal		Т			R						
A/T position indicator lamp signal		Т			R				R		
A/T self-diagnosis signal	R	Т									
Output shaft revolution signal	R	Т							R		
P range signal		Т		R						R	
Turbine revolution signal	R	Т									
Differential lock indicator signal			Т							R	
Differential lock switch signal			Т							R	
System setting signal				T R		R T					
1st position switch signal ^{*1}		R			Т						
4th position switch signal ^{*1}		R			Т						<u> </u>
Distance to empty signal					Т	R					<u> </u>
Fuel level low warning signal					Т	R					<u> </u>
Fuel level sensor signal	R				Т						

Signals	ECM	TCM	Differential lock control unit ^{*5}	Driver seat control unit ^{*6}	Combination meter	Display control unit ^{*7}	BCM	Front air control	Transfer control unit	ABS actuator and electric unit (control unit)	IPDM E/R	A B C D
Manual mode shift down signal ²		R			I							
Manual mode shift up signal ^{*2}		R			Т							
Manual mode switch signal ^{*2}		R			Т							F
Not manual mode switch signal ^{*2}		R			Т							
Seat belt buckle switch signal					Т		R					G
Stop Jamp switch signal		R			Т		R					
									R	Т		
Tow mode switch signal		R			Т							Н
Vehicle speed signal			R		R			R	R	Т		
	R	R		R	Т	R	R					.
A/C switch/indicator signal ^{*4}						Т		R				
						R		Т				
A/C switch signal	R						Т	R ^{*3}				J
Blower fan motor switch signal	R						Т					
Buzzer output signal					R		Т					LA
Day time running light request signal							Т				R	
Door switch signal				R	R	R	Т				R	
Front fog light request signal							Т				R	L
Front wiper request signal					_		T				R	-
High beam request signal					R		I				R	M
High beam status signal	ĸ						-					
				Р							R	
Kov teb door uplock signal				R D			T				ĸ	-
Key fob ID signal				R			T					-
Key switch signal				R			т					
l ow beam request signal							T				R	-
Low beam status signal	R						•				т	-
Position light request signal					R		т				R	
Rear window defogger request signal							т	R			R	
Sleep wake up signal				R	R		т	-			R	
Theft warning horn request signal							т				R	
Tire pressure data signal						R	Т					
Tire pressure signal		1			R		т					

Revision: October 2006

[CAN]

.AN

Signals	ECM	TCM	Differential lock control unit ^{*5}	Driver seat control unit ^{*6}	Combination meter	Display control unit ^{*7}	BCM	Front air control	Transfer control unit	ABS actuator and electric unit (control unit)	IPDM E/R
Turn indicator signal					R		Т				
4WD shift switch signal	R		R						Т		
ABS warning lamp signal					R					Т	
Brake warning lamp signal					R					Т	
SLIP indicator lamp signal					R					Т	
Front wiper stop position signal							R				Т
Rear window defogger control signal							R	R ^{*3}			Т

- *1: Floor shift model only.
- *2: Column shift model only.
- *3: with manual air conditioner model only.
- *4: with auto air conditioner model only.
- *5: with electric locking rear differential model only.
- *6: with automatic drive positioner model only.
- *7: with navigation system model only.

TYPE 14/TYPE 15/TYPE 16/TYPE 17 System diagram

Type 14



[CAN]



• Type 16



Type 17



[CAN]

Н

LAN

L

Μ

Input/output signal chart

T: Transmit R: Receive

[CAN]

Signals	ECM	TCM	Differential lock control unit ^{*5}	Driver seat control unit *6	Combination meter	Display control unit ^{*7}	BCM	Steering angle sensor	Front air control	Transfer control unit	ABS actuator and electric unit (control unit)	IPDM E/R
A/C compressor request signal	Т											R
Accelerator pedal position signal	Т	R									R	
ASCD CRUISE lamp signal	Т				R							
ASCD OD cancel request signal	Т	R										
ASCD operation signal	Т	R										
ASCD SET lamp signal	Т				R							
Battery voltage signal	Т	R										
Closed throttle position signal	Т	R										
Cooling fan speed request signal	Т											R
Engine coolant temperature signal	Т				R				R			
Engine speed signal	Т	R			R	R			R	R	R	
Engine status signal	Т						R					
Fuel consumption monitor signal	Т				R							
					Т	R						
Malfunction indicator lamp signal	Т				R							
Wide open throttle position signal	Т	R										
A/T CHECK indicator lamp signal		Т			R							
A/T fluid temperature sensor signal		Т			R							
A/T position indicator lamp signal		Т			R					R		
A/T self-diagnosis signal	R	Т										
Output shaft revolution signal	R	Т								R		
P range signal		Т		R							R	
Turbine revolution signal	R	Т										
Differential lock indicator signal			Т								R	
Differential lock switch signal			Т								R	
System setting signal				T R		R T						
1st position switch signal ^{*1}		R		-	т							
4th position switch signal ^{*1}		R			Т							
Distance to empty signal					Т	R						
Fuel level low warning signal					Т	R						
Fuel level sensor signal	R				Т							

Revision: October 2006

											-	-	
Signals	ECM	TCM	Differential lock control unit ^{*5}	Driver seat control unit * ⁶	Combination meter	Display control unit*7	BCM	Steering angle sensor	Front air control	Transfer control unit	ABS actuator and electric unit (control unit)	IPDM E/R	A B C D
Manual mode shift down signal ^{*2}		R			Т								
Manual mode shift up signal ^{*2}		R			Т								_
Manual mode switch signal ^{*2}		R			Т								F
Not manual mode switch signal ^{*2}		R			Т								
Seat belt buckle switch signal					Т		R						G
Ston Jamp switch signal		R			Т		R						0
										R	Т		_
Tow mode switch signal		R			Т								Н
Vehicle speed signal			R		R				R	R	Т		-
	R	R		R	Т	R	R						-
A/C switch/indicator signal*4						Т			R				
						R			Т				
A/C switch signal	R						Т		R ^{*3}				J
Blower fan motor switch signal	R						Т						
Buzzer output signal					R		Т						LA
Day time running light request signal							T					R	
Door switch signal				R	R	R	T					R	
												R	. L
Front wiper request signal												R	
High beam request signal					ĸ		1					R T	M
	ĸ						т					P	
				R			т					R	
Key fob door unlock signal				R			T						
Key fob ID signal				R			T						
Key switch signal				R			Т						•
Low beam request signal							Т					R	
Low beam status signal	R											Т	•
Position light request signal					R		Т					R	
Rear window defogger request signal							Т		R			R	
Sleep wake up signal				R	R		Т					R	
Theft warning horn request signal							Т					R	
Tire pressure data signal						R	Т						
Tire pressure signal					R		Т						

Revision: October 2006

[CAN]

Signals	ECM	TCM	Differential lock control unit ^{*5}	Driver seat control unit *6	Combination meter	Display control unit ^{*7}	BCM	Steering angle sensor	Front air control	Transfer control unit	ABS actuator and electric unit (control unit)	IPDM E/R
Turn indicator signal					R		Т					
Steering angle sensor signal								Т			R	
4WD shift switch signal	R		R							Т		
ABS warning lamp signal					R						Т	
Brake warning lamp signal					R						Т	
SLIP indicator lamp signal					R						Т	
VDC OFF indicator lamp signal					R						Т	
Front wiper stop position signal							R					Т
Rear window defogger status signal							R		R ^{*3}			Т

• *1: Floor shift model only.

• *2: Column shift model only.

• *3: with manual air conditioner model only.

• *4: with auto air conditioner model only.

• *5: with electric locking rear differential model only.

• *6: with automatic drive positioner model only.

• *7: with navigation system model only.

CAN SYSTEM (TYPE 1)

	[CAN]
CAN SYSTEM (TYPE 1)	PFP:23710
Component Parts and Harness Connector Location	A UKS004QX
Refer to LAN-25, "Component Parts and Harness Connector Location".	
Schematic	UKS004MB
Refer to LAN-26, "Schematic".	
Wiring Diagram — CAN —	UKS004MC C
Refer to LAN-27, "Wiring Diagram — CAN —".	
	D

LAN

Е

F

G

Н

J

L

Μ

Check Sheet

UKS004Q3

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

				CA	N DIAG SU	PPORT MN	ITR diagnosia			-	
SELECT SYSTE	M screen	Initial diagnosis	Transmit diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULTS
ENGINE	-	_	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication		UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN		_
ABS	-	NG	UNKWN	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-		UNKWN		-	CAN COMM CIRCUIT (U1000)	-
Symptoms :											
			Atta	ch copy of			Attac	h conv of			
			SELEC	CT SYSTEM	Л		SELEC	T SYSTEM			

LAN-52

CAN SYSTEM (TYPE 1)



CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and data link connector. Refer to <u>LAN-351, "Inspection Between TCM and Data</u> <u>Link Connector Circuit"</u>.

				CA	N DIAG SU	PPORT MN	ITR			Π	
	=M coroon	Initial	Transmit			Receive	diagnosis				DECINTS
3ELE01 3131		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		I NEGOLIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	
ABS	-	NG	UNKWN	UNKWN	-		-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT	-



[CAN]

٦

А

В

С

D

Ε

F

Н

J

Case 2

Г

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to LAN-355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit" .

				ITR	PPORT MN	N DIAG SU	CA				
				diagnosis	Receive			Transmit	Initial	1 coroon	
AG NEGOLIG		IPDM E/R	VDC/TCS /ABS	BCM/SEC	METER /M&A	тсм	ECM	diagnosis	diagnosis	VI SCIECII	SELECTOTOTEN
CUIT CAN COMM CIRCUIT (UN001)	CAN COMM CIRCUIT (U1000)	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN		-	ENGINE
	CAN COMM CIRCUIT (U1000)	-	I	I	UNKWN	-	UNKWN	UNKWN	NG	-	A/T
- TIU	CAN COMM CIRCUIT (U1000)	UNKWN		-	UNKWN	-	UNKWN	UNKWN	NG	No indication	ВСМ
-	_	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	No indication	HVAC
CUIT -	CAN COMM CIRCUIT (UN00)	-	-	-	-	-	UNKWN	UNKWN	NG	-	ABS
	CAN COMM CIRCUIT (UN00)	-	-	UNKWN	-	-	UNKWN	UNKWN	-	No indication	IPDM E/R



Μ

L

CAN SYSTEM (TYPE 1)

Case 3

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
	Miscroon	Initial	Tronomit			Receive	diagnosis				
SELLOT STOLE	IVI SCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		THEODERS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	CAN COMM CIRCUIT (UN000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	_
ABS	-	NG	UNKWN	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-



CAN SYSTEM (TYPE 1)

[CAN]

А

В

С

D

Ε

F

Case 4

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
CELECT OVET	EM coroon	Initial	Transmit			Receive	diagnosis				DECINTS
36667 3131		diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	JELI-DIAG	hESOEIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	CAN COMM CIRCUIT	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U 1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	
ABS	-	NG	UNKWN	UNKWN	-	-	1	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-



 \mathbb{N}

Case 5

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR			1	
	1.001000	1.50.1	T			Receive	diagnosis				
SELECT STOTEN	/i screen	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-
всм	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	NG	UNKWN	UNKWN	-	-	_	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	Н	UNKWN	Ι	-	CAN COMM CIRCUIT (U1000)	-



CAN SYSTEM (TYPE 1)

[CAN]

А

В

С

D

Ε

F

Case 6

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
	EM coroon	Initial	Transmit			Receive	diagnosis				DECINTS
36667 3131		diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	SELI-DIAG	NESOE13
ENGINE	-		UNKWN	-	UNKWN	UNKWN	UNKWN		UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	NG	UNKWN	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	_	-	CAN COMM CIRCUIT	



 \mathbb{N}

Case 7

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
SELECT SVSTEM	1 screen	Initial	Tronomit			Receive	diagnosis				RESULTS
OLLEOT OTOTEM	SCIECT	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		INCOULIO
ENGINE		-	UNKWN	-	UNKWN	UNKWN	UNKWN		UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
4 /T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
ВСМ	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	H	UNKWN	CAN COMM CIRCUIT (U1000)	1
HVAC	No inditation		UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	_	-
ABS	-	NG	UNKWN	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
PDM E/R	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-



CAN SYSTEM (TYPE 1)

Case 8

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
	EM scroon	Initial	Tronomit			Receive	diagnosis				RESULTS
SELECT STOT		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		INEGOLIG
ENGINE	-	<u> </u>	UNKWN	<u></u>	UNKWN	UNKWN	UNKWN		UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	NG	UNKWN	UNKWN		-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-



Μ

L

А

В

С

D

Ε

F

Н

J

Case 9

r

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "<u>ABS Actuator and Electric Unit</u> (<u>Control Unit</u>) <u>Circuit Inspection</u>".

				CA	N DIAG SU	PPORT MN	ITR				
	M scroon	Initial	Tronomit			Receive	diagnosis				RESULTS
5EEE01 5151E	VISCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	I NEGOLI G
ENGINE	-		UNKWN	-	UNKWN	UNKWN	UNKWN	1	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	I	-	CAN COMM CIRCUIT (U1000)	ł
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	_	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	_	-
ABS	-	V	UNKWN	UNKWN	-	-	-	Ŧ	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication		UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-



CAN SYSTEM (TYPE 1)

[CAN]

А

В

С

D

Е

F

Н

Case 10

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

			ITR	PPORT MN	N DIAG SU	CA				
			diagnosis	Receive			Transmit	Initial	Micoroon	
SELI-DIAG NESOLIS	IPDM E/R	VDC/TCS /ABS	BCM/SEC	METER /M&A	тсм	ECM	diagnosis	diagnosis	W SCIECH	3LLL01 3131L
CAN COMM CIRCUIT CAN COMM CIRCUIT (U1000) (UN01)	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	<u></u>	-	ENGINE
CAN COMM CIRCUIT (U1000)	-	-	-	UNKWN	-	UNKWN	UNKWN	NG	-	A/T
CAN COMM CIRCUIT (U1000)	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	NG	No indication	BCM
	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	No indication	HVAC
CAN COMM CIRCUIT (U1000)	-	-	-	-	-	UNKWN	UNKWN	NG	-	ABS
CAN COMM CIRCUIT	-	_	UNKWN	-	-	UNKWN	UNKWN	-	No inditation	IPDM E/R



Case 11

Check CAN communication circuit. Refer to LAN-363, "CAN Communication Circuit Inspection" .

SELECT SYSTEM screen Initial diagnosis Transmit diagnosis TCM METER M& BCM/SEC VDC/TCS /ABS IPDM E/R SELF-DIAG RE ENGINE - - UNKWN - UNKWN UNKWN - UNKWN - UNKWN - UNKWN - UNKWN - CAN COMMCRCUIT (UNGO) CAN COMMCRCUIT (UNGO) CAN COMM CIRCUIT (UNGO) CAN COM CIRCUIT (UNGO) CAN COM CIRCUIT (UNGO) CAN COM CIRCUIT (UNGO) <						<u> </u>	PPORT MN	N DIAG SU	CA				
Selection on on scheen Initian diagnosis <						diagnosis	Receive			Tronomit	Initial	A scroon	
ENGINE - UNKWN UNKWN UNKWN UNKWN - UNKWN CAN COMMC/RCUIT (AN (UN00)) A/T - NG UNKWN UNKWN - UNKWN - - - CAN COMMC/RCUIT (UN00) BCM NG UNKWN UNKWN - UNKWN - UNKWN - CAN COMMC/RCUIT (UN00) HVAC NS - UNKWN UNKWN - UNKWN UNKWN - -	-00010		DM E/R	C/TCS IPDM E	VDC. /Al	BCM/SEC	METER /M&A	тсм	ECM	diagnosis	diagnosis	i soreen	SELECT STOLEN
A/T - NG UNKWN UNKWN - UNKWN - - - CAN COMMC/RCUIT (UM60) BCM NG UNKWN UNKWN - UNKWN - - UNKWN CAN COMMC/RCUIT (UM60) HVAC Not individion - UNKWN UNKWN - - UNKWN UNKWN -	COMM CIRCL (UN001)	MMCIRCUIT C	CAN CO	UNK	-	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	ENGINE
BCM No. NG UNKWN UNKWN - UNKWN - - UNKWN CAN COMM CIRCUIT (U1000) HVAC No. - UNKWN UNKWN - - UNKWN UNKWN -	-	MM/CIRCUIT	- CAN CO		-	-	UNKWN	-	UNKWN	UNKWN	NG	-	A/T
HVAC Notion - UNKWN UNKWN UNKWN UNKWN UNKWN -	-	MM CIRCUIT 11000)		– UNKW	-		UNKWN	-	UNKWN	UNKWN	NG	No inditation	BCM
	-	-	NKWN	KWN UNKW	UNK	UNKWN	-	-	UNKWN	UNKWN		No indivision	HVAC
ABS - VA UNVAN UNVAN CAN COMPCIPCUIT	-	MM CIRCUIT	- CAN CO		-	-	-	-	UNKWN	UNKWN	V	-	ABS
IPDM E/R No - UNKWN UNKWN UNKWN C CAN COMPCIPCUIT (UN00)	-	MM CIRCUIT	- CAN CO		-	UNKWN	-	-	UNKWN	UNKWN		No indication	IPDM E/R

M

LAN

L

Case 12

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

				CA	N DIAG SU	PPORT MN	ITR				
	EM coroon	Initial	Transmit			Receive	diagnosis				
3LLL01 3131		diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		I NEGOLI G
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN		UNKWN	CAN COMM CIRCUIT (U 1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	_	-
ABS	-	NG	UNKWN	UNKWN	-	-	-	Ŧ	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-

Case 13

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

				CA	N DIAG SU	PPORT MN	ITR			1	
		1.50.1	T			Receive	diagnosis				
SELECT STSTEP	VISCIE	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULIS
ENGINE	-		UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	_	-
ABS	-	NG	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	ł	-	CAN COMM CIRCUIT (U1000)	-

CAN SYSTEM (TYPE 2)

	[CAN]
CAN SYSTEM (TYPE 2)	PFP:23710
Component Parts and Harness Connector Location	A UKS004ME
Refer to LAN-25, "Component Parts and Harness Connector Location".	
Schematic	UKS004MF
Refer to LAN-26, "Schematic".	
Wiring Diagram — CAN —	UKS004MG C
Refer to LAN-27, "Wiring Diagram — CAN —".	
	D

LAN

L

Е

F

G

Н

J

Check Sheet

UKS004Q2

NOTE:

r

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Check sheet	table	1								- 14	
			[CA	N DIAG SU	PPORT MN	NTR diagnosis			-	
SELECT SYST	EM screen	Initial diagnosis	Transmit diagnosis	ECM	тсм	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	- SELF-DIAG	RESULTS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	ł
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN		-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
Symptoms :											
			Attach copy of SELECT SYSTEM		М		SELEC	n copy of T SYSTEM			

PKIC2938E

CAN SYSTEM (TYPE 2)



CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Г

Check harness between TCM and data link connector. Refer to <u>LAN-351, "Inspection Between TCM and Data</u> <u>Link Connector Circuit"</u>.

SELECT SYSTEM screen		La Marti	T								
		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	_
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	F	-	CAN COMM CIRCUIT (UN00)	-



[CAN]

А

В

С

D

Ε

F

Н

J

Case 2

Г

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to LAN-355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit" .

SELECT SYSTEM screen		Initial	Transmit	Receive diagnosis								
		diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		I NEGOLI G	
ENGINE	-		UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)	
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	I	UNKWN	-	CAN COMM CIRCUIT (U 000)	-	
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	I	-	UNKWN	CAN COMM CIRCUIT (U1000)	-	
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	_	-	
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	1	-	-	CAN COMM CIRCUIT (UN00)	-	
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-	



Μ

L

CAN SYSTEM (TYPE 2)

Case 3

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
SELECT SVSTEM screen		Initial	Transmit			Receive	diagnosis				RESULTS
000000000000000000000000000000000000000	IVI SCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		THEODERS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-



CAN SYSTEM (TYPE 2)

[CAN]

А

В

С

D

Ε

F

Case 4

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

SELECT SYSTEM screen		Initial	Transmit								
		diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	EC VDC/TCS /ABS	IPDM E/R		
ENGINE	-	_	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication		UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-



 \mathbb{N}

Case 5

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

[PPORT MN	ITR			11	
SELECT SYSTE	IVI screen	Initial diagnosis	Transmit diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS IPDM E/		SELF-DIAG RESUL	
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	1
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	I	UNKWN	UNKWN	-	-	UNKWN	-		CAN COMM CIRCUIT (U1000)	-
											PKIC3204E


CAN SYSTEM (TYPE 2)

[CAN]

А

В

С

D

Ε

F

Case 6

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
	EM coroon	Initial	Tronomit			Receive	diagnosis				DECINTS
36667 3131		diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	SELI-DIAG	NESOE13
ENGINE	-		UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	_	_	CAN COMM CIRCUIT	



 \mathbb{M}

Case 7

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
SELECT SVSTEM	scroon	Initial	Transmit			Receive	diagnosis				RESULTS
SELECT STOTEM	SCIECTI	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		INEGOLIO
ENGINE	-		UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
4 /T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	ł	CAN COMM CIRCUIT (U1000)	-
ЗСМ	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	1
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	_	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
PDM E/R	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	Η	-	CAN COMM CIRCUIT (U1000)	-



CAN SYSTEM (TYPE 2)

Case 8

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

				ITR	PPORT MN	N DIAG SU	CA				
	SELE-DIAG			diagnosis	Receive			Tronomit	Initial	Miscroon	
IPDM E/R SELF-DIAG RESULTS S IPDM E/R CAN COMM CIRCUIT CAN COMM CIRCUIT (U1000) WN UNKWN CAN COMM CIRCUIT (U1000) WN - CAN COMM CIRCUIT (U1000) WN - CAN COMM CIRCUIT (U1000) WN - CAN COMM CIRCUIT (U1000) WN UNKWN CAN COMM CIRCUIT (U1000) WN UNKWN - - CAN COMM CIRCUIT (U1000) - WN UNKWN - - CAN COMM CIRCUIT (U1000) -	VDC/TCS /ABS	BCM/SEC	METER /M&A	TCM	ECM	diagnosis	diagnosis	IVI SCIEETI	311101 31311		
CIRCUIT CAN COMM CIRCUIT 0) (U1001)	JNKWN CAN COMM CIRCUIT	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	-	UNKWN		-	ENGINE
CIRCUIT	CAN COMM CIRCUIT (U1000)	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	NG	-	A/T
CIRCUIT -	JNKWN CAN COMM CIRCUIT	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	NG	No indication	BCM
-	JNKWN	UNKWN	UNKWN	UNKWN	_	_	UNKWN	UNKWN	-	No inditation	HVAC
CIRCUIT	CAN COMM CIRCUIT (U1000)	-	-	-	-	UNKWN	UNKWN	UNKWN	NG	-	ABS
CIRCUIT 0) —	- CAN COMM CIRCUIT (U1000)	_	-	UNKWN	-	-	UNKWN	UNKWN		No indication	IPDM E/R





А

В

С

D

Ε

F

r

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "<u>ABS Actuator and Electric Unit</u> (<u>Control Unit</u>) <u>Circuit Inspection</u>".

				CA	N DIAG SU	PPORT MN	ITR				
	Micoroon	Initial	Transmit			Receive	diagnosis				
311101 31311	IN SCIEELI	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		I NEGOLIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-



CAN SYSTEM (TYPE 2)

[CAN]

А

В

С

D

Ε

F

Н

Case 10

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

			TR	PPORT MN	N DIAG SU	CA				
			diagnosis	Receive			Transmit	Initial	d coroon	
SELF-DIAG RESULIS	IPDM E/R	VDC/TCS /ABS	BCM/SEC	METER /M&A	тсм	ECM	diagnosis	diagnosis	VISCIEEII	SELECT STOLE
CAN COMM CIRCUIT CAN COMM CIRCUIT (U1000) (U1001)	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	-	UNKWN	<u></u>	-	ENGINE
CAN COMM CIRCUIT (U1000)	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	NG	-	A/T
CAN COMM CIRCUIT (U1000)	UNKWN	_	-	UNKWN	-	UNKWN	UNKWN	NG	No indication	BCM
	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	No indication	HVAC
CAN COMM CIRCUIT (U1000)	-	-	-	-	UNKWN	UNKWN	UNKWN	NG	-	ABS
CAN COMM CIRCUIT	-	_	UNKWN	-	-	UNKWN	UNKWN	-	No inditation	IPDM E/R



Case 11

Check CAN communication circuit. Refer to LAN-363, "CAN Communication Circuit Inspection" .

SELECT SYSTEM screen Initial diagnosis Transmit diagnosis VDC/TCS //ABS IPDM E/R CAN colmocil diagnosis A/T - NG UNKWN UNKWN - UNKWN - UNKWN CAN colmocil dual diagnosis CAN colmocil dual diagnosis CAN colmocil dual diagnosis CAN colmocil dual diagnosis CAN co					CA	N DIAG SU	PPORT MN	ITR				
Selection of of stream of agenosis Initial diagnosis Initis diagnosis Initial diagnosis </td <td></td> <td>Miscroon</td> <td>Initial</td> <td>Transmit</td> <td></td> <td></td> <td>Receive</td> <td>diagnosis</td> <td></td> <td></td> <td></td> <td></td>		Miscroon	Initial	Transmit			Receive	diagnosis				
ENGINE - UNKWN UNKWN UNKWN UNKWN UNKWN UNKWN CAN COMMCIRCUIT (AN COMUCIRCUIT (AN COMUCIRCUIT)) A/T - NG UNKWN UNKWN - UNKWN - UNKWN - CAN COMMCIRCUIT (UX00) (UX00) <td< td=""><td>000000000000000000000000000000000000000</td><td></td><td>diagnosis</td><td>diagnosis</td><td>ECM</td><td>ТСМ</td><td>METER /M&A</td><td>BCM/SEC</td><td>VDC/TCS /ABS</td><td>IPDM E/R</td><td></td><td>INEGOLIO</td></td<>	000000000000000000000000000000000000000		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		INEGOLIO
A/T - NG UNKWN UNKWN - UNKWN - UNKWN - GAN COMMCIRCUIT (UX000) BCM No individion NG UNKWN UNKWN - UNKWN - UNKWN CAN COMMCIRCUIT (UX000) HVAC NO individion - UNKWN UNKWN - - UNKWN UNKWN - ADD - UNKWN UNKWN - - UNKWN UNKWN -	ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCU (UN001)
BCM Ng UNKWN UNKWN – UNKWN – – UNKWN CAN COMM CIRCUIT (U1000) HVAC Ng – UNKWN – – UNKWN UNKWN – ADD Ng UNKWN – – UNKWN UNKWN –	A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U 1000)	-
HVAC No - UNKWN UNKWN UNKWN UNKWN CAN COMWCIRCUIT	BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
	HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	-
	ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R No - UNKWN UNKWN UNKWN - CAN COMWCIRCUIT	IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	_

Μ

L

LAN

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

				CA	N DIAG SU	PPORT MN	ITR				
	Micoroon	Initial	Transmit			Receive	diagnosis				
36667 31316	IVI SCIEETI	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		THEODEIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCUI (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	_	_
ABS	_	NG	UNKWN	UNKWN	UNKWN	-	_	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-

Case 13

Γ

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

			-	CA	N DIAG SU	PPORT MN	ITR				
	1 scroon	Initial	Transmit			Receive	diagnosis				RESULTS
SELLOT STOTEN	i sereen	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		THEODERS
ENGINE		-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
4 /T	-	NG	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ЗСМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	NG	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
PDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	ł	-	CAN COMM CIRCUIT (U1000)	-

CAN SYSTEM (TYPE 3)

	[CAN]
CAN SYSTEM (TYPE 3)	PFP:23710
Component Parts and Harness Connector Location	A UKS004MI
Refer to LAN-25, "Component Parts and Harness Connector Location".	
Schematic	UKS004MJ
Refer to LAN-26, "Schematic".	
Wiring Diagram — CAN —	UKS004MK C
Refer to LAN-27, "Wiring Diagram — CAN —".	
	D

LAN

L

Μ

Е

F

G

Н

J

Check Sheet

UKS004Q1

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

				CA	N DIAG SU	PPORT MN	ITR			-	
SELECT SYSTEM	1 screen	Initial diagnosis	Transmit diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULTS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication		-		UNKWN	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	1
BCM	No indication	NG	UNKWN	UNKWN	_	UNKWN	-	_	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	_
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	I	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication		UNKWN	UNKWN	-		UNKWN			CAN COMM CIRCUIT (U1000)	
			Atta SELEC	ch copy of CT SYSTEN	Λ		Attac SELEC	h copy of T SYSTEM			

CAN SYSTEM (TYPE 3)



PKIC3213E

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and driver seat control unit. Refer to <u>LAN-350</u>, "Inspection Between TCM and <u>Driver Seat Control Unit Circuit</u>".

				CA	N DIAG SU	PPORT MN	ITR				
	1 sereen	Initial	Tranamit			Receive	diagnosis				
SELECT STOLEN	/ SCIEEII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	I NEGOLI G
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	_
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN		-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	ł	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication		UNKWN	UNKWN	-	-	UNKWN	UNKWN	I	_	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	_	CAN COMM CIRCUIT (UN000)	
IPDM E/R	No indication	_	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT	-

//////: Malfunctioning part Air bag ABS Front air actuator and electric unit (control unit) diagnosis control sensor unit CAN H ÇAN L Driver seat Combination Data link ECM тсм BCM IPDM E/R control unit connector meter PKIC2732E

[CAN]

Case 2

r

Check harness between driver seat control unit and data link connector. Refer to <u>LAN-354</u>, "Inspection A <u>Between Driver Seat Control Unit and Data Link Connector Circuit</u>".

				ITR	PPORT MN	N DIAG SU	CA				
				diagnosis	Receive			Transmit	Lettel	1 coroon	
A RESULTS	SELF-DIA	IPDM E/R	VDC/TCS /ABS	BCM/SEC	METER /M&A	ТСМ	ECM	diagnosis	diagnosis	I SCIEEII	SELECT STOLEN
CAN COMM CIRCUIT (UN01)	CAN COMM CIRCUIT (U1000)	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	ENGINE
-	CAN COMM CIRCUI (U 1000)	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	NG	-	A/T
	CAN COMM CIRCUI (UN00)	-	-	UNKWN	UNKWN	UNKWN	-	-		No inditation	AUTO DRIVE POS.
-	CAN COMM CIRCUI (U1000)	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	NG	No indication	BCM
-	-		UNKWN	UNKWN	-	-	UNKWN	UNKWN		No indication	HVAC
	CAN COMMCIRCUI (UN000)	-	-	-	-	UNKWN	UNKWN	UNKWN	NG	-	ABS
	CAN COMM CIRCUI (UN00)	_		UNKWN		_	UNKWN	UNKWN	_	No indication	IPDM E/R



F G H

В

С

D

Ε

J

LAN

L

Μ

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u><u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

				CA	N DIAG SU	PPORT MN	ITR				
	1 porcen	Letter	T			Receive	diagnosis				
SELECT STOTEN	I SCIEEII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	I NESULIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRC (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM/CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	_	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	_	-	UNKWN	_	-	CAN COMM CIRCUIT	-



CAN SYSTEM (TYPE 3)

[CAN]

А

В

С

D

Ε

F

Case 4

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
	1 coroon	Lette I	Transmit			Receive	diagnosis				
JELEOT STOTEN	Screen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		A NESULIS
ENGINE	-	-	UNKWN	ł	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U 000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U 000)	_
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	_
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication		UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-			-	CAN COMM CIRCUIT (UN00)	
IPDM E/R	No indication	_	UNKWN	UNKWN	_	-	UNKWN	_	-	CAN COMM CIRCUIT (U 1000)	_



Μ

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
	1 coroon	Lette I	Transmit			Receive	diagnosis				
SELECT STOTEM	I SCIEEII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCU (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U 000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	_	-	CAN COMM CIRCUIT (UN00)	
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	_	_	-	CAN COMM CIRCUIT (UN00)	
IPDM E/R	No indication	_	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-



CAN SYSTEM (TYPE 3)

[CAN]



M

٦

Case 7

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
	1 scroon	Initial	Tranamit			Receive	diagnosis				
SELECT STOLEN	i surcen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		INCOULO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	1	CAN COMM CIRCUIT (U 000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	Ŧ	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-		-	CAN COMM CIRCUIT (U1000)	
IPDM E/R	No indication	_	UNKWN	UNKWN	_	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	



CAN SYSTEM (TYPE 3)

[CAN]

А

В

С

D

Ε

F

Case 8

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
	1 porcon	1	T			Receive	diagnosis				DECUITO
SELECT STOTEN	I SCIEEII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		RESULIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	Ŧ	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	I
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	1	-	CAN COMM CIRCUIT	-



Μ

1

Case 9

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
SELECT SVSTEM	1 scroon	Initial	Tranamit			Receive	diagnosis				
SELECT STOTEM	1 SUICEII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		THEODEIG
ENGINE	+	I	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	1	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	1	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-



CAN SYSTEM (TYPE 3)

[CAN]

А

В

С

D

Ε

F

Case 10

Г

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
	1 coroon	Lattal	Transmit			Receive	diagnosis				DECINTO
SELECT STOTEN	n screen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	I NEGULI G
ENGINE	-		UNKWN	ł	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T		NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation		UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	_
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	_	-	UNKWN	_	_	CAN COMM CIRCUIT (U1000)	



 \mathbb{N}

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "<u>ABS Actuator and Electric Unit</u> (<u>Control Unit</u>) <u>Circuit Inspection</u>".

				CA	N DIAG SU	PPORT MN	ITR				
	1 scroon	Initial	Tranamit			Receive	diagnosis				
SELECT STOLEN	i surcen	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		INCOULO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U 000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	ŀ	UNKWN	CAN COMM CIRCUIT (U1000)	F
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	I	-	CAN COMM CIRCUIT (U1000)	-



CAN SYSTEM (TYPE 3)

[CAN]

А

В

С

D

Е

F

Н

J

LAN

L

Case 12

Г

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

				CA	N DIAG SU	PPORT MN	ITR				
SELECT SVSTEN	1 sereen	Initial	Transmit			Receive	diagnosis				
SELECT STOTEN	I SCIECII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	INEGOLIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	Ŧ	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication		UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditation	_	UNKWN	UNKWN	-	-	UNKWN	1	-	CAN COMM CIRCUIT (UN00)	-



Case 13

Check CAN communication circuit. Refer to LAN-363, "CAN Communication Circuit Inspection" .

SELECT SYSTEM screen Initial diagnosis Transmit diagnosis Receive diagnosis SELF-DIAG RESULTS ENGINE - UNKWN TCM METER /M&A BCM/SEC VDC/TCS /ABS IPDM E/R CAN COMMCIRCUIT (AN COMMCIRCUIT (AN COMMCIRCUIT (UM01)) A/T - UNKWN UNKWN UNKWN UNKWN UNKWN UNKWN CAN COMMCIRCUIT (AN COMMCIRCUIT (UM01)) CAN COMMCIRCUIT (UM01) CAN COMMCIRCUIT (UM01)	SELECT SYSTEM	screen						11 13				
SELECT STREM Screen Initial diagnosis Initial diagnosis Initial diagnosis Initial ECM TCM METER /M&A BCM/SEC VDC/TCS /ABS IPDM E/R SELET-DIACT HESDETS ENGINE - - UNKWN - UNKWN UNKWN UNKWN UNKWN UNKWN UNKWN CAN COMMCIRCUT (AN COMMCIRCUT (UM00) - A/T - NG UNKWN UNKWN - UNKWN - CAN COMMCIRCUT (UM00) - A/T - NG UNKWN UNKWN - UNKWN - CAN COMMCIRCUT (UM00) - AUTO DRIVE POS. NG - - - UNKWN UNKWN - - CAN COMMCIRCUT (UM00) - BCM NG UNKWN UNKWN - UNKWN - - CAN COMMCIRCUT (UM00) - HVAC NG - UNKWN UNKWN - - - - - ABS - NG UNKWN UNKWN - - - - CAN COMMCIRCUT INDUM E/R UNKWN	SELECT STOLEM	SUCCII	Initial	Transmit			Receive	diagnosis				
ENGINE - UNKWN - CAN COMMCIRCUT (UM00) CAN COMMCIRCUT (UM00) - AUTO DRIVE POS. individion NG UNKWN UNKWN UNKWN UNKWN - - CAN COMMCIRCUT (UM00) - BCM NG UNKWN UNKWN UNKWN - UNKWN - - CAN COMMCIRCUT (UM00) - HVAC Ng - UNKWN UNKWN - - UNKWN -			diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		THEODERS
A/T - NG UNKWN UNKWN - UNKWN - CAN COMMCIRCUIT (UX00) - AUTO DRIVE POS. Indivision - - - UNKWN UNKWN - - CAN COMMCIRCUIT (UX00) - BCM Not indivision NG UNKWN UNKWN - UNKWN - - CAN COMMCIRCUIT (U1000) - HVAC Not indivision - UNKWN UNKWN - - UNKWN -	ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN000)	CAN COMM CIRCUIT (UN001)
AUTO DRIVE POS. No individuion - - - UNKWN UNKWN UNKWN - - CAN COMMCIRCUIT (UM00) - BCM Ng individuion NG UNKWN UNKWN - UNKWN - - UNKWN CAN COMMCIRCUIT (UM00) - HVAC Ng individuion - UNKWN UNKWN - <td>A/T</td> <td>-</td> <td>NG</td> <td>UNKWN</td> <td>UNKWN</td> <td>-</td> <td>UNKWN</td> <td>-</td> <td>UNKWN</td> <td>-</td> <td>CAN COMM CIRCUIT (U 000)</td> <td>-</td>	A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U 000)	-
BCM Ng indMation NG UNKWN UNKWN - UNKWN - - UNKWN GAN COMM CIRCUIT (U1000) - HVAC No indMation - UNKWN UNKWN - - UNKWN - - - ABS - NG UNKWN UNKWN UNKWN - - - CAN COMMCIRCUIT (U1000) - INDMETER NG UNKWN UNKWN UNKWN - - - CAN COMMCIRCUIT (U1000) -	AUTO DRIVE POS.	No indivision	-	-	-	UNKWN	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
HVAC Not individing - UNKWN - - UNKWN UNKWN - - - ABS - Vertical UNKWN UNKWN - - - - - - INDEX - Vertical - - - - - - -	BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
ABS - VE UNKWN UNKWN UNKWN CAN COMMOCINCUIT (UN600) -	HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-
	ABS	1	V	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
	IPDM E/R	No indivision	1	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-

Μ

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

				CA	N DIAG SU	PPORT MN	ITR				
	1 sereen	Initial	Transmit			Receive	diagnosis				
OLLOT OTOTEN	n screen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	INCOULD
ENGINE	-	ł	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCUI (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	1	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	_

Case 15

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

				CA	N DIAG SU	PPORT MN	ITR				
	1 sereen	Initial	Transmit			Receive	diagnosis				
	a scieen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		I NEGOLI G
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U 000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-
ABS	-	NG	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	1	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-

CAN SYSTEM (TYPE 4)

	[CAN]
CAN SYSTEM (TYPE 4)	PFP:23710
Component Parts and Harness Connector Location	A UKS004MM
Refer to LAN-25, "Component Parts and Harness Connector Location" .	
Schematic	UKS004MN
Refer to LAN-26, "Schematic".	
Wiring Diagram — CAN —	UKS004MO C
Refer to LAN-27, "Wiring Diagram — CAN —".	
	D

LAN

L

Μ

Е

F

G

Н

J

Check Sheet

UKS004Q0

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Check sheet ta	ıble												
			r	r	CAN	DIAG SU	PPORT N	INTR				-	
SELECT SYSTEM	A screen	Initial diagnosis	Transmit diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	RESULTS
ENGINE	-	_	UNKWN	_	UNKWN	UNKWN	_	UNKWN	_	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	H	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	_	_	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	<u> </u>
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	(U1000)	-
IPDM E/R	NO indication	-	UNKWN	UNKWN	-	-	_	UNKWN	-	-		U1000)	-
Symptoms :													
			S	Attach c ELECT S	opy of YSTEM			SE	Attach co ELECT SY	py of /STEM			
Disp	lay cont	rol unit Ir	anslation	Sheet: R	ewrite the	e tollowing	names,	and put a	check m	ark on the	e above c	heck sheet tab	le.
CAN COMM	Aajustm	ent Displa		Initia	I diagnos	uspiay is	CAN		ajustmer	It Display		METER/M	
CAN CIBC 1				Transr	nit diagnos	osis	CAN	CIRC 6					
CAN CIRC 2					BCM		CAN	CIRC 7				IPDM E/F	3
CAN CIRC 3					ECM		CAN	CIRC 8				<u> </u>	
CAN CIRC 4			i		HVAC		CAN	CIRC 9					
				C	AN DIAG	Attac display SUPPOF	ch copy o control u T MONIT	f init "OR chec	k sheet				

CAN SYSTEM (TYPE 4)



CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and driver seat control unit. Refer to <u>LAN-350</u>, "Inspection Between TCM and <u>Driver Seat Control Unit Circuit</u>".

		r											
					CAN	DIAG SU	PPORT N	INTR					
	l coroon	1.414.41	Turnerit				Receive	diagnosis					DECUITO
SELECT STOLEN	SCIECT	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	I NEGULIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	I	-	CAN COMM CIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	_	-	-	CAN COMMCIRCUIT (UN000)	_



[CAN]

В

С

D

Ε

F

Case 2

r

Check harness between driver seat control unit and data link connector. Refer to <u>LAN-354</u>, "Inspection A <u>Between Driver Seat Control Unit and Data Link Connector Circuit</u>".

					CAN	DIAG SU	PPORT N	INTR					
	1 coroon	La Mart	Turana				Receive (diagnosis					DECUITO
SELECT STOLE	VI SCIECII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	I NEGULIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T	1	NG	UNKWN	UNKWN	1	UNKWN	-	-	ł	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	+	-	-	UNKWN	UNKWN	ł	UNKWN	ł	-	-	CAN COMM CIRCUIT (UN00)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	I	UNKWN	UNKWN	I	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	



Н

J

LAN

L

Μ

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u><u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

					CAN	DIAG SU	IPPORT	INTR					
	l coroon	Initial	Transmit				Receive	diagnosis					
OLLEOF OTOTER		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	OLLI -DIAC	THEODERO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRC (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	UNKWN	ł	_	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	_	_	UNKWN	_	_	_	CAN COMM CIRCUIT	



CAN SYSTEM (TYPE 4)

[CAN]

А

В

С

D

Ε

F

Case 4

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
	l seroon	Initial	Transmit				Receive	diagnosis					DESUITS
SELECTOTOTEN	1 3010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SEE DIAC	INCOULO
ENGINE	1	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U 000)	CAN COMM CIRCU (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	_	-	-	CAN COMM CIRCUIT (U 000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	_	-	-	CAN COMM CIRCUIT (U 1000)	-



Μ

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
SELECT SYSTEM	l coroon	Initial	Transmit				Receive	diagnosis					
SELECTOTOTEN		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	INCOULIO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
													PKIC3232E



[CAN]

А

В

С

D

Ε

F

Case 6

Check driver seat control unit circuit. Refer to LAN-357, "Driver Seat Control Unit Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
	l seroon	Initial	Transmit				Receive (diagnosis					
SELECTOTOTEN	SCIECII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SEE -DIAC	INCOULO
ENGINE		-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	_	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	_	-	_	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	I	-	-	CAN COMM CIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	I	-	UNKWN	UNKWN	I	UNKWN	-	-	+
ABS		NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	1	-	-	CAN COMM CIRCUIT (U1000)	-



Μ

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
	l seroon	Initial	Transmit				Receive	diagnosis					
SELECT STOLEN	n scieen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-		UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	_	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	UNKWN	_	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	_	-	CAN COMM CIRCUIT (U1000)	-
													PKIC3234E



[CAN]

А

В

С

D

Ε

F

Case 8

Г

Check display control unit circuit. Refer to LAN-358, "Display Control Unit Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
	l coroon	la Mart	Transmit				Receive (diagnosis					DECUITO
SELECT STOTEM	n suiden	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SEE -DIAC	INCOULO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	1	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	4
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	+	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	



 \mathbb{N}

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
	l scroon	Initial	Tranomit				Receive	diagnosis					BESUITS
SELECT STOTEM	1 3010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	_	NG	UNKWN	UNKWN	-	UNKWN	-	_	_	UNKWN	_	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	_
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	_	_	UNKWN	_		_	CAN COMM CIRCUIT	



[CAN]

А

В

С

D

Е

F

Case 10

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
	l seroon	Initial	Transmit				Receive	diagnosis					
SELECT STOTEN	1 3010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SEE -DIAC	INCOULO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	_	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	H	UNKWN	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	_	-	-	CAN COMM CIRCUIT (U1000)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	_	-	-	CAN COMM CIRCUIT (U1000)	-



 \mathbb{N}

٦

Case 11

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
SELECT SYSTEM screen		Initial diagnosis	Transmit diagnosis	Receive diagnosis								SELE-DIAG RESULTS	
				ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SELF-DIAG RESULTS	
ENGINE	-	-	UNKWN	1	UNKWN	UNKWN	-	UNKWN	I	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	_	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	_	-	_	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	1	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	UNKWN	-	_	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	_	-	-	CAN COMM CIRCUIT (U1000)	_


[CAN]

Case 12

r

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "<u>ABS Actuator and Electric Unit</u> <u>(Control Unit) Circuit Inspection</u>".

					CAN	DIAG SU	PPORT N	/NTR					
	1 coroon	la Mart	Transmit				Receive (diagnosis					DECUITO
SELECTOTOTEN	a succi	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SEE -DIAC	INEGOEIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN01)
A/T	-	NG	UNKWN	UNKWN	Ι	UNKWN	-	-	ł	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	_
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	I	UNKWN	UNKWN	I	UNKWN	-	-	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	-	_	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	



D F G H

В

С

J

L

Μ

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
	l scroon	Initial	Transmit				Receive	diagnosis					
SELECT STOTEN	SUCCI	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SEE -DIAC	INCOULIO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	1	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	1	UNKWN	-	-	1	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	+	-	-	UNKWN	UNKWN	-	UNKWN	I	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	I	UNKWN	-	1
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	I	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	_		-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication		UNKWN	UNKWN	-	-	-	UNKWN	_	-	-	CAN COMM CIRCUIT	



Case 14

Г



					CAN	DIAG SU	PPORT N	MNTR					
	l coroon	Initial	Transmit				Receive	diagnosis					
SELECT STOTEN	I SUICCII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R		L NEGOLIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (UN000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	
AUTO DRIVE POS.	No inditation	-	I	-	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U 1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	_	-	-	CAN COMM CIRCUIT	

А Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to LAN-364, "IPDM E/R Ignition Relay Circuit Inspection".

					CAN	DIAG SU	PPORT N	/NTR					
	l coroon	Initial	Transmit				Receive	diagnosis					
SELECT STOTEM		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SLLI-DIAC	INEGOLIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (UN000)	CAN COMM CIRCUI (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	_	_	_	_	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	_	-	-	CAN COMM CIRCUIT (U1000)	

Case 16

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to LAN-364, "IPDM E/R Ignition Relay Circuit Inspection"

					CAN	DIAG SU	PPORT N	INTR					
	l sereen	Initial	Transmit				Receive	diagnosis					
SELECT STOTEN	I SUICEII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	I NEGULIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	1	UNKWN	1	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	-	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	I	UNKWN	UNKWN	-	UNKWN	I	-	H	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	I	UNKWN	-	-	-
ABS	-	NG	UNKWN	-	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

Н

I

J

F

В

С

D

Е

LAN

L

Μ

	[CAN]
CAN SYSTEM (TYPE 5)	PFP:23710
Component Parts and Harness Connector Location	UKS004MQ
Refer to LAN-25, "Component Parts and Harness Connector Location".	
Schematic	UKS004MR
Refer to LAN-26, "Schematic".	
Wiring Diagram — CAN —	UKS004MS
Refer to LAN-27, "Wiring Diagram — CAN —".	

Check Sheet

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

					CAN DIA	G SUPPO	RT MNTR					
	Micoroon	Initial	Transmit			Rec	eive diagn	osis				
SELECT 5131E	W SCIEEN	diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELI-DIAG	I NESOLI S
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN		UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-		-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	1	-	UNKWN		UNKWN	UNKWN	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	1	CAN COMM CIRCUIT (U1000)	-

Symptoms :

Attach copy of SELECT SYSTEM Attach copy of SELECT SYSTEM

LAN

L

Μ

PKIC2941E

[CAN]

UKS004PZ

А

В

С

D

Ε

F

Н

I

J



CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and data link connector. Refer to <u>LAN-351</u>, "Inspection Between TCM and Data <u>Link Connector Circuit</u>".

ſ											ſ	
					CAN DIA	Bec	eive diagn	osis				
SELECT SYSTE	VI screen	Initial diagnosis	Transmit diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	A RESULTS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ВСМ	No indication	NG	UNKWN	UNKWN	I	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	1	-	UNKWN	-	UNKWN	UNKWN	_	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	I	CAN COMM CIRCUIT (UN00)	1
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-



А

В

С

D

Ε

F

PKIC3244E

Г

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u> <u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

					CAN DIA	G SUPPO	RT MNTR					
	Miscroon	Initial	Tranomit			Rec	eive diagn	osis				RESULTS
	W SCIECH	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	_	UNKWN	UNKWN	_	-	UNKWN	-	UNKWN	UNKWN	_	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No inditation	1	UNKWN	UNKWN	-	-	UNKWN	1	-	-	CAN COMM CIRCUIT (UN00)	-



[CAN]

А

В

С

D

Ε

F

Н

J

Case 3

Г

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

					CAN DIA	G SUPPO	rt Mntr					
SELECT SYSTEM	M screen	Initial	Tranomit		_	Rec	eive diagn	osis	-			BESUITS
OLLEON OTOTE	W SOLCON	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	OLLI DIAC	
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	_	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	1	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-



Μ

L

٦

Case 4

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

SELECT SYSTEM screen Initial diagnosis Transmit diagnosis Receive diagnosis VDC/TCS / ABS IPDM E/R ENGINE - - UNKWN - UNKWN UNKWN - UNKWN CA A/T - NG UNKWN UNKWN - - UNKWN - CA	SELF-DIAG	RESULTS
ENGINE - - UNKWN - UNKWN UNKWN UNKWN - UNKWN CA A/T - NG UNKWN UNKWN - UNKWN - - UNKWN - CA		
ENGINE - UNKWN - UNKWN UNKWN - UNKWN UNKWN CA A/T - NG UNKWN UNKWN - - UNKWN - CA	CAN COMM CIRCUIT	CAN COMM/CIRCUIT
A/T - NG UNKWN UNKWN - UNKWN - UNKWN - CA		(UN001)
	CAN COMM CIRCUIT (UN00)	-
BCM No Indication NG UNKWN UNKWN - UNKWN - UNKWN - UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC No - UNKWN UNKWN UNKWN - UNKWN UNKWN	-	_
ABS – NG UNKWN UNKWN UNKWN – – UNKWN – – ^{Ca}	CAN COMMICIRCUIT (UN00)	_
IPDM E/R No indication - UNKWN - - UNKWN - CA	CAN COMM CIRCUIT (U1000)	-



Case 5

Г

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

				rt Mntr	G SUPPO	CAN DIA					
			osis	eive diagn	Rec			Tranamit	Initial	A scroon	
	IPDM E/R	VDC/TCS /ABS	STRG	BCM/SEC	METER /M&A	TCM	ECM	diagnosis	diagnosis	n soreen	SELECTOTOTEN
CAN COMM CIRCUIT CAN COMM CIRCUIT (U1000) (U1001)	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	ENGINE
CAN COMMICIRCUIT (UN00)	-	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	NG	-	A/T
CAN COMM CIRCUIT	UNKWN	-	I	-	UNKWN	-	UNKWN	UNKWN	NG	No indication	BCM
	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	-	No indication	HVAC
CAN COMM CIRCUIT	-	-	UNKWN	-	1	UNKWN	UNKWN	UNKWN	NG	-	ABS
CAN COMM CIRCUIT	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	No indication	IPDM E/R



Μ

L

٦

А

В

С

D

Е

F

Н

J

Case 6

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
SELECT SYSTEM	M screen	Initial	Transmit			Rec	eive diagn	osis			SELE-DIAC	BESULTS
		diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	_	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	١	UNKWN	UNKWN	-	-	UNKWN	I	-	-	CAN COMM CIRCUIT (UN00)	-
												PKIC3249E



Case 7

Г

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

				rt Mntr	G SUPPOI	CAN DIA					
		Receive diagnosis							Initial	l scroon	
SEEP DIAG NESSERS	IPDM E/R	VDC/TCS /ABS	STRG	BCM/SEC	METER /M&A	TCM	ECM	diagnosis	diagnosis	- SCICCII	SELECTOTOTEN
CAN COMM CIRCUIT CAN COMM CIRCUIT (U1000) (U1001)	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	ENGINE
CAN COMM CIRCUIT (U1000) —	-	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	NG	-	A/T
CAN COMM CIRCUIT (U1000) —	UNKWN	-	-	-	UNKWN	-	UNKWN	UNKWN	NG	No inditiation	BCM
	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	-	No indication	HVAC
CAN COMM CIRCUIT (U1000)	-	-	UNKWN	1	1	UNKWN	UNKWN	UNKWN	NG	-	ABS
CAN COMM CIRCUIT (U1000) —	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	No indication	IPDM E/R



М

А

В

С

D

Е

F

Check steering angle sensor circuit. Refer to LAN-360, "Steering Angle Sensor Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR	•				
SELECT SYSTE	M screen	Initial diagnosis	Transmit diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	A RESULTS
ENGINE	-	_	UNKWN		UNKWN	UNKWN	UNKWN	_	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	1
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	_	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
												PKIC3251E



Case 9

Г

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

				RT MNTR	G SUPPO	CAN DIA					
			osis	eive diagn	Rec			Transmit	Initial	1 coroon	
SEEF DIAG RESULTS	IPDM E/R	VDC/TCS /ABS	STRG	BCM/SEC	METER /M&A	TCM	ECM	diagnosis	diagnosis	SCIECII	SELECT STOTEM
CAN COMM CIRCUIT (U1000) (U1001)	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	1	UNKWN	-	-	ENGINE
CAN COMM CIRCUIT (U1000)	-	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	NG	-	A/T
CAN COMM CIRCUIT (U1000) —	UNKWN	-	-	-	UNKWN	-	UNKWN	UNKWN	NG	No indication	BCM
	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	-	No indication	HVAC
CAN COMM CIRCUIT (U1000)	I	-	UNKWN	-	1	UNKWN	UNKWN	UNKWN	NG	-	ABS
CAN COMM CIRCUIT (U1000)	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	No indication	IPDM E/R



 \mathbb{N}

٦

А

В

С

D

Ε

F

r

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "<u>ABS Actuator and Electric Unit</u> (<u>Control Unit</u>) <u>Circuit Inspection</u>".

					CAN DIA	G SUPPO	RT MNTR					
	M scroon	Initial	Tranamit			Rec	eive diagn	osis				
322201 31312		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ABS	-	₩	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



[CAN]

А

В

С

D

Ε

F

Н

Case 11

Г

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

				RT MNTR	G SUPPO	CAN DIA					
SELE-DIAG RESULTS		ansmit Receive diagnosis							Initial	A screen	SELECT SYSTEM
	IPDM E/R	VDC/TCS /ABS	STRG	BCM/SEC	METER /M&A	TCM	ECM	diagnosis	diagnosis	in bondoni	
CAN COMM CIRCUIT CAN COMM CIRCUIT (U1000) (UN01)	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN		UNKWN	-	-	ENGINE
CAN COMM CIRCUIT (U1000)	I	UNKWN	-	-	UNKWN	ł	UNKWN	UNKWN	NG	-	A/T
CAN COMM CIRCUIT (U1000)	UNKWN	-	-	-	UNKWN	Ι	UNKWN	UNKWN	NG	No indication	BCM
	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	-	No indication	HVAC
CAN COMM CIRCUIT	I	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	NG	-	ABS
CAN COMMICIRCUIT	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	No inditation	IPDM E/R



Case 12

Check CAN communication circuit. Refer to LAN-363, "CAN Communication Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	1 coroon	امتناما	Transmit			Rec	eive diagn	osis				
3000 31310	VI SCIEEII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	I NEGOLIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (UN000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	I	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ВСМ	No inditiation	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	_	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No inditiation	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-

Μ

L

LAN

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

					CAN DIA	G SUPPO	RT MNTR				1	
SELECT SYSTE	M screen	Initial	Tranomit		-	Rec	eive diagn	osis				BESUITS
322201 01011		diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	OLLI-DIAC	THEODERS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	_	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

Case 14

Γ

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

					CAN DIA	G SUPPO	RT MNTR					
	M scroon	Initial	Tranomit			Rec	eive diagn	osis				RESULTS
522201 515121	VI SCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	_	1	UNKWN		UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	-	F	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	I	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	1	-	UNKWN	-	UNKWN	UNKWN	_	-
ABS	-	NG	UNKWN	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	١	UNKWN	UNKWN	ł	-	UNKWN	-	-	1	CAN COMM CIRCUIT (U1000)	-
												DKIO22575

	[CAN]
CAN SYSTEM (TYPE 6)	PFP:23710
Component Parts and Harness Connector Location	A UKS004MU
Refer to LAN-25, "Component Parts and Harness Connector Location".	
Schematic	UKS004MV
Refer to LAN-26, "Schematic".	
Wiring Diagram — CAN —	UKS004MW C
Refer to LAN-27, "Wiring Diagram — CAN —".	
	D

LAN

Е

F

G

Н

J

L

Μ

Check Sheet

UKS004PY

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

					CAN DIA	G SUPPO	RT MNTR	! -				
SELECT SYSTEM	1 screen	Initial diagnosis	Transmit diagnosis	ECM	тсм	Hec METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULTS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	-	NG	UNKWN	UNKWN	_	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	1	-	UNKWN	UNKWN	UNKWN	1	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	_	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	_	-	UNKWN	1	-	-	CAN COMM CIRCUIT (U1000)	-
			ASEL	ttach copy .ECT SYS	of TEM			Attach o SELECT :	copy of SYSTEM			



PKIC3258E

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and driver seat control unit. Refer to <u>LAN-350</u>, "Inspection Between TCM and <u>Driver Seat Control Unit Circuit</u>".

					CAN DIA	G SUPPO	RT MNTR					
	1 coroon	Initial	Tranamit			Rec	eive diagn	osis				
SELECT STOLEN	/ Scieen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	I NEGULI G
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	_	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT	-



Γ

Check harness between driver seat control unit and data link connector. Refer to <u>LAN-354</u>, "Inspection A <u>Between Driver Seat Control Unit and Data Link Connector Circuit</u>".

					CAN DIA	G SUPPO	RT MNTR					
	1 scroon	Initial	Transmit			Rec	eive diagn	osis				RESULTS
SELECT OTOTER	1 3010011	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	JEL DIA	
ENGINE	-	-	UNKWN	H	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-		UNKWN	-	CAN COMMCIRCUIT (UN000)	-
AUTO DRIVE POS.	No inditation	-	-	1	UNKWN	UNKWN	UNKWN	-	-	1	CAN COMMCIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-



F G

J

L

Μ

В

С

D

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u> <u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

					CAN DIA	G SUPPO	RT MNTR					
	1 sereen	Initial	Transmit			Rec	eive diagn	osis				
SELECT STOLEN	A SCIECI	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	INCOULD
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN 000)	_
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT	-



[CAN]

٦

А

В

С

D

Ε

F

Case 4

Г

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	1 coroon	Initial	Transmit			Rec	eive diagn	osis				DESUITS
SELECT STOLEN	a scieen	diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		NESOEI S
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN		UNKWN	UNKWN	CAN COMM CIRCUIT C (UN00)	AN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN			UNKWN	-	CAN COMMCIRCUIT (UN00)	
AUTO DRIVE POS.	No indication	_	-	I	UNKWN	UNKWN	UNKWN		-	1	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	ł	UNKWN	-		I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	ł	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	F	-	UNKWN	-	-	-	CAN COMMCIRCUIT (UN000)	-



 \mathbb{N}

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	Looroon	Latita I	Transmit			Rec	eive diagn	osis				
SELECT STOTEN	/ Scieen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	I NEGULI G
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (UN000)	CAN COMMCIRCU (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	H	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	I	CAN COMMICIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



Case 6

Г

Check driver seat control unit circuit. Refer to LAN-357, "Driver Seat Control Unit Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
SELECT SYSTEM	l scroon	Initial	Transmit			Rec	eive diagn	osis				RESULTS
SELECT OF OTEN	1 3010011	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		HEODEIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN		UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	1	UNKWN		-	UNKWN	-	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No indication	-	н	I	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	I	UNKWN	-		-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	I	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	I	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



M

[CAN]

А

В

С

D

Е

F

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	Looroon	Latita I	Trenent			Rec	eive diagn	osis				DECUITO
SELECT STOTEM	/i screen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	I NESULIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCU (U 201)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	1	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



[CAN]

А

В

С

D

Ε

F

Case 8

Г

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	1 sereen	Initial	Tranamit			Rec	eive diagn	osis				
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		INCOULD
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN		UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-		UNKWN	-	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN		-	-	CAN COMMCIRCUIT (UN00)	-
BCM	No inditation	NG	UNKWN	UNKWN	I	UNKWN	-		1	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-		UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	Н	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-



 \mathbb{N}

Г

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
SELECT SYSTEM	l scroon	Initial	Tropomit			Rec	eive diagn	osis				BESUITS
SELECT OF OTEN	13010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T		NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	H	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indition	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



Case 10

Г

Check steering angle sensor circuit. Refer to LAN-360, "Steering Angle Sensor Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	1 coroon	Initial	Transmit			Rec	eive diagn	osis				
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	INESOEIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN		UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	1	UNKWN	-		UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	_	+	1	UNKWN	UNKWN	UNKWN		1	ł	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	I	UNKWN	-		-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	I	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-		UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	I	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



М

٦

А

В

С

D

Е

F

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	1 seroon	Initial	Transmit			Rec	eive diagn	osis				
SELECT STOLEN	a screen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SEE DIAC	INCOULD
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



[CAN]

В

С

D

Case 12

А Check ABS actuator and electric unit (control unit) circuit. Refer to LAN-362, "ABS Actuator and Electric Unit (Control Unit) Circuit Inspection".

					CAN DIA	G SUPPO	RT MNTR					
	Looroon	lation (Transmit			Rec	eive diagn	osis				DECLITE
JELEUT STOTEN	/ Scieen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	A RESULTS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMICIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	V	UNKWN	UNKWN	UNKWN	_	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



Ε F Н

J

L

Μ

1

Case 13

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	Looroon	Latita I	Trenenia			Rec	eive diagn	osis				
SELECT STOLEN	a screen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SEE DIAC	INCOULD
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCU (U 201)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	I	H	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	I	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT	-



Case 14



					CAN DIA	<u>G SUPPO</u>	RT MNTR					
SELECT SYSTEM screen		Initial	Transmit diagnosis									
		diagnosis		ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	1	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-
BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No inditiation	-	UNKWN	UNKWN	_	-	UNKWN	-	-	-	CAN COMM CIRCUIT	-

[CAN]

В

С

D

Е

F

Case 15

А Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to LAN-364, "IPDM E/R Ignition Relay Circuit Inspection".

				1								
SELECT SYSTEM screen		Latita I	Transmit diagnosis									
		diagnosis		ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELF-DIAG RESULTS	
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMMICIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	+	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	_	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

Case 16

ſ

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to LAN-364, "IPDM E/R Ignition Relay Circuit Inspection"

											-	
SELECT SYSTEM screen		n Initial diagnosis	Transmit diagnosis									
				ECM	ТСМ	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R	SELF-DIAG RESULTS	
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	1	1	UNKWN	UNKWN	UNKWN	-	-	ł	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	I	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (UN 000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	Г	I	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
												PKIC3273E

Н

I

LAN

	[CAN]
CAN SYSTEM (TYPE 7)	PFP:23710
Component Parts and Harness Connector Location	UKS004MY
Refer to LAN-25, "Component Parts and Harness Connector Location"	
Schematic	UKS004MZ
Refer to LAN-26, "Schematic".	
Wiring Diagram — CAN —	UKS004N0
Refer to LAN-27, "Wiring Diagram — CAN —".	
Check Sheet

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

				[Ci	an diag	Rece	PREMN eive diag	nosis					
SELECT SYSTEN	1 screen	Initial diagnosis	Transmit diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	RESULTS
NGINE	-	-	UNKWN	_	UNKWN	UNKWN	-	UNKWN	-	_	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
/Т	-	NG	UNKWN	UNKWN	_	UNKWN	-	-	-	_	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
JTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
splay control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
СМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
VAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
 3S	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	_	CAN COMM CIRCUIT	-
'DM E/R	No indication		UNKWN	UNKWN		-	-	UNKWN	-	_	-	_	CAN COMM CIRCUIT (U1000)	-
				Attach SELECT	copy of SYSTE	M			Atta SELE	ach copy CT SYS	of STEM			
Disp Confirmation//	lay cont Adjustme	rol unit T ent Displ	ranslatio	n Sheet: Check s	Rewrite sheet tab	the folic	wing nar ay	nes, and Confirma	l put a ch ition/Adju	neck mar ustment	'k on the Display	above c	heck sheet tab	e Display
AN COMM				Trar	ismit dia	gnosis		CAN CIF	1C 5 1C 6					xA
AN CIRC 2					BCM			CAN CIF	RC 7			1	IPDM E/F	3
CAN CIRC 3					ECM HVAC	;		CAN CIF	8 C 8			 	-	
					CAN DI	dia AG SUP	Attach co splay cor PORT M	opy of trol unit ONITOF	} check s	heet				

А

В

С

D

Ε

F

G

Н

I

J

LAN

L

Μ



CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

ſ

Check harness between TCM and driver seat control unit. Refer to LAN-350, "Inspection Between TCM and Driver Seat Control Unit Circuit" .

					C/	AN DIAG	SUPPC	DRT MN1	ſŔ					
SELECT SYSTEM	Ascreen	Initial	Tranemit				Rece	eive diag	nosis				SELE-DIAC	
OLLOT OTOTL		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	I	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	_	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	ł	UNKWN	-	-	ŀ	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	_	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	_	-	UNKWN	_	-	_	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN000)	-
														PKIC3274E



С

D

Ε

F

J

L

А

[CAN]

Check harness between driver seat control unit and data link connector. Refer to <u>LAN-354</u>, "Inspection <u>Between Driver Seat Control Unit and Data Link Connector Circuit</u>".

					C	AN DIAG	SUPPC	DRT MN1	ſR					
SELECT SYSTEM	l screen	Initial	Tranomit				Rece	eive diag	nosis					BESUITS
		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	ł	UNKWN	UNKWN	-	UNKWN	-	I	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN 000)	-
AUTO DRIVE POS.	No inditation	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	1	1	CAN COMMCIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	Ι	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	ł	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	1	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	_	_	-	UNKWN	_	-	_	CAN COMMCIRCUIT (UN200)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-



[CAN]

В

С

D

Ε

F

Н

Case 3

r

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u><u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

					C/	AN DIAG	SUPPC	DRT MNT	R					
	l scroon	Initial	Transmit				Rece	eive diagr	nosis					
	0010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE		-	UNKWN	ŀ	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCU (U c01)
A/T	-	NG	UNKWN	UNKWN	+	UNKWN	-	-	I	-	UNKWN	-	CAN COMM CIRCUIT (U 000)	-
AUTO DRIVE POS.	No indication	-	1	1	UNKWN	UNKWN	-	UNKWN	1	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	I	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	1	UNKWN	UNKWN	1	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMMCIRCUIT (UN000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT	



M

L

LAN

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

													•	
					C	AN DIAG	SUPPC	DRT MN1	R					
SELECT SYSTEM	l coroon	Initial	Tranamit				Rece	eive diag	nosis					BESHITS
GLEOTOTOTER	0010011	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (UN000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	Ι	-	UNKWN	-	CAN COMM CIRCUIT (U 000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	I	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	_	_	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN200)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT	-



[CAN]

А

В

С

D

Ε

F

Case 5

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

					C/	AN DIAG	SUPPO	DRT MN1	ſR					
SELECT SYSTEM	l screen	Initial	Tranomit				Rece	eive diag	nosis					BESHITS
OLLOT OTOTER	0010011	diagnosis	diagnosis	ECM TCM METER DISPLAY BCM/SEC STRG HVAC VDC/TCS IPDM E/R //M&A UNKWN - UNKWN - UNKWN UNKWN UNKWN										
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	I	-	UNKWN	UNKWN	CAN COMM CIRCUIT (UN 000)	CAN COMM CIRCUIT (UN 001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	Н	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	1	-	+	-	CAN COMMCIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
ВСМ	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	ł	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	1	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMMCIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-



 \mathbb{N}

Check driver seat control unit circuit. Refer to LAN-357, "Driver Seat Control Unit Circuit Inspection" .

					C	AN DIAG	SUPPC	DRT MN1	ſR					
SELECT SYSTEM	l screen	Initial	Tranomit				Rece	eive diag	nosis					BESUITS
OLLOT OTOTER	Scieccii	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R	OLLI DIA	
ENGINE		-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	I	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No individual	-	-	-	UNKWN	UNKWN	-	UNKWN	1	-	1	-	CAN COMMCIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	ŀ	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	1	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-



[CAN]

А

В

С

D

Е

F

Case 7

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

					C	AN DIAG	SUPPO	DRT MN1	R					
	1 coroon	Initial	Transmit				Rece	eive diag	nosis					DECHITS
SELECT OTOTER	1 3010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R		HEODEIG
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U 1000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	I	UNKWN	-	UNKWN	-	UNKWN	1	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	ł	UNKWN	-	-	ł	-	ł	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	1	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-



Μ

Case 8

Check display control unit circuit. Refer to LAN-358, "Display Control Unit Circuit Inspection" .

					C	AN DIAG	SUPPC	DRT MN1	ſR					
	1 coroon	Initial	Transmit				Rece	eive diag	nosis					
SLEEDT STOTEM	1 SCIECII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	I NESOLIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T		NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	_	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication		-	_	UNKWN	UNKWN	_	UNKWN	_	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	_	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	_	-	UNKWN	-	-	-
ABS	_	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	_	1	_	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
														PKIC3281E



[CAN]

А

В

С

D

Ε

F

Case 9

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

					C	AN DIAG	SUPPO	DRT MN	ſR					
SELECT SYSTEM	l screen	Initial	Tranomit				Rece	eive diag	nosis					RESULTS
OLLOT OTOTER	0010011	diagnosis	diagnosis	ECM TCM METER DISPLAY BCM/SEC STRG HVAC VDC/TCS IPDM										TILOOLIO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	H	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (U 200)	-
Display control unit	-	NG	UNKWN	UNKWN	I	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	I	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT	-



Μ

Case 10

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

					Ci	AN DIAC	à SUPPC	ORT MNT	ſR					
SELECT SYSTEM	l screen	Initial	Tranomit				Rece	vive diag	nosis					
OLLOT OT OT LW	13010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	_	UNKWN	-	UNKWN	UNKWN	_	UNKWN	_	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T		NG	UNKWN	UNKWN		UNKWN	_	_			UNKWN		CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No inditation	_		_	UNKWN	UNKWN	_	UNKWN		_	_	-	CAN COMM CIRCUIT (U1000)	_
Display control unit		NG	UNKWN	UNKWN	-	UNKWN	_	UNKWN	_	UNKWN	_	UNKWN	_	-
ВСМ	No indition	NG	UNKWN	UNKWN	-	UNKWN	-	-	_	_	_	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	_	UNKWN	UNKWN	-	-	UNKWN	UNKWN		_	UNKWN	-	_	-
ABS		NG	UNKWN	UNKWN	UNKWN		_ !	_	UNKWN	_ !		_	CAN COMM CIRCUIT (U1000)	_
IPDM E/R	No indication	_	UNKWN	UNKWN	-	-	_	UNKWN	_	_	-	-	CAN COMM CIRCUIT (U1000)	-



[CAN]

А

В

С

D

Е

F

Case 11

Check steering angle sensor circuit. Refer to LAN-360, "Steering Angle Sensor Circuit Inspection" .

					C/	AN DIAG	SUPPO	DRT MN1	R					
	l coroon	Initial	Transmit				Rece	eive diag	nosis					
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R	SELI -DIAG	I NEGOLI G
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	Ι	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	_	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	ł	UNKWN	-	-	ł	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-		-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-



 \mathbb{N}

٦

Case 12

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

		-												
					C	AN DIAG	SUPPC	DRT MN1	ſR					
SELECT SYSTEM	l scroon	Initial	Transmit				Rece	eive diag	nosis					
GELLOT OTOTEN	1 3010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	_	UNKWN	_	-	-	-	CAN COMM CIRCUIT (U1000)	_
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	_	_	-	UNKWN	_	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-



r

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "ABS Actuator and Electric Unit <u>(Control Unit) Circuit Inspection</u>".

					CA	AN DIAG	SUPPC	DRT MN1	ſŔ					
	l coroon	Initial	Tranamit				Rece	eive diagi	nosis					
	1 3010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	ŀ	UNKWN	UNKWN	-	UNKWN	I	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	1	ł	-		-	CAN COMMCIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	_
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	H	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	1	1	UNKWN	UNKWN	1	-	UNKWN	-	-	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-



D F G

В

С

J

L

Μ

Г

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

					C	AN DIAG	SUPPC	DRT MN1	ſR					
SELECT SYSTEM	1 scroon	Initial	Tranamit				Rece	eive diag	nosis				SELE-DIAG	
SELECT OF OTEN	1 3010011	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R		THEODERG
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	1	-	-	UNKWN	ł	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	_	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNK	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	+	-	-	I		CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	_	-	UNKWN	_	-	_	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	_	-	-	1	CAN COMM CIRCUIT (UN00)	-



Case 15

Г



					C	AN DIAG	SUPPC	DRT MN1	ſŔ					
	1 coroon	Initial	Transmit				Rece	eive diag	nosis					
SELECT STOLEN	Scieen	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMMCIRCUIT (UN00)	CAN COMM CIRCI (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	1	-	CAN COMMCIRCUIT (UN200)	_
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	ł	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT	-

А Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to LAN-364, "IPDM E/R Ignition Relay Circuit Inspection" . r

					C	AN DIAG	SUPPC	DRT MN1	ſR					
	l coroon	Initial	Transmit				Rece	eive diag	nosis					
SELECT STOLEN	n screen	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	I NEGOLI G
ENGINE	-	-	UNKWN	ł	UNKWN	UNKWN	-	UNKWN	I	-	UNKWN	UNKWN	CAN COMM CIRCUIT (UN000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	1	-	+	-	CAN COMMCIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	Н	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	1	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

Case 17

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to LAN-364, "IPDM E/R Ignition Relay Circuit Inspection".

					C	AN DIAG	SUPPO	ORT MNT	R					
	1 scroon	Initial	Tranamit				Rece	eive diagr	nosis					
SELECT STOTEN	1 3010011	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	I	-	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	1	1	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	-	UNKWN	_	_	-	_	-	-	-	CAN COMMCIRCUIT (UN000)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

Н

I

F

В

С

D

Е

J

LAN

	[CAN]
CAN SYSTEM (TYPE 8)	PFP:23710
Component Parts and Harness Connector Location	UK\$004N2
Refer to LAN-25, "Component Parts and Harness Connector Location" .	
Schematic	UKS004N3
Refer to LAN-26, "Schematic".	
Wiring Diagram — CAN —	UKS004N4
Refer to LAN-27, "Wiring Diagram — CAN —".	

Check Sheet

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

					CAN DIA	G SUPPO	RT MNTR					
	Lecroon	Initial	Transmit			Rec	eive diagn	osis				
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	A RESOLTS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	I	UNKWN	Ŧ	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	1	UNKWN	UNKWN	1	-	UNKWN	-	UNKWN	UNKWN	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
Symptoms :												

Attach copy of SELECT SYSTEM Attach copy of SELECT SYSTEM

LAN

А

В

С

D

Ε

F

G

Н

I

J

PKIC2944E



CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and data link connector. Refer to <u>LAN-351</u>, "Inspection Between TCM and Data <u>Link Connector Circuit</u>".

					CAN DIA	G SUPPO	RT MNTR					
	l seroon	Initial	Transmit			Rec	eive diagn	osis				
SELECT STOLEN	SCIEELI	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	INESOEIS
ENGINE	-	-	UNKWN	H	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ВСМ	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	Ι	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	H	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMMICIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMMCIRCUIT (UN00)	-
												PKIC3291E



Н

А

В

LAN

Μ

L

٦

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u> <u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

					CAN DIA	G SUPPO	RT MNTR					
	1 sereen	Initial	Tranamit			Rec	eive diagn	iosis				
SELECT STOTEN	SCIECII	diagnosis	diagnosis	ECM	TCM	TCM METER BCM/SEC AWD/4WD VDC/TCS IP					SELI-DIAC	INCOULD
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	4
HVAC	No indication	I	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	I
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT	-



[CAN]

А

В

С

D

Ε

F

Case 3

Г

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	1 sereen	Initial	Transmit			Rec	eive diagn	osis				DESILITS
SELECT STOLEN	SCIEEN	diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		ILSOLIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT C (UN00)	AN COMM CIRCUI (UN01)
A/T	-	NG	UNKWN	UNKWN	_	UNKWN	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-		UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	I	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMMCIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-		UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-



 \mathbb{N}

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	1 sereen	Initial	Tranamit			Rec	eive diagn	iosis				
SELECT STOLEN	Scieen	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMMCIRCU (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	I	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



Case 5

Г

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	1 coroon	Initial	Tranamit			Rec	eive diagn	osis				DESLITS
SELECT STOLEN	SCIEELI	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		NLOULI O
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT ((U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN00)	
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-		UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	I	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	+	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN			UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



M

А

В

С

D

Ε

F

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	1 coroon	Lattel	Transmit			Rec	eive diagn	iosis				
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	R BCM/SEC AWD/4WD VDC/TCS IPDM E/R					INCOULD
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCU (U 201)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	I	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT	-



Case 7

Γ

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

				RT MNTR	G SUPPO	CAN DIA					
			osis	eive diagn	Rec			Tranamit	Initial	1 sereen	
SEE -DIAG NESOEIS	IPDM E/R	VDC/TCS /ABS	AWD/4WD	BCM/SEC	METER /M&A	TCM	ECM	diagnosis	diagnosis	Scieen	SELECT STOTEM
CAN COMM CIRCUIT CAN COMM CIRCUIT (U1000) (U1001)	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	ENGINE
CAN COMM CIRCUIT	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	NG	-	A/T
CAN COMM CIRCUIT	UNKWN	-	-	4	UNKWN	1	UNKWN	UNKWN	NG	No inditation	BCM
	UNKWN	UNKWN	-	UNKWN		I	UNKWN	UNKWN	-	No inditation	HVAC
CAN COMM CIRCUIT	-	UNKWN	-	ł	UNKWN	UNKWN	UNKWN	UNKWN	NG	-	ALL MODE AWD/4WD
CAN COMM CIRCUIT	-	-	UNKWN			UNKWN	UNKWN	UNKWN	NG	-	ABS
CAN COMM CIRCUIT	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	No inditation	IPDM E/R



M

А

В

С

D

Е

F

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	1 sereen	Initial	Transmit			Rec	eive diagn	iosis				
SELECT STOLEN	A SCIECH	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		I NESOLIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T		NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



Case 9

Г

Check transfer control unit circuit. Refer to LAN-361, "Transfer Control Unit Circuit Inspection" .

				RT MNTR	G SUPPOI	CAN DIA					
			iosis	eive diagn	Rec			Tranamit	Initial	1 coroon	
SELI-DIAG NESOLIS	IPDM E/R	VDC/TCS /ABS	AWD/4WD	BCM/SEC	METER /M&A	тсм	ECM	diagnosis	diagnosis	SCIECII	SELECT STOLEN
CAN COMM CIRCUIT CAN COMM CIRCU (U1000) (U1001)	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	ENGINE
CAN COMM CIRCUIT (U1000)	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	NG	-	A/T
CAN COMM CIRCUIT	UNKWN	-	-	1	UNKWN	1	UNKWN	UNKWN	NG	No indication	BCM
	UNKWN	UNKWN	-	UNKWN	I	ł	UNKWN	UNKWN	-	No indication	HVAC
CAN COMM CIRCUIT (UN000)	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	UNKWN	NG	-	ALL MODE AWD/4WD
CAN COMM CIRCUIT (UN000)	-	-	UNKWN	-	I	UNKWN	UNKWN	UNKWN	NG	-	ABS
CAN COMM CIRCUIT (U1000)	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	No indication	IPDM E/R



М

А

В

С

D

Ε

F

٦

Case 10

Check ABS actuator and electric unit (control unit) circuit. Refer to LAN-362, "ABS Actuator and Electric Unit (Control Unit) Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	CT SYSTEM screen laitig Tracemit Receive diagnosis											
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	THE SOLIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCU (U c01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	I	CAN COMMCIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



[CAN]

А

В

С

D

Ε

F

Н

Case 11

Г

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	l sereen	Initial	Tranamit			Rec	eive diagn	osis				DESUITS
SELECT STOLEN	SCIEELI	diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		INESOEI S
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-		UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	I	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditation	1	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-



Case 12

Check CAN communication circuit. Refer to LAN-363, "CAN Communication Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	Looroon	Initial	Transmit			Rec	ceive diagr	iosis				DECUITO
SELECT STOTEN	SCIECII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	INCOULO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMMCIRCL (UN01)
A/T		NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No inditiation	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-

M

L

LAN

٦

Case 13

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to LAN-364, "IPDM E/R Ignition Relay Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	1 sereen	Initial	Transmit			Rec	eive diagn	iosis				
SELECT STOTEN	i scieen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	INESULIS
ENGINE	-	-	UNKWN		UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMMICIRO (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

Case 14

Γ

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to LAN-364, "IPDM E/R Ignition Relay Circuit Inspection"

					CAN DIA	G SUPPO					T	
	1.001000	1	T		0,110	Rec	eive diagn	iosis				
SELECT STOTEN	/ Scieen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	A RESULTS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (UN200)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
					-							
												PKIC3304E

	[CAN]
CAN SYSTEM (TYPE 9)	PFP:23710
Component Parts and Harness Connector Location	UKS004N6
Refer to LAN-25, "Component Parts and Harness Connector Location".	
Schematic	UKS004N7
Refer to LAN-26, "Schematic".	
Wiring Diagram — CAN —	UKS004NB C
Refer to LAN-27, "Wiring Diagram — CAN —" .	
	D

LAN

L

Μ

Е

F

G

Н

J

Check Sheet

UKS004PV

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

			1		CAN DIA	G SUPPO	RT MNTR					
SELECT SYSTEM	1 screen	Initial diagnosis	Transmit diagnosis	ECM	тсм	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULTS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	
BCM	No indication	NG	UNKWN	UNKWN	_	UNKWN	-	_	-	UNKWN	CAN COMM CIRCUIT (U1000)	<u> </u>
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	
ABS	-	NG	UNKWN	UNKWN	UNKWN	-		UNKWN	-	-	CAN COMM CIRCUIT (U1000)	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	_	-	-	CAN COMM CIRCUIT (U1000)	_
			A	ttach copy ECT SYS	of TEM			Attach o SELECT	copy of SYSTEM			



Revision: October 2006

[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Г

Check harness between TCM and driver seat control unit. Refer to <u>LAN-350</u>, "Inspection Between TCM and <u>Driver Seat Control Unit Circuit</u>".

		CAN DIAG SUPPORT MNTR										
SELECT SYSTEM screen		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	тсм	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	I	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	_	-
ALL MODE AWD/4WD	ł	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	I	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN		-	CAN COMMCIRCUIT (UN000)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	_	_	UNKWN	-	_	_	CAN COMM CIRCUIT (UN00)	_


Case 2

Check harness between driver seat control unit and data link connector. Refer to <u>LAN-354</u>, "Inspection A <u>Between Driver Seat Control Unit and Data Link Connector Circuit</u>".

					CAN DIA	G SUPPO	RT MNTR					
	Looroon	la tita l	Transmit			Rec	eive diagn	osis				DECLIITO
SELECT STOLEN	SCIECI	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	neoulio
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT ((U1000)	CAN COMM CIRCL (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	ł	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	1	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	1	CAN COMM CIRCUIT (UN000)	_
ABS	-	NG	UNKWN	UNKWN	UNKWN	_	-	UNKWN	-	-	CAN COMINCIRCUIT (UN000)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	_	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	_



D F G H

В

С

LAN

L

Μ

J

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u><u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

					CAN DIA	G SUPPO	RT MNTR					
	l scroon	Initial	Transmit			Rec	eive diagn	iosis				
SELECT STOLEN	I SCIECII	diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	INCOULD
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCI (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indition	_	UNKWN	UNKWN	_	_	UNKWN	-	_	-	CAN COMM CIRCUIT (UN00)	-



CAN SYSTEM (TYPE 9)

[CAN]

А

В

С

D

Ε

F

Case 4

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	l scroon	Initial	Transmit			Rec	eive diagn	iosis				
SELECTOTOTEN	1 3010011	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN200)	CAN COMM CIRCUIT (UN001)
A/T	ł	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	1	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	1	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	1	CAN COMM CIRCUIT (UN000)	-
ABS	1	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	I	CAN COMMICIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT	



 \mathbb{N}

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	l scroon	Initial	Transmit			Rec	eive diagn	iosis				
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		I NESOLIS
ENGINE	1	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMMCIRCU (U 201)
A/T	-	NG	UNKWN	UNKWN	Н	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	1	-	UNKWN	-	UNKWN	1	_	-
ALL MODE AWD/4WD	I	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	I	CAN COMM CIRCUIT (UN000)	-
ABS		NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	_	_	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



А

В

С

D

Е

F

Case 6

Check driver seat control unit circuit. Refer to LAN-357, "Driver Seat Control Unit Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	l coroon	Initial	Transmit			Rec	eive diagn	osis				
SELECT STOLEN	SUCCI	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		INEGOLIG
ENGINE			UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	+
ВСМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	_	_	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	_



 \mathbb{N}

Case 7

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	A seroon	Initial	Transmit			Rec	eive diagn	iosis				
SELECT STOTEN	Sciecii	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE		_	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T		NG	UNKWN	UNKWN	_	UNKWN	_	UNKWN	UNKWN		CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	_	_	-	UNKWN	UNKWN	UNKWN		-	_	CAN COMM CIRCUIT (UN00)	-
ВСМ	No indication	NG	UNKWN	UNKWN	_	UNKWN	_	_	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication	_	UNKWN	UNKWN	_	-	UNKWN		UNKWN		-	_
ALL MODE AWD/4WD		NG	UNKWN	UNKWN	UNKWN	UNKWN	-		UNKWN	_	CAN COMM CIRCUIT	-
ABS		NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	_	-	UNKWN	_	-	-	CAN COMM CIRCUIT (U1000)	_



А

В

С

D

Ε

F

Case 8

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR				1	
SELECT SYSTEM	l scroon	Initial	Transmit			Rec	eive diagn	iosis				BESUITS
SELECT STOTEN	SCIECII	diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		I NEGOLI G
ENGINE	-		UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	ł	NG	UNKWN	UNKWN	ł	UNKWN	-	UNKWN	UNKWN	I	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMMCIRCUIT (UN000)	-
BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	1	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	1	CAN COMM CIRCUIT (U1000)	-
ABS	1	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	Ι	I	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT	-



 \mathbb{N}

Case 9

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

		[G SUPPO					1	
					0/11/0//0	Rec	eive diagn	iosis				
SELECT STSTEM	screen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	I RESULIS
ENGINE		-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	_	UNKWN	_	UNKWN	UNKWN		CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indition	_	-	_	UNKWN	UNKWN	UNKWN		-		CAN COMM CIRCUIT (U1000)	-
ВСМ	No inditation	NG	UNKWN	UNKWN		UNKWN	_	_	_	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditiation	-	UNKWN	UNKWN		-	UNKWN		UNKWN	_		-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	_	UNKWN		CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditiation	_	UNKWN	UNKWN	_	-	UNKWN	_	-		CAN COMM CIRCUIT (U1000)	-



А

В

С

D

Ε

F

Case 10

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
SELECT SYSTEM	l scroon	Initial	Transmit			Rec	eive diagn	osis				RESULTS
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		INEGOEI G
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	ł	NG	UNKWN	UNKWN	ł	UNKWN	-	UNKWN	UNKWN	I	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	I	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	_	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	_	-	UNKWN	-	_	-	CAN COMM CIRCUIT (U1000)	-



 \mathbb{N}

٦

Case 11

Check transfer control unit circuit. Refer to LAN-361, "Transfer Control Unit Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	1 coroon	In Starl	T			Rec	eive diagn	iosis				DECINTO
SELECT STOLEN	SCIECT	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELP-DIAC	I NEGOLI G
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMMCIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	_	_	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



Case 12

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "ABS Actuator and Electric Unit <u>(Control Unit) Circuit Inspection</u>".

					CAN DIA	G SUPPO	RT MNTR					
	Lecroon	Initial	Transmit			Rec	eive diagn	osis				
SELECT STOLEN	Scieen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	neouro
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT ((U1000)	CAN COMMICIRCU (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	I	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	1	CAN COMM CIRCUIT (U 1000)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMINCIRCUIT (U1000)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	_	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	_



D F G H

В

С

LAN

L

Μ

J

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

					CAN DIA	G SUPPO	BT MNTR				1	
			- ·	[Rec	eive diagn	osis				
SELECT SYSTEM	i screen	Initial diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	1 RESULTS
ENGINE		_	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	_	UNKWN	_	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	_	-	-	UNKWN	UNKWN	UNKWN	_	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	_	UNKWN	UNKWN		_	UNKWN	_	UNKWN	-	_	_
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	_	_	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS		NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditation	_	UNKWN	UNKWN	_	_	UNKWN	_	-	_	CAN COMMCIRCUIT (UN00)	



Case 14

Г



					CAN DIA	G SUPPO	RT MNTR					
	l coroon	Initial	Transmit			Rec	eive diagn	iosis				
SELECT STOTEN	SCIECII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		INCOULD
ENGINE		-	UNKWN		UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMM CIRCU (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT	_

А Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to LAN-364, "IPDM E/R Ignition Relay Circuit Inspection" .

					CAN DIA	G SUPPO	RT MNTR					
	l scroon	Initial	Transmit			Rec	eive diagn	osis				
SELECT STOTEN	SCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		I NEGOLI G
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	I	UNKWN	-	UNKWN	UNKWN	I	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	1	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	1	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	I	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	_	_	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

Case 16

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to LAN-364, "IPDM E/R Ignition Relay Circuit Inspection"

					CAN DIA	G SUPPO	RT MNTR					
	l scroon	Initial	Transmit			Rec	eive diagn	iosis				
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		I NEGOLI G
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	1	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	I	CAN COMM CIRCUIT (U1000)	-
ABS	1	NG	UNKWN	-	UNKWN	-	-	-	-	I	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	_	_	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

Н

I

J

F

В

С

D

Е

LAN

CAN SYSTEM (TYPE 10)

	[CAN]
CAN SYSTEM (TYPE 10)	PFP:23710
Component Parts and Harness Connector Location	UKS004NA
Refer to LAN-25, "Component Parts and Harness Connector Location".	
Schematic	UKS004NB
Refer to LAN-26, "Schematic".	
Wiring Diagram — CAN —	UKS004NC
Refer to LAN-27, "Wiring Diagram — CAN —".	

Check Sheet

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Check sheet ta	ble													
				[C	an diag			H					
SELECT SYSTEM	A screen	Initial diagnosis	Transmit diagnosis	ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS	IPDM E/R	SELF-DIAG	RESULTS
ENGINE	-	_	UNKWN	_	UNKWN	UNKWN	_	UNKWN		UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN		UNKWN	-	-		UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN		UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	NO indication	NG	UNKWN	UNKWN		UNKWN	-	-	-	-	-	UNKWN	U1000)	_
HVAC	indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	_		-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	(U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	(U1000)	-
IPDM E/R	NO indication	-	UNKWN	UNKWN		-	-	UNKWN		-		-	U1000)	-
	Attach copy of SELECT SYSTEM Attach copy of SELECT SYSTEM Display control unit Translation Sheet: Rewrite the following names, and put a check mark on the ab													
Disp	lay cont	rol unit T	ranslatio	n Sheet:	Rewrite	the follo	wing nar	nes, and	put a ch	neck mar	k on the	above c	heck sheet tab	e.
CONTIRMATION/A	adjustme	ent Displ	ay	Uneck s	tial diagr	ne Displa	ay (CAN CIF	C 5	ustment	Jispiay	L Ch	METER/M8	A
CAN CIRC 1				Tran	smit dia	gnosis	(CAN CIF	C 6					
CAN CIRC 2					BCM		(C 7				IPDM E/F	
CAN CIRC 3						;		CAN CIE	C 8			 		
			L				I					L		
					CAN DI.	dis AG SUP	Attach co splay con PORT M	opy of trol unit ONITOF	check s	sheet				

[CAN]

А

В

С

D

Ε

F

G

Н

I

J

LAN

L

Μ

CAN SYSTEM (TYPE 10)



CAN SYSTEM (TYPE 10)

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and driver seat control unit. Refer to <u>LAN-350, "Inspection Between TCM and</u> <u>Driver Seat Control Unit Circuit"</u>.

					C/	AN DIAG	SUPPO	DRT MN1	ſR					
SELECT SYSTEM	l screen	Initial	Tranemit				Rece	eive diag	nosis				SELE-DIAG	
OLLEOT OTOTEN	13010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERG
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	1	-	-	-	CAN COMM CIRCUIT (U 200)	-
Display control unit	-	NG	UNKWN	UNKWN		UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	ł	H	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN		I	UNKWN	UNKWN	ł	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMMCIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN		-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN000)	-
														PKIC3321E



А

В

[CAN]

LAN

L

Check harness between driver seat control unit and data link connectort. Refer to <u>LAN-354</u>, "Inspection <u>Between Driver Seat Control Unit and Data Link Connector Circuit</u>".

		r			~								1	
					Ci	AN DIAG	SUPPC	DRIMN	IR					
SELECT SYSTEM	A screen	Initial	Transmit				Rece	eive diag	nosis	·····			SELE-DIAG	BESULTS
SELECT OTOTER	boroon	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN201)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No inditation	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U 200)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN000)	-
														PKIC3322E



В

С

D

Ε

F

Н

Case 3

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u><u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

					C/	AN DIAG	SUPPO	DRT MN1	ſR					
SELECT SYSTEM	l scroon	Initial	Tranomit				Rece	eive diag	nosis					
OLLEOT OTOTEN	1 3010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	ł	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN201)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	1	-	-	-	CAN COMM CIRCUIT (U1000)	
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-		CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	ł	I	UNKWN	UNKWN	ł	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	Η	CAN COMMCIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
														PKIC3323E



LAN

L

Μ

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

					C	AN DIAG	i SUPPC	DRT MN	ſR					
SELECT SYSTEM	l scroon	Initial	Tranomit				Rece	eive diag	nosis					
SELECT GTOTEN	13010011	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	—	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	1	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	_	UNKWN	UNKWN	_	-	UNKWN	_	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	ł	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	_	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	_	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	_	-	-	CAN COMM CIRCUIT (UN000)	-
														PKIC3324E



А

В

С

D

Ε

F

Н

J

LAN

L

Case 5

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

					C	AN DIAG	i SUPPC	DRT MN1	ſR					
SELECT SYSTEM	l screen	Initial	Tranemit				Rece	eive diag	nosis				SELE-DIAG	
OLLEOT OTOTEL	1 2010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U 000)	CAN COMMCIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (Uncoo)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMMCIRCUIT (U 200)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMMCIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
														DKIC222EE



М

Check driver seat control unit circuit. Refer to LAN-357, "Driver Seat Control Unit Circuit Inspection" .

					C	AN DIAG	SUPPC	ORT MN1	ſŔ					
SELECT SYSTEM	A screen	Initial	Transmit				Rece	ive diag	nosis				SELE-DIAG	BESULTS
		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	_	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	I	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No inditation	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	I	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	H
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
														PKIC3326E



А

В

С

D

Е

F

Case 7

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

					C	AN DIAG	SUPPO	DRT MN1	R					
SELECT SYSTEM	A screen	Initial	Tranemit				Rece	eive diag	nosis				SELE-DIAG	BESULTS
GELEGI GIGIEN	1 3010011	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		HEODERO
ENGINE	-	-	UNKWN	ŀ	UNKWN	UNKWN	-	UNKWN	I	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMICIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	ł	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN		-	UNKWN	1	-	-	-	CAN COMMICIRCUIT (U 1900)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	ł	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	Т	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-



 \mathbb{N}

Check display control unit circuit. Refer to LAN-358, "Display Control Unit Circuit Inspection" .

					C	AN DIAG	SUPPO	ORT MN	ſR					
SELECT SYSTEM	A screen	Initial	Transmit				Rece	eive diag	nosis				SELE-DIAG	BESUITS
	1 5010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	_	UNKWN	UNKWN	-	UNKWN	-	-	-	Ι	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	Η	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
														PKIC3328E



А

В

С

D

Ε

F

Н

J

LAN

L

Case 9

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

					C/	AN DIAG	SUPPO	DRT MN1	R					
SELECT SYSTEM	l screen	Initial	Tranemit				Rece	eive diag	nosis				SELE-DIAG	
OLLEOT OTOTER	boreen	diagnosis	diagnosis	ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	I	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN201)
A/T	-	NG	UNKWN	UNKWN	ł	UNKWN	-	-	I	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	1	-	-	-	CAN COMMCIRCUIT (Uncoo)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN		-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN000)	-
														PKIC3329E



 \mathbb{N}

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

					C	AN DIAG	SUPPC	DRT MN1	ſŔ					
SELECT SYSTEM	A screen	Initial	Transmit				Rece	eive diag	nosis				SELE-DIAG	BESULTS
		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	UNKWN	ł	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No inditation	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	ł	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
														PKIC3330E



А

В

С

D

Ε

F

Case 11

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

					C/	AN DIAG	SUPPO	DRT MN1	ſR					
SELECT SYSTEM	Iscreen	Initial	Transmit				Rece	eive diag	nosis				SELE-DIAG	
SELECT OTOTEL	15010011	diagnosis	diagnosis	ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	ł	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
														PKIC3331E



Μ

L

J

Check transfer control unit circuit. Refer to LAN-361, "Transfer Control Unit Circuit Inspection" .

					C	AN DIAG	SUPPO	DRT MN	ſŔ					
SELECT SYSTEM	l scroon	Initial	Tranomit				Rece	eive diag	nosis					BESUITS
OLLEON ONOTEN	in Sereen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	_	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U 200)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
														PKIC3332E



Case 13

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "ABS Actuator and Electric Unit <u>(Control Unit) Circuit Inspection</u>".

					C/	AN DIAG	SUPPC	DRT MN1	ſR					
SELECT SYSTEM	l screen	Initial	Transmit				Rece	eive diag	nosis				SELE-DIAG	BESUITS
	i boreen	diagnosis	diagnosis	ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		TILOULIO
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	ł	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	1	-	-	-	CAN COMM CIRCUIT (U1000)	_
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	I	UNKWN	-	-	I	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	ł	-	UNKWN	UNKWN	I	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN000)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMMCIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
														PKIC3333E



D F G

В

С

L

Μ

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

					C	AN DIAG	SUPPC	DRT MN1	ſR					
SELECT SYSTEM	l screen	Initial	Tranemit				Rece	ive diag	nosis				SELE-DIAG	BESUITS
	il boreen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		TIEGOEIG
ENGINE	-	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN		CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	-	1	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	I	-	-	-		CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	H	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	H	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN000)	-
														PKIC3334E



Case 15

Check CAN communication circuit. Refer to LAN-363, "CAN Communication Circuit Inspection" .

					C	AN DIAG	SUPPO	DRT MN1	ſŔ					
SELECT SYSTEM	screen	Initial	Transmit				Rece	eive diag	nosis				SELE-DIAG	BESUITS
	Bereen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE		-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMM CIRCUIT (UN201)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No individualition	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No inditiation	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No inditiation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN000)	-

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>A</u> <u>Circuit Inspection</u>".

					C	AN DIAG	SUPPC	DRT MN1	ſR					
SELECT SYSTEM	Iscreen	Initial	Tranemit				Rece	eive diag	nosis				SELE-DIAG	
SELECT OTOTEL	1 Sereen	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		TILOGETO
ENGINE	I	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	_	CAN COMMCIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication		UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
														PKIC3336E

Case 17

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

					C/	AN DIAG	i SUPPC	ORT MN1	ſR					
SELECT SYSTEM	l screen	Initial	Transmit				Rece	ive diag	nosis				SELE-DIAG	
		diagnosis	diagnosis	ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	1	-	UNKWN	I	UNKWN	UNKWN	1	UNKWN	ł	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	I	NG	UNKWN	ł	ł	ł	ł	1	ł	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	UNKWN	-	UNKWN	1	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	ł	UNKWN	ł	ł	ł	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	Т	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	1	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	I	UNKWN	-	I	+	-	-	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
														PKIC3337E

G

Н

I

F

В

С

D

Е

J

CAN SYSTEM (TYPE 11)

	[CAN]
CAN SYSTEM (TYPE 11)	PFP:23710
Component Parts and Harness Connector Location	UKS004NE
Refer to LAN-25, "Component Parts and Harness Connector Location".	
Schematic	UKS004NF
Refer to LAN-26, "Schematic".	
Wiring Diagram — CAN —	UKS004NG
Refer to LAN-27, "Wiring Diagram — CAN —".	

Check Sheet

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

					CAN	DIAG SU	PPORT N	<i>I</i> NTR					
	l coroon	In this I	Tunnamit				Receive	diagnosis					DECINTO
OLLEOT STOTEN	1 SUICCII	diagnosis	diagnosis	ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	THEODERS
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	_	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	_	-	-	_	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	ł	-	ł	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	_	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	_

Symptoms :



Attach copy of SELECT SYSTEM

PKIC2947E

[CAN]

А

В

С

D

Ε

F

Н

I

J

L

Μ

CAN SYSTEM (TYPE 11)



CAN SYSTEM (TYPE 11)

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and differential lock control unit. Refer to LAN-349, "Inspection Between TCM and Differential Lock Control Unit Circuit" .

CAN DIAG SUPPORT MNTR													
SELECT SYSTEM screen		Initial diagnosis	Transmit diagnosis			SELE-DIAG RESULTS							
				ECM	TCM	DIFF LOCK	ME⊺ER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCUIT (UN001)
A/T	I	NG	UNKWN	UNKWN	١	-	UNKWN	-	UNKWN	UNKWN	I	CAN COMM CIRCUIT (UN000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	Η	CAN COMM CIRCUIT (UN000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	1	-	-	UNKWN	-	UNKWN	UNKWN	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	1	UNKWN	I	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	_	UNKWN	-	I	CAN COMM CIRCUIT (UN00)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	_	_	_	UNKWN	_	-	-	CAN COMM CIRCUIT	-



А

В

[CAN]

LAN

Μ

Check harness between differential lock control unit and data link connector. Refer to <u>LAN-353</u>, "Inspection <u>Between Differential Lock Control Unit and Data Link Connector Circuit</u>".

CAN DIAG SUPPORT MNTR													
SELECT SYSTEM screen		n Initial diagnosis	Transmit diagnosis										
				ECM	тсм	DIFF LOCK	ME⊺ER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKAN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCU (UN01)
A/T	ł	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	I	CAN COMM CIRCUIT (UN000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	1	UNKWN	-	UNKWN	UNKWN	_	-
ALL MODE AWD/4WD	I	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	I	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	_	_	-	UNKWN		-	-	CAN COMM CIRCUIT (UN00)	-


[CAN]

В

С

D

Ε

F

Case 3

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u><u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

					CAN	DIAG SU	PPORT I	INTR					
	l coroon	Initial	Transmit				Receive	diagnosis	i				
SELECT STOTEN	1 3010011	Initial Transmit diagnosis ECM TCM DIFF LOCK METER MC/SEC AWD/4WD VDC/TCS //ABS								IPDM E/R	SEEI -DIAC	INCOULD	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCU (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U 200)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U COO)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	_	UNKWN		-	CAN COMMCIRCUIT (UN000)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	-		-	UNKWN	_	-	-	CAN COMM CIRCUIT	_



I

Н

LAN

L

Μ

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

					CAN	DIAG SU	PPORT N	MNTR					
	l coroon	Initial	Transmit				Receive	diagnosis					
SELECT STOLEN	1 3010011	diagnosis	diagnosis	ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		INCOULD
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN200)	CAN COMMCIRCU (UN01)
A/T	-	NG	UNKWN	UNKWN	I	-	UNKWN	-	UNKWN	UNKWN	I	CAN COMMCIRCUIT (UN000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	1	-	+	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	-	_	_	UNKWN	_	-	-	CAN COMM CIRCUIT	-



[CAN]

А

В

С

D

Ε

F

Case 5

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR				T	
SELECT SYSTEM	l scroon	Initial	Transmit				Receive	diagnosis	6				BESUITS
SELECTOTOTEN	13010011	diagnosis	agnosis diagnosis ECM TCM DIFF LOCK METER BCM/SEC AWD/4WD VDC/TCS IPDM E								IPDM E/R		THEODERO
ENGINE	1	-	- UNKWN - UNKWN - UNKWN UNKWN UNKWN UNKWN UNKWN UNKWN UNKW								UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMM CIRCUI (UN201)
A/T	1	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	I	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	+	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	1	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	1	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	_	-	UNKWN	-	-	CAN COMMCIRCUIT (UN00)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	-	_	_	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



Μ

٦

Case 6

Check differential lock control unit circuit. Refer to LAN-357, "Differential Lock Control Unit Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR				1	
	l coroon	Initial	Tronomit				Receive	diagnosis					
SELECT STOLEN	1 3010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		I NEGOLI G
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	1	UNKWN	_	UNKWN	UNKWN	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	I	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	_	UNKWN		I	CAN COMMCIRCUIT (UN000)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	_	_	_	UNKWN	_	-	-	CAN COMM CIRCUIT (U1000)	-



[CAN]

А

В

С

D

Е

F

Case 7

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
	l scroon	Initial	Tranamit				Receive	diagnosis					
SELECT STOLEN	1 3010011	diagnosis	gnosis diagnosis ECM TCM DIFF LOCK METER //M&A BCM/SEC AWD/4WD VDC/TCS //ABS								IPDM E/R	SELI -DIAC	INEGOLIG
ENGINE		-	UNKWN	- UNKWN - UNKWN UNKWN UNKWN UNKWN UNKWN UNK							UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	ł	-	UNKWN	I	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U 000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	I	-	-	ł	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	1	-	-	UNKWN	_	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	ł	-	UNKWN	-	CAN COMM CIRCUIT (U coo)	I.
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN		-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	-	-	-	UNKWN	_	-	-	CAN COMM CIRCUIT (U1000)	-



 \mathbb{N}

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

					CAN	DIAG SU	PPORT I	INTR				1	
	l scroon	Initial	Tronomit				Receive	diagnosis	i				
SELECT STOLEN	SCIECT	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELP-DIAC	I NESOLIS
ENGINE	-		UNKWN		UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCU (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ВСМ	No individual	NG	UNKWN	UNKWN	-	-	UNKWN	_	_	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	_	-	-	CAN COMM CIRCUIT	-



А

В

С

D

Е

F

Case 9

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

					CAN	DIAG SU	PPORT N	<i>I</i> NTR					
	lecroon	Initial	Transmit				Receive	diagnosis					RESULTS
SELECT OTOTEN	Sereen	diagnosis	initial iransmit ECM TCM DIFF LOCK METER //M&A BCM/SEC AWD/4WD VDC/TCS //ABS								IPDM E/R		THEODERO
ENGINE	-	-	UNKWN	-	UNKWN – UNKWN UNKWN UNKWN UNKWN UNKWN UNKW						UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	ł	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ВСМ	No inditation	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS		NG	UNKWN	UNKWN	UNKWN	UNKWN	-	_	UNKWN	I	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	_	UNKWN	_	-	-	CAN COMM CIRCUIT (U1000)	-



٦

Case 10

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
	aaraan	Initial	Transmit				Receive	diagnosis					
	SCIECII	diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODELO
ENGINE	-	-	UNKWN	-	UNKWN	_	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-		UNKWN	_	UNKWN	UNKWN		CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	_	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
всм	No indication	NG	UNKWN	UNKWN	-	_	UNKWN	_	-		UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No inditation		UNKWN	UNKWN	-	_	_	UNKWN	-	UNKWN	UNKWN	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN		UNKWN	-	-	UNKWN	_	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN		-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication		UNKWN	UNKWN	-	_	-	UNKWN	-	_	-	CAN COMM CIRCUIT (U1000)	_



[CAN]

А

В

С

D

Е

F

Case 11

Check transfer control unit circuit. Refer to LAN-361, "Transfer Control Unit Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
SELECT SYSTEM	l scroon	Initial	Transmit				Receive	diagnosis					RESULTS
SELECT OTOTEN	1 3010011	diagnosis	diagnosis	ECM TCM DIFFLOCK METER BCM/SEC AWD/4WD VDC/TCS IPDM									THEODERO
ENGINE	-		UNKWN	NN - UNKWN - UNKWN UNKWN UNKWN UNKWN UNKWN CAN C							CAN COMM CIRCUIT (U1000)	CAN COMMCIRCUI (UN001)	
A/T	ł	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	I	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	+	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U coo)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	1	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	I	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	_	-	-	CAN COMM CIRCUIT (U1000)	-



Μ

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "<u>ABS Actuator and Electric Unit</u> (<u>Control Unit</u>) <u>Circuit Inspection</u>".

					CAN	DIAG SU	PPORT N	MNTR					
SELECT SYSTEM	l coroon	Initial	Transmit				Receive	diagnosis	i				BESUITS
SELECT OF OTHER	13010011	diagnosis	diagnosis	ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		TILOOLIO
ENGINE	-	-	UNKWN	-	UNKWN	+	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCI (UN01)
A/T	ł	NG	UNKWN	UNKWN	١	-	UNKWN	-	UNKWN	UNKWN	I	CAN COMM CIRCUIT (UN000)	I
DIFF LOCK	-	NG	UNKWN	UNKWN	1	-	+	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	1	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMMICIRCUIT (UN000)	-
ABS	1	V	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	1	-	CAN COMMICIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-		-	CAN COMM CIRCUIT (U1000)	-



А

В

С

D

Ε

F

Н

LAN

L

Μ

Case 13

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

					CAN	DIAG SU	PPORT N	<i>I</i> NTR					
	l coroon	Initial	Transmit				Receive	diagnosis					
SELECT STOLEN		Initial Transmit diagnosis ECM TCM DIFF LOCK METER /M&A BCM/SEC AWD/4WD VDC/TCS /ABS IPDM E/R								SEE -DIAC	INCOULO		
ENGINE	-	-	UNKWN	-	UNKWN	+	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN201)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN		-	CAN COMM CIRCUIT (U1000)	
IPDM E/R	No inditation	_	UNKWN	UNKWN	_	_	_	UNKWN	_	-	-	CAN COMMICIRCUIT	-



Case 14

Γ



					CAN	DIAG SU	PPORT N	MNTR					
	l scroon	Initial	Transmit				Receive	diagnosis	i				
SELECT STOTEN		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	ME⊺ER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN000)	CAN COMMCIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
BCM	No individualition	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	H	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	₩	UNKWN	UNKWN	UNKWN	UNKWN	-	+	UNKWN	1	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-

PKIC3351E

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

					CAN	DIAG SU	PPORT N	MNTR					
SELECT SYSTEM	l coroon	Initial	Transmit				Receive	diagnosis					BESUITS
SELECT OF OF OTHER	13010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		TILOULIO
ENGINE	-	-	UNKWN	-	UNKWN	+	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMM CIRCU (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	+	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	1	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN 000)	-
ABS		NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	

Case 16

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

					CAN	DIAG SU	PPORT N	MNTR					
	l scroon	Initial	Transmit				Receive	diagnosis	i				BESUITS
SELECT OTOTER	A SOLCON	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	-	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	-	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	_		-	CAN COMM CIRCUIT (U1000)	-
													PKIC3353E

CAN SYSTEM (TYPE 12)

	[CAN]	
CAN SYSTEM (TYPE 12)	PFP:23710	
Component Parts and Harness Connector Location	UKS004NI	А
Refer to LAN-25, "Component Parts and Harness Connector Location".		
Schematic	UKS004NJ	В
Refer to LAN-26, "Schematic".		
Wiring Diagram — CAN —	UKS004NK	С
Refer to LAN-27, "Wiring Diagram — CAN —".		
		D

LAN

Е

F

G

Н

J

L

Μ

Check Sheet

UKS004PS

NOTE:

r

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Check sheet ta	ble				CAN			INTR				Π	
SELECT SYSTEM	1 screen	Initial	Transmit				Receive	diagnosis				SELF-DIAG	RESULTS
GELEOTOTOTEN	1 Soleen	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	_		UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN		-	UNKWN	-	CAN COMM CIRCUIT (U1000)	
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	_	-	-	CAN COMM CIRCUIT (U1000)	_
			s	Attach ca ELECT S	ppy of YSTEM			SE	Attach cop	by of STEM			
													PKIC2948E

CAN SYSTEM (TYPE 12)



CAN SYSTEM (TYPE 12)

Attach copy of	Attach copy of	Attach copy of
ENGINE	A/T	DIFF LOCK
CAN DIAG SUPPORT	CAN DIAG SUPPORT	CAN DIAG SUPPORT
MNTR	MNTR	MNTR
Attach copy of	Attach copy of	Attach copy of
AUTO DRIVE POS.	BCM	HVAC
CAN DIAG SUPPORT	CAN DIAG SUPPORT	CAN DIAG SUPPORT
MNTR	MNTR	MNTR
Attach copy of	Attach copy of	Attach copy of
ALL MODE AWD/4WD	ABS	IPDM E/R
CAN DIAG SUPPORT	CAN DIAG SUPPORT	CAN DIAG SUPPORT
MNTR	MNTR	MNTR

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and differential lock control unit. Refer to LAN-349, "Inspection Between TCM and Differential Lock Control Unit Circuit" .

					CAN	DIAG SU	PPORT N	INTR					
SELECT SYSTEM	l screen	Initial	Transmit				Receive	diagnosis				SELE-DIAG	
OLLEOT OTOTER		diagnosis	diagnosis	ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN 001)
A/T	-	NG	UNKWN	UNKWN	1	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMMICIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	1	-	1	CAN COMMICIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	I	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN 000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	ł	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMMCIRCUIT (UN000)	_
													PKIC3354E



F

А

[CAN]

L

Check harness between differential lock control unit and driver seat control unit. Refer to <u>LAN-353</u>, "Inspection <u>Between Differential Lock Control Unit and Driver Seat Control Unit Circuit</u>".

					CAN	DIAG SU	PPORT N	MNTR					
	1 scroon	Initial	Transmit				Receive	diagnosis					
SELECT STOTEM	/ SCIECII	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	I NEGOLI G
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN 001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	I	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	I	-	CAN COMMCIRCUIT (UN000)	-
													PKIC3355E



Check harness between driver seat control unit and data link connector. Refer to <u>LAN-354</u>, "Inspection A <u>Between Driver Seat Control Unit and Data Link Connector Circuit</u>".

					CAN	DIAG SU	PPORT N	INTR					
SELECT SYSTEM	screen	Initial	Transmit				Receive	diagnosis				SELE-DIAG	BESULTS
		diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	1	1	UNKWN	+	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	1	NG	UNKWN	UNKWN	1	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (U COO)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No inditation	1	1	1	UNKWN	-	UNKWN	UNKWN	I	I	-	CAN COMM CIRCUIT (UN000)	1
ВСМ	No indication	NG	UNKWN	UNKWN	I	-	UNKWN	-	I	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	1	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	1	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	1	UNKWN	-	CAN COMM CIRCUIT (U 200)	-
ABS	I	NG	UNKWN	UNKWN	UNKWN	UNKWN	ł	I	UNKWN	I	-	CAN COMM CIRCUIT (U 200)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (UN00)	-



C D F G H

В

[CAN]

J

LAN

L

Μ

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u><u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

					CAN			MNTR				I	
					0/11	01/10/00	Receive	diagnosis					
SELECT SYSTEM	A screen	Initial diagnosis	Transmit diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	i RESULIS
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	I	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	I	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMMCIRCUIT (UN000)	-
													PKIC3357E



А

В

С

D

Ε

F

Н

J

Case 5

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
SELECT SYSTEM	l screen	Initial	Transmit				Receive	diagnosis				SELE-DIAG	
OLLEOT OTOTER		diagnosis	diagnosis	ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		TILOULIU
ENGINE	-	-	UNKWN	ł	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMM CIRCUIT (UNCO1)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	I	-	UNKWN	ł	-		UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	1	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	1	-	UNKWN	-	CAN COMMCIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN		-	CAN COMMCIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	Ŧ	UNKWN	-	-	-	CAN COMMCIRCUIT (UNCOO)	-
													PKIC3358E



Μ

L

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

					CAN	DIAG SU	PPORT N	MNTR					
SELECT SYSTEM	1 screen	Initial	Tranomit				Receive	diagnosis					BESUITS
OLLEOT OTOTER	1 3010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	I	-	CAN COMMCIRCUIT (UN000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMMCIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
													PKIC3359E



В

С

D

Ε

F

Case 7

Check differential lock control unit circuit. Refer to LAN-357, "Differential Lock Control Unit Circuit Inspection".

					CAN	DIAG SU	PPORT N	INTR					
SELECT SYSTEM	Iscreen	Initial	Transmit				Receive	diagnosis				SELE-DIAG	
OLLOT OTOTEN		diagnosis	diagnosis	ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		TILOULIU
ENGINE	-	1	UNKWN	1	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	1	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMMCIRCUIT (U 000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



Μ

Check driver seat control unit circuit. Refer to LAN-357, "Driver Seat Control Unit Circuit Inspection" .

					CAN	DIAG SU	PPORT I	MNTR					
SELECT SYSTEM	l screen	Initial	Transmit				Receive	diagnosis	l				BESUITS
OLLEOT OTOTER		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIAC	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	_	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
													PKIC3361E



[CAN]

А

В

С

D

Е

F

Н

J

Case 9

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
SELECT SYSTEM	l screen	Initial	Transmit				Receive	diagnosis				SELE-DIAG	
GLEOTOTOTER	orcon	diagnosis	diagnosis	ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		TILOULIU
ENGINE	-	-	UNKWN	1	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	1	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	1	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	1	UNKWN	-	UNKWN	UNKWN	-	Н	I	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	١	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



Μ

L

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

					CAN	DIAG SU	PPORT N	MNTR					
SELECT SYSTEM	1 scroon	Initial	Tranomit				Receive	diagnosis					RESULTS
SELECT OTOTEN	1 3010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UNCO1)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	_	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	Н	-	CAN COMM CIRCUIT (UN000)	-
BCM	No inditation	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMMICIRCUIT (UN00)	-
													PKIC3363E



CAN SYSTEM (TYPE 12)

[CAN]

А

В

С

D

Е

F

Н

J

LAN

L

Case 11

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
SELECT SYSTEM	Iscreen	Initial	Transmit				Receive	diagnosis				SELE-DIAG	
OLLOT OT OT LI		diagnosis	diagnosis	ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		TILOULI O
ENGINE	1	-	UNKWN	VN – UNKWN – UNKWN UNKWN UNKWN UNKW								CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	1	NG	UNKWN UNKWN UNKWN - UNKWN UNKWN -										-
DIFF LOCK	-	NG	NG UNKWN UNKWN - UNKWN - UNKWN - NG UNKWN UNKWN - - UNKWN UNKWN -										-
AUTO DRIVE POS.	No inditation	I	-	1	UNKWN	-	UNKWN	UNKWN	-	I	-	CAN COMM CIRCUIT (U1000)	-
BCM	No inditation	NG	UNKWN	UNKWN		-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	_
ALL MODE AWD/4WD	1	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-



 \mathbb{N}

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

					CAN	DIAG SU	PPORT N	MNTR					
SELECT SYSTEM	l screen	Initial	Transmit				Receive	diagnosis	i				
OLLEOT OTOTEN	1 3010011	diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEOLETO
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	I	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	_	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	_	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	_	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	I	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
													PKIC3365E



А

В

С

D

Е

F

Н

J

Case 13

Check transfer control unit circuit. Refer to LAN-361, "Transfer Control Unit Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
SELECT SYSTEM	1 screen	Initial	Transmit				Receive	diagnosis	i				BESUITS
SELECT OF OF OF EN	Sereen	diagnosis	diagnosis	ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		TIEGOEIG
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	_	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U 200)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	I	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMMCIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	_	-	CAN COMM CIRCUIT (U1000)	-



Μ

L

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "<u>ABS Actuator and Electric Unit</u> (<u>Control Unit</u>) <u>Circuit Inspection</u>".

					CAN	DIAG SU	PPORT I	MNTR					
	l scroon	Initial	Transmit				Receive	diagnosis				SELE-DIAG	
SELECT STOLEN	1 3010011	diagnosis	diagnosis	ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	JULI DIAC	THEODERG
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCUIT (UN001)
A/T	1	NG	UNKWN	UNKWN	1	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	H	I	1	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	I	-	UNKWN	-	I	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	1	UNKWN	I	CAN COMM CIRCUIT (UN000)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
	•							•••••					PKIC3367E



А

В

С

D

Ε

F

Н

Case 15

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

					CAN	DIAG SU	PPORT N	MNTR					
SELECT SYSTEM	Ascreen	Initial	Transmit				Receive	diagnosis				SELE-DIAG	
offer of other		diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN 001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	I	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	I	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	_	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indition	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMMCIRCUIT (U 000)	-
													PKIC3368E



Case 16

Check CAN communication circuit. Refer to LAN-363, "CAN Communication Circuit Inspection" .

					CAN	DIAG SU	PPORT N	MNTR					
SELECT SYSTEM	A screen	Initial	Transmit				Receive	diagnosis				SELE-DIAG	BESUITS
offer of other		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		11200210
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN 000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U 000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	-	UNKWN	UNKWN	-	Н	1	CAN COMM CIRCUIT (UN000)	-
BCM	No inditation	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	I	CAN COMM CIRCUIT (UN000)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMMCIRCUIT (UN000)	-
IPDM E/R	NotindNation	_	UNKWN	UNKWN	-	-	_	UNKWN	-	-	_	CAN COMMCIRCUIT (U 000)	-

LAN

L

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

					CAN	DIAG SU	PPORT I	MNTR					
SELECT SYSTEM	1 screen	Initial	Tranomit				Receive	diagnosis	i				BESUITS
SELECT OTOTER	1 3010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIAC	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMMCIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (UN000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
													PKIC3370E

Case 18

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

					CAN	DIAG SU	PPORT N	MNTR					
SELECT SYSTEM	l screen	Initial	Tranomit				Receive	diagnosis	l				BESUITS
OLLEOT OTOTEN		diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIRC	THEODERO
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	-	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	_	_	UNKWN	_	UNKWN	-	_	-
ALL MODE AWD/4WD	_	NG	UNKWN	UNKWN	UNKWN	_	UNKWN	_	_	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	-	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (UN000)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
													PKIC3371E

CAN SYSTEM (TYPE 13)

	[CAN]	
CAN SYSTEM (TYPE 13)	PFP:23710	
Component Parts and Harness Connector Location	UKS004NM	A
Refer to LAN-25, "Component Parts and Harness Connector Location".		
Schematic	UKS004NN	В
Refer to LAN-26, "Schematic".		
Wiring Diagram — CAN —	UKS004NO	С
Refer to LAN-27, "Wiring Diagram — CAN —".		
		D

LAN

Е

F

G

Н

J

L

Μ

Check Sheet

UKS004PR

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Check sheet table																
						CAN D	IAG SU	PPORT	MNTR	ic						
SELECT SYSTEM screen		Initial diagnosis	Transmit diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULTS	
ENGINE	-	-	UNKWN	_	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	1	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-	
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	F	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	I	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	
Display control unit	-	NG	UNKWN	UNKWN	-	_	UNKWN	-	UNKWN	UNKWN	_	_	UNKWN		-	
BCM	No indication	NG	UNKWN	UNKWN	-	_	UNKWN	-	-	-	-	_	UNKWN	CAN COMM CIRCUIT (U1000)	-	
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	_	-	
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-	
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	
Symptoms :																
			[[7			
				Attach copy of SELECT SYSTEM					SELECT SYSTEM							
Display control unit Translation Sheet: Rewrite the following names, and put a check mark on the above check sheet table.																
CAN COMM				Check sheet table Display				Con	CAN CIPC F					Check sheet table Display		
CAN CUNINI				Transmit diagnosis					CAN CIRC 5							
CAN CIRC 2				BCM					CAN CIRC 7					IPDM E/R		
CAN CIRC 3				ECM				CAN	CAN CIRC 8							
CAN CIRC 4				HVAC				CAN	CAN CIRC 9							
																
							Attac	control	of unit							
					CAN	DIAG S	UPPOF	RT MON	ITOR cl	neck she	eet					
L																
															PKIC2949E	

LAN-250

CAN SYSTEM (TYPE 13)



CAN SYSTEM (TYPE 13)


CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and differential lock control unit. Refer to <u>LAN-349</u>, "Inspection Between TCM and Differential Lock Control Unit Circuit".

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	A screen	Initial	Transmit				R	eceive	diagnos	is				SELE-DIAG	
		diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U 001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	1	1	UNKWN	UNKWN	-	CAN COMMCIRCUIT (U 000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (U 1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U 000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN		-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	ł	UNKWN	-	ł	ł	ł	UNKWN	-	CAN COMMCIRCUIT (U 000)	-
ABS	-	NG	UNKWN	UNKWN		UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U 000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U 1000)	-
															PKIC3372E



А

В

С

D

Ε

F

Н

Check harness between differential lock control unit and driver seat control unit. Refer to <u>LAN-353</u>, "Inspection <u>Between Differential Lock Control Unit and Driver Seat Control Unit Circuit</u>".

			-	_		CAN D	IAG SU	PPORT	MNTR						
	l screen	Initial	Transmit				F	Receive	diagnos	is				SELE-DIAG	BESUITS
	1 3010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIAC	
ENGINE	1	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	ł	UNKWN	UNKWN		CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN01)
A/T	1	NG	UNKWN	UNKWN	-	-	UNKWN	-	I	1	UNKWN	UNKWN	1	CAN COMMCIRCUIT (UN00)	-
DIFF LOCK		NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	1	-	-	1	CAN COMM CIRCUIT (UN00)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	+	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	I	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	ł	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	Ι	-	UNKWN	-	1	CAN COMM CIRCUIT (UN00)	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT	-



В

С

D

Ε

F

Case 3

Check harness between driver seat control unit and data link connector. Refer to <u>LAN-354</u>, "Inspection A <u>Between Driver Seat Control Unit and Data Link Connector Circuit</u>".

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	1 screen	Initial	Transmit				F	eceive	diagnos	is				SELE-DIAG	BESULTS
		diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	I	UNKWN	ł	UNKWN	-	UNKWN	ł	UNKWN		UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	1	UNKWN	-	I	1	UNKWN		-	CAN COMMCIRCUIT (U 1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN		-	CAN COMMCIRCUIT (U 1000)	-
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	1	UNKWN	-	UNKWN	-	-	H	-	CAN COMM CIRCUIT (U 1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	I	UNKWN	-	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	ł	-	-	UNKWN	-	CAN COMM CIRCUIT (U 1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U 1000)	



. I н

LAN

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u><u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	l screen	Initial	Transmit				F	Receive	diagnos	is				SELE-DIAG	BESUITS
OLLOT OTOTEN	1 3010011	diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIAC	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNK	UNKWN		CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNK	UNKWN	-	CAN COMM CIRCUIT (UN00)	
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	_
AUTO DRIVE POS.	No indication	-	1	-	UNKWN	-	UNKWN	-	UNKWN	1	-	I	1	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-		-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	+	-	-		CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	1	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	1	-	UNKWN	1	-	-
ALL MODE AWD/4WD	ł	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	ł	-	UNKWN	1	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	1	UNKWN	I	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT	



[CAN]

А

В

С

D

Ε

F

Н

Case 5

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

														-	
1						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	A screen	Initial	Transmit				F	eceive	diagnos	is				SELE-DIAG	BESULTS
022201010121		diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		11200210
ENGINE	-	H	UNKWN	I	UNKWN	ł	UNKWN	-	UNKWN	-		UNKWN		CAN COMMCIRCUIT (U 000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	1	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (U 000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (U 000)	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	1	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	ł	-	-	UNKWN	-	CAN COMMCIRCUIT (U 000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U 000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U 000)	-
															PKIC3376E



J

LAN

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	A screen	Initial	Transmit				F	leceive	diagnos	is				SELE-DIAG	BESULTS
		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCU (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN000)	
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	_	_
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	
															PKIC3377E



В

С

D

Ε

F

Н

J

Case 7

ſ

А Check differential lock control unit circuit. Refer to LAN-357, "Differential Lock Control Unit Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	1 screen	Initial	Transmit				R	eceive	diagnosi	is				SELE-DIAG	BESULTS
	10010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	+	UNKWN	-	UNKWN	+	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	1	-	UNKWN	-	ł	1	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	+	UNKWN	-	UNKWN	-	H	H	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	I	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	I	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	ł	UNKWN	-	-	ł	ł	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	_	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	



Μ

L

Check driver seat control unit circuit. Refer to LAN-357, "Driver Seat Control Unit Circuit Inspection" .

				1		CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	A screen	Initial	Transmit				F	Receive	diagnos	is				SELE-DIAG	BESULTS
		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	H	-	CAN COMM CIRCUIT (UN00)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	1	-	UNKWN	-	-	_
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	I	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	_
															PKIC3379E



[CAN]

А

В

С

D

Е

F

Н

J

Case 9

I

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
	A scroon	Initial	Tronomił				F	leceive	diagnos	is					RESULTS
OLLOT STOLEN	n screen	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		INEGOEIG
ENGINE	-	-	UNKWN	I	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	1	UNKWN	UNKWN	-	CAN COMMCIRCUIT (U 000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	1	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	Ŧ	H	1	CAN COMM CIRCUIT (U 1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication	1	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	1	UNKWN	1	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	ł	1	ł	UNKWN	1	CAN COMM CIRCUIT (U 000)	-
ABS	_	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	I	-	UNKWN	-	1	CAN COMM CIRCUIT (U1000)	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	
															PKIC3380E



Μ

L

Check display control unit circuit. Refer to LAN-358, "Display Control Unit Circuit Inspection" .

						CAN D	IAG SU	IPPORT	MNTR						
SELECT SYSTEM	A screen	Initial	Transmit				F	Receive	diagnos	is				SELE-DIAG	BESULTS
		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIRC	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	-	NG	UNKWN	UNKWN	_	-	UNKWN		-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	
															PKIC3381E



А

В

С

D

Ε

F

Н

I

J

Case 11

ſ

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
	1 screen	Initial	Transmit				F	leceive	diagnos	is					BESUITS
OLLOT OTOTER	1 3010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIAC	TIEGOLIO
ENGINE	-	-	UNKWN	I	UNKWN	-	UNKWN	-	UNKWN	+	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	1	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	I	-	CAN COMM CIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN000)	_
															PKIC3382E



Μ

L

Г

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

		T				04110		PROPT						II	
						CAND	TAG SU	PPORI	MNIR	ia					
SELECT SYSTEM	A screen	Initial diagnosis	Transmit diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULTS
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	I	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	I	UNKWN	_	-
BCM	No inditation	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	_
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
															DKIC3393E



А

В

С

D

Е

F

Н

I

J

Case 13

ſ

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	1 screen	Initial	Transmit				F	leceive	diagnos	is				SELF-DIAG	RESULTS
		diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	+	UNKWN	-	UNKWN	I	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	_	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	_	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indition	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	ł	UNKWN	-	ł	ł	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	_	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	<u></u>



L

Г

Check transfer control unit circuit. Refer to LAN-361, "Transfer Control Unit Circuit Inspection" .

r															
						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	A screen	Initial	Transmit				. F	Receive	diagnos	is				SELE-DIAG	BESULTS
000000000000000000000000000000000000000		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	+	-	-	CAN COMM CIRCUIT (U1000)	
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	_	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	_	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	
															PKIC3385E



Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "ABS Actuator and Electric Unit <u>(Control Unit) Circuit Inspection</u>".

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	1 screen	Initial	Transmit				F	Receive	diagnos	is				SELE-DIAG	BESUITS
		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		TILOOLIO
ENGINE	-	-	UNKWN	I	UNKWN	ł	UNKWN	-	UNKWN	ł	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	1	UNKWN	UNKWN	-	CAN COMMCIRCUIT (U 000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	ł	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	1	-	UNKWN	-	UNKWN	-	UNKWN	-	+	H	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	1	-	UNKWN	-	-	_
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-		-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	



Η

В

С

D

Ε

F

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

				•		CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	/ screen	Initial	Transmit				F	Receive	diagnos	is				SELE-DIAC	BESUITS
		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIRC	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	_	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	_
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	_
IPDM E/R	No indivation	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN00)	_
															PKIC3387E



А

В

С

D

Е

F

Н

I

٦

Case 17

Г

Check CAN communication circuit. Refer to LAN-363, "CAN Communication Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	A screen	Initial	Transmit				H	eceive	diagnos	IS				SELF-DIAG	RESULTS
		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	_	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No inditation	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN000)	_

Case 18

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to LAN-364, "IPDM E/R Ignition Relay Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	A screen	Initial	Tranomit				F	Receive	diagnos	is				SELE-DIAG	BESUITS
		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DINC	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	_	-	-	-	UNKWN	UNK	-	CAN COMM CIRCUIT (U 000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U 000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	_	_
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U 000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	_
															PKIC3389E

J

LAN

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

														-	
						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	1 screen	Initial	Transmit				F	Receive	diagnos	is				SELE-DIAG	BESULTS
		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	-	-	-	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	_	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	-	UNKWN	-	-	-	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
															PKIC3390E

CAN SYSTEM (TYPE 14)

	[CAN]	
CAN SYSTEM (TYPE 14)	PFP:23710	
Component Parts and Harness Connector Location	UKS004NQ	А
Refer to LAN-25, "Component Parts and Harness Connector Location".		
Schematic	UKS004NR	В
Refer to LAN-26, "Schematic".		
Wiring Diagram — CAN —	UKS004NS	С
Refer to LAN-27, "Wiring Diagram — CAN —".		
		D

LAN

Е

F

G

Н

J

L

Check Sheet

UKS004PQ

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

					C/	AN DIAG	SUPPO	DRT MN	ſR					
SELECT SYSTEM	1 screen	Initial diagnosis	Transmit diagnosis	ECM	TCM	DIFF LOCK	Hece METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULTS
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	_	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	_	UNKWN	UNKWN	-	_	CAN COMM CIRCUIT (U1000)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	
				Attach SELECT	copy of SYSTE	М			Att SELE	ach copy CT SYS	r of TEM			
														PUICONFOE

CAN SYSTEM (TYPE 14)



CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and differential lock control unit. Refer to <u>LAN-349</u>, "Inspection Between TCM and Differential Lock Control Unit Circuit".

		Γ			0		SUPPO		B				1	
							Rece	eive diag	nosis					
SELECT SYSTEM	A screen	Initial diagnosis	Transmit diagnosis	ECM	тсм	DIFF LOCK	IPDM E/R	SELF-DIAG	i RESULIS					
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	1	UNKWN	UNKWN		CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	ł	UNKWN	UNKWN	I	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	ł	UNKWN	UNKWN	ł	CAN COMM CIRCUIT (UN00)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	1	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	1	-	UNKWN	UNKWN	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	I	-	UNKWN	ł	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT	-



Check harness between differential lock control unit and data link connector. Refer to <u>LAN-353</u>, "Inspection <u>A</u> <u>Between Differential Lock Control Unit and Data Link Connector Circuit</u>".

					C	AN DIAG	i SUPPC	DRT MN1	-R					
	l coroon	Initial	Transmit				Rece	eive diag	nosis					
SELECT STOTEM	SUCCI	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SLEI -DIAC	INEGOLIS
ENGINE		-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	UNKWN		CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	I	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	ł	UNKWN	UNKWN	ł	CAN COMMCIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	1	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN		-	UNKWN	-	ł	-	UNKWN	ł	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMMCIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT	



В

[CAN]

L

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u><u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

					C	AN DIAG	SUPPC	DRT MN1	Γ R					
SELECT SYSTEM	screen	Initial	Transmit			_	Rece	eive diag	nosis		_		SELE-DIAG	BESUITS
OLLEOT OTOTER	Serveri	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE		-	UNKWN	1	UNKWN	-	UNKWN	UNKWN	1	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM/CIRCUI (UN001)
A/T		NG	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	T	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN		-	UNKWN	-	ł	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	_
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMMCIRCUIT (UN00)	_
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (U 000)	_



CAN SYSTEM (TYPE 14)

[CAN]

А

В

С

D

Ε

F

Case 4

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

					C.	AN DIAG	i SUPPC	DRT MN1	ſŔ							
	l scroon	Initial	Transmit				Rece	eive diag	nosis					RESULTS		
GELEOTOTOTEN	1 3010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R				
ENGINE	-	-	UNKWN	-		-	UNKWN	UNKWN	-				CAN COMM CIRCUIT (UN00)	CAN COMM CIRCUI (UN01)		
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-		
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-		
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-		
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	-		
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	ł	CAN COMM CIRCUIT (UN00)	-		
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U 1000)	-		
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-		UNKWN	-	-	-	-	CAN COMM CIRCUIT	-		



Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

					C	AN DIAG	SUPPC	DRT MN1	R					
SELECT SYSTEM	l scroon	Initial	Transmit				Rece	eive diag	nosis					BESUITS
SELECT OTOTEN	1 3010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI -DIAC	
ENGINE	1	-	UNKWN	1	UNKWN	-	UNKWN	UNKWN	1	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN00)	CAN COMMCIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	_
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	ł	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	1	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	1	-	UNKWN	UNKWN	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	ŀ	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	4	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	1	I	CAN COMMCIRCUIT (UN00)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	



[CAN]

В

С

D

Ε

F

Case 6

Check differential lock control unit circuit. Refer to LAN-357, "Differential Lock Control Unit Circuit Inspection" . A

					C	AN DIAG	i SUPPC	DRT MN1	R					
	Lecroon	Initial	Transmit				Rece	eive diagi	nosis					
	1 361 6611	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE		-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	1	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	ł	NG	UNKWN	UNKWN	١	I	UNKWN	I	ł	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	ł	UNKWN	UNKWN	-	CAN COMMCIRCUIT (U 000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	1	UNKWN	-	1	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	1	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS		NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMMCIRCUIT (U 000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	



Case 7

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

		1			C	AN DIAG	SUPPC	RT MNT	ΓR					
	l coroon	luciti e l	Turneria	i			Rece	ive diagr	nosis					DECINTO
SELECT STOTEM	SCIECII	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	I NEGOLI G
ENGINE	_	_	UNKWN	_	UNKWN	_	UNKWN	UNKWN	_	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCUIT (UN001)
A/T		NG	UNKWN	UNKWN		_	UNKWN			UNKWN	UNKWN	_	CAN COMM CIRCUIT (UN000)	-
DIFF LOCK	_	NG	UNKWN	UNKWN	-	_			_	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
BCM	No indication	NG	UNKWN	UNKWN	-	_	UNKWN	_	_	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication		UNKWN	UNKWN	-	_		UNKWN		-	UNKWN	UNKWN		_
ALL MODE AWD/4WD	_	NG	UNKWN	UNKWN	UNKWN	_	UNKWN	_	_	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS		NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	_		UNKWN	_	-	_	_	CAN COMM CIRCUIT (U1000)	_



CAN SYSTEM (TYPE 14)

[CAN]

А

В

С

D

Ε

F

Case 8

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

					C	AN DIAG	SUPPC	DRT MN	Γ R					
	l scroon	Initial	Transmit				Rece	eive diag	nosis					RESULTS
SELECT OTOTEN	1 3010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI-DIAC	THEODERO
ENGINE	1	-	UNKWN	-	UNKWN	-	UNKWN		1	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	I	UNKWN	UNKWN	I	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	ł	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No inditation	NG	UNKWN	UNKWN	-	-	UNKWN	-	1	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	ł	-	UNKWN	ł	CAN COMM CIRCUIT (U1000)	I
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	I	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	-	-		-	CAN COMM CIRCUIT	



Case 9

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

	1		_	_	C,	AN DIAG	i SUPPC	DRT MNT	Γ R					
	l scroon	Initial	Transmit	Ĺ			Rece	ive diagr	nosis					BESUITS
SELECTOTOTEN	SCIECII	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	GLEI -DIAC	THEODERS
ENGINE	_	_	UNKWN	-	UNKWN	-	UNKWN	UNKWN	_	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T		NG	UNKWN	UNKWN	-	_	UNKWN			UNKWN	UNKWN		CAN COMM CIRCUIT (U1000)	-
DIFF LOCK		NG	UNKWN	UNKWN	-	_			_	UNKWN	UNKWN	_	CAN COMM CIRCUIT (U1000)	-
BCM	No inditation	NG	UNKWN	UNKWN	-	_	UNKWN	_	_		_	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	_	UNKWN	UNKWN	-	_		UNKWN	_	_	UNKWN	UNKWN	_	-
ALL MODE AWD/4WD		NG	UNKWN	UNKWN	UNKWN	-	UNKWN	_	_	_	UNKWN	-	CAN COMM CIRCUIT (U1000)	
ABS	_	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	-	-	-	UNKWN	_	_	_	_	CAN COMM CIRCUIT (U1000)	_



А

В

С

D

Е

F

Case 10

Check steering angle sensor circuit. Refer to LAN-360, "Steering Angle Sensor Circuit Inspection" .

					C	AN DIAG	SUPPC	DRT MN1	R					
	Lecroon	Initial	Transmit				Rece	eive diagi	nosis					
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	I NEGULIG
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	I	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	ł	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	1	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	1	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	ł	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	
ABS		NG	UNKWN	UNKWN	UNKWN	UNKWN	_	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	



 \mathbb{N}

٦

Case 11

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

r		r											m	
					C	AN DIAG	SUPPC	DRT MN	IR					
	l coroon	Initial	Transmit				Rece	eive diag	nosis					
SELECT STOTEN		diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SEEI -DIAG	I NEGOLI S
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
ВСМ	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	_	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No inditation	-	UNKWN	UNKWN	-	-	_	UNKWN	-	-	UNKWN	UNKWN		-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	_	-	-	-	CAN COMM CIRCUIT (U1000)	-



[CAN]

А

В

С

D

Е

F

Case 12

Check transfer control unit circuit. Refer to LAN-361, "Transfer Control Unit Circuit Inspection" .

					C	AN DIAG	SUPPO	DRT MN1	R							
	l coroon	Initial	Initial Transmit Receive diagnosis										DESUITS			
SELECTOTOTEN	SCIECII	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS					
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN01)		
A/T	-	NG	UNKWN	UNKWN		-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-		
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U 000)	-		
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-		
HVAC	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	_	-	UNKWN	UNKWN	-	-		
ALL MODE AWD/4WD	ł	NG	UNKWN	UNKWN		-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U 000)			
ABS		NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN		-	CAN COMMCIRCUIT (U 000)	_		
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-		-	CAN COMM CIRCUIT (U1000)			



 \mathbb{N}

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "<u>ABS Actuator and Electric Unit</u> (<u>Control Unit</u>) <u>Circuit Inspection</u>".

					C.	an diag	i SUPPC	DRT MN1	ſR					
	l scroon	Initial	Transmit				Rece	eive diag	nosis					RESULTS
OLLEON OTOTEN	1 3010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI-DIAC	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCL (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	UNKWN	_	-	UNKWN	UNKAN	-	-	CAN COMMCIRCUIT (UN00)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-



CAN SYSTEM (TYPE 14)

[CAN]

А

В

С

D

Ε

F

Н

Case 14

Г

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

					C/	AN DIAG	i SUPPC	DRT MN1	Ŕ					
	l scroon	Initial	Transmit				Rece	eive diagi	nosis					BESUITS
SELECT OTOTEN	1 3010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI-DIAC	
ENGINE	-	-	UNKWN	1	UNKWN	-	UNKWN	UNKWN	1	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	I	-	UNKWN	1	I	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	+	NG	UNKWN	UNKWN	ł	-	-	-	ł	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	1	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	1	ł	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	1	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	_	-	-	_	CAN COMMCIRCUIT (UN00)	



Case 15

Г



			_	_	C.	AN DIAG	SUPPC	DRT MN	ſR					
	l coroon	Initial	Transmit				Rece	eive diag	nosis					
SELECT STOTEN		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERS
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN00)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	UNKWN	I	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	UNKWN	UNKWN	Н	CAN COMM CIRCUIT (UN00)	-
BCM	No inditation	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	UNKWN	UNKWN	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKAN	-	I	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN00)	-
														PKIC3405E

M

L

LAN

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

SELECT SYSTEM screen		Initial diagnosis	Transmit diagnosis			SELE-DIAG RESULTS								
				ECM	тсм	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI -DIAC	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN00)	CAN COMM CIRCL (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	UNKWN	UNKWN	Н	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN		-	UNKWN	-	-	-	UNKWN	ł	CAN COMMCIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	_	-	UNKWN	UNKWN	-	Ι	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	_	UNKWN	_	-	-	-	CAN COMM CIRCUIT (U1000)	

Case 17

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

SELECT SYSTEM screen		een Initial diagnosis	Transmit											
			diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI -DIAC	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	1	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	-	-	-	-	-	ł	-	UNKWN	I	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	UNKWN	UNKWN	ł	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	1	-	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	1	-	UNKWN	UNKWN	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	ł	-	UNKWN	ł	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	_	UNKWN	_	-	-	-	-	1	I	CAN COMMCIRCUIT (UN00)	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
														PKIC3407E
CAN SYSTEM (TYPE 15)

	[CAN]	
CAN SYSTEM (TYPE 15)	PFP:23710	
Component Parts and Harness Connector Location	UKS004NU	A
Refer to LAN-25, "Component Parts and Harness Connector Location".		
Schematic	UKS004NV	В
Refer to LAN-26, "Schematic".		
Wiring Diagram — CAN —	UKS004NW	С
Refer to LAN-27, "Wiring Diagram — CAN —".		
		D

LAN

Е

F

G

Н

J

L

Μ

Check Sheet

UKS004PP

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

					CAN	DIAG SU	PPORT N	INTR					
SELECT SYSTEM	1 screen	Initial diagnosis	Transmit diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULTS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	_	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	_	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	_	-	-	-	CAN COMM CIRCUIT	_
BCM	No	NG	UNKWN	UNKWN		UNKWN	_				UNKWN	CAN COMM CIRCUIT	_
HVAC	No	-	UNKWN	UNKWN	_	-	UNKWN	_	_	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	_	_	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	_	-	-	-	CAN COMM CIRCUIT (U1000)	_
			S	Attach co ELECT S	opy of YSTEM			SE	Attach co LECT SY	oy of 'STEM			

CAN SYSTEM (TYPE 15)



[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Г

Check harness between TCM and driver seat control unit. Refer to <u>LAN-350</u>, "Inspection Between TCM and <u>Driver Seat Control Unit Circuit</u>".

					CAN	DIAG SU	PPORT N	INTR					
	1 ooroon	1-32-1	–				Receive (diagnosis	;				
SELECT STOLEN	I SUICEII	diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIA	
ENGINE			UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U 1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	+	-	-	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN000)	
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	1	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN000)	
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN		-	CAN COMM CIRCUIT (UN000)	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	_	-	-	-	CAN COMMCIRCUIT (UN00)	



Check harness between driver seat control unit and data link connector. Refer to <u>LAN-354</u>, "Inspection A <u>Between Driver Seat Control Unit and Data Link Connector Circuit</u>".

					CAN	DIAG SU	IPPORT N	INTR					
	Looroon	la itta l	T				Receive of	liagnosis					
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	I NEGULI G
ENGINE			UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T		NG	UNKWN	UNKWN	-	UNKWN	-		UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	1	-	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	I	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	F	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS		NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	Η	CAN COMMCIRCUIT (U 000)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	-	-	UNKWN	_	_	-	-	CAN COMMCIRCUIT (UN00)	



В

[CAN]

LAN

L

Μ

J

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u><u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

					CAN	DIAG SU	PPORT N	INTR					
	l coroon	la itta l	T				Receive of	diagnosis	3				
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	a neodero
ENGINE	1	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCU (U 001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	
AUTO DRIVE POS.	No indication	—	-	-	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	I	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	ł	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	H	UNKWN	UNKWN	-	-	CAN COMMCIRCUIT (UN00)	-
IPDM E/R	No indition	-	UNKWN	UNKWN	-	-	UNKWN	-	_	-	-	CAN COMM CIRCUIT (UN000)	



А

В

С

D

Ε

F

Case 4

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

					CAN	DIAG SU	PPORT N	1NTR					
	l scroon	Initial	Transmit				Receive of	liagnosis	5				
SELECTOTOTEN	1 3010011	diagnosis	diagnosis	ECM	TCM	ME⊺ER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SEEI -DIAC	INEGOLIO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN000)	CAN COMMCIRCUIT (UN001)
A/T	I	NG	UNKWN	UNKWN	١	UNKWN	-	-	UNKWN	UNKWN	1	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	I	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	1	-	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	I	UNKWN	1	CAN COMMCIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	I	I	CAN COMMCIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	_	UNKWN		-	-	-	CAN COMMCIRCUIT	-



Μ

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
	l coroon	In Mari	T				Receive	diagnosis	\$				
SELECTOTOTEN	1 3010011	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SEE -DIAC	THEODERS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN00)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	_
AUTO DRIVE POS.	No indication	-	+	-	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN00)	
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	I	CAN COMMCIRCUIT (UN00)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	_	-	-	CAN COMM CIRCUIT (U1000)	



А

В

С

D

Ε

F

Case 6

Check driver seat control unit circuit. Refer to LAN-357, "Driver Seat Control Unit Circuit Inspection" .

					CAN	DIAG SU	IPPORT N	INTR					
	Looroon	la itta l	T				Receive of	liagnosis					DECUITO
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	I NEGULIG
ENGINE			UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	I	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	I	CAN COMM CIRCUIT (U1000)	-
ABS		NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	Η	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN		_	-	-	CAN COMM CIRCUIT (U1000)	-



 \mathbb{N}

٦

Case 7

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

	l				CAN	DIAG SU	PPORT N	/NTR					
	1 coroon	1-141-1	Transmit	1			Receive (diagnosis	;				
SELECT STOTEN	1 SUICEII	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SEEP-DIAC	THEOULIO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	_	NG	UNKWN	UNKWN	_	UNKWN	_	_	UNKWN	UNKWN	_	CAN COMM CIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication			-	UNKWN	UNKWN	UNKWN	_	_	-	-	CAN COMM CIRCUIT (U 000)	-
BCM	No indication	NG	UNKWN	UNKWN	_	UNKWN	-	-	_	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication		UNKWN	UNKWN	_	-	UNKWN	_	_	UNKWN	_		-
ALL MODE AWD/4WD	_	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	—	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	_
IPDM E/R	No indication	_	UNKWN	UNKWN	_	-	UNKWN	-	_	-	—	CAN COMM CIRCUIT (U1000)	_



А

В

С

D

Ε

F

Case 8

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
SELECT SVSTEM	l scroon	Initial	Tranomit				Receive of	liagnosis	;				RESULTS
GELEOTOTOTEN	13010011	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI-DIAC	THEODERO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN01)
A/T	1	NG	UNKWN	UNKWN	١	UNKWN	-		UNKWN	UNKWN	I	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	I	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	1	-	UNKWN	-	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	I	UNKWN	I	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	I	I	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	_	-	-	CAN COMM CIRCUIT	-



Μ

Case 9

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

		•											
					CAN	DIAG SU	PPORT N	INTR					
	l scroon	Initial	Transmit				Receive (diagnosis	\$				
SELECT STOTEN	SUBER	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R		INCOULO
ENGINE	_	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T		NG	UNKWN	UNKWN	_	UNKWN		-	UNKWN	UNKWN		CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No inditiation			-	UNKWN	UNKWN	UNKWN	-	-			CAN COMM CIRCUIT (U1000)	-
ВСМ	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	_	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indition		UNKWN	UNKWN		-	UNKWN	-	_	UNKWN		_	
ALL MODE AWD/4WD		NG	UNKWN	UNKWN	UNKWN	UNKWN	_	-	-	UNKWN	_	CAN COMM CIRCUIT (U1000)	-
ABS	_	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication		UNKWN	UNKWN	_	-	UNKWN	-	_		_	CAN COMM CIRCUIT (U1000)	_



А

В

С

D

Е

F

Case 10

Check steering angle sensor circuit. Refer to LAN-360, "Steering Angle Sensor Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
	Lecroon	Initial	Tranamit				Receive of	liagnosis	;				
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	I NEGULIG
ENGINE		-	UNKWN	-	UNKWN	UNKWN	UNKWN		UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T		NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	ł
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	I	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	ł	-	-	UNKWN	I	CAN COMM CIRCUIT (U1000)	-
ABS		NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN		Η	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN		-	-	-	CAN COMM CIRCUIT (U1000)	



Μ

٦

Case 11

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR				í –	
	l scroon	Initial	Transmit				Receive (diagnosis	<u>ز</u>				
SELECT STOTEM	SUBER	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEOULIO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T		NG	UNKWN	UNKWN	_	UNKWN		-	UNKWN	UNKWN		CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	_		-	UNKWN	UNKWN	UNKWN	-	-	-		CAN COMM CIRCUIT (U1000)	-
ВСМ	No indication	NG	UNKWN	UNKWN	_	UNKWN	_	-	_	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indition		UNKWN	UNKWN		-	UNKWN	-	_	UNKWN		_	
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	_	-	-	UNKWN		CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	_	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	_	_	_	CAN COMM CIRCUIT (U1000)	_



А

В

С

D

Е

F

Case 12

Check transfer control unit circuit. Refer to LAN-361, "Transfer Control Unit Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR						
	Looroon	In this I	T				Receive of	diagnosis	;				DECUITO	
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAG	I NEGULIG	
ENGINE		-	UNKWN	-	UNKWN	NKWN UNKWN UNKWN UNI						CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN001)	
A/T		NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	Ι	-	CAN COMM CIRCUIT (U1000)	-	
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	1	UNKWN	(U1000)		
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	I	-	-	
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	ł	-	-	UNKWN	I	CAN COMMCIRCUIT (UN00)	-	
ABS		NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	Η	CAN COMMCIRCUIT (UN00)	_	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN		_	-	-	CAN COMM CIRCUIT (U1000)		



Μ

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "<u>ABS Actuator and Electric Unit</u> (<u>Control Unit</u>) <u>Circuit Inspection</u>".

					CAN	DIAG SU	PPORT N	INTR					
	Lecroon	Initial	Transmit				Receive of	diagnosis	3				
SELLOT STOTEN	SCIECII	diagnosis	diagnosis	ECM	тсм	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	GLEI -DIAC	INCOULO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCL (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	Ι	-	CAN COMM CIRCUIT (U1000)	_
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	ł	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	_
ABS		V	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN		-	CAN COMMCIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	_	_	-	-	CAN COMM CIRCUIT (U1000)	



А

В

С

D

Ε

F

Н

Case 14

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

					CAN	DIAG SU	PPORT N	INTR					
	l seroon	Initial	Transmit				Receive of	liagnosis	3				
SELECTOTOTEN	SCIECII	diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SEEF -DIAC	INEGOLIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM/CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-		UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	I	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	I	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	1	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	I	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS		NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN		-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indition	_	UNKWN	UNKWN	-	-	UNKWN		_	-	-	CAN COMMCIRCUIT	-



Case 15

Γ



[1			CAN							T	
					GAN	DIAG 30	Receive	diagnosis	;				
SELECT SYSTEM	/ screen	Initial diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULIS
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN00)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	I	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMMCIRCUIT (UN00)	—
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	1	1	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	I	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	I	CAN COMM CIRCUIT (UN00)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	1	I	CAN COMMCIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	_	-	_	CAN COMMCIRCUIT (UN00)	

LAN

L

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

					CAN	DIAG SU	PPORT N	/NTR					
	l coroon	Initial	Transmit				Receive (diagnosis	3				
SELECTOTOTEN		diagnosis	diagnosis	ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R		INCOULO
ENGINE	-	+	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN00)	CAN COMM CIRCI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	Ŧ	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	Ι	-	CAN COMM CIRCUIT (UN00)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	_	-	CAN COMM CIRCUIT (U1000)	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	_	1	-	CAN COMM CIRCUIT (U1000)	-

Case 17

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

					CAN	DIAG SU	PPORT N	1NTR					
	1 scroon	Initial	Tranomit				Receive of	diagnosis	1				BESUITS
OLLEOT OTOTEL	a solution	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIA	
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	-	-	-	ł	-	-	UNKWN	I	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	Η	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	_	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	-	UNKWN	-	-	-	-	-	-	CAN COMMCIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	_	-	-	CAN COMM CIRCUIT (U1000)	-
													PKIC3424E

CAN SYSTEM (TYPE 16)

	[CAN]	
CAN SYSTEM (TYPE 16)	PFP:23710	
Component Parts and Harness Connector Location	UKS004NY	A
Refer to LAN-25, "Component Parts and Harness Connector Location".		
Schematic	UKS004NZ	В
Refer to LAN-26, "Schematic".		
Wiring Diagram — CAN —	UK\$004O0	С
Refer to LAN-27, "Wiring Diagram — CAN —".		
	ļ	D

LAN

Е

F

G

Н

I

J

L

Μ

Check Sheet

UKS004O1

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Check sheet ta	ble														
						CAN D	IAG SU	PPORT	MNTR	· _					
SELECT SYSTEM	I screen	Initial diagnosis	Transmit diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULTS
ENGINE	-	-	UNKWN	_	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	_	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	_	_	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	_
Symptoms :															
	Attach copy of Attach copy of														
				SELE	CT SYS	TEM				SELEC	T SYST	ΈM			
Dian		rol unit "	Tranalati	on Cho	ot. Dour	ito tho f				ut a aba		on the			
Confirmation/	Adjustme	ent Disp	lav	Chec	k sheet	table Di	splay	Con	firmatio	n/Adjus	tment D	isplay	Ch	eck sheet table	Display
CAN COMM					Initial di	agnosis		CAN	I CIRC	5				METER/M8	A
CAN CIRC 1				Tr	ansmit (diagnos	is	CAN	I CIRC	6					
CAN CIRC 2					BC	M		CAN	I CIRC	7				IPDM E/F	l
CAN CIRC 3					EC	M				8					
CAN CINC 4			i		110	AC		CAI	I CIAC						
															
							Atta	ch copy	of						
					CAN		display		unit	neck sh	oot 1				
					UAN	2140 3			nonu	IGUN OF	501				
L															
															PKIC2952E

LAN-308

CAN SYSTEM (TYPE 16)



[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and driver seat control unit. Refer to <u>LAN-350</u>, "Inspection Between TCM and <u>Driver Seat Control Unit Circuit</u>".

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	A screen	Initial	Transmit				F	Receive	diagnos	is				SELE-DIAC	BESUITS
OLLEOT OTOTER	i soreen	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIRC	
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN		CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-		UNKWN	UNKWN	-	UNKWN	_	-	-	-	-	CAN COMMCIRCUIT (UN00)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	1	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMMCIRCUIT (UN00)	-
															PKIC3425E



В

С

D

Ε

F

Н

J

LAN

L

Case 2

Check harness between driver seat control unit and data link connector. Refer to <u>LAN-354</u>, "Inspection A <u>Between Driver Seat Control Unit and Data Link Connector Circuit</u>".

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	l screen	Initial	Transmit				R	eceive	diagnos	s				SELE-DIAG	BESULTS
SELECT OTOTEN	1 3010011	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIAC	THEODERO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN		CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	Ŧ	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No inditation	-	+	-	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	CAN COMMCIRCUIT (UN00)	-
Display control unit	1	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	ł	-	H	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	ł	-	ł	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	1	-	-	CAN COMM CIRCUIT (UN00)	-
															PKIC3426E



M

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u> <u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

						CAN D	IAG SU	PPORT	MNTR						
	1 coroon	Initial	Transmit				F	Receive	diagnos	is					
SELECTOTOTEN	n scieen	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	I NEGOLIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	_	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	ł	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-		UNKWN	UNKWN	-	UNKWN	-	-	-	1	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	_	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	-		CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	_	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	I	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	ł	-	-	ł	I	CAN COMM CIRCUIT (UN00)	-
															PKIC3427E



А

В

С

D

Ε

F

Case 4

Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

ſ						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	A screen	Initial	Transmit				F	eceive	diagnos	is				SELE-DIAG	BESUITS
ULLEON OTOTEL	il solden	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		HEODEIO
ENGINE	-	-	UNKWN	I		UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U 1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U 1000)	-
AUTO DRIVE POS.	No indication	-	1	1	UNKWN	UNKWN	-	UNKWN	-	-	-	1	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	-	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	_	-	-	UNKWN	-	CAN COMMCIRCUIT (U 000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	_
															PKIC3428E



 \mathbb{N}

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	1 screen	Initial	Tropomit				F	Receive	diagnos	is					BESUITS
OLLEON ON OTHER	1 3010011	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIA	
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMMCIRCUIT (UN00)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	Ŧ	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	1	-	-	1	-	CAN COMMCIRCUIT (UN00)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	_	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	ŀ	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	ł	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	_	-	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	I	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
															PKIC3429E



А

В

С

D

Е

F

Case 6

Check driver seat control unit circuit. Refer to LAN-357, "Driver Seat Control Unit Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	l screen	Initial	Transmit				F	eceive	diagnos	is				SELE-DIAG	RESULTS
GELEOTOTOTER	il sol com	diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE		-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	I	1	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No inditation	-	1	1	UNKWN	UNKWN	-	UNKWN	-	-	-	1	-	CAN COMMCIRCUIT (U 000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
ВСМ	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	ł	1	-	ŀ	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-



 \mathbb{N}

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	l screen	Initial	Tropomit				F	leceive (diagnos	is				SELE-DIAG	BESUITS
GELEOTOTOTEN	n Sorcon	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	I	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	1	-	-	1	1	CAN COMMCIRCUIT (UN00)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	ł	-	-	H	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U 000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	F	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
															PKIC3431E



А

В

С

D

Е

F

Case 8

Check display control unit circuit. Refer to LAN-358, "Display Control Unit Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
	1 screen	Initial	Tronomit				R	eceive	diagnos	is					RESULTS
SELECT OTOTER	n sereen	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		HEGGEIG
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	ł	UNKWN	-	-	F	-	UNKWN	UNKWN	1	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	1	1	UNKWN	UNKWN	-	UNKWN	1	-	-	1	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-		-	-
BCM	No indication	NG	UNKWN	UNKWN	1	UNKWN	-	-	ł	-	-	ŀ	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	1	-	UNKWN	UNKWN	I	-	-	UNKWN	I	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-



 \mathbb{N}

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	/ screen	Initial	Transmit				F	Receive	diagnos	is				SELE-DIAC	BESUITS
OLLEOT OTOTER	in solution	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIRC	
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No indication	-	-	_	UNKWN	UNKWN	-	UNKWN	_	-	-	-	-	CAN COMMCIRCUIT (UN00)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	_	UNKWN	-	-	UNKWN	_	-
BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	I	1	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMMCIRCUIT (UN00)	
															PKIC3433E



А

В

С

D

Е

F

Case 10

Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	l screen	Initial	Transmit				F	eceive	diagnos	is				SELE-DIAG	RESULTS
OLLEOT OTOTEN	1 Sorcen	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		HEOOEIO
ENGINE	1	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	-	ł	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	I	NG	UNKWN	UNKWN	ł	UNKWN	-	-	I	ł	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No inditation	-	1	1	UNKWN	UNKWN	-	UNKWN	-	-	-	1	-	CAN COMM CIRCUIT (U1000)	_
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No inditation	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	_	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-



M

Check steering angle sensor circuit. Refer to LAN-360, "Steering Angle Sensor Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	l screen	Initial	Tropomit				F	Receive	diagnos	is					
OLLEON OTOTEN	n Sorcon	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIA	THEODERO
ENGINE	_	-	UNKWN	_	UNKWN	UNKWN	-	UNKWN	I	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	_	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	_	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	_	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	ł	1	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
															PKIC3435E



А

В

С

D

Ε

F

Case 12

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SVOTEN	l coroon	Initial	Transmit				F	leceive	diagnos	is					BESILITS
SELECTOTOTEN	1 3010011	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERS
ENGINE	I	-	UNKWN	I	UNKWN	UNKWN	-	UNKWN	I	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	Ŧ	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	1	1	UNKWN	UNKWN	-	UNKWN	1	1	-	1	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	_	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
													DKIC2426E		



М

Check transfer control unit circuit. Refer to LAN-361, "Transfer Control Unit Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	l screen	Initial	Tropomit				F	leceive	diagnos	is					RESULTS
OLLEON OTOTEN	n Sorcon	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIA	
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	ł	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	_	UNKWN	UNKWN	_	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	ł	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	ł	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	_	-	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMMCIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	
															PKIC3437E



Case 14

Check ABS actuator and electric unit (control unit) circuit. Refer to <u>LAN-362</u>, "ABS Actuator and Electric Unit <u>(Control Unit) Circuit Inspection</u>".

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	A screen	Initial	Transmit				F	eceive	diagnos	is				SELE-DIAG	RESULTS
OLLEOT OTOTEL	il soleen	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		ILCOLIC
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	—	UNKWN	UNKWN	-	UNKWN	_	-	-	-	-	CAN COMM CIRCUIT (U1000)	_
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	1	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	_	-	-	UNKWN	-	CAN COMMCIRCUIT (U 1000)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
															PKIC3438E



F G

В

С

D

J

LAN

L

Μ

Case 15 Check IPDM E/R circuit. Refer to <u>LAN-362</u>, "IPDM E/R Circuit Inspection" .

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	A screen	Initial	Transmit				F	leceive	diagnos	is					BESUITS
	n soreen	diagnosis	diagnosis	ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	1	1	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	-		CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	1	-	4
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	_	-	-	UNKWN	1	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	ŀ	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMMCIRCUIT (UN00)	-
															PKIC3439E



Case 16

Check CAN communication circuit. Refer to LAN-363, "CAN Communication Circuit Inspection" .

SELECT SYSTEM screen			CAN DIAG SUPPORT MNTR												
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										SELE-DIAG RESULTS	
				ECM	тсм	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	_	_	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN		CAN COMM CIRCUIT (UN000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	UNKWN	1	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No inditation	-	-	-	UNKWN	UNKWN	-	UNKWN	_	-	-	-	-	CAN COMMCIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	_	UNKWN	-	_		_	-
BCM	No inditiation	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMMCIRCUIT (UN00)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	-
	••••••							•••••							
Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>A</u> <u>Circuit Inspection</u>".

						CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	l scroon	Initial	Tropomit				F	Receive	diagnos	is				SELE-DIAG	BESUITS
SELECT OTOTEN	1 301 0011	diagnosis	diagnosis	ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		THEODERO
ENGINE	1	-	UNKWN	-		UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U 000)	CAN COMM CIRCUIT (UN01)
A/T	I	NG	UNKWN	UNKWN	ł	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	_	-	-	-	-	CAN COMMCIRCUIT (U 000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-		UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	UNKWN	1	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	_	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
															PKIC3441E

Case 18

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

[CAN D	IAG SU	PPORT	MNTR						
SELECT SYSTEM	l screen	Initial	Transmit				R	eceive (diagnos	is				SELF-DIAG	
		diagnosis	diagnosis	ECM	ТСМ	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	-	-	-	-	1	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	1	1	1	UNKWN	UNKWN	-	UNKWN	-	1	-	1	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-		UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	ł	1	ł	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	1	-	UNKWN	-	-	-
ALL MODE AWD/4WD	1	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	+	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	_	NG	UNKWN	-	UNKWN	-	-	-	-	-	-	-	-	CAN COMMCIRCUIT (UN00)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	
															PKIC3442E

G

Н

I

J

F

В

С

D

Е

LAN

CAN SYSTEM (TYPE 17)

	[CAN]
CAN SYSTEM (TYPE 17)	PFP:23710
Component Parts and Harness Connector Location	UK\$00402
Refer to LAN-25, "Component Parts and Harness Connector Location".	
Schematic	UK\$004O3
Refer to LAN-26, "Schematic".	
Wiring Diagram — CAN —	UKS00404
Refer to LAN-27, "Wiring Diagram — CAN —".	

Check Sheet

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

	-					CAN	I DIAG	SUPPO	DRT MI	NTR						
SELECT SYSTEM s	screen	Initial diagnosis	Transmit diagnosis	ECM	тсм	DIFF LOCK	METER	DISPLAY	ve diag BCM/SEC	nosis STRG	HVAC	AWD/4WD	VDC/TCS	IPDM E/R	SELF-DIAG	RESULTS
ENGINE	_	-	UNKWN	-	UNKWN	_			UNKWN			UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	J	-	-		UNKWN	UNKWN		CAN COMM CIRCUIT	
DIFF LOCK	-	NG	UNKWN	UNKWN	-	H	-	-	-	_	_	UNKWN	UNKWN	_	CAN COMM CIRCUIT	-
AUTO DRIVE POS.	No	-	-	-	UNKWN	-	UNKWN	I	UNKWN	-	_	-	-	_	CAN COMM CIRCUIT	-
Display control unit	-	NG	UNKWN	UNKWN		_	UNKWN	J	UNKWN		UNKWN	-	-	UNKWN	_	_
BCM	No prication	NG	UNKWN	UNKWN	-	-	UNKWN	J	-	-	_	_	_	UNKWN	CAN COMM CIRCUIT	_
HVAC	No		UNKWN	UNKWN	_	_	_	UNKWN	UNKWN		_	_	UNKWN	_		_
ALL MODE AWD/4WD	ndication	NG	UNKWN	UNKWN	UNKWN		UNKWN					_	UNKWN		CAN COMM CIRCUIT	
ABS		NG						·							(U1000) CAN COMM CIRCUIT	_
	No	NG							-			UNKWIN			(U1000) CAN COMM CIRCUIT	
IPDM E/R	ndication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-		-		_	(U1000)	-
				Att SELI	ach co ECT Sì	py of /STEM				SI	Attach ELECT	copy of SYSTE	f E M			
				Att	ach co ECT SY	py of /STEM				SI	Attach ELECT	COPY OF	f EM			
Display	y contr	ol unit	Transla	Att SELI tion Sh	eet: Re	py of /STEM write th	ne follov	wing na	mes, ar Confirm	SI nd put a nation//	Attach ELECT	copy of SYSTE	f EM on the a	above c	heck sheet table	ile.
Displa: Confirmation/Ad CAN COMM	y contr ljustme	ol unit [*] nt Disp	Transla	Att SELI tion Sh Che	eet: Re ck she	py of /STEM write th et table diagno	ne follov Displa sis	wing na	mes, ai Confirm CAN C	SI nd put a nation// IRC 5	Attach ELECT a check Adjustm	copy of SYSTE	f EM on the a splay	above c Ch	heck sheet tab eck sheet table METER/M&	le. ∋ Display
Display Confirmation/Ad CAN COMM CAN CIRC 1	y contr ljustme	ol unit nt Disp	Transla	Att SELI tion Sh Che	eet: Re ck shee Initial Transm	py of /STEM write th et table diagno it diagn	ne follov Displa sis nosis	wing na	mes, ar Confirm CAN C CAN C	SI nd put a nation// IRC 5 IRC 6	Attach ELECT a check Adjustn	copy of SYSTE	f EM on the a splay	above c Ch	heck sheet table eck sheet table METER/M&	le. e Display &A
Display Confirmation/Ad CAN COMM CAN CIRC 1 CAN CIRC 2	y contr	ol unit nt Disp	Transla	Att SELI tion Sh Che	eet: Re ck shee Initial Transm	py of /STEM write th et table diagno it diagn	ne follov Displa sis nosis	wing na	mes, ai Confirm CAN C CAN C CAN C	SI nd put a nation// IRC 5 IRC 6 IRC 7	Attach ELECT	copy of SYSTE	f EM on the a splay	above c Ch	heck sheet tabl eck sheet table METER/M8 — IPDM E/F	ile. 9 Display &A
Display Confirmation/Ad CAN COMM CAN CIRC 1 CAN CIRC 2 CAN CIRC 3	y contr ljustme	ol unit nt Disp	Transla play	Att SELI tion Sh Che	eet: Re ck shea Initial Transm	py of /STEM write th et table diagno it diagn BCM ECM	ne follov Displa sis nosis	wing na	mes, ar Confirm CAN C CAN C CAN C CAN C	SI nd put a nation// IRC 5 IRC 6 IRC 7 IRC 8	Attach ELECT	copy of SYSTE	f EM on the a splay	above c Ch	heck sheet table eck sheet table METER/M& — IPDM E/F —	le. ∋ Display &A
Display Confirmation/Ad CAN COMM CAN CIRC 1 CAN CIRC 2 CAN CIRC 3 CAN CIRC 4	y contr ljustme	ol unit nt Disp	Transla play	Att SELI tion Sh Che	eet: Re ck shea Initial Transm	py of /STEM write th et table diagno it diagn BCM ECM IVAC	ne follov Displa sis nosis	wing na ty	mes, ar Confirm CAN C CAN C CAN C CAN C CAN C	SI nd put a nation// IRC 5 IRC 6 IRC 7 IRC 8 IRC 9	Attach ELECT	copy of SYSTE	f EM on the a splay	above c Ch	heck sheet table eck sheet table METER/M& — IPDM E/F — —	ile. 9 Display &A

LAN-327

А

В

С

D

Ε

F

G

Н

I

J

LAN

L

Μ

CAN SYSTEM (TYPE 17)



CAN SYSTEM (TYPE 17)



CHECK SHEET RESULTS (EXAMPLE)

NOTE:

If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and differential lock control unit. Refer to <u>LAN-349</u>, "Inspection Between TCM and Differential Lock Control Unit Circuit".

						CAN	I DIAG	SUPP	ORT MI	NTR						
	1 noroon	1-32-1	T			0/ 1	10/10	Rece	ive diag	nosis						
SELECT STOTEN	Screen	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAC	A NESULIS
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	
DIFF LOCK		NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	1	-	CAN COMM CIRCUIT (UN00)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	ł	-	CAN COMM CIRCUIT (UN000)	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN		-	-		-	CAN COMM CIRCUIT (UN00)	



В

С

D

Ε

F

Case 2

Check harness between differential lock control unit and driver seat control unit. Refer to <u>LAN-353</u>, "Inspection <u>A</u> <u>Between Differential Lock Control Unit and Driver Seat Control Unit Circuit</u>".

						CAN	I DIAG	SUPPO	DRT MI	NTR						
	1 screen	Initial	Tropomit					Recei	ve diag	nosis					SELE-DIAG	BESUITS
OLLOT OTOTER	0010011	diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIAC	TILOULIO
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNK	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	1	-	UNKWN	-	I	-	-		UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-		UNKWN	-	CAN COMMCIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	I	1	-	UNKWN	-	UNKWN	-	UNKWN	-	-	I	I	ł	CAN COMM CIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	1	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	1	UNKWN	Н	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN		-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	_	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT	



Check harness between driver seat control unit and data link connector. Refer to <u>LAN-354</u>, "Inspection <u>Between Driver Seat Control Unit and Data Link Connector Circuit</u>".

							N DIAG	SUPP	ORT MI	NTR						
SELECT SYSTEM	l screen	Initial	Tranemit					Rece	ive diag	inosis					SELE-DIAC	BESHITS
	10010011	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIA	
ENGINE	-	H	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCL (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U 000)	_
AUTO DRIVE POS.	No indication	1	1	-	UNKWN	-	UNKWN	-	UNKWN	-		-	-	-	CAN COMM CIRCUIT (UN00)	
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication	1	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	ł	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	I	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT	



[CAN]

В

С

D

Ε

F

Case 4

Check harness between data link connector and ABS actuator and electric unit (control unit). Refer to <u>LAN-</u><u>355, "Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit"</u>.

						CAN	I DIAG	SUPPO	DRT MI	NTR						
SELECT SYSTEM	l screen	Initial	Tranemit					Rece	ve diag	nosis					SELE-DIAG	BESULTS
	10010011	diagnosis	diagnosis	ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		TILOOLIO
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT ((U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	I	-	UNKWN	-	I		I		UNKWN	I	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN000)	-
AUTO DRIVE POS.	No indication	-	1	-	UNKWN	-	UNKWN	-	UNKWN		-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	H	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	_	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
PDM E/R	NotindNation	-	UNKWN	UNKWN	-	-	-	-	UNKWN		-	-	-	_	CAN COMM CIRCUIT	<u></u>



Check ECM circuit. Refer to LAN-356, "ECM Circuit Inspection" .

						CAN	N DIAG	SUPPO	DRT MI	NTR						
SELECT SYSTEM	1 screen	Initial	Tropomit					Rece	ive diag	gnosis					SELE-DIAG	BESUITS
OLLEOT OTOTEN	1 Sereen	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIAC	THEODERO
ENGINE	1	I	UNKWN	I	UNKWN	-	UNKWN	-	UNKWN	-	ł		UNKWN		CAN COMM CIRCUIT (UN00)	CAN COMM CIRCU (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-		UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK		NG	UNKWN	UNKWN	-	-	-		-	-	-	UNKWN	UNKWN	ł	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	1	1	1	UNKWN	-	UNKWN	-	UNKWN	-	-	1	1	ł	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	H	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	_
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-		-	-	-	CAN COMM CIRCUIT	



А

В

С

D

Ε

F

Case 6

ſ

Check TCM circuit. Refer to LAN-356, "TCM Circuit Inspection" .

[Т	
						UAP	N DIAG	Booo								
SELECT SYSTEM	1 screen	Initial diagnosis	Transmit diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULTS
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-		UNKWN	-	CAN COMM CIRCUIT (U 000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No indication	-	1	1	UNKWN	-	UNKWN	-	UNKWN	-	_	-	-	-	CAN COMM CIRCUIT (UN000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
ВСМ	No indication	NG	UNKWN	UNKWN	ł	-	UNKWN	ł	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN		-	CAN COMM CIRCUIT (U 000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-		-	CAN COMM CIRCUIT (U1000)	-



H

LAN

J

L

Check differential lock control unit circuit. Refer to LAN-357, "Differential Lock Control Unit Circuit Inspection" .

						CAI	N DIAG	SUPP	ORT M	NTR						
SELECT SYSTEM	A screen	Initial	Tranemit					Rece	ive diag	gnosis					SELE-DIAC	BESUITS
		diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIRC	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-		UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	1	ł	CAN COMM CIRCUIT (U1000)	_
Display control unit	-	NG	UNKWN	UNKWN		-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	ł	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	-	-	-	_	UNKWN	-	_	-	-	1	CAN COMM CIRCUIT (U1000)	-
																PKIC3449E



[CAN]

А

В

С

D

Ε

F

Н

J

Case 8

Check driver seat control unit circuit. Refer to LAN-357, "Driver Seat Control Unit Circuit Inspection" .

						CAN	I DIAG	SUPPO	DRT MI	NTR						
	l scroon	Initial	Transmit					Rece	ve diag	nosis						
OLLLOT STOTEM	I SUICEII	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	INCOULO
ENGINE	-	I	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	I	UNKWN	-	I	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	1	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No inditation	1	1	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	_	CAN COMMCIRCUIT (U 000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication		UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-



Μ

L

Check combination meter circuit. Refer to LAN-358, "Combination Meter Circuit Inspection" .

						CAN	N DIAG	SUPP	ORT M	NTR						
SELECT SYSTEM	A screen	Initial	Transmit					Rece	ive diag	gnosis					SELE-DIAG	BESULTS
		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMMCIRCU (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-				UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-		-	-	UNKWN	UNKWN	ł	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	1	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	ł	CAN COMM CIRCUIT (UN00)	_
Display control unit	-	NG	UNKWN	บทหพท	-	-	UNKWN	- 1	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	_	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	I	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	_	UNKWN	UNKWN	-	-	_	_	UNKWN	-	_	_	_	1	CAN COMM CIRCUIT (U1000)	_
																PKIC3451E



Check display control unit circuit. Refer to LAN-358, "Display Control Unit Circuit Inspection" .

		[CAN	I DIAG	SUPPO	ORT MI	NTR					T	
	1 sereen	In this I	Tanania					Rece	ive diag	nosis						
SELECT STOLEN	n screen	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAG	INCOULO
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-		-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	_	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
																PKIC3452E



Μ

L

[CAN]

А

В

С

D

Е

F

Н

J

Г

Check BCM circuit. Refer to LAN-359, "BCM Circuit Inspection" .

						CAN	I DIAG	SUPP	ORT MI	NTR						
SELECT SYSTEM	Iscreen	Initial	Tranemit					Rece	ive diag	inosis					SELE-DIAC	BESUITS
00000000000000000		diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	I	I	UNKWN	I	UNKWN	ł	UNKWN	-		-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN01)
A/T		NG	UNKWN	UNKWN	-	-	UNKWN	-		-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	ł	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	_	-	-	-	CAN COMM CIRCUIT (UN000)	_
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indition	NG	UNKWN	UNKWN	ł	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	_
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT	_



Check data link connector circuit. Refer to LAN-359, "Data Link Connector Circuit Inspection" .

						CAN	I DIAG	SUPPO	ort Mi	NTR						
SELECT SYSTEM	Iscreen	Initial	Tropomit					Rece	ve diag	Inosis						BESUITS
OLLEOT OTOTEN	13610011	diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIAC	TILOULIO
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-			UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No inditation	-	1	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	_	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	1	UNKWN	-	-
BCM	No inditation	NG	UNKWN	UNKWN	I	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	+	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	_	-	-	UNKWN		-	-	_	-	CAN COMM CIRCUIT (U1000)	



G H I

LAN

J

Μ

L

А

В

С

D

Е

F

Check steering angle sensor circuit. Refer to LAN-360, "Steering Angle Sensor Circuit Inspection" .

				•		CAN	N DIAG	SUPP	ORT M	NTR						
SELECT SYSTEM	A screen	Initial	Tronemit					Rece	ive diag	nosis					SELE-DIAC	BESUITS
		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIRC	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-		UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	1	ł	CAN COMM CIRCUIT (U1000)	_
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	I	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	ł	CAN COMM CIRCUIT (U1000)	_
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	_	UNKWN	-	_	-	-	-	CAN COMM CIRCUIT (U1000)	
																PKIC3455E



А

В

С

D

Е

F

Н

I

J

Case 14

Check front air control circuit. Refer to LAN-360, "Front Air Control Circuit Inspection" .

						CAN	I DIAG	SUPPO	ORT MI	NTR						
SELECT SVSTEM	l scroon	Initial	Transmit					Rece	ive diag	gnosis						
OLLOT STOTEM	Scieen	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	INCOULO
ENGINE	-	I	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-		-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	1	1	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	_	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	1	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication		UNKWN	UNKWN	-	_	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	<u> </u>



Μ

L

Check transfer control unit circuit. Refer to LAN-361, "Transfer Control Unit Circuit Inspection" .

						CAN	N DIAG	SUPP	ORT M	NTR						
SELECT SYSTEM	l screen	Initial	Tropomit					Rece	ive diag	nosis					SELE-DIAG	BESUITS
	i sereen	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIAC	
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCU (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	_
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	1	-	CAN COMM CIRCUIT (U1000)	
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	ł	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	Ŧ	UNKWN	-	-	-	-	-	ł	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	_	-		-	CAN COMM CIRCUIT (U1000)	



В

С

D

Ε

F

Н

L

Case 16

А Check ABS actuator and electric unit (control unit) circuit. Refer to LAN-362, "ABS Actuator and Electric Unit (Control Unit) Circuit Inspection".

							I DIAG	SUPPO	ORT MI	NTR						
SELECT SYSTEM	A screen	Initial	Tranemit					Rece	ive diag	nosis					SELE-DIAG	BESUITS
OLLOT OTOTER	0010011	diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	OLLI DIAC	TILOULIO
ENGINE	-	I	UNKWN	-	UNKWN	ł	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	1	-	UNKWN	-	-	-	-	UNKWN		-	CAN COMM CIRCUIT (UN00)	1
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-		UNKWN	UNKWN	-	CAN COMMCIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	1	1	-	UNKWN	1	UNKWN	-	UNKWN	-	_	-	1	ł	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-		UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	_
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	V	UNKWN	UNKWN		UNKWN	-	-	-	UNKWN	-		-	-	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication		UNKWN	UNKWN	-		-	_	UNKWN		-	-		-	CAN COMM CIRCUIT (U1000)	-



Г

Check IPDM E/R circuit. Refer to LAN-362, "IPDM E/R Circuit Inspection" .

						CAN	N DIAG	SUPPO	ORT MI	NTR						
	l scroon	Initial	Transmit					Rece	ive diag	nosis						
SELECT STOLEN	SCIECII	diagnosis	diagnosis	ECM	ТСМ	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	I NEGOLIG
ENGINE	-	I	UNKWN	-	UNKWN	F	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUI (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-		-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
AUTO DRIVE POS.	No indication	1	1	1	UNKWN	1	UNKWN	-	UNKWN	-	-	-	I	ł	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	ł	-	UNKWN	-	-	-	H	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	<u></u>
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	1	-	CAN COMMCIRCUIT (UN00)	-



[CAN]

А

В

С

D

Е

F

Н

Case 18

Г

Check CAN communication circuit. Refer to LAN-363, "CAN Communication Circuit Inspection" .

						CAN	DIAG	SUPP	ORT MI	NTR						
SELECT SYSTEM	A screen	Initial diagnosis	Transmit diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELF-DIAG	RESULTS
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCUIT (UN01)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNK	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	_	-	-	-	CAN COMM CIRCUIT (UN00)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN		UNKWN	-	-	UNKWN	-	-
BCM	No inditation	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	Ŧ	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No inditation	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-		-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	V	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	1	-	CAN COMM CIRCUIT	-
IPDM E/R	No inditation	-	UNKWN	UNKWN	-	-	_	_	UNKWN		_	-	-	-	CAN COMM CIRCUIT	_
																PKIC3460E

Case 19

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

						CAN	N DIAG	SUPPO	ORT M	NTR						
SELECT SYSTEM	A screen	Initial	Tranemit					Rece	ive diag	inosis					SELE-DIAC	BESUITS
		diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (UN00)	CAN COMM CIRCUIT (UN001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (UN00)	_
AUTO DRIVE POS.	No indication	-	1	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (UN00)	_
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	_	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	ł	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	_	UNKWN	-	-	_	-	-	CAN COMM CIRCUIT (U1000)	-
																PKIC3461E

LAN-347

L

Μ

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to <u>LAN-364</u>, "IPDM E/R Ignition Relay <u>Circuit Inspection</u>".

[1				CAL		SUPP							T	
	1 coroon	In Maria I	T			0/1	100.00	Rece	ive diag	nosis						
SELLOT STOTEW	I SCIECII	diagnosis	diagnosis	ECM	тсм	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R	SELI-DIAC	A NEGOLIG
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	-	-	-	-	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (UN00)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	_
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	_	UNKWN	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	
ABS	-	NG	UNKWN	-	UNKWN	-	-	-	-	-	-	-	-	ł	CAN COMM CIRCUIT (UN00)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	_	UNKWN	-	_	-	-	-	CAN COMM CIRCUIT (U1000)	-
																PKIC3462E

TROUBLE DIAGNOSIS FOR SYSTEM

TROUBLE DIAGNOSIS FOR SYSTEM

Inspection Between TCM and Differential Lock Control Unit Circuit

1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check following terminals and connectors for damage, bend and loose connection (connector side and harness side).
- Harness connector F14
- Harness connector E5
- Harness connector E34
- Harness connector B40

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.

2. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect A/T assembly connector and harness connector F14.
- 2. Check continuity between A/T assembly harness connector (A) and harness connector (B).

	A B		Continuity	
Connector	Terminal	Connector	Terminal	Continuity
F9	3	E14	5	Yes
	8	1 14	15	Yes

OK or NG

OK >> GO TO 3.

NG >> Repair harness.

3. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect harness connector E34.
- Check continuity between harness connector (A) and harness connector (B).

А		В		Continuity
Connector	Terminal	Connector	Terminal	Continuity
E5	5	E3/	24	Yes
	15	204	23	Yes

OK or NG

OK >> GO TO 4.

NG >> Repair harness.





[CAN]

PFP:00000

UKS004Q4

А

В

D

Е

F

- 1. Disconnect differential lock control unit connector.
- 2. Check continuity between harness connector (A) and differential lock control unit harness connector (B).

А		В		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B40	24	D 77	5	Yes
	23		4	Yes

OK or NG

OK >> Connect all the connectors and diagnose again. Refer to LAN-5, "TROUBLE DIAGNOSES WORK FLOW".

NG >> Repair harness.

Inspection Between TCM and Driver Seat Control Unit Circuit 1. CHECK CONNECTOR

UKS004Q5

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check following terminals and connectors for damage, bend and loose connection (connector side and harness side).
- Harness connector F14
- Harness connector E5
- Harness connector E34
- Harness connector B40

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.

2. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect A/T assembly connector and harness connector F14.
- 2. Check continuity between A/T assembly harness connector (A) and harness connector (B).

A		В		Continuity
Connector	Terminal	Connector	Terminal	Continuity
F9	3	E14	5	Yes
	8	1 14	15	Yes

OK or NG

OK >> GO TO 3.

NG >> Repair harness.





TROUBLE DIAGNOSIS FOR SYSTEM

3. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect harness connector E34.
- 2. Check continuity between harness connector (A) and harness connector (B).

-					
	A		В		Continuity
	Connector	Terminal	Connector	Terminal	Continuity
E 5	5	E24	24	Yes	
	ED	15	L34	23	Yes

OK or NG

OK >> GO TO 4.

NG >> Repair harness.

4. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect harness connector B37.
- 2. Check continuity between harness connector (A) and harness connector (B).

A		В		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B40	24	D07	15	Yes
	23	637	14	Yes

OK or NG

OK >> Connect all the connectors and diagnose again. Refer to LAN-5, "TROUBLE DIAGNOSES WORK FLOW".

NG >> Repair harness.

Inspection Between TCM and Data Link Connector Circuit

1. CHECK CONNECTOR

n. Refer to W".

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check following terminals and connectors for damage, bend and loose connection (connector side and harness side).
- Harness connector F14
- Harness connector E5
- Harness connector E34
- Harness connector B40
- Harness connector B69
- Harness connector M40

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.





LAN

L

Μ

[CAN]

А

В

D

Е

F

Н

- 1. Disconnect A/T assembly connector and harness connector F14.
- 2. Check continuity between A/T assembly harness connector (A) and harness connector (B).

A		В		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
F9	3	E1 4	5	Yes	
	8	F 14	15	Yes	

OK or NG

OK >> GO TO 3.

NG >> Repair harness.

3. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect harness connector E34.
- 2. Check continuity between harness connector (A) and harness connector (B).

A			В	Continuity
Connector	Terminal	Connector	Terminal	Continuity
E5	5	E24	24	Yes
	15	L34	23	Yes

OK or NG

OK >> GO TO 4.

NG >> Repair harness.

4. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect harness connector B69.
- 2. Check continuity between harness connector (A) and harness connector (B).

A		В		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B40	24	Peo	51J	Yes
	23	609	52J	Yes

OK or NG

OK >> GO TO 5.

NG >> Repair harness.





Check continuity between harness connector (A) and data link connector (B).

A		В		Continuity	
	Connector	Terminal	Connector	Terminal	Continuity
M40	51J	Maa	6	Yes	
	52J	IVIZZ	14	Yes	

OK or NG

OK >> Connect all the connectors and diagnose again. Refer to LAN-5, "TROUBLE DIAGNOSES WORK FLOW".

NG >> Repair harness.

Inspection Between Differential Lock Control Unit and Driver Seat Control Unit Circuit

1. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Disconnect differential lock control unit connector and harness connector B37.
- 4. Check continuity between differential lock control unit harness connector (A) and harness connector (B).

	Ą	В		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B77	5	B37	15	Yes
	4		14	Yes

OK or NG

OK >> Connect all the connectors and diagnose again. Refer to LAN-5, "TROUBLE DIAGNOSES WORK FLOW".

NG >> Repair harness.

Inspection Between Differential Lock Control Unit and Data Link Connector Circuit

1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check following terminals and connectors for damage, bend and loose connection (connector side and harness side).
- Harness connector B69
- Harness connector M40

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.







[CAN]

L

Μ

Е

F

Н

- Disconnect differential lock control unit connector and harness connector B69 1.
- 2. Check continuity between differential lock control unit harness connector (A) and harness connector (B).

А		В		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B77	5	Peo	51J	Yes	
	4	B09	52J	Yes	

OK or NG

OK >> GO TO 3.

NG >> Repair harness.

3. CHECK HARNESS FOR OPEN CIRCUIT



OK or NG

OK >> Connect all the connectors and diagnose again. Refer to LAN-5, "TROUBLE DIAGNOSES WORK FLOW" .

NG >> Repair harness.

Inspection Between Driver Seat Control Unit and Data Link Connector Circuit

1. CHECK CONNECTOR

- Turn ignition switch OFF. 1.
- 2. Disconnect the battery cable from the negative terminal.
- Check following terminals and connectors for damage, bend and loose connection (connector side and 3. harness side).
- Harness connector B69
- Harness connector M40

OK or NG

>> GO TO 2. OK

>> Repair terminal or connector. NG

2. CHECK HARNESS FOR OPEN CIRCUIT

- Disconnect harness connector B37 and harness connector B69. 1.
- 2. Check continuity between harness connector (A) and harness connector (B).

	A		В	Continuity
Connector	Terminal	Connector	Terminal	Continuity
P 27	15	PGO	51J	Yes
557	14	609	52J	Yes
OK or NG				

Revision: October 2006

>> GO TO 3. >> Repair harness.

OK

NG





2006 Titan

5	
_	
-	



PKIC3844E

Check continuity between harness connector (A) and data link connector (B).

	,	4	В		Continuity
	Connector	Terminal	Connector	Terminal	Continuity
M40	51J	M22	6	Yes	
	10140	52J	IVIZZ	14	Yes

[CAN]

А

В

D

Ε

F

Н

OK or NG

OK >> Connect all the connectors and diagnose again. Refer to LAN-5, "TROUBLE DIAGNOSES WORK FLOW".

NG >> Repair harness.

Inspection Between Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit

1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check following terminals and connectors for damage, bend and loose connection (connector side and harness side).
- Harness connector M31
- Harness connector E152

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.

2. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect harness connector M31.
- 2. Check continuity between data link connector (A) and harness connector (B).

	A	В		Continuity
Connector	Terminal	Connector	Terminal	Continuity
Moo	6	M21	31G	Yes
IVIZZ	14	M31	42G	Yes

OK or NG

OK >> GO TO 3.

NG >> Repair harness.



- 1. Disconnect ABS actuator and electric unit (control unit) connector.
- 2. Check continuity between harness connector (A) and ABS actuator and electric unit (control unit) connector (B).

	A E		В	
Connector	Terminal	Connector	Terminal	Continuity
E152	31G	E125	11	Yes
LIJZ	42G	LIZJ	15	Yes

OK or NG

OK >> Connect all the connectors and diagnose again. Refer to LAN-5, "TROUBLE DIAGNOSES WORK FLOW" .

NG >> Repair harness.

ECM Circuit Inspection

1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check following terminals and connectors for damage, bend and loose connection (control module side and harness side).
- ECM connector
- Harness connector E5
- Harness connector F14

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.

2. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect ECM connector.
- 2. Check resistance between ECM harness connector terminals.

ECM connector	Terminal		Resistance (Approx.)
E16	94	86	108 – 132 Ω

OK or NG

OK >> Replace ECM.

NG >> Repair harness between ECM and A/T assembly.



TCM Circuit Inspection

1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- Check terminals and connector of A/T assembly for damage, bend and loose connection (control module side and harness side).

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.

LAN-356

2006 Titan



UKS004QB

UKS004QC

[CAN[®] 2. CHECK HARNESS FOR OPEN CIRCUIT А 1. Disconnect A/T assembly connector. 2. Check resistance between A/T assembly harness connector terminals. BAT A/T assembly connector A/T assembly Resistance Terminal connector (Approx.) 3 F9 3 8 $54 - 66 \Omega$ OK or NG OK >> Replace control valve with TCM. Ω NG >> Repair harness between A/T assembly and harness connector F14. SKIA6866E Ε Differential Lock Control Unit Circuit Inspection UKS004QD 1. CHECK CONNECTOR F 1. Turn ignition switch OFF. 2. Disconnect the battery cable from the negative terminal. 3. Check terminals and connector of differential lock control unit for damage, bend and loose connection (control unit side and harness side). OK or NG OK >> GO TO 2. Н NG >> Repair terminal or connector. 2. CHECK HARNESS FOR OPEN CIRCUIT Disconnect differential lock control unit connector. 2. Check resistance between differential lock control unit harness connector terminals. BAT **Differential lock** Differential lock control unit connector Resistance control unit Terminal (Approx.) LAN connector Λ

OK or NG

B77

OK >> Replace differential lock control unit.

5

NG >> Repair harness between differential lock control unit and harness connector B69.

4

Driver Seat Control Unit Circuit Inspection

1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check following terminals and connectors for damage, bend and loose connection (control unit side and harness side).

 $54 - 66 \Omega$

- Driver seat control unit connector
- Harness connector P1
- Harness connector B37

OK or NG

- OK >> GO TO 2.
- NG >> Repair terminal or connector.

LAN-357

PKIA9748E

UKS004QE

Μ

Ω

- 1. Disconnect driver seat control unit connector.
- 2. Check resistance between driver seat control unit harness connector terminals.

Driver seat control unit connector	Terminal		Resistance (Approx.)
P2	3	19	$54-66 \Omega$

OK or NG

OK >> Replace driver seat control unit.

NG >> Repair harness between driver seat control unit and harness connector B69.

Combination Meter Circuit Inspection 1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check terminals and connector of combination meter for damage, bend and loose connection (meter side and harness side).

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.

2. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect combination meter connector.
- 2. Check resistance between combination meter harness connector terminals.

Combination meter connector	Terminal		Resistance (Approx.)
M24	11	12	54 – 66 Ω

OK or NG

- OK >> Replace combination meter. NG
 - >> Repair harness between combination meter and data link connector.

Display Control Unit Circuit Inspection

1. CHECK CONNECTOR

- Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check terminals and connector of display control unit for damage, bend and loose connection (control unit side and harness side).

OK or NG

- OK >> GO TO 2.
- NG >> Repair terminal or connector.





PKIA6837E

UKS004QG

UKS004QF

- 1. Disconnect display control unit connector.
- 2. Check resistance between display control unit harness connector terminals.

Display control unit connector	Terminal		Resistance (Approx.)
M95	25	26	54 – 66 Ω

OK or NG

OK >> Replace display control unit.

NG >> Repair harness between display control unit and data link connector.

BCM Circuit Inspection

1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check terminals and connector of BCM for damage, bend and loose connection (control module side and harness side).

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.

2. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect BCM connector.
- 2. Check resistance between BCM harness connector terminals.

BCM connector	Terminal		Resistance (Approx.)
M18	39	40	54 – 66 Ω
		·	•

OK or NG

OK >> Replace BCM. Refer to BCS-20, "BCM".

NG >> Repair harness between BCM and data link connector.



Data Link Connector Circuit Inspection

1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check the terminals and connector of data link connector for damage, bend and loose connection (connector side and harness side).

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.

LAN-359



SKIA6884E

UKS004QI

Display control unit connector

Ω

А

В

D

Ε

F

Н

Μ

Check resistance between data link connector terminals.

Data link connector	Terminal		Resistance (Approx.)
M22	6	14	54 – 66 Ω

OK or NG

- OK >> Diagnose again. Refer to <u>LAN-5, "TROUBLE DIAG-</u><u>NOSES WORK FLOW"</u>.
- NG >> Repair harness between data link connector and combination meter.



Steering Angle Sensor Circuit Inspection

1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check terminals and connector of steering angle sensor for damage, bend and loose connection (sensor side and harness side).

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.

2. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect steering angle sensor connector.
- 2. Check resistance between steering angle sensor harness connector terminals.

Steering angle sensor connector	Terminal		Resistance (Approx.)
M47	3	4	54 – 66 Ω

OK or NG

- OK >> Replace steering angle sensor.
- NG >> Repair harness between steering angle sensor and data link connector.

Front Air Control Circuit Inspection 1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check terminals and connector of front air control for damage, bend and loose connection (unit side and harness side).

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.



UKS004QK

[CAN]

UKS004QH
TROUBLE DIAGNOSIS FOR SYSTEM

2. CHECK HARNESS FOR OPEN CIRCUIT

Front air control with display

- 1. Disconnect front air control connector.
- 2. Check resistance between front air control harness connector terminals.

Front air control connector	Terminal		Resistance (Approx.)
M50	41	42	$54-66 \ \Omega$



Front air control without display

- 1. Disconnect front air control connector.
- 2. Check resistance between front air control harness connector terminals.

Front air control connector	Terminal		Resistance (Approx.)
M50	34	35	54 – 66 Ω

OK or NG

NG

- OK >> Replace front air control.
 - >> Repair harness between front air control and data link connector.

Transfer Control Unit Circuit Inspection

2. Disconnect the battery cable from the negative terminal.

1. CHECK CONNECTOR

1. Turn ignition switch OFF.



UKS004QL J

LAN

L

Μ

OK or NG

3.

- OK >> GO TO 2.
- NG >> Repair terminal or connector.

unit side and harness side).

2. CHECK HARNESS FOR OPEN CIRCUIT

- 1. Disconnect transfer control unit connector.
- 2. Check resistance between transfer control unit harness connector terminals.

Transfer control unit connector	Terminal		Resistance (Approx.)
E142	1	2	54 – 66 Ω

OK or NG

- OK >> Replace transfer control unit.
- NG >> Repair harness between transfer control unit and harness connector E152.



А

F

Н

Check terminals and connector of transfer control unit for damage, bend and loose connection (control

ABS Actuator and Electric Unit (Control Unit) Circuit Inspection

1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- Disconnect the battery cable from the negative terminal. 2.
- Check terminals and connector of ABS actuator and electric unit (control unit) for damage, bend and loose 3. connection (control unit side and harness side).

BAT

11

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.

2. CHECK HARNESS FOR OPEN CIRCUIT

- Disconnect ABS actuator and electric unit (control unit) connector. 1.
- Check resistance between ABS actuator and electric unit (con-2. trol unit) harness connector terminals.

ABS actuator and electric unit (con- trol unit) connector	Terminal		Resistance (Approx.)
E125	11	15	54 – 66 Ω

OK or NG

NG

OK >> Replace ABS actuator and electric unit (control unit).

> >> Repair harness between ABS actuator and electric unit (control unit) and harness connector E152.

IPDM E/R Circuit Inspection

1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Check terminals and connector of IPDM E/R for damage, bend and loose connection (control module side and harness side).

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector.

2. CHECK HARNESS FOR OPEN CIRCUIT

- Disconnect IPDM E/R connector. 1.
- Check resistance between IPDM E/R harness connector termi-2. nals.

IPDM E/R connector	Terminal		Resistance (Approx.)
E122	39	40	108 – 132 Ω

OK or NG

- OK >> Replace IPDM E/R.
- NG >> Repair harness between IPDM E/R and harness connector E152.





ABS actuator and electric unit (control unit) connector C/UNIT

O CONNECTOR

15



[CAN]

TROUBLE DIAGNOSIS FOR SYSTEM

CAN Communication Circuit Inspection

1. CHECK CONNECTOR

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- Disconnect the harness connector for each unit on the CAN network and check terminals for deformation. 3. disconnection, looseness or damage.

Continuity

No

OK or NG

OK >> GO TO 2.

NG >> Repair terminal or connector as necessary.

With all module and control unit connectors disconnected, check

Terminal

2. CHECK HARNESS FOR SHORT CIRCUIT

continuity between data link connector terminals.

6



OK or NG

OK >> GO TO 3. NG

Data link

connector

M22

>> • Repair harness.

 Change harness if shielded lines are used for the harness.

14

3. CHECK HARNESS FOR SHORT CIRCUIT

Check continuity between data link connector terminals and ground.

Data link connector	Terr	ninal	Continuity
M22	6	Ground	No
	14	Ground	No

OK or NG

OK >> GO TO 4.

NG >> • Repair harness.

> Change harness if shielded lines are used for the harness.

4. ECM AND IPDM E/R INTERNAL CIRCUIT INSPECTION

- 1. Remove ECM and IPDM E/R from vehicle.
- 2. Check resistance between ECM terminals.

Terminal		Resistance (Approx.)
94	86	108 – 132 Ω

Check resistance between IPDM E/R terminals. 3.

Terminal		Resistance (Approx.)
39	40	108 – 132 Ω

OK or NG

>> GO TO 5. OK

>> Replace ECM and/or IPDM E/R. NG



SKIA6868F



Ω

LAN

Н

L

LAN-363

А

В

5. снеск сумртом

- 1. Fill in described symptoms on the column "Symptom" in the check sheet.
- 2. Connect all connectors, and then make sure that the symptom is reproduced.

OK or NG

OK >> GO TO 6.

NG >> Refer to LAN-14, "Example of Filling in Check Sheet When Initial Conditions Are Not Reproduced"

6. UNIT REPRODUCIBILITY INSPECTION

Perform the following procedure for each unit on the CAN network, and then perform reproducibility test.

- 1. Turn ignition switch OFF.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Disconnect the unit connector.
- 4. Connect the battery cable to the negative terminal.
- 5. Make sure that the symptom filled in the "Symptom" of the check sheet is reproduced. (Do not confuse it with the symptom related to removed unit.)
- 6. Make sure that the same symptom is reproduced.

Inspection results

Reproduced>>Install removed unit, and then check the other unit. Not reproduced>>Replace removed unit.

IPDM E/R Ignition Relay Circuit Inspection

Check the following. If no malfunction is found, replace the IPDM E/R.

- IPDM E/R power supply circuit. Refer to PG-29, "IPDM E/R Power/Ground Circuit Inspection" .
- Ignition power supply circuit. Refer to <u>PG-13</u>, "IGNITION POWER SUPPLY IGNITION SW. IN ON <u>AND/OR START</u>".

UKS004R8