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LAN SYSTEM

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PRECAUTIONS

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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 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.

WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SRS section.
- 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

UKS001AF

When connecting CONSULT-II to data link connector, connect them through CONSULT-II CONVERTER.

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.
 - If NO, GO TO 5.
2. Is there any indication other than indications relating to CAN communication system in the self-diagnosis results?
 - If YES, GO TO 3.
 - If NO, GO TO 4.
3. Based on self-diagnosis results unrelated to CAN communication, carry out the inspection.
4. Malfunctions may be detected in self-diagnosis depending on control units carrying out CAN communication. Therefore, erase the self-diagnosis results.
5. Diagnose CAN communication system. Refer to [LAN-5, "TROUBLE DIAGNOSES WORK FLOW"](#) .

Precautions For Trouble Diagnosis CAN SYSTEM

UKS001AG

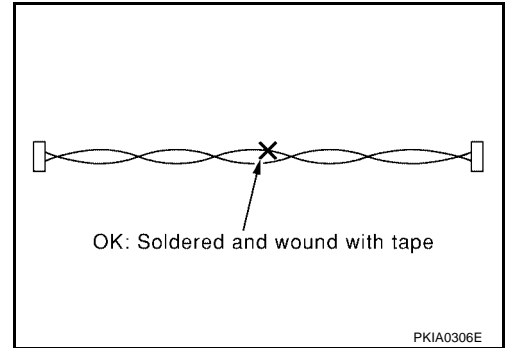
- Do not apply voltage of 7.0 V or higher to the measurement terminals.
- Use the tester with its open terminal voltage being 7.0 V or less.
- Be sure to turn ignition switch OFF and disconnect the battery cable from the negative terminal before checking the circuit.

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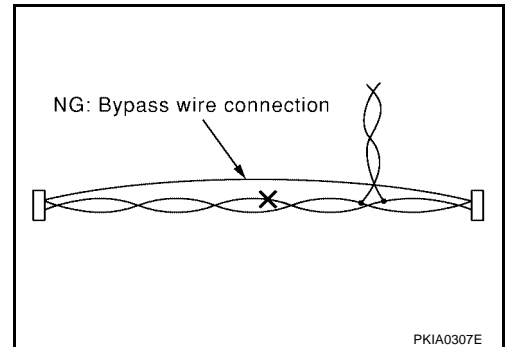
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Precautions For Harness Repair CAN SYSTEM

- Solder the repaired parts, and wrap with tape. [Frays of twisted line must be within 110 mm (4.33 in).]



- 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.)



TROUBLE DIAGNOSES WORK FLOW

PFP:00004

When Displaying CAN Communication System Errors

UKS004M5

WHEN A MALFUNCTION IS DETECTED BY CAN COMMUNICATION SYSTEM

- CAN communication line is open. (CAN H, CAN L, or both)
- 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

- Removal and installation of parts: When the units that perform CAN communication or the sensors related to CAN communication are removed and installed, malfunction may be detected (or DTC other than CAN communication may be detected).
- 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 may be detected by self-diagnosis according to the units.

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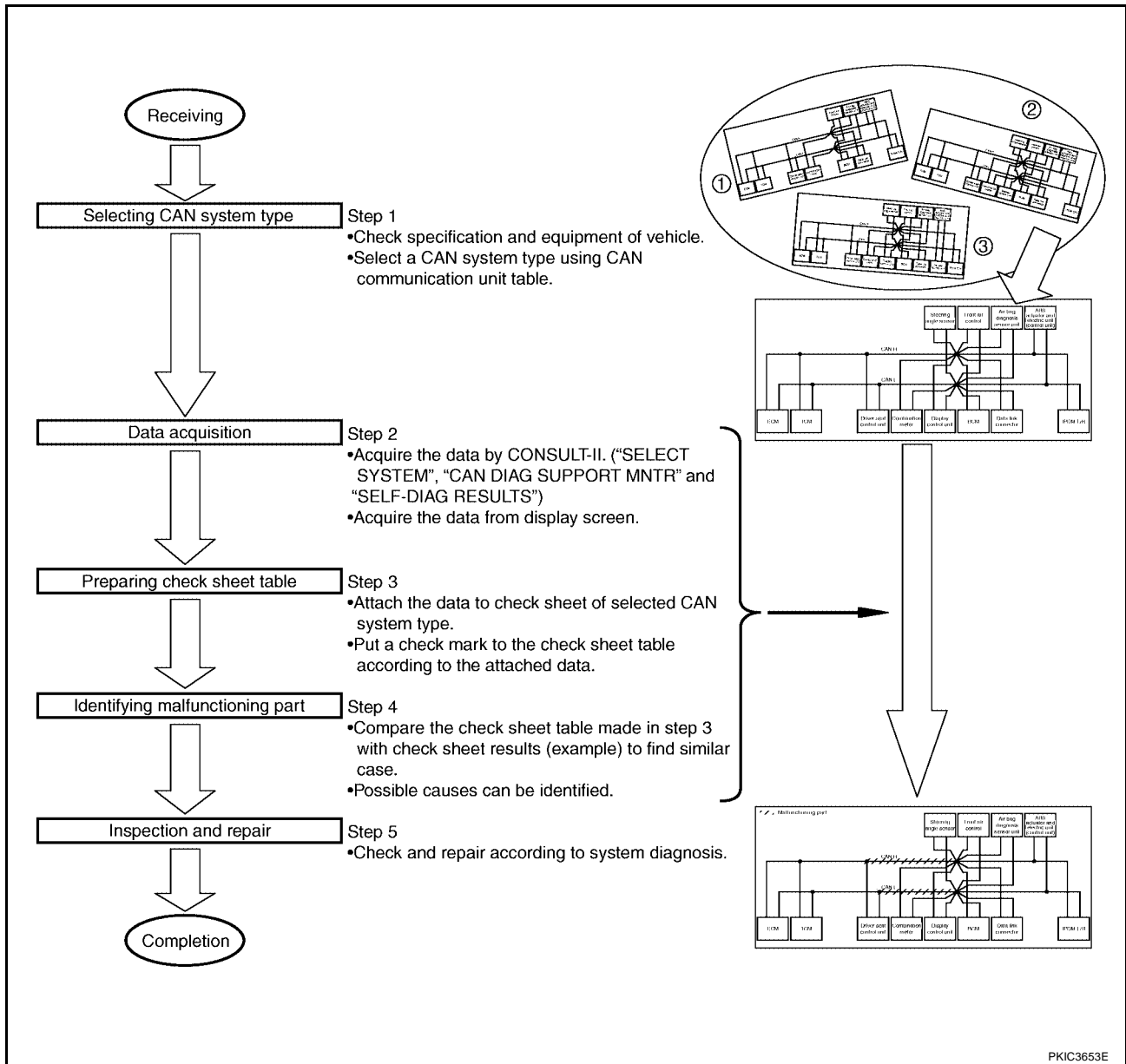
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TROUBLE DIAGNOSIS FLOW CHART

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"](#) .

TROUBLE DIAGNOSES WORK FLOW

[CAN]

UKS004M6

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/2WD/VK56DE/AT/VDC/Without Electronic locking rear differential/With automatic drive positioner/With navigation system

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										x	x	x	x				x
Automatic drive positioner			x	x		x	x		x	x		x	x		x	x	x
Navigation system			x			x			x			x			x		x
CAN system type	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CAN system trouble diagnosis	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒

Check basic specification of the vehicle.

→ Select "x" if it is model with electronic locking rear differential.

→ Select "x" if it is model with automatic drive positioner.

→ Select "x" if it is model with navigation system.

Which number is selected when sequentially selecting from the top of the specification table?

The number is "CAN system type" of the applicable vehicle.

In the case of this example:
It corresponds to type 7.

x: Applicable

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TROUBLE DIAGNOSES WORK FLOW

[CAN]

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 [AV-145, "CAN Communication Line Check"](#).)

Copy "SELECT SYSTEM" screen of CONSULT-II.

SELECT SYSTEM		SELECT SYSTEM	
ENGINE		A/T	
A/T		ABS	
ABS		AIR BAG	
AIR BAG		IPDM E/R	
IPDM E/R		BCM	
BCM		HVAC	
Page Down		Page Up	
BACK	LIGHT	COPY	

AV section
Copy CAN diagnosis support monitor check sheet of CAN communication check.

Diagnosis item	Screen display	Diagnosis item	Screen display
CANCOMM	OK	NG	OK
CAN_CRIC_1	OK	UNKWN	OK
CAN_CRIC_2	OK	UNKWN	OK
CAN_CRIC_3	OK	UNKWN	OK
CAN_CRIC_4	OK	UNKWN	OK

SELF-DIAG SYSTEM screen	CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
	Initial diagnosis	Transmit diagnosis	ECM	TCM	METER/M&A	DISP/STRG	BCM/SEC	STRG	HVAC	AIR BAG/ABS			IPDM E/R
ENGINE	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	OK	UNKWN
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	OK	UNKWN
AUTO DRIVE POS.	No "select"	-	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	OK	UNKWN
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	OK	UNKWN
BCM	No "select"	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	OK	UNKWN
HVAC	No "select"	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	OK	UNKWN
ABS	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	OK	UNKWN
IPDM E/R	No "select"	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	OK	UNKWN

Symptoms:

Attach copy of SELF-DIAG SYSTEM

Attach copy of SELF-DIAG SYSTEM

Display control unit function sheet. Rewrite the following names, and put a check mark on the above check sheet table.			
Confirmation/Adjustment Display	Check sheet table Display	Confirmation/Adjustment Display	Check sheet table Display
CAN COMM	Initial diagnosis	CAN CRIC 5	METER/M&A
CAN CRIC 1	Transmit diagnosis	CAN CRIC 6	-
CAN CRIC 2	UDM	CAN CRIC 7	IPDM L/R
CAN CRIC 3	FCM	CAN CRIC 8	-
CAN CRIC 4	HVAC	CAN CRIC 9	-

Attach copy of display control unit CAN DIAG SUPPORT MONITOR check sheet

Copy "SELF-DIAG RESULTS" screen of CONSULT-II.

SELF-DIAG RESULTS	
DTC RESULTS	TIME
NO DTC IS DETECTED. FURTHER TESTING MAY BE REQUIRED.	
ERASE PRINT	
MODE BACK LIGHT COPY	

SELF-DIAG RESULTS	
DTC RESULTS	TIME
CAN COMM CIRCUIT (U1000)	
ERASE PRINT	
MODE BACK LIGHT COPY	

Copy "CAN DIAG SUPPORT MNTR" screen of CONSULT-II.

CAN DIAG SUPPORT MNTR		CAN DIAG SUPPORT MNTR			
ENGINE	PRSN	PAST	ENGINE		
TRANSMIT DIAG	OK	OK	METER/M&A	UNKWN	0
VDC/TGS/ABS	UNKWN	0	BCM/SEC	UNKWN	0
METER/M&A	UNKWN	0	ICC	-	-
BCM/SEC	UNKWN	0	HVAC	-	-
ICC	-	-	TCM	OK	OK
HVAC	-	-	EPS	-	-
TCM	OK	OK	IPDM E/R	UNKWN	0
EPS	-	-	e4WD	-	-
IPDM E/R	UNKWN	0	AWD/4WD	-	-
PRINT		Scroll Up			
MODE		BACK			
LIGHT		COPY			

CAN DIAG SUPPORT MNTR	
ABS	PRSN
INITIAL DIAG	OK
TRANSMIT DIAG	OK
ECM	UNKWN
TCM	UNKWN
METER/M&A	UNKWN
STRG	OK
ICC	UNKWN
AWD/4WD	UNKWN
PRINT	
MODE	
BACK	
LIGHT	
COPY	

CAN DIAG SUPPORT MNTR	
BCM	PRSN
INITIAL DIAG	OK
TRANSMIT DIAG	OK
TCM	UNKWN
METER/M&A	OK
STRG	OK
PRINT	
MODE	
BACK	
LIGHT	
COPY	

HOW TO USE CHECK SHEET TABLE

Use when the initial conditions are reproduced
Use when the initial conditions are not reproduced

CAN DIAG SUPPORT MNTR														
SELECT SYSTEM screen	Initial diagnosis	Transmit diagnosis	Receive diagnosis										SELF-DIAG RESULTS	
			ECM	TCM	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	--	--
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)	--

① Unit names displayed on CONSULT-II

② "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)

③ "--": Column not used (Unit communicating with CONSULT-II excluding CAN communication line)

④ "NG": Display "NG" when malfunction is detected in the initial diagnosis of the diagnosed unit. Replace the unit if "NG" is displayed.

⑤ "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.

⑥ "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.

Unit that performs CAN communication diagnosis

PKIC3656E

1. Unit names displayed on CONSULT-II
2. "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 [LAN-10, "Example of Filling in Check Sheet When Initial Conditions Are Reproduced"](#) .
- When the initial conditions are not reproduced, refer to [LAN-14, "Example of Filling in Check Sheet When Initial Conditions Are Not Reproduced"](#) .

TROUBLE DIAGNOSES WORK FLOW

[CAN]

Example of Filling in Check Sheet When Initial Conditions Are Reproduced

The diagram illustrates the process of filling out a check sheet based on diagnostic screen data. It features three 'CAN DIAG SUPPORT MNTR' screens, a central 'Check sheet table', and two 'SELECT SYSTEM' screens.

Check sheet table:

SELECT SYSTEM screen	CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
	Initial diagnosis	Transmit diagnosis	Receive diagnosis										
	ECM	TCM	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	-	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	-	-	-
BCM	No indication	-	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)	-

- 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.

- 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.

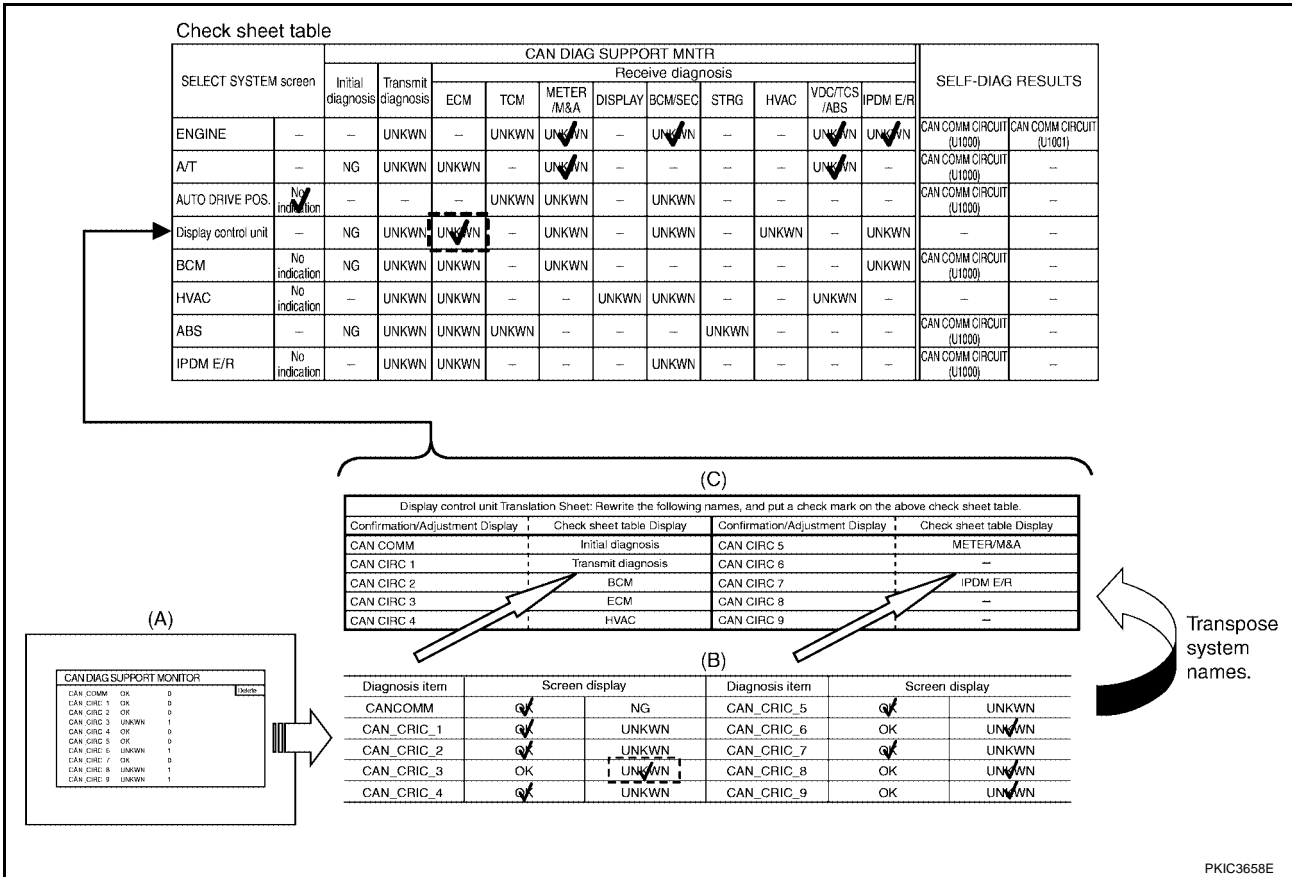
- Confirm the unit name that "UNKWN" is displayed on the copy of "CAN DIAG SUPPORT MNTR" screen of "A/T" as well as "ENGINE". And then, put a check mark to the check sheet table.

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.

TROUBLE DIAGNOSES WORK FLOW

[CAN]



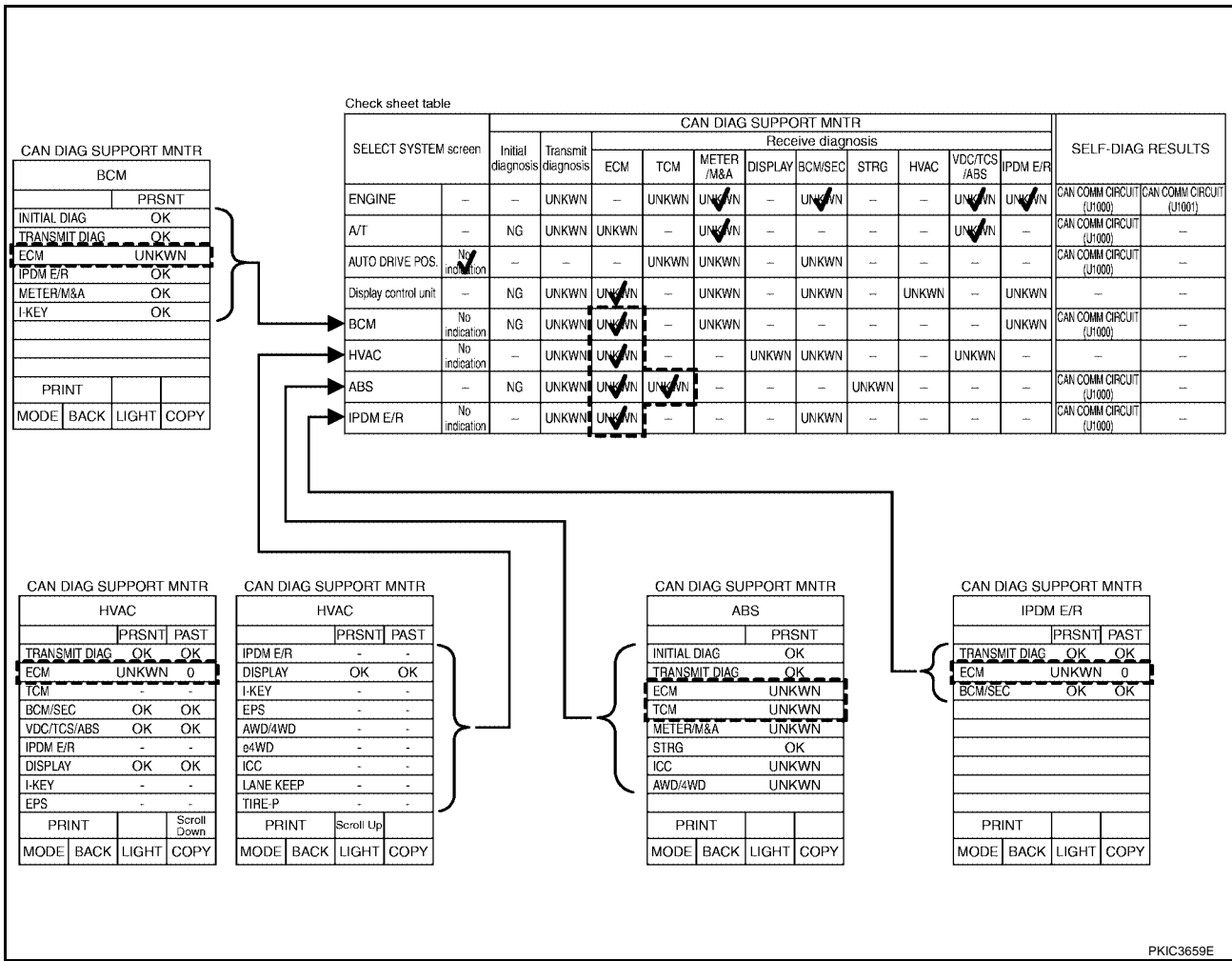
- Display control unit reads the CAN diagnosis support monitor check sheet (B) [AV-145, "CAN Communication Line Check"](#) transferred from the display screen (A). The transferred CAN diagnosis support monitor check sheet is copied to the Check sheet, and conversed according to the Display control unit 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.

TROUBLE DIAGNOSES WORK FLOW

[CAN]



- 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.

TROUBLE DIAGNOSES WORK FLOW

[CAN]

The arranged results of CAN diagnosis support monitor

Check sheet table

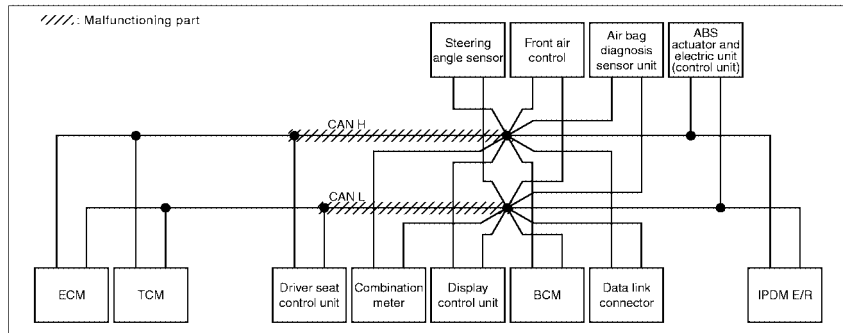
SELECT SYSTEM screen	CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
	Initial diagnosis	Transmit diagnosis	Receive diagnosis											
			ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT [U1000]	CAN COMM 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	-	-
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]	-

Choose similar indications between the results of CAN diagnosis support monitor and the results of the check sheet. Malfunctioning parts are found.

Case 2
Check harness between driver seat control unit and data link connector.

Check sheet results (example)

SELECT SYSTEM screen	CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
	Initial diagnosis	Transmit diagnosis	Receive diagnosis											
			ECM	TCM	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	-	-
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]	-



PKIC360E

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.

6. Perform system diagnosis for possible causes identified.
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"](#).

TROUBLE DIAGNOSES WORK FLOW

[CAN]

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

Check sheet table

SELECT SYSTEM screen	Initial diagnosis	Transmit diagnosis	CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
			Receive diagnosis											
			ECM	TCM	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	-	-
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]	-

SYSTEM ENGINE

SELF-DIAG RESULTS

DTC RESULTS TIME

CAN COMM CIRCUIT [U1001] 11

SYSTEM A/T

SELF-DIAG RESULTS

DTC RESULTS

CAN COMM CIRCUIT [U1000]

SYSTEM AUTO DRIVE POS.

SELF-DIAG RESULTS

DTC RESULTS TIME

CAN COMM CIRCUIT [U1000] 1

SYSTEM BCM

SELF-DIAG RESULTS

DTC RESULTS TIME

NO DTC IS DETECTED. FURTHER TESTING MAY BE REQUIRED.

SYSTEM HVAC

SELF-DIAG RESULTS

DTC RESULTS TIME

NO DTC IS DETECTED. FURTHER TESTING MAY BE REQUIRED.

SYSTEM ABS

SELF-DIAG RESULTS

DTC RESULTS TIME

CAN COMM CIRCUIT [U1000] 1

SYSTEM IPDM E/R

SELF-DIAG RESULTS

DTC RESULTS TIME

CAN COMM CIRCUIT [U1000] PAST

PKIC3661E

- 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.

TROUBLE DIAGNOSES WORK FLOW

[CAN]

The arranged results of self-diagnosis

Check sheet table

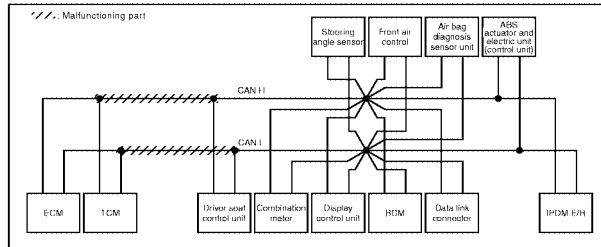
SELECT SYSTEM screen	Initial diagnosis	Transmit diagnosis	CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
			Receive diagnosis												
			ECM	TCM	METER M/A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/CS/ABS	IPDM E/R				
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
A/T	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
Display control unit	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
BCM	No indication	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
HVAC	No indication	-	UNKWN	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]

When the arranged results of self-diagnosis and check sheet results (example) are corresponding, possible causes can be selected.

Case 1

Check harness between TCM and driver seat control unit.

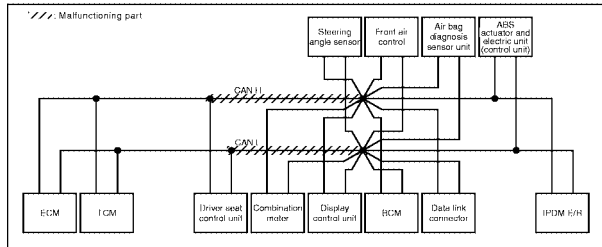
SELECT SYSTEM screen	Initial diagnosis	Transmit diagnosis	CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
			Receive diagnosis												
			ECM	TCM	METER M/A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/CS/ABS	IPDM E/R				
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
A/T	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
Display control unit	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
BCM	No indication	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
HVAC	No indication	-	UNKWN	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]



Case 2

Check harness between driver seat control unit and data link connector.

SELECT SYSTEM screen	Initial diagnosis	Transmit diagnosis	CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
			Receive diagnosis												
			ECM	TCM	METER M/A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/CS/ABS	IPDM E/R				
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
A/T	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
Display control unit	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
BCM	No indication	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
HVAC	No indication	-	UNKWN	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRC. [U1000]	CAN COMM CIRC. [U1000]



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 CIRC. [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.

TROUBLE DIAGNOSES WORK FLOW

[CAN]

UKS004M7

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

(Example)	CAN DIAG SUPPORT MNTR <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th colspan="3">ENGINE</th></tr> <tr><td></td><th>PRSNT</th><th>PAST</th></tr> <tr><td>TRANSMIT DIAG</td><td>OK</td><td>OK</td></tr> <tr><td>VDC/TCS/ABS</td><td>OK</td><td>OK</td></tr> <tr><td>METER/M&A</td><td>OK</td><td>OK</td></tr> <tr><td>BCM/SEC</td><td>OK</td><td>OK</td></tr> <tr><td>ICC</td><td>-</td><td>-</td></tr> <tr><td>HVAC</td><td>-</td><td>-</td></tr> <tr><td>TCM</td><td>OK</td><td>OK</td></tr> <tr><td>EPS</td><td>-</td><td>-</td></tr> <tr><td>IPDM E/R</td><td>OK</td><td>OK</td></tr> <tr><td>PRINT</td><td></td><td>Scroll Down</td></tr> <tr><td>MODE</td><td>BACK</td><td>LIGHT COPY</td></tr> </table>	ENGINE				PRSNT	PAST	TRANSMIT DIAG	OK	OK	VDC/TCS/ABS	OK	OK	METER/M&A	OK	OK	BCM/SEC	OK	OK	ICC	-	-	HVAC	-	-	TCM	OK	OK	EPS	-	-	IPDM E/R	OK	OK	PRINT		Scroll Down	MODE	BACK	LIGHT COPY	CAN DIAG SUPPORT MNTR <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th colspan="3">ENGINE</th></tr> <tr><td></td><th>PRSNT</th><th>PAST</th></tr> <tr><td>METER/M&A</td><td>OK</td><td>OK</td></tr> <tr><td>BCM/SEC</td><td>OK</td><td>OK</td></tr> <tr><td>ICC</td><td>-</td><td>-</td></tr> <tr><td>HVAC</td><td>-</td><td>-</td></tr> <tr><td>TCM</td><td>OK</td><td>OK</td></tr> <tr><td>EPS</td><td>-</td><td>-</td></tr> <tr><td>IPDM E/R</td><td>OK</td><td>OK</td></tr> <tr><td>e4WD</td><td>-</td><td>-</td></tr> <tr><td>AWD/4WD</td><td>OK</td><td>OK</td></tr> <tr><td>PRINT</td><td></td><td>Scroll Up</td></tr> <tr><td>MODE</td><td>BACK</td><td>LIGHT COPY</td></tr> </table>	ENGINE				PRSNT	PAST	METER/M&A	OK	OK	BCM/SEC	OK	OK	ICC	-	-	HVAC	-	-	TCM	OK	OK	EPS	-	-	IPDM E/R	OK	OK	e4WD	-	-	AWD/4WD	OK	OK	PRINT		Scroll Up	MODE	BACK	LIGHT COPY
ENGINE																																																																																
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e4WD	-	-																																																																														
AWD/4WD	OK	OK																																																																														
PRINT		Scroll Up																																																																														
MODE	BACK	LIGHT COPY																																																																														

PKIC3562E

"SELECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description	Present	Past
ENGINE	TRANSMIT DIAG	Make sure of normal transmission.	OK/UNKWN/-	OK/0/1~39/-
	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 combination meter.	OK/UNKWN/-	
	BCM/SEC	Make sure of normal reception from BCM.	OK/UNKWN/-	
	ICC	ICC is not diagnosed.	-	
	HVAC	HVAC is not diagnosed.	-	
	TCM	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

TROUBLE DIAGNOSES WORK FLOW

[CAN]

DESCRIPTION OF “CAN DIAG SUPPORT MNTR” SCREEN FOR TCM

(Example) CAN DIAG SUPPORT MNTR

A/T		PRSNT	
INITIAL DIAG		OK	
TRANSMIT DIAG		OK	
ECM		OK	
VDC/TCS/ABS		OK	
METER/M&A		OK	
ICC/e4WD		UNKWN	
AWD/4WD		OK	
PRINT			
MODE	BACK	LIGHT	COPY

SKIB2335E

“SELECT SYSTEM” screen	“CAN DIAG SUPPORT MNTR” screen	Description	Present
A/T	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).	OK/UNKWN
	METER/M&A	Make sure of normal reception from combination meter.	OK/UNKWN
	ICC/e4WD	ICC/e4WD 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.

DESCRIPTION OF “CAN DIAG SUPPORT MNTR” SCREEN FOR DIFFERENTIAL LOCK CONTROL UNIT

(Example) CAN DIAG SUPPORT MNTR

DIFF LOCK		PRSNT	
INITIAL DIAG		OK	
TRANSMIT DIAG		OK	
ECM		OK	
VDC/TCS/ABS		OK	
AWD/4WD		OK	
PRINT			
MODE	BACK	LIGHT	COPY

PKIB7196E

“SELECT SYSTEM” screen	“CAN DIAG SUPPORT MNTR” screen	Description	Present
DIFF LOCK	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).	OK/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.

TROUBLE DIAGNOSES WORK FLOW

[CAN]

DESCRIPTION OF “CAN DIAG SUPPORT MNTR” SCREEN FOR DRIVER SEAT CONTROL UNIT

(Example)

CAN DIAG SUPPORT MNTR			
AUTO DRIVE POS.			
	PRSNLT	PAST	
TRANSMIT DIAG	-	-	
METER/M&A	OK	OK	
BCM/SEC	OK	OK	
TCM	OK	OK	
PRINT			
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/-	
	TCM	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

TROUBLE DIAGNOSES WORK FLOW

[CAN]

DESCRIPTION OF “CAN DIAG SUPPORT MNTR” SCREEN FOR BCM

(Example)

CAN DIAG SUPPORT MNTR			
BCM			
		PRSNT	
INITIAL DIAG		OK	
TRANSMIT DIAG		OK	
ECM		OK	
IPDM E/R		OK	
METER/M&A		OK	
I-KEY		OK	
PRINT			
MODE	BACK	LIGHT	COPY

SKIB1625E

“SELECT SYSTEM” screen	“CAN DIAG SUPPORT MNTR” screen	Description	Present
BCM	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
	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.

A
B
C
D
E
F
G
H
I
J
L
M

LAN

TROUBLE DIAGNOSES WORK FLOW

[CAN]

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

(Example)	CAN DIAG SUPPORT MNTR	CAN DIAG SUPPORT MNTR																																																																													
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td colspan="3" style="text-align: center;">HVAC</td></tr> <tr><td></td><td style="text-align: center;">PRSNT</td><td style="text-align: center;">PAST</td></tr> <tr><td>TRANSMIT DIAG</td><td style="text-align: center;">OK</td><td style="text-align: center;">OK</td></tr> <tr><td>ECM</td><td style="text-align: center;">OK</td><td style="text-align: center;">OK</td></tr> <tr><td>TCM</td><td style="text-align: center;">-</td><td style="text-align: center;">-</td></tr> <tr><td>BCM/SEC</td><td style="text-align: center;">OK</td><td style="text-align: center;">OK</td></tr> <tr><td>VDC/TCS/ABS</td><td style="text-align: center;">OK</td><td style="text-align: center;">OK</td></tr> <tr><td>IPDM E/R</td><td style="text-align: center;">OK</td><td style="text-align: center;">OK</td></tr> <tr><td>DISPLAY</td><td style="text-align: center;">OK</td><td style="text-align: center;">OK</td></tr> <tr><td>I-KEY</td><td style="text-align: center;">-</td><td style="text-align: center;">-</td></tr> <tr><td>EPS</td><td style="text-align: center;">-</td><td style="text-align: center;">-</td></tr> <tr><td></td><td style="text-align: center;">PRINT</td><td style="text-align: center;">Scroll Down</td></tr> <tr><td>MODE</td><td style="text-align: center;">BACK</td><td style="text-align: center;">LIGHT COPY</td></tr> </table>	HVAC				PRSNT	PAST	TRANSMIT DIAG	OK	OK	ECM	OK	OK	TCM	-	-	BCM/SEC	OK	OK	VDC/TCS/ABS	OK	OK	IPDM E/R	OK	OK	DISPLAY	OK	OK	I-KEY	-	-	EPS	-	-		PRINT	Scroll Down	MODE	BACK	LIGHT COPY	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td colspan="3" style="text-align: center;">HVAC</td></tr> <tr><td></td><td style="text-align: center;">PRSNT</td><td style="text-align: center;">PAST</td></tr> <tr><td>IPDM E/R</td><td style="text-align: center;">OK</td><td style="text-align: center;">OK</td></tr> <tr><td>DISPLAY</td><td style="text-align: center;">OK</td><td style="text-align: center;">OK</td></tr> <tr><td>I-KEY</td><td style="text-align: center;">-</td><td style="text-align: center;">-</td></tr> <tr><td>EPS</td><td style="text-align: center;">-</td><td style="text-align: center;">-</td></tr> <tr><td>AWD/4WD</td><td style="text-align: center;">-</td><td style="text-align: center;">-</td></tr> <tr><td>e4WD</td><td style="text-align: center;">-</td><td style="text-align: center;">-</td></tr> <tr><td>ICC</td><td style="text-align: center;">-</td><td style="text-align: center;">-</td></tr> <tr><td>LANE KEEP</td><td style="text-align: center;">-</td><td style="text-align: center;">-</td></tr> <tr><td>TIRE-P</td><td style="text-align: center;">-</td><td style="text-align: center;">-</td></tr> <tr><td></td><td style="text-align: center;">PRINT</td><td style="text-align: center;">Scroll Up</td></tr> <tr><td>MODE</td><td style="text-align: center;">BACK</td><td style="text-align: center;">LIGHT COPY</td></tr> </table>	HVAC				PRSNT	PAST	IPDM E/R	OK	OK	DISPLAY	OK	OK	I-KEY	-	-	EPS	-	-	AWD/4WD	-	-	e4WD	-	-	ICC	-	-	LANE KEEP	-	-	TIRE-P	-	-		PRINT	Scroll Up	MODE	BACK
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PKIC3564E

"SELECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description	Present	Past
HVAC	TRANSMIT DIAG	Make sure of normal transmission.	OK/UNKWN/-	OK/0/1~39/-
	ECM	Make sure of normal reception from ECM.	OK/UNKWN/-	
	TCM	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 actuator and electric unit (control unit).	OK/UNKWN/-	
	IPDM E/R	IPDM E/R is not diagnosed.(Auto A/C models)	-	
		Make sure of normal reception from IPDM E/R.(Manual A/C models)	OK/UNKWN/-	
	DISPLAY	Make sure of normal reception from display control unit.	OK/UNKWN/-	
	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

TROUBLE DIAGNOSES WORK FLOW

[CAN]

DESCRIPTION OF “CAN DIAG SUPPORT MNTR” SCREEN FOR TRANSFER CONTROL UNIT

(Example) CAN DIAG SUPPORT MNTR

ALL MODE AWD/4WD			
			PRSN
INITIAL DIAG	OK		
TRANSMIT DIAG	OK		
ECM	OK		
VDC/TCS/ABS	OK		
TCM	OK		
METER/M&A	OK		
PRINT			
MODE	BACK	LIGHT	COPY

PKIC3563E

“SELECT SYSTEM” screen	“CAN DIAG SUPPORT MNTR” screen	Description	Present
ALL MODE AWD/ 4WD	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).	OK/UNKWN
	TCM	Make sure of normal reception from TCM.	OK/UNKWN
	METER/M&A	Make sure of normal reception from combination meter.	OK/UNKWN

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 ELECTRIC UNIT (CONTROL UNIT)

ABS models

(Example) CAN DIAG SUPPORT MNTR

ABS			
			PRSN
INITIAL DIAG	OK		
TRANSMIT DIAG	OK		
ECM	OK		
PRINT			
MODE	BACK	LIGHT	COPY

PKIA8949E

“SELECT SYSTEM” screen	“CAN DIAG SUPPORT MNTR” screen	Description	Present
ABS	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

Display Results (Present)

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

TROUBLE DIAGNOSES WORK FLOW

[CAN]

DESCRIPTION OF “CAN DIAG SUPPORT MNTR” SCREEN FOR DISPLAY CONTROL UNIT

(Example)

CAN DIAG SUPPORT MONITOR			
CAN_COMM	OK	0	<input type="button" value="Delete"/>
CAN_CIRC_1	OK	0	
CAN_CIRC_2	OK	0	
CAN_CIRC_3	OK	0	
CAN_CIRC_4	UNKWN	1	
CAN_CIRC_5	UNKWN	1	
CAN_CIRC_6	UNKWN	1	
CAN_CIRC_7	OK	0	
CAN_CIRC_8	OK	0	
CAN_CIRC_9	OK	0	

SKIB0645E

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	0/1~50
	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	
	CAN CIRC 5	Make sure of normal reception from combination meter.	OK/UNKWN	
	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)

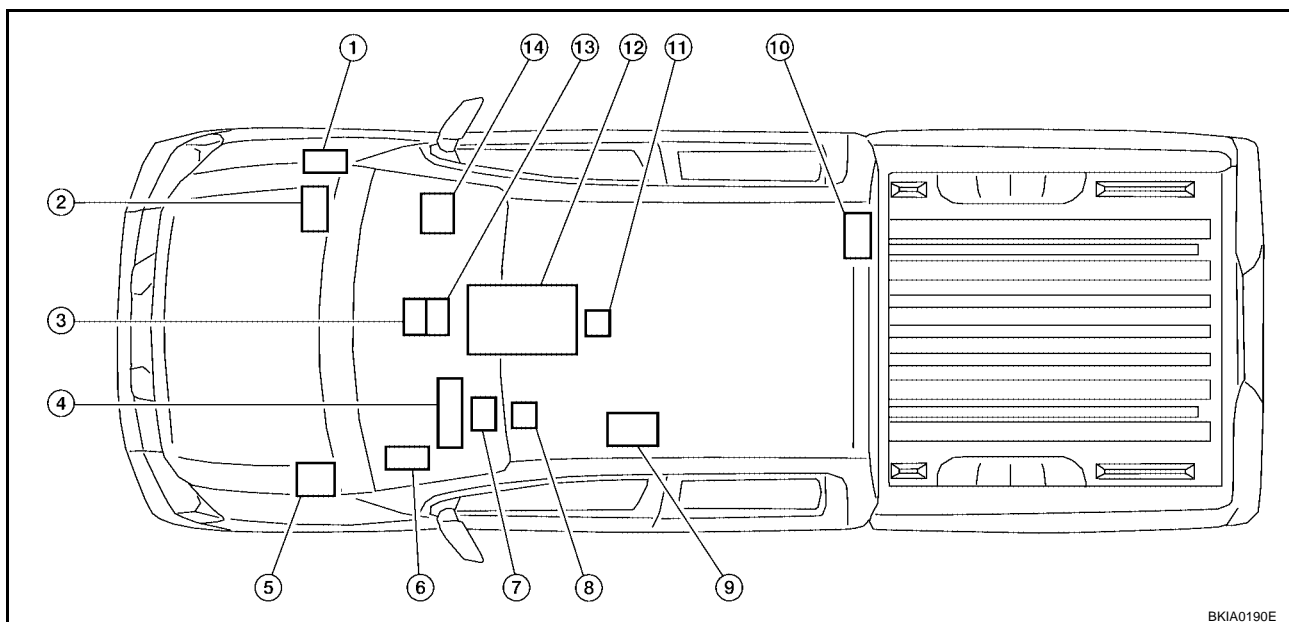
- 0 : It is normal now.
- 1 ~ 50 : Displays when it finds malfunction in the past even if it is normal or there is a malfunction at present. Also, displays when diagnosis is not performed. It increase like 0→1→2...49→50 after returning to the normal condition whenever IGN OFF→ON. If it is over 50, it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



- | | | |
|--|---|--|
| 1. ECM E16 | 2. IPDM E/R E122 | 3. Display control unit M95 (with NAVI) |
| 4. Combination meter M24 | 5. ABS actuator and electric unit (control unit) E125 | 6. BCM M18 |
| 7. Data link connector M22 | 8. Steering angle sensor M47 (with VDC) | 9. Driver seat control unit P2 (with automatic drive positioner) |
| 10. Differential lock control unit B77 (with electronic locking rear differential) | 11. Air bag diagnosis sensor unit M35 | 12. A/T assembly F9 |
| 13. Front air control M50 | 14. Transfer control unit E142 (with 4-wheel drive) | |

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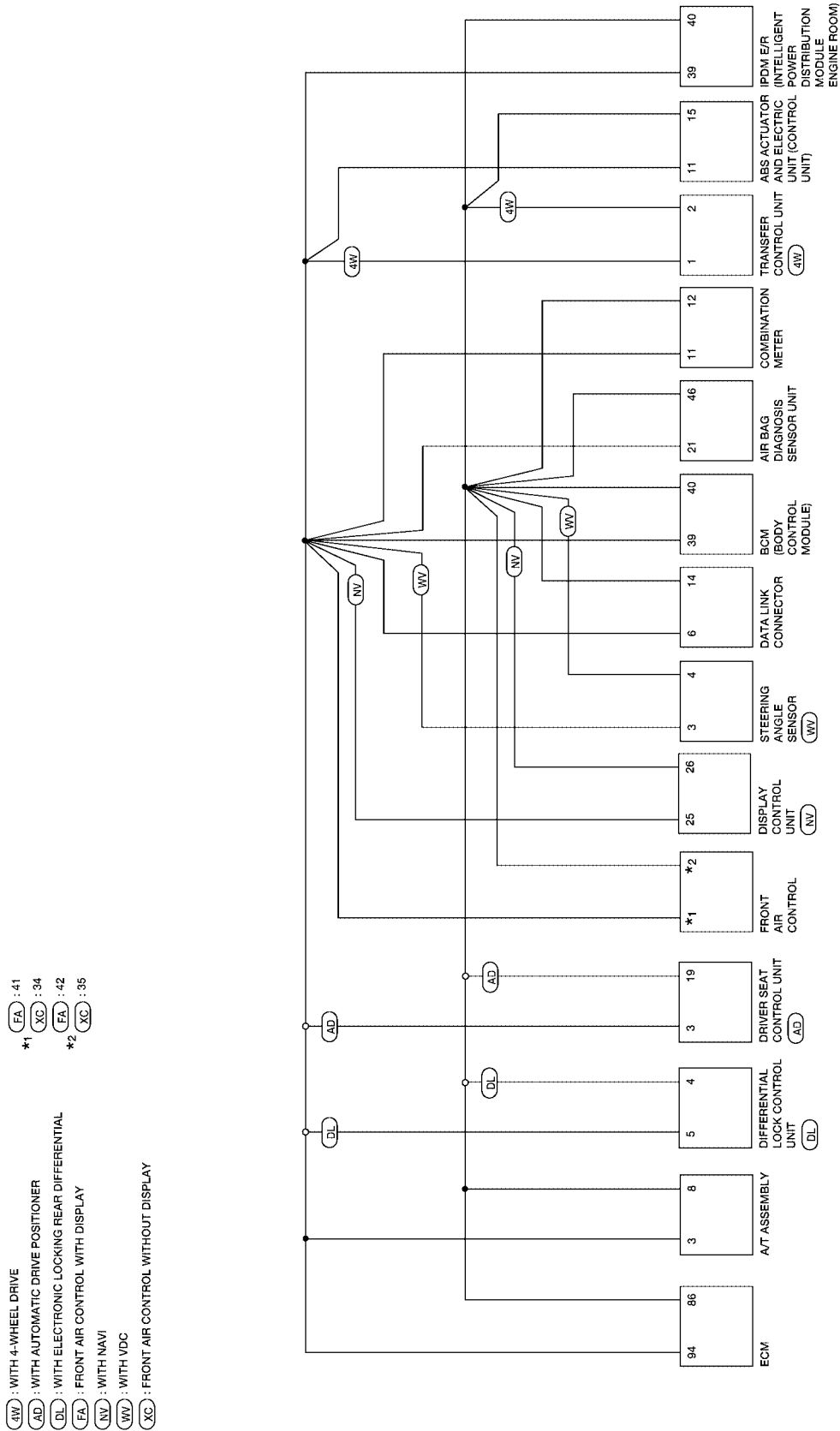
LAN

CAN COMMUNICATION

[CAN]

Schematic

UKS004M9



BKWA0650E

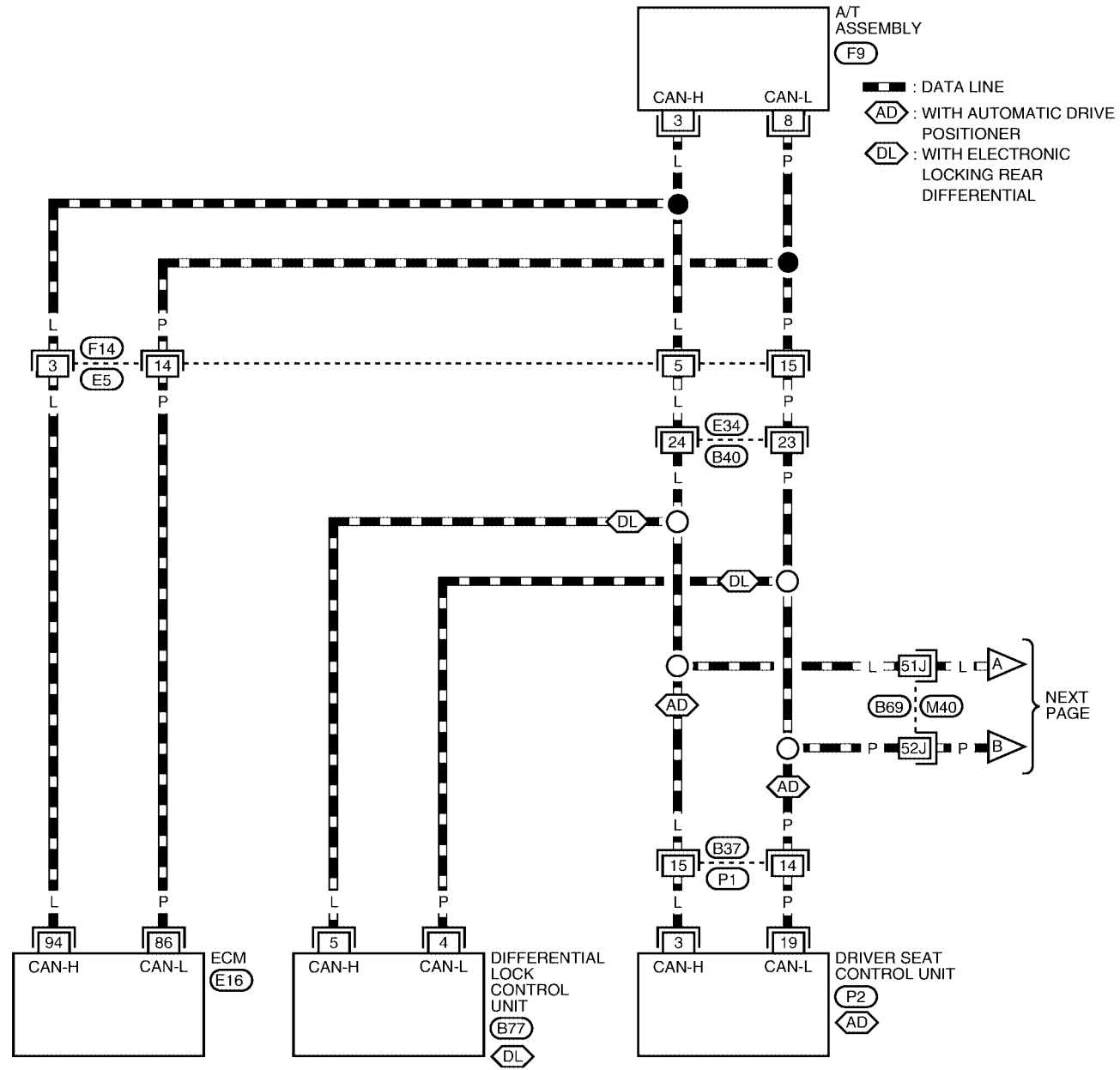
CAN COMMUNICATION

[CAN]

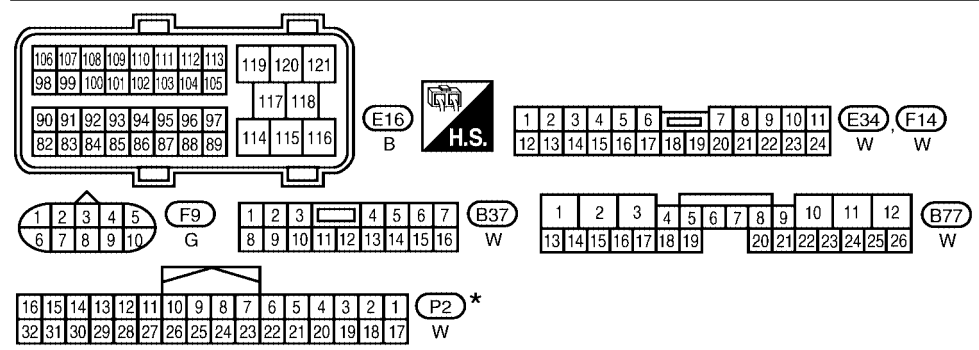
Wiring Diagram — CAN —

UKS004MA

LAN-CAN-01



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REFER TO THE FOLLOWING.
 (M40) - SUPER MULTIPLE JUNCTION (SMJ)

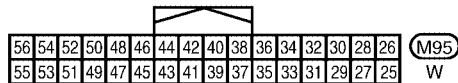
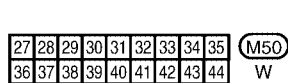
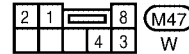
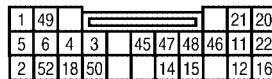
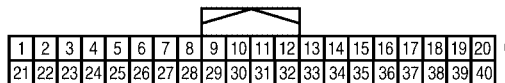
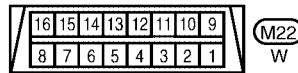
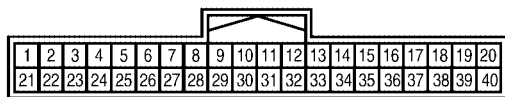
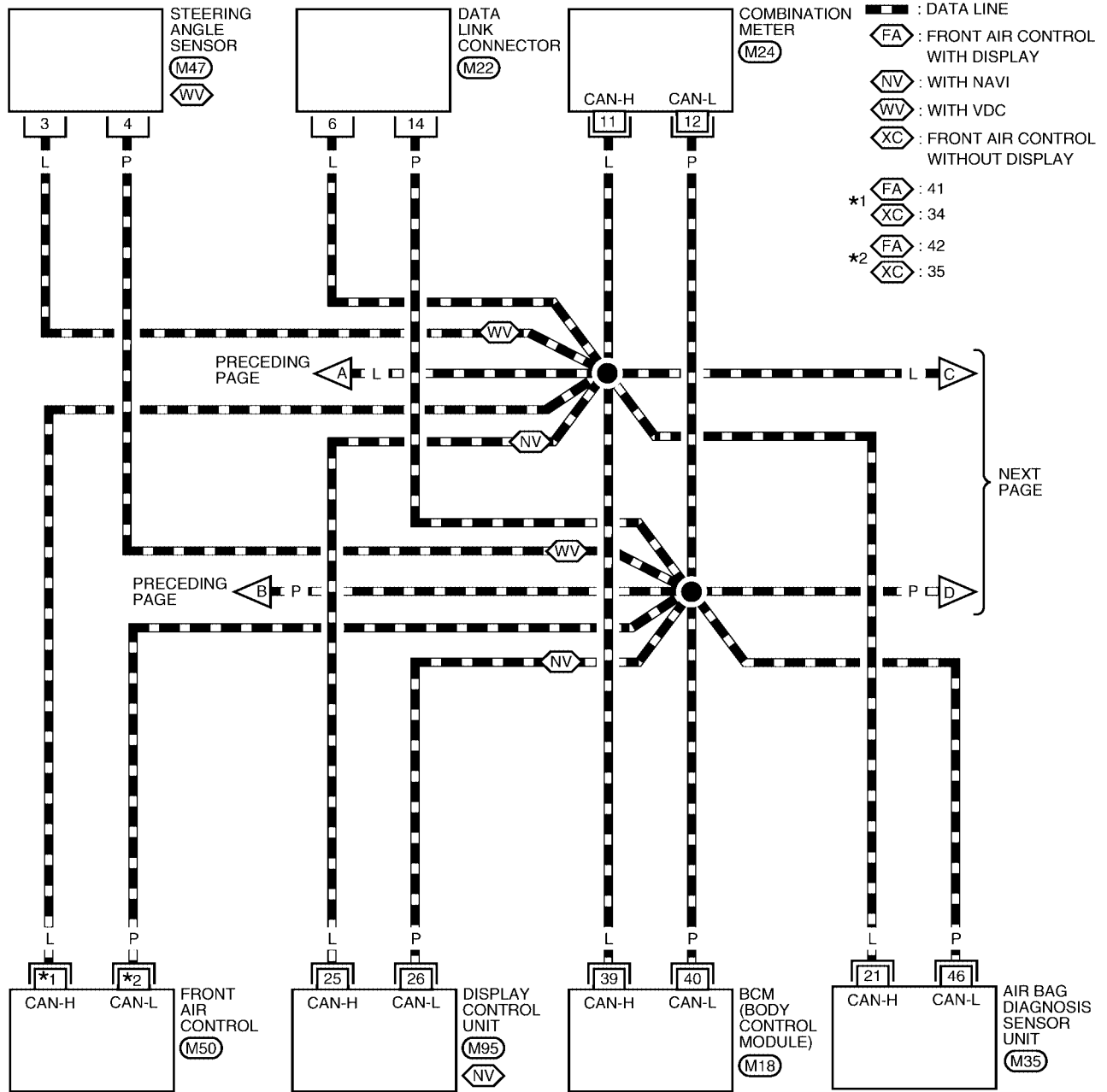
* : THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

BKWA0651E

CAN COMMUNICATION

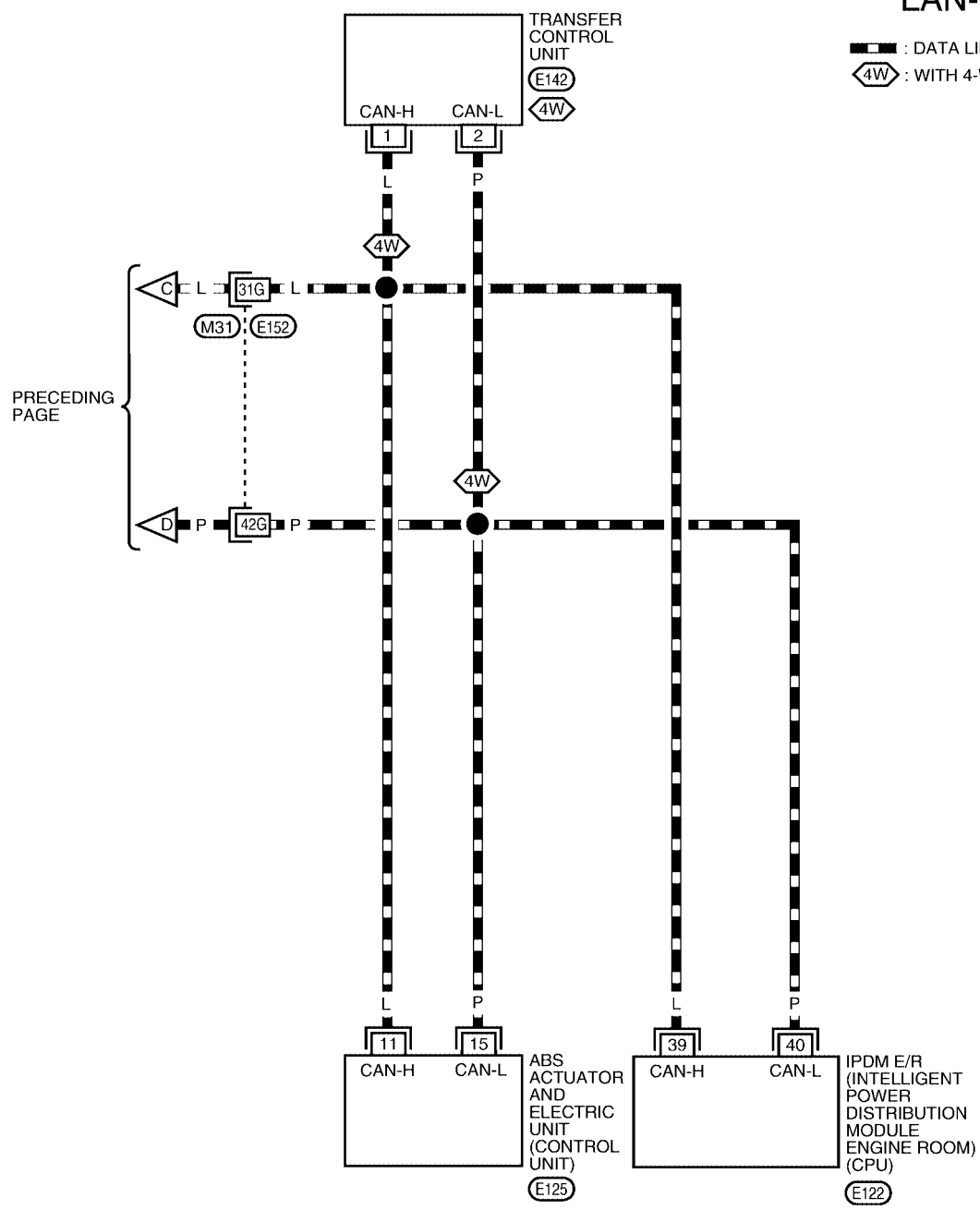
[CAN]

LAN-CAN-02

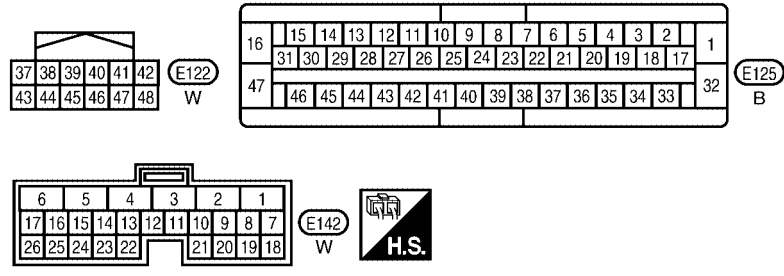


BKWA0652E

LAN-CAN-03



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REFER TO THE FOLLOWING.
 M31 - SUPER MULTIPLE JUNCTION (SMJ)

BKWA0653E

CAN Communication Unit

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

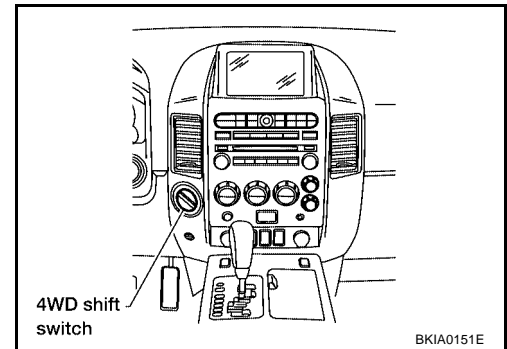
Body type	Truck																
Axle	2WD							4WD									
Engine	VK56DE																
Transmission	A/T																
Brake control	ABS	ABLS				VDC			ABLS					VDC			
Electronic locking rear differential											×	×	×	×			×
Automatic drive positioner			×	×		×	×		×	×		×	×		×	×	×
Navigation system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

×: Applicable

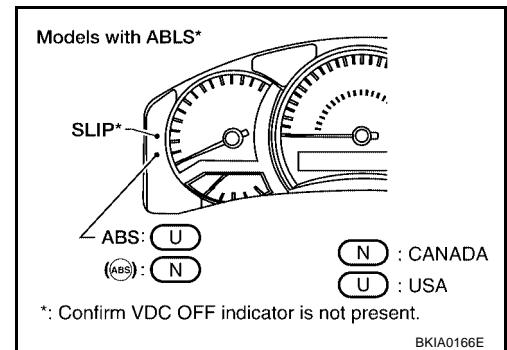
NOTE:

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

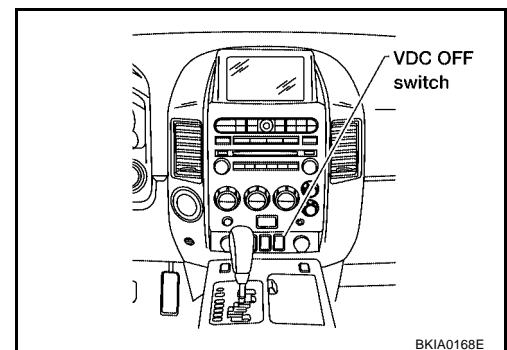
- Models with 4WD



- Models with ABLS



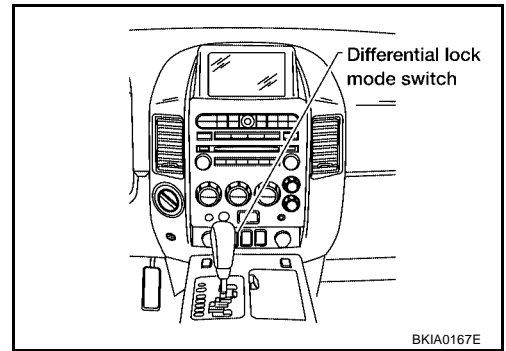
- Models with VDC



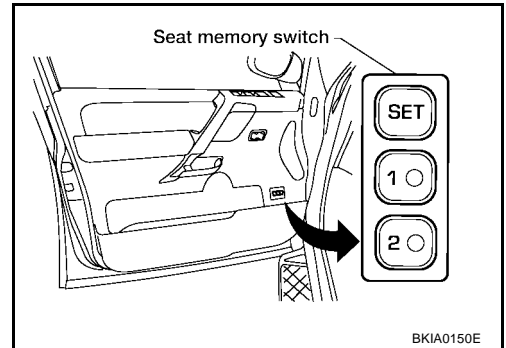
CAN COMMUNICATION

[CAN]

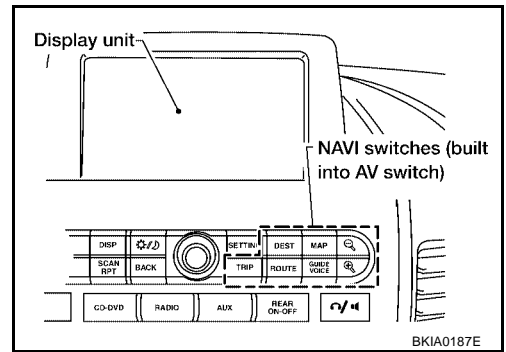
- Models with electronic locking rear differential



- Models with automatic drive positioner



- Models with navigation system



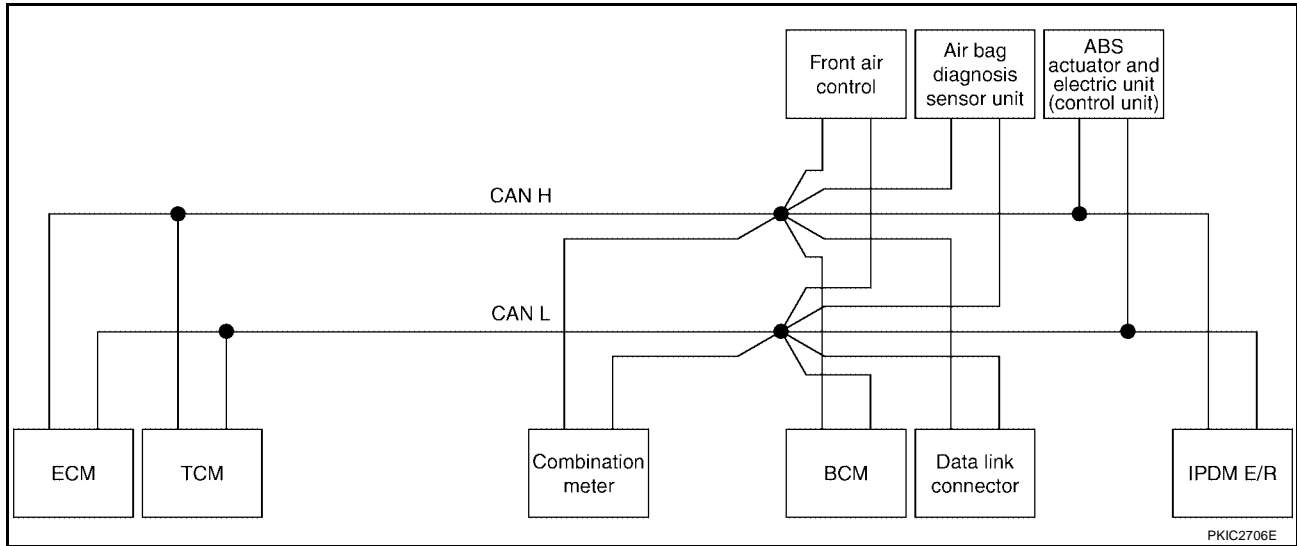
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TYPE 1

System diagram

- Type 1



Input/output signal chart

T: Transmit R: Receive

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

CAN COMMUNICATION

[CAN]

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

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CAN COMMUNICATION

[CAN]

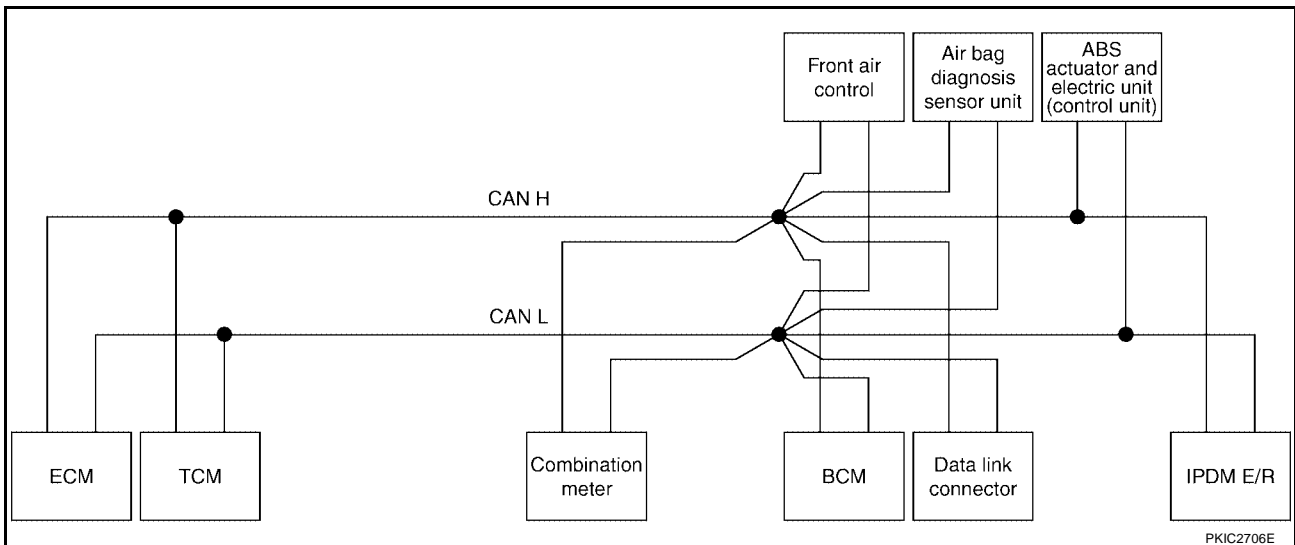
Signals	ECM	TCM	Combination meter	BCM	Front air control	ABS actuator and electric unit (control unit)	IPDM E/R
Theft warning horn request signal				T			R
Tire pressure signal			R	T			
Turn indicator signal			R	T			
ABS warning lamp signal			R			T	
Brake warning lamp signal			R			T	
Front wiper stop position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

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

TYPE 2/TYPE 3/TYPE 4

System diagram

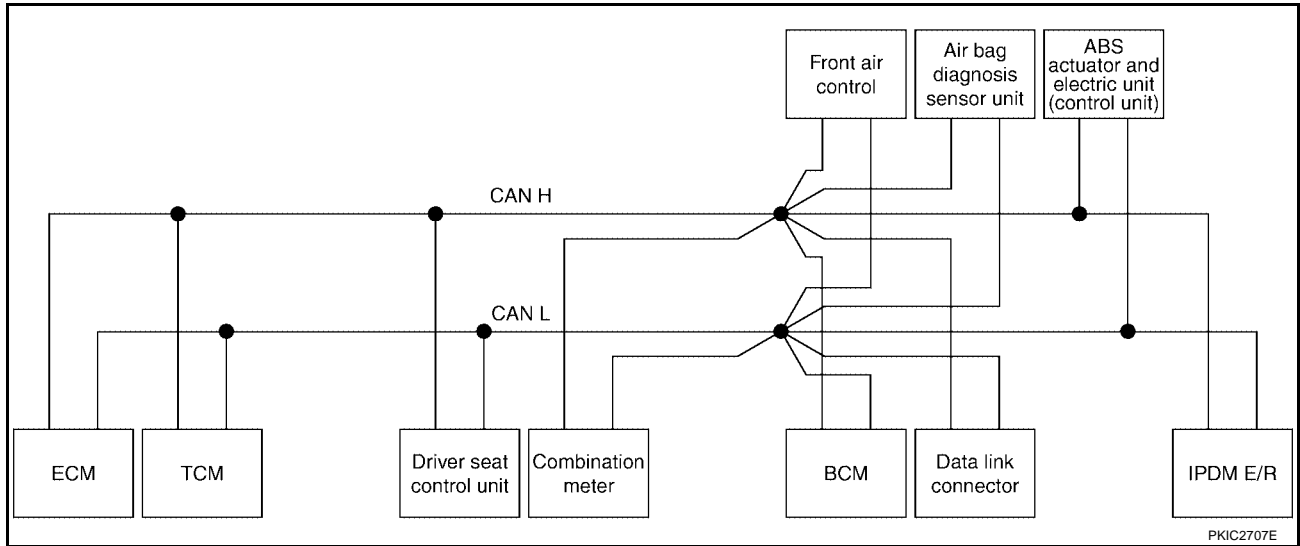
- Type 2



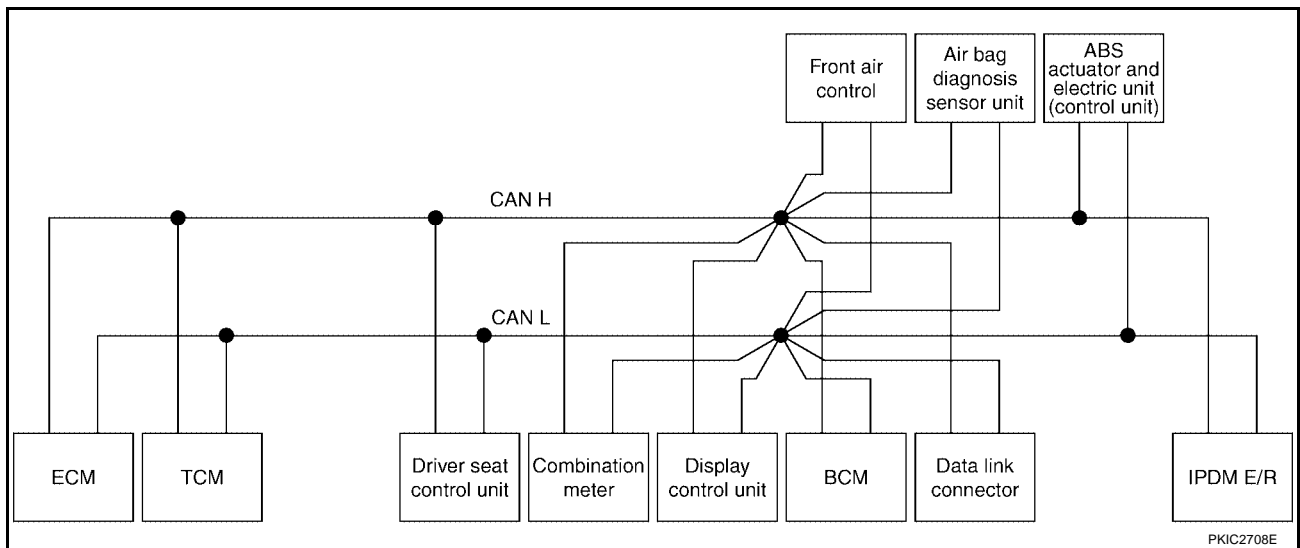
CAN COMMUNICATION

[CAN]

● Type 3



● Type 4



Input/output signal chart

T: Transmit R: Receive

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
A/C compressor request signal	T								R
Accelerator pedal position signal	T	R						R	
ASCD CRUISE lamp signal	T			R					
ASCD OD cancel request signal	T	R							

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CAN COMMUNICATION

[CAN]

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
ASCD operation signal	T	R							
ASCD SET lamp signal	T			R					
Battery voltage signal	T	R							
Closed throttle position signal	T	R							
Cooling fan speed request signal	T								R
Engine coolant temperature signal	T			R			R		
Engine speed signal	T	R		R	R		R	R	
Engine status signal	T					R			
Fuel consumption monitor signal	T			R					
				T	R				
Malfunction indicator lamp signal	T			R					
Wide open throttle position signal	T	R							
A/T CHECK indicator lamp signal		T		R					
A/T fluid temperature sensor signal		T		R					
A/T position indicator lamp signal		T		R					
A/T self-diagnosis signal	R	T							
Output shaft revolution signal	R	T							
P range signal		T	R					R	
Turbine revolution signal	R	T							
System setting signal			T		R				
			R		T				
1st position switch signal ^{*1}		R		T					
4th position switch signal ^{*1}		R		T					
Distance to empty signal				T	R				
Fuel level low warning signal				T	R				
Fuel level sensor signal	R			T					
Manual mode shift down signal ^{*2}		R		T					
Manual mode shift up signal ^{*2}		R		T					
Manual mode switch signal ^{*2}		R		T					
Not manual mode switch signal ^{*2}		R		T					
Seat belt buckle switch signal				T		R			
Stop lamp switch signal		R		T		R			
Tow mode switch signal		R		T					

CAN COMMUNICATION

[CAN]

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
Vehicle speed signal				R			R	T	
	R	R	R	T	R	R			
A/C switch/indicator signal ^{*4}					T		R		
					R		T		
A/C switch signal	R					T	R ^{*3}		
Blower fan motor switch signal	R					T			
Buzzer output signal				R		T			
Day time running light request signal						T			R
Door switch signal			R	R	R	T			R
Front fog light request signal						T			R
Front wiper request signal						T			R
High beam request signal				R		T			R
High beam status signal	R								T
Horn chirp signal						T			R
Ignition switch signal			R			T			R
Key fob door unlock signal			R			T			
Key fob ID signal			R			T			
Key switch signal			R			T			
Low beam request signal						T			R
Low beam status signal	R								T
Position light request signal				R		T			R
Rear window defogger request signal						T	R		R
Sleep wake up signal			R	R		T			R
Theft warning horn request signal						T			R
Tire pressure data signal					R	T			
Tire pressure signal				R		T			
Turn indicator signal				R		T			
ABS warning lamp signal				R				T	
Brake warning lamp signal				R				T	
SLIP indicator lamp signal				R				T	
Front wiper stop position signal						R			T
Rear window defogger control signal						R	R ^{*3}		T

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

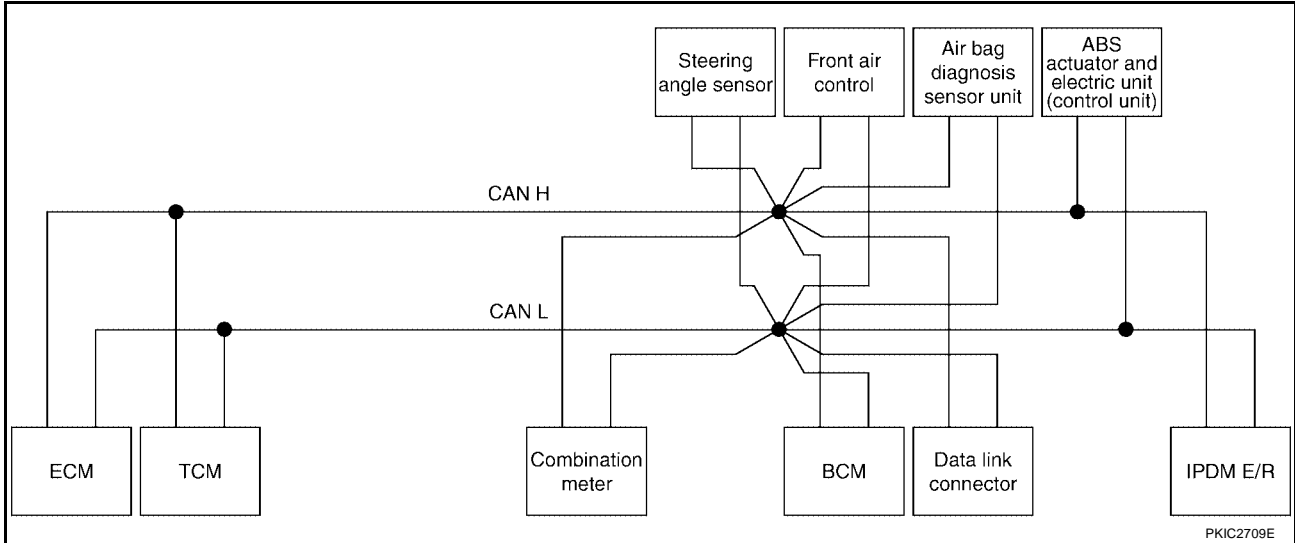
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- *3: with manual air conditioner model only.
- *4: with auto air conditioner model only.
- *5: with automatic drive positioner model only.
- *6: with navigation system model only.

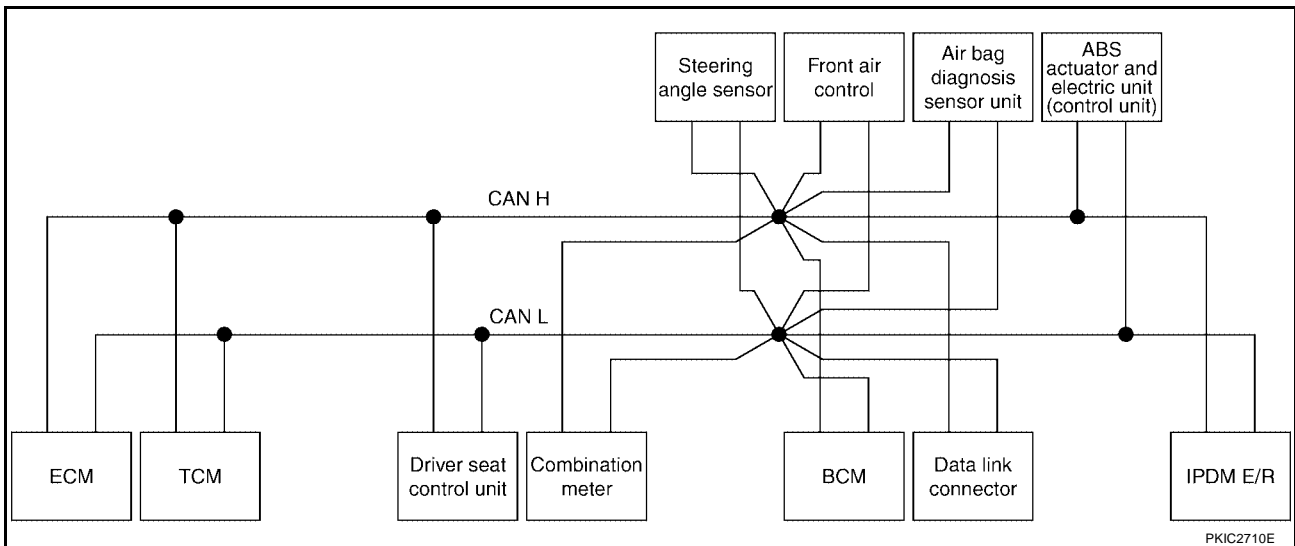
TYPE 5/TYPE 6/TYPE 7

System diagram

- Type 5



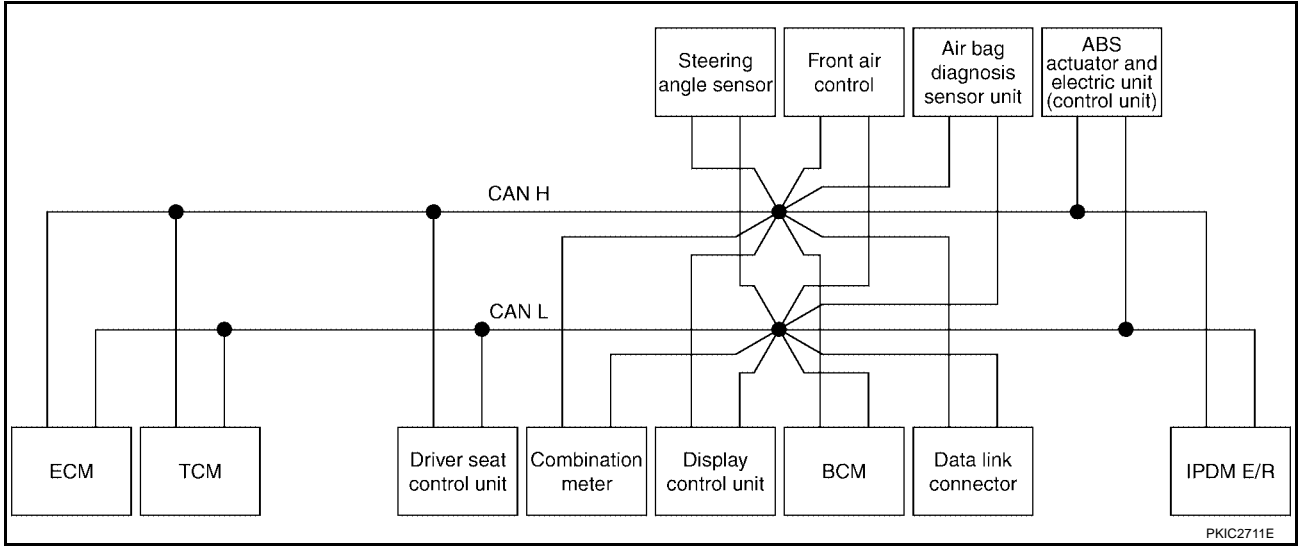
- Type 6



CAN COMMUNICATION

[CAN]

● Type 7



Input/output signal chart

T: Transmit R: Receive

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/C compressor request signal	T									R
Accelerator pedal position signal	T	R							R	
ASCD CRUISE lamp signal	T			R						
ASCD OD cancel request signal	T	R								
ASCD operation signal	T	R								
ASCD SET lamp signal	T			R						
Battery voltage signal	T	R								
Closed throttle position signal	T	R								
Cooling fan speed request signal	T									R
Engine coolant temperature signal	T			R				R		
Engine speed signal	T	R		R	R			R	R	
Engine status signal	T					R				
Fuel consumption monitor signal	T			R						
				T	R					
Malfunction indicator lamp signal	T			R						
Wide open throttle position signal	T	R								
A/T CHECK indicator lamp signal		T		R						
A/T fluid temperature sensor signal		T		R						

CAN COMMUNICATION

[CAN]

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/T position indicator lamp signal		T		R						
A/T self-diagnosis signal	R	T								
Output shaft revolution signal	R	T								
P range signal		T	R						R	
Turbine revolution signal	R	T								
System setting signal			T		R					
			R		T					
1st position switch signal ^{*1}		R		T						
4th position switch signal ^{*1}		R		T						
Distance to empty signal				T	R					
Fuel level low warning signal				T	R					
Fuel level sensor signal	R			T						
Manual mode shift down signal ^{*2}		R		T						
Manual mode shift up signal ^{*2}		R		T						
Manual mode switch signal ^{*2}		R		T						
Not manual mode switch signal ^{*2}		R		T						
Seat belt buckle switch signal				T		R				
Stop lamp switch signal		R		T		R				
Tow mode switch signal		R		T						
Vehicle speed signal				R				R	T	
	R	R	R	T	R	R				
A/C switch/indicator signal ^{*4}					T			R		
					R			T		
A/C switch signal	R					T		R ^{*3}		
Blower fan motor switch signal	R					T				
Buzzer output signal				R		T				
Day time running light request signal						T				R
Door switch signal			R	R	R	T				R
Front fog light request signal						T				R
Front wiper request signal						T				R
High beam request signal				R		T				R
High beam status signal	R									T
Horn chirp signal						T				R

CAN COMMUNICATION

[CAN]

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
Ignition switch signal			R			T				R
Key fob door unlock signal			R			T				
Key fob ID signal			R			T				
Key switch signal			R			T				
Low beam request signal						T				R
Low beam status signal	R									T
Position light request signal				R		T				R
Rear window defogger request signal						T		R		R
Sleep wake up signal			R	R		T				R
Theft warning horn request signal						T				R
Tire pressure data signal					R	T				
Tire pressure signal				R		T				
Turn indicator signal				R		T				
Steering angle sensor signal							T		R	
ABS warning lamp signal				R					T	
Brake warning lamp signal				R					T	
SLIP indicator lamp signal				R					T	
VDC OFF indicator lamp signal				R					T	
Front wiper stop position signal						R				T
Rear window defogger control signal						R		R*3		T

- *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.

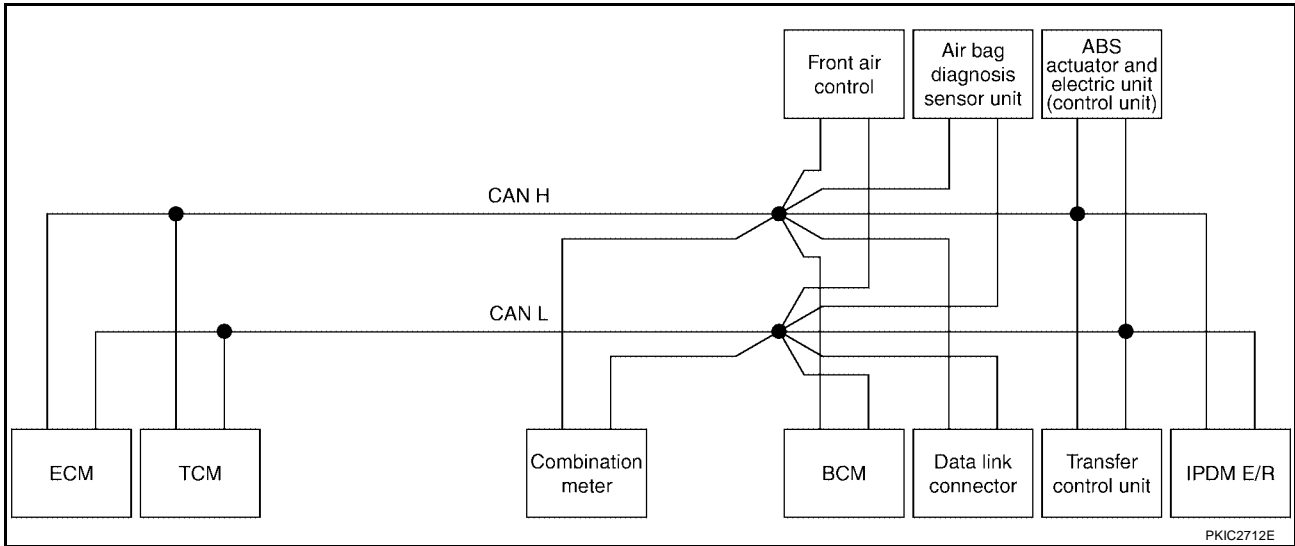
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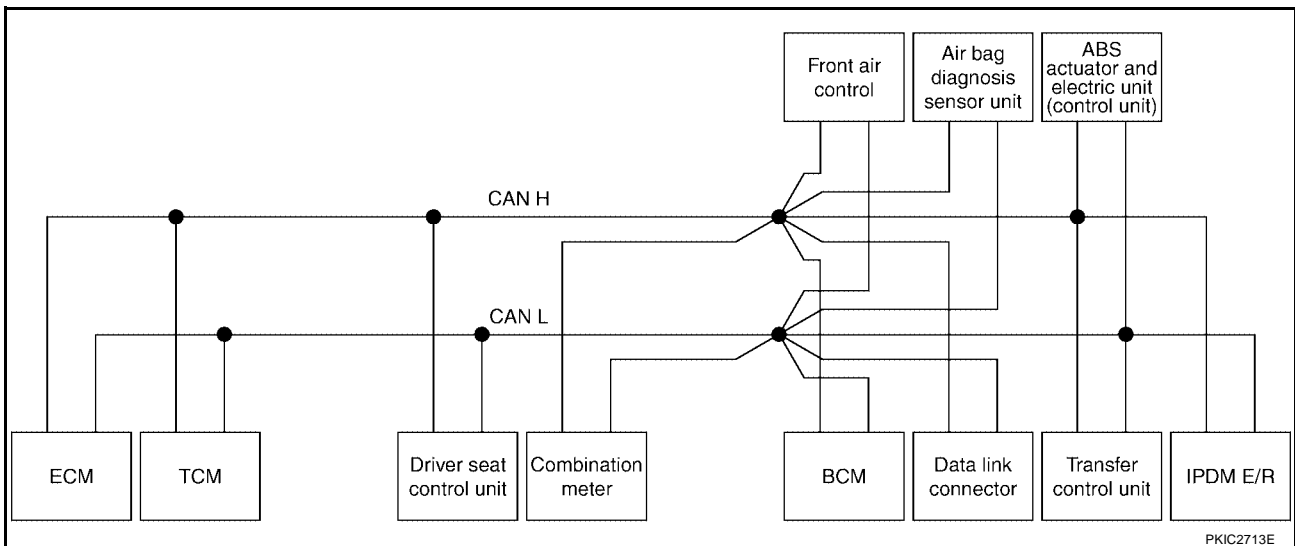
TYPE 8/TYPE 9/TYPE 10/TYPE 11/TYPE 12/TYPE 13

System diagram

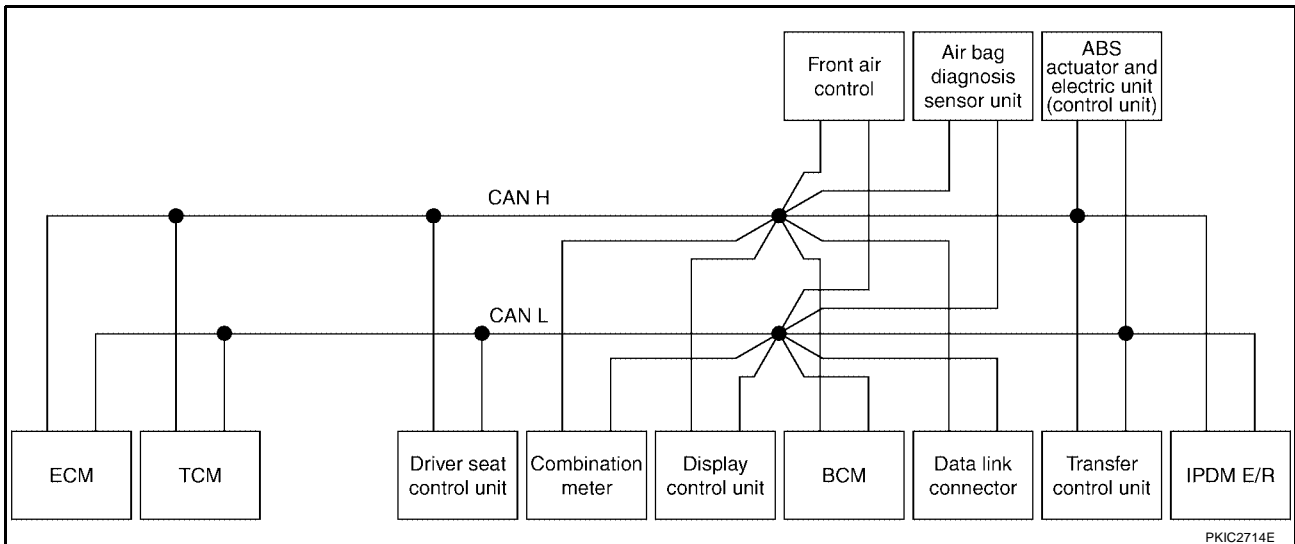
- Type 8



- Type 9



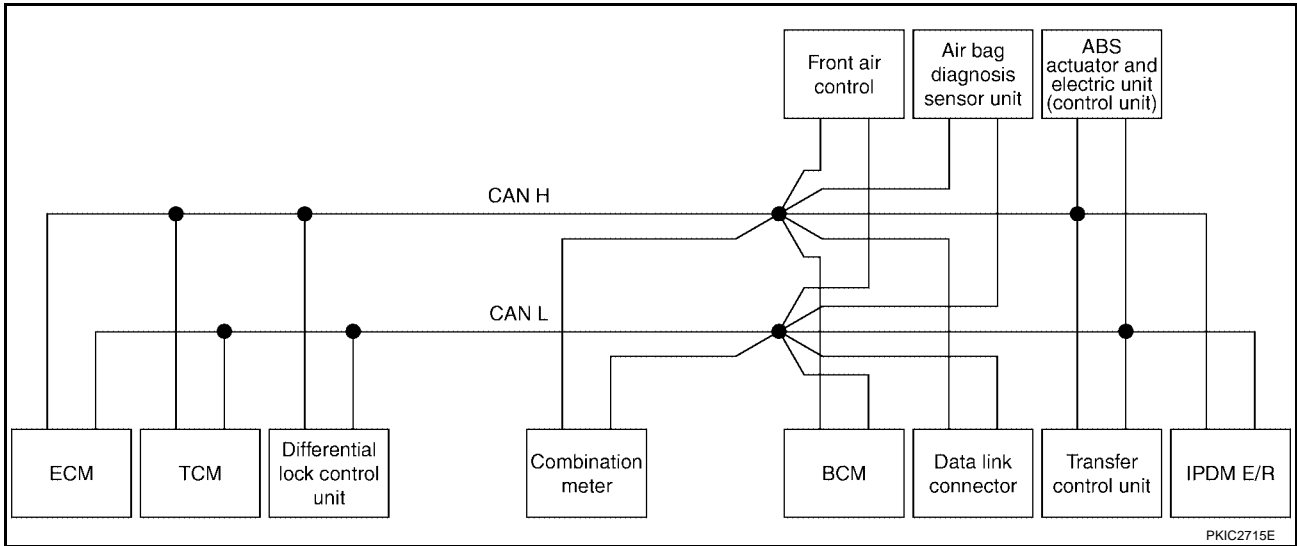
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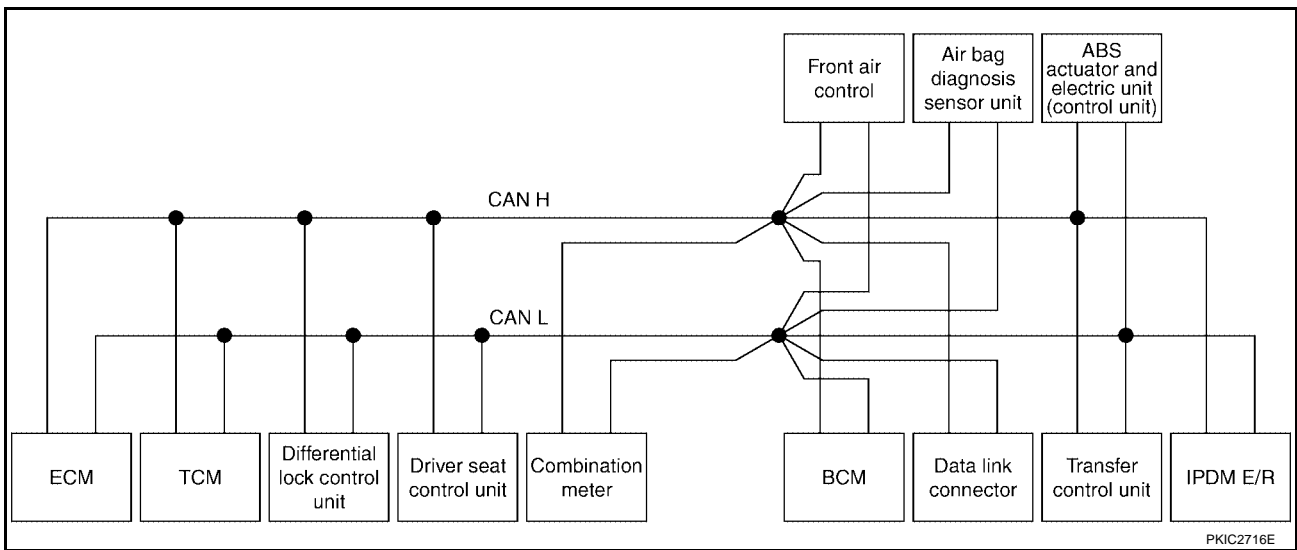
CAN COMMUNICATION

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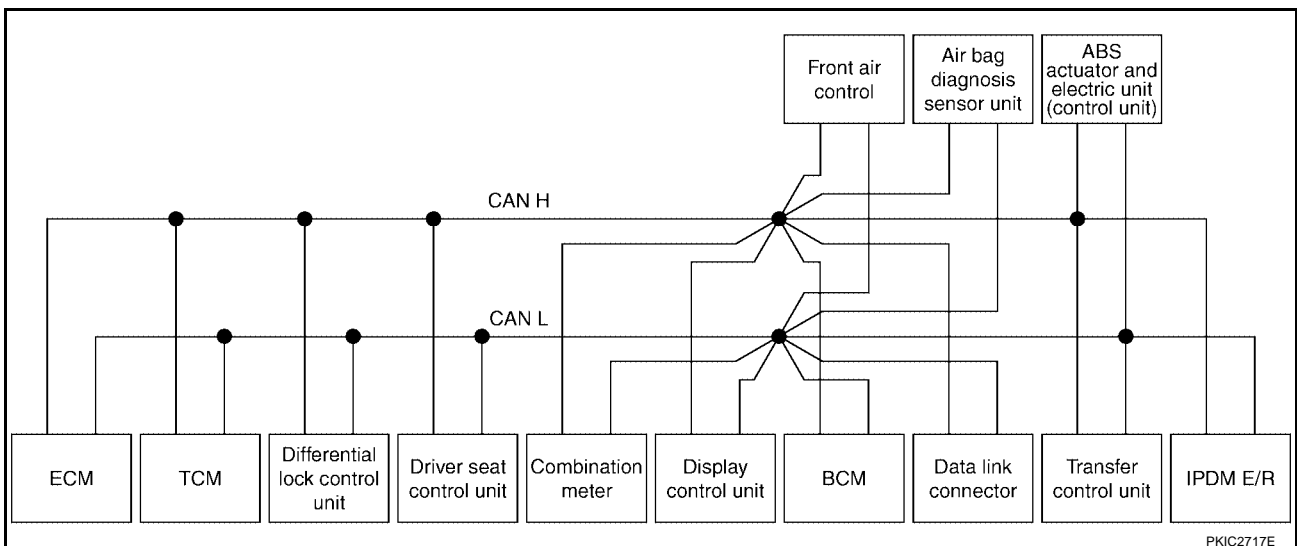
- Type 11



- Type 12



- Type 13



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CAN COMMUNICATION

[CAN]

Input/output signal chart

T: Transmit R: Receive

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	T										R
Accelerator pedal position signal	T	R								R	
ASCD CRUISE lamp signal	T				R						
ASCD OD cancel request signal	T	R									
ASCD operation signal	T	R									
ASCD SET lamp signal	T				R						
Battery voltage signal	T	R									
Closed throttle position signal	T	R									
Cooling fan speed request signal	T										R
Engine coolant temperature signal	T				R			R			
Engine speed signal	T	R			R	R		R	R	R	
Engine status signal	T						R				
Fuel consumption monitor signal	T				R						
					T	R					
Malfunction indicator lamp signal	T				R						
Wide open throttle position signal	T	R									
A/T CHECK indicator lamp signal		T			R						
A/T fluid temperature sensor signal		T			R						
A/T position indicator lamp signal		T			R				R		
A/T self-diagnosis signal	R	T									
Output shaft revolution signal	R	T							R		
P range signal		T		R						R	
Turbine revolution signal	R	T									
Differential lock indicator signal			T							R	
Differential lock switch signal			T							R	
System setting signal				T		R					
				R		T					
1st position switch signal*1		R			T						
4th position switch signal*1		R			T						
Distance to empty signal					T	R					
Fuel level low warning signal					T	R					
Fuel level sensor signal	R				T						

CAN COMMUNICATION

[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
Manual mode shift down signal ^{*2}		R			T						
Manual mode shift up signal ^{*2}		R			T						
Manual mode switch signal ^{*2}		R			T						
Not manual mode switch signal ^{*2}		R			T						
Seat belt buckle switch signal					T		R				
Stop lamp switch signal		R			T		R				
									R	T	
Tow mode switch signal		R			T						
Vehicle speed signal			R		R			R	R	T	
	R	R		R	T	R	R				
A/C switch/indicator signal ^{*4}						T		R			
						R		T			
A/C switch signal	R						T	R ^{*3}			
Blower fan motor switch signal	R						T				
Buzzer output signal					R		T				
Day time running light request signal							T				R
Door switch signal				R	R	R	T				R
Front fog light request signal							T				R
Front wiper request signal							T				R
High beam request signal					R		T				R
High beam status signal	R										T
Horn chirp signal							T				R
Ignition switch signal				R			T				R
Key fob door unlock signal				R			T				
Key fob ID signal				R			T				
Key switch signal				R			T				
Low beam request signal							T				R
Low beam status signal	R										T
Position light request signal					R		T				R
Rear window defogger request signal							T	R			R
Sleep wake up signal				R	R		T				R
Theft warning horn request signal							T				R
Tire pressure data signal						R	T				
Tire pressure signal					R		T				

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CAN COMMUNICATION

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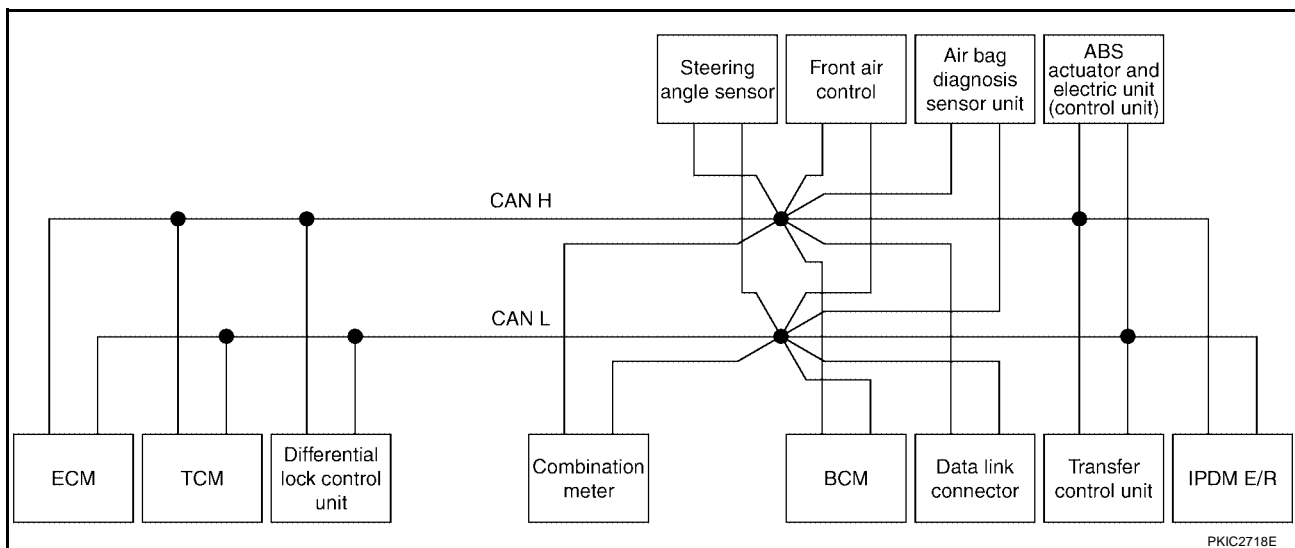
Signals	ECM	TCM	Differential lock control unit*5	Driver seat control unit*6	Combination meter	Display control unit*7	BCM	Front air control	Transfer control unit	ABS actuator and electric unit (control unit)	IPDM E/R
Turn indicator signal					R		T				
4WD shift switch signal	R		R						T		
ABS warning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

- *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/TYPER 15/TYPER 16/TYPER 17

System diagram

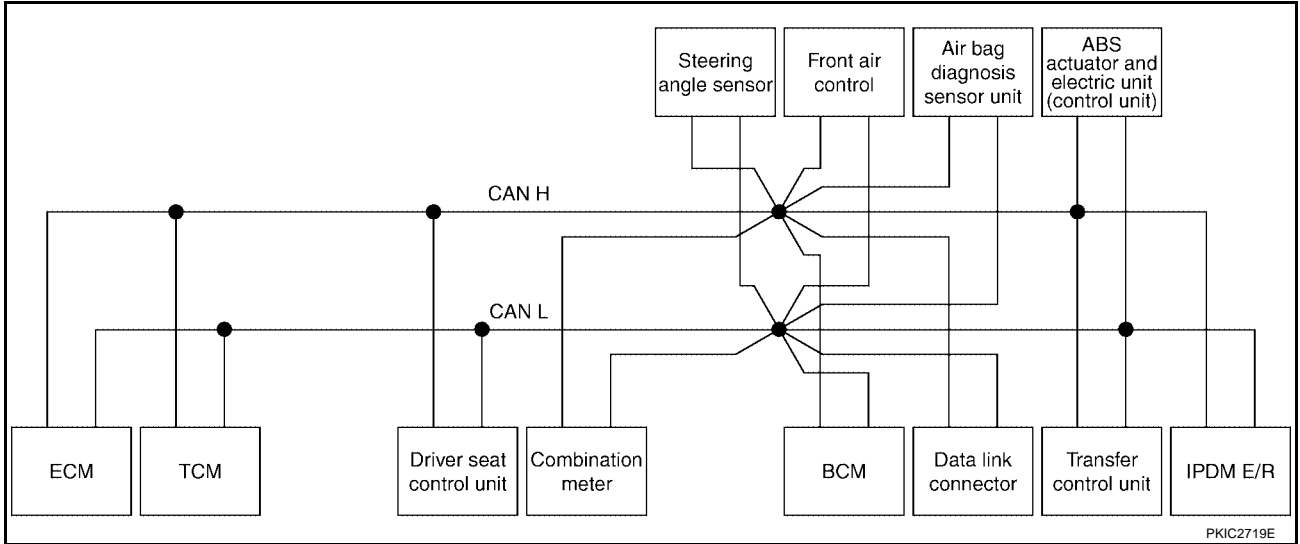
- Type 14



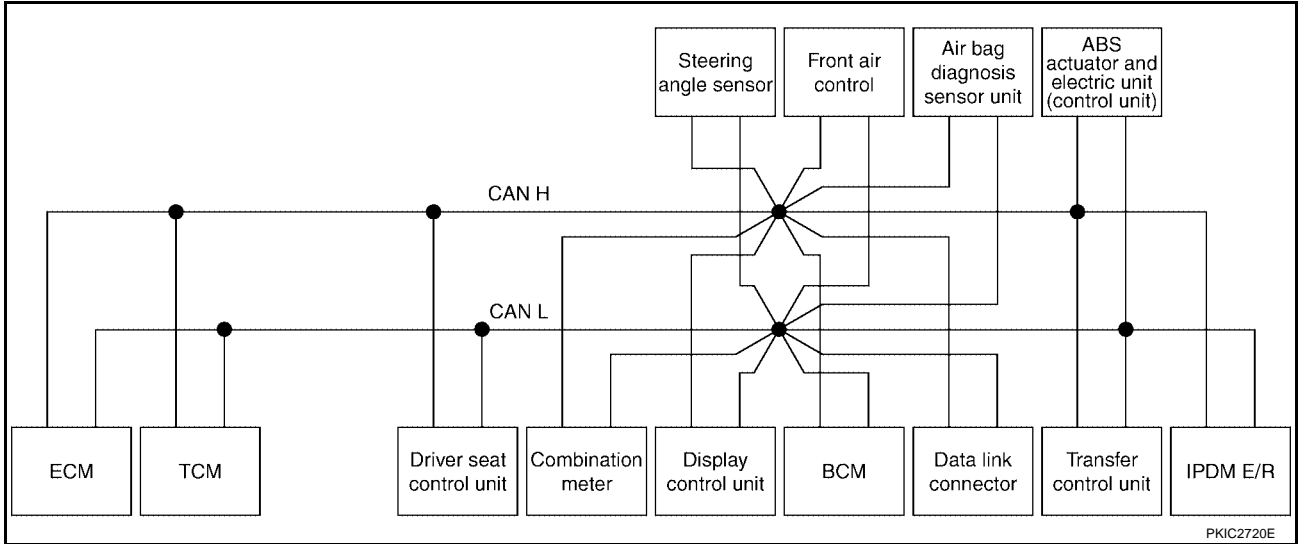
CAN COMMUNICATION

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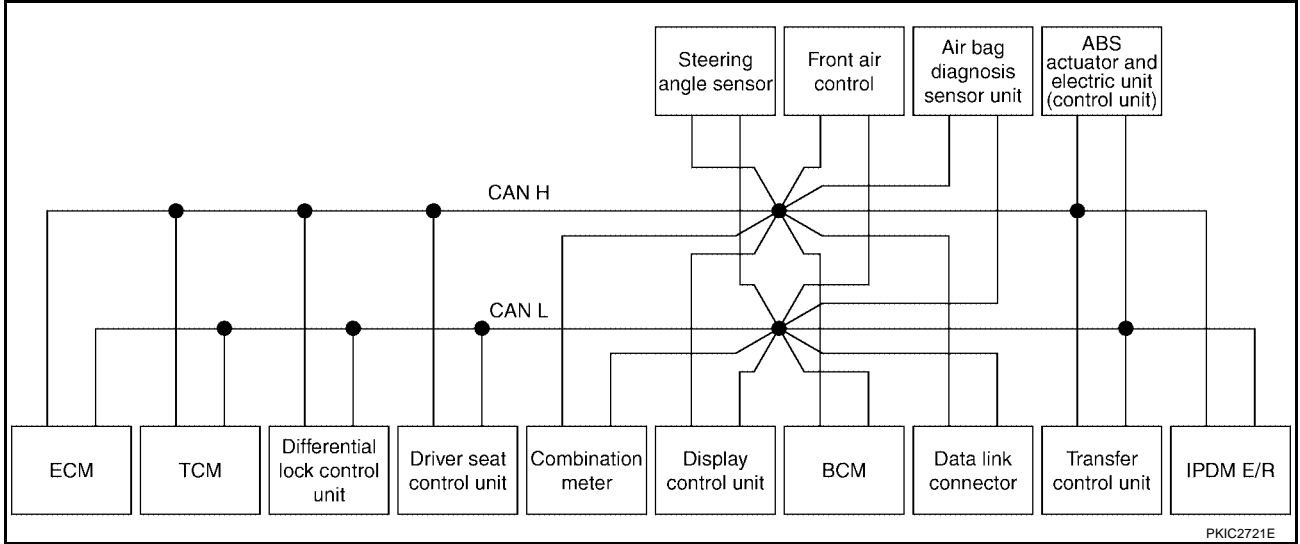
● Type 15



● Type 16



● Type 17



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CAN COMMUNICATION

[CAN]

Input/output signal chart

T: Transmit R: Receive

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	T											R
Accelerator pedal position signal	T	R									R	
ASCD CRUISE lamp signal	T				R							
ASCD OD cancel request signal	T	R										
ASCD operation signal	T	R										
ASCD SET lamp signal	T				R							
Battery voltage signal	T	R										
Closed throttle position signal	T	R										
Cooling fan speed request signal	T											R
Engine coolant temperature signal	T				R			R				
Engine speed signal	T	R			R	R		R	R	R		
Engine status signal	T						R					
Fuel consumption monitor signal	T				R							
					T	R						
Malfunction indicator lamp signal	T				R							
Wide open throttle position signal	T	R										
A/T CHECK indicator lamp signal		T			R							
A/T fluid temperature sensor signal		T			R							
A/T position indicator lamp signal		T			R					R		
A/T self-diagnosis signal	R	T										
Output shaft revolution signal	R	T								R		
P range signal		T		R							R	
Turbine revolution signal	R	T										
Differential lock indicator signal			T								R	
Differential lock switch signal			T								R	
System setting signal				T		R						
				R		T						
1st position switch signal*1		R			T							
4th position switch signal*1		R			T							
Distance to empty signal					T	R						
Fuel level low warning signal					T	R						
Fuel level sensor signal	R				T							

CAN COMMUNICATION

[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
Manual mode shift down signal*2		R			T							
Manual mode shift up signal*2		R			T							
Manual mode switch signal*2		R			T							
Not manual mode switch signal*2		R			T							
Seat belt buckle switch signal					T		R					
Stop lamp switch signal		R			T		R					
Tow mode switch signal		R			T					R	T	
Vehicle speed signal			R		R				R	R	T	
	R	R		R	T	R	R					
A/C switch/indicator signal*4						T			R			
						R			T			
A/C switch signal	R						T		R*3			
Blower fan motor switch signal	R						T					
Buzzer output signal					R		T					
Day time running light request signal							T					R
Door switch signal				R	R	R	T					R
Front fog light request signal							T					R
Front wiper request signal							T					R
High beam request signal					R		T					R
High beam status signal	R											T
Horn chirp signal							T					R
Ignition switch signal				R			T					R
Key fob door unlock signal				R			T					
Key fob ID signal				R			T					
Key switch signal				R			T					
Low beam request signal							T					R
Low beam status signal	R											T
Position light request signal					R		T					R
Rear window defogger request signal							T		R			R
Sleep wake up signal				R	R		T					R
Theft warning horn request signal							T					R
Tire pressure data signal						R	T					
Tire pressure signal					R		T					

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CAN COMMUNICATION

[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		T					
Steering angle sensor signal								T			R	
4WD shift switch signal	R		R							T		
ABS warning lamp signal					R						T	
Brake warning lamp signal					R						T	
SLIP indicator lamp signal					R						T	
VDC OFF indicator lamp signal					R						T	
Front wiper stop position signal							R					T
Rear window defogger status signal							R		R*3			T

- *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)

PF2:23710

Component Parts and Harness Connector Location

UKS004QX

A

Refer to [LAN-25, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS004MB

B

Refer to [LAN-26, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004MC

C

Refer to [LAN-27, "Wiring Diagram — CAN —"](#) .

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CAN SYSTEM (TYPE 1)

[CAN]

UKS004Q3

Check Sheet

NOTE:

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

Check sheet table											
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	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 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 :

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CAN SYSTEM (TYPE 1)

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Attach copy of
ENGINE
SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
BCM
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

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IPDM E/R
SELF-DIAG RESULTS

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CHECK SHEET RESULTS (EXAMPLE)

NOTE:

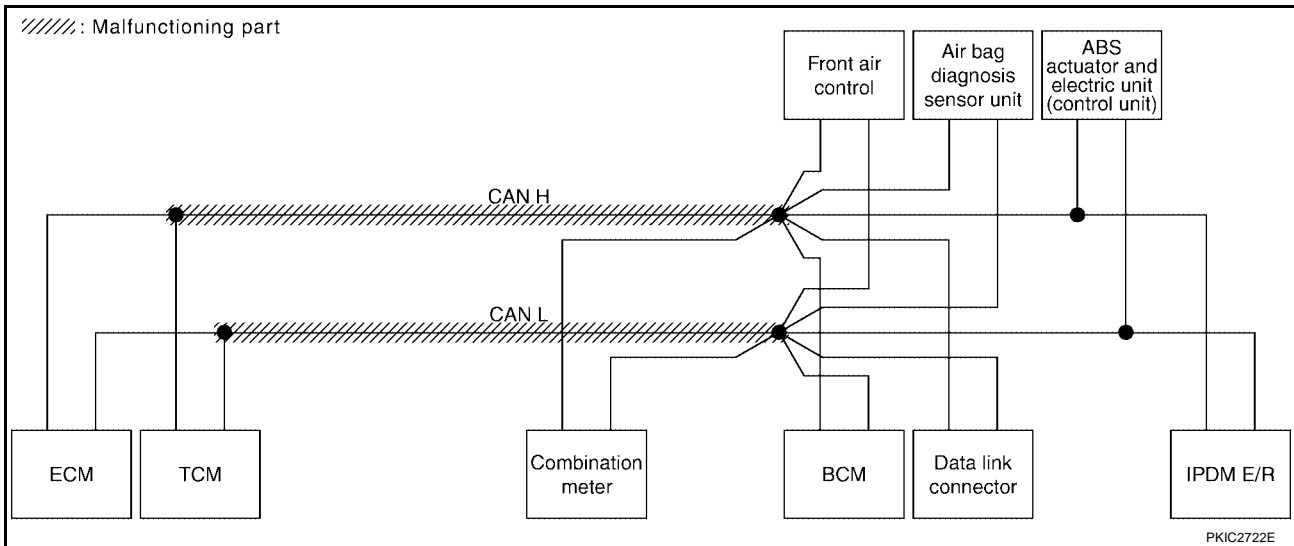
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and data link connector. Refer to [LAN-351, "Inspection Between TCM and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UN ✓ WN	UN ✓ WN	-	UN ✓ WN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U601)
A/T	-	NG	UNKWN	UNKWN	-	UN ✓ WN	-	-	-	CAN COMM CIRCUIT (U600)	-
BCM	No indication	NG	UNKWN	UN ✓ WN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UN ✓ WN	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	NG	UNKWN	UN ✓ WN	-	-	-	-	-	CAN COMM CIRCUIT (U600)	-
IPDM E/R	No indication	-	UNKWN	UN ✓ WN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U600)	-

PKIC2954E



PKIC2722E

CAN SYSTEM (TYPE 1)

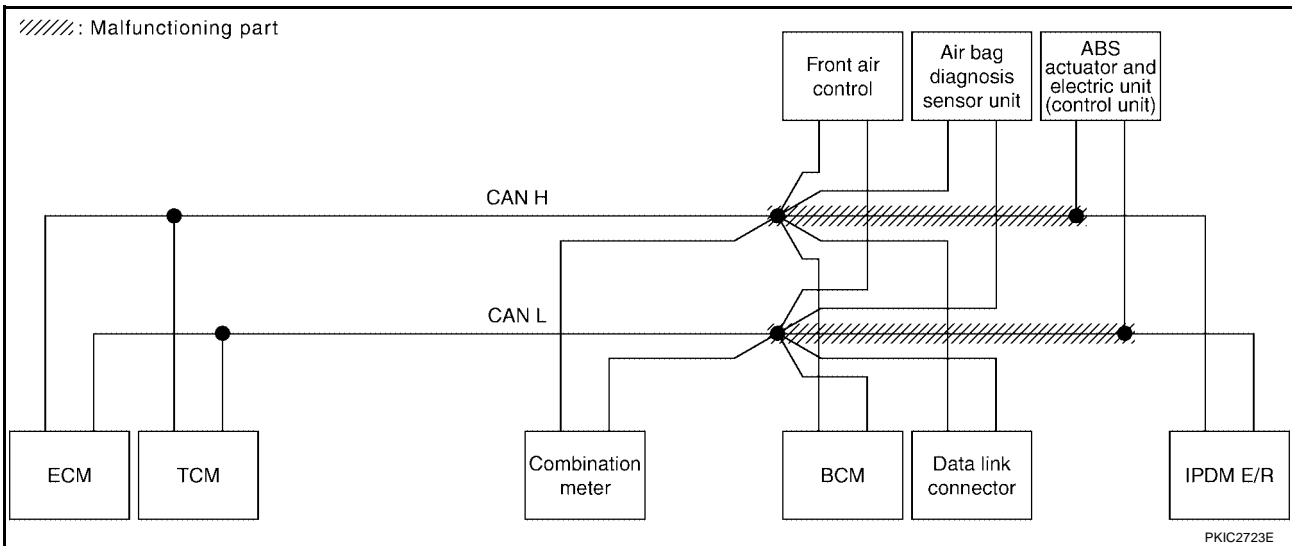
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Case 2

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		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
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	—	—	—	—	—	CAN COMM CIRCUIT (U000)	—
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U000)	—

PKIC2955E



PKIC2723E

CAN SYSTEM (TYPE 1)

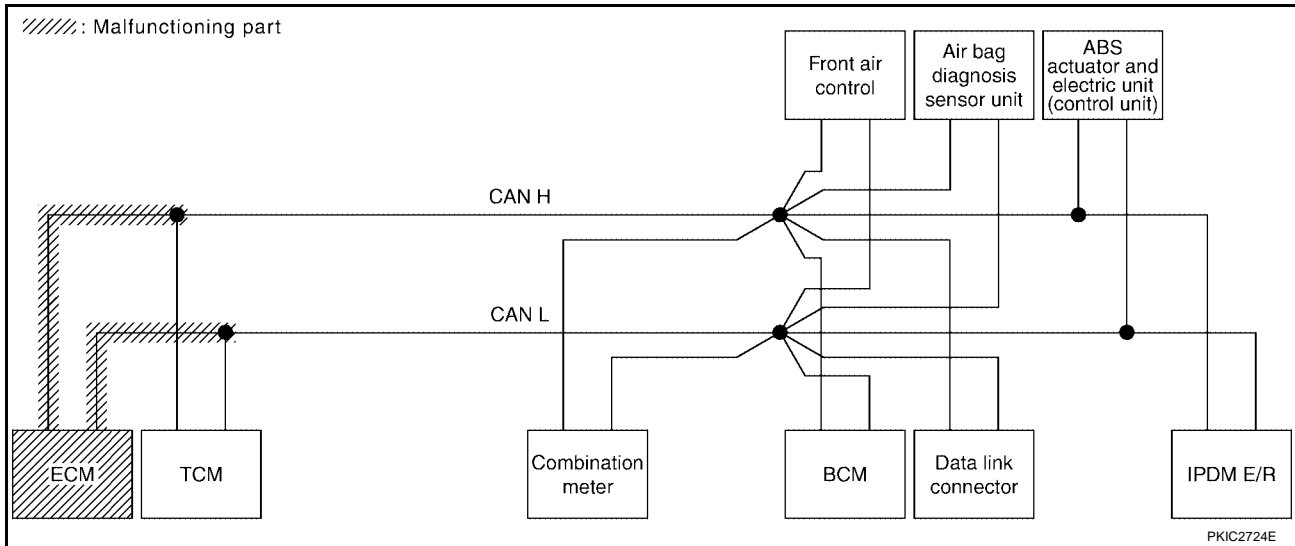
[CAN]

Case 3

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	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 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)	-

PKIC2956E



CAN SYSTEM (TYPE 1)

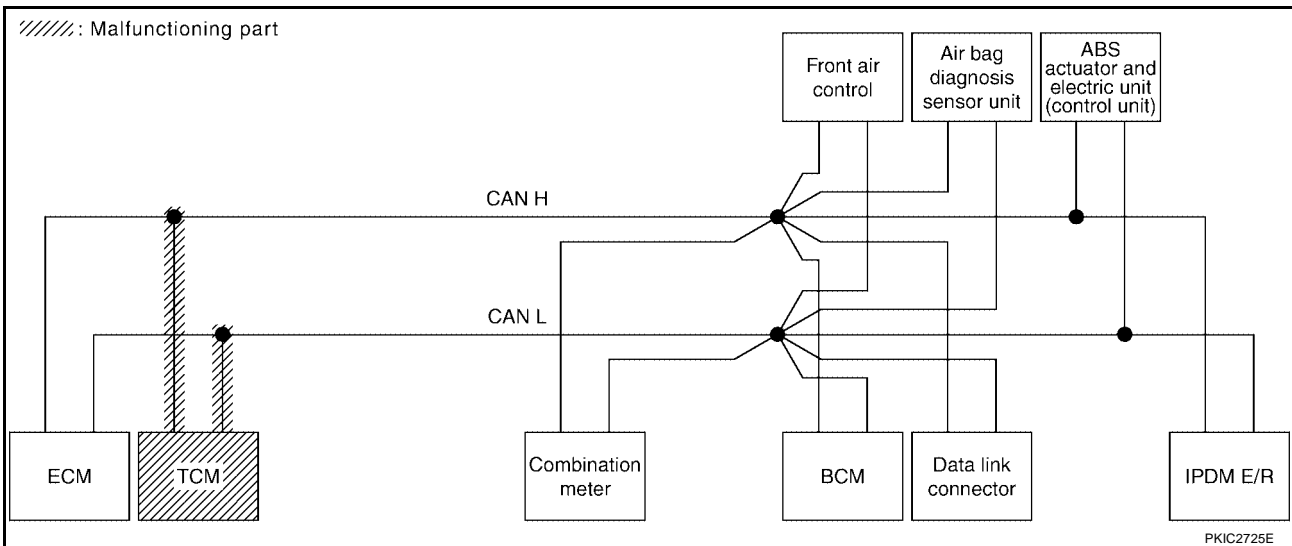
[CAN]

Case 4

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	—	—	UNKWN	—	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 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)	—

PKIC2957E



CAN SYSTEM (TYPE 1)

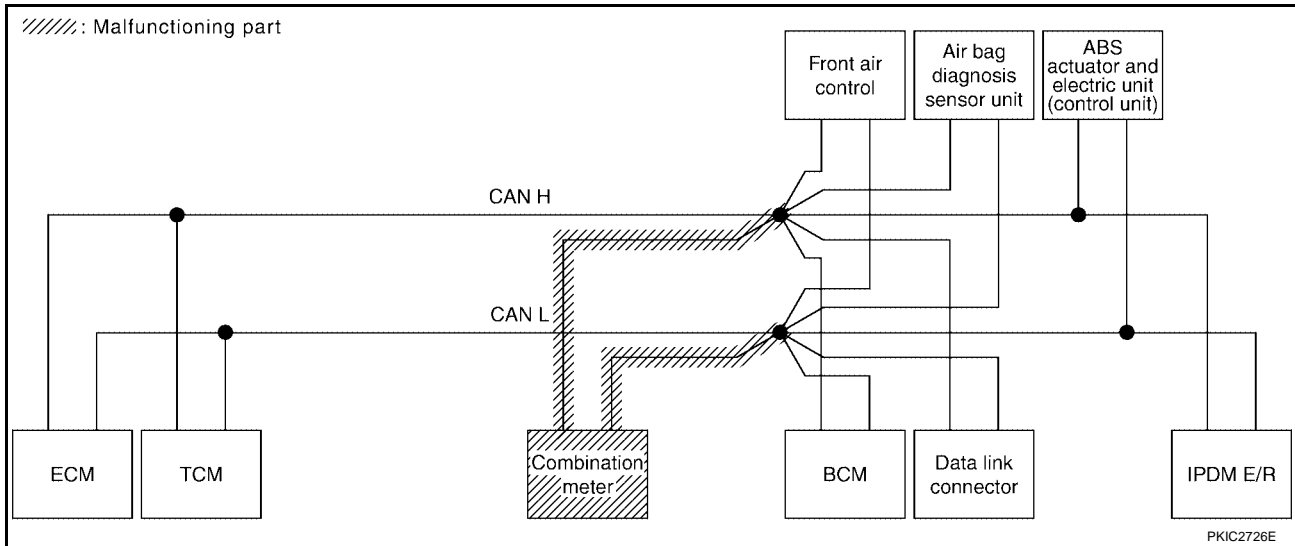
[CAN]

Case 5

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	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 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)	-

PKIC2958E



CAN SYSTEM (TYPE 1)

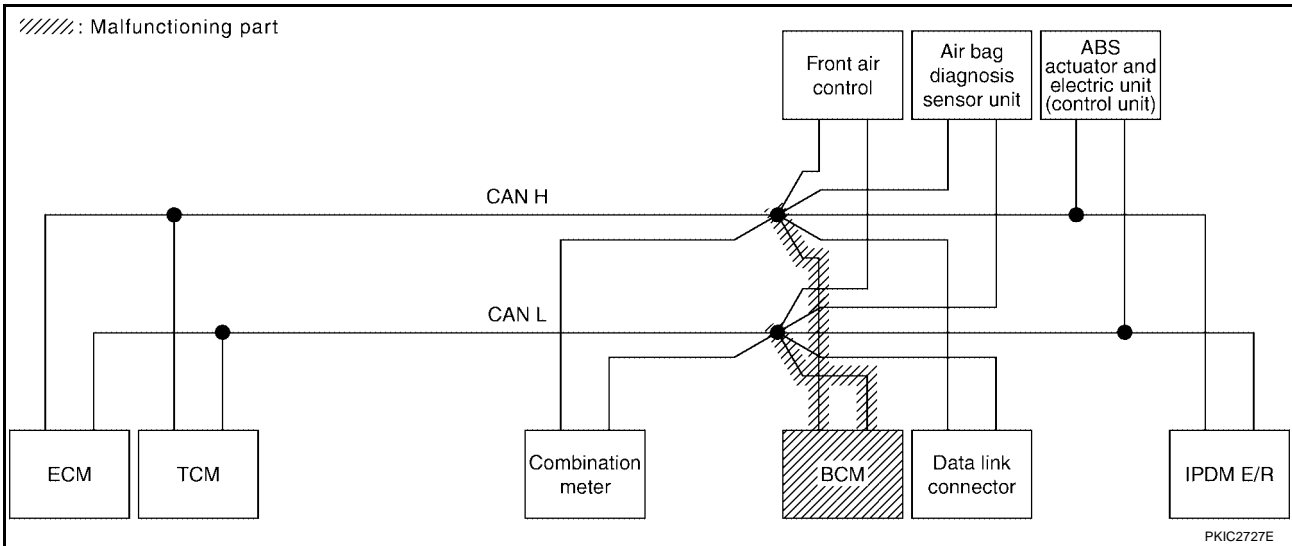
[CAN]

Case 6

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	—	—	UNKWN	—	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 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)	—

PKIC2959E



CAN SYSTEM (TYPE 1)

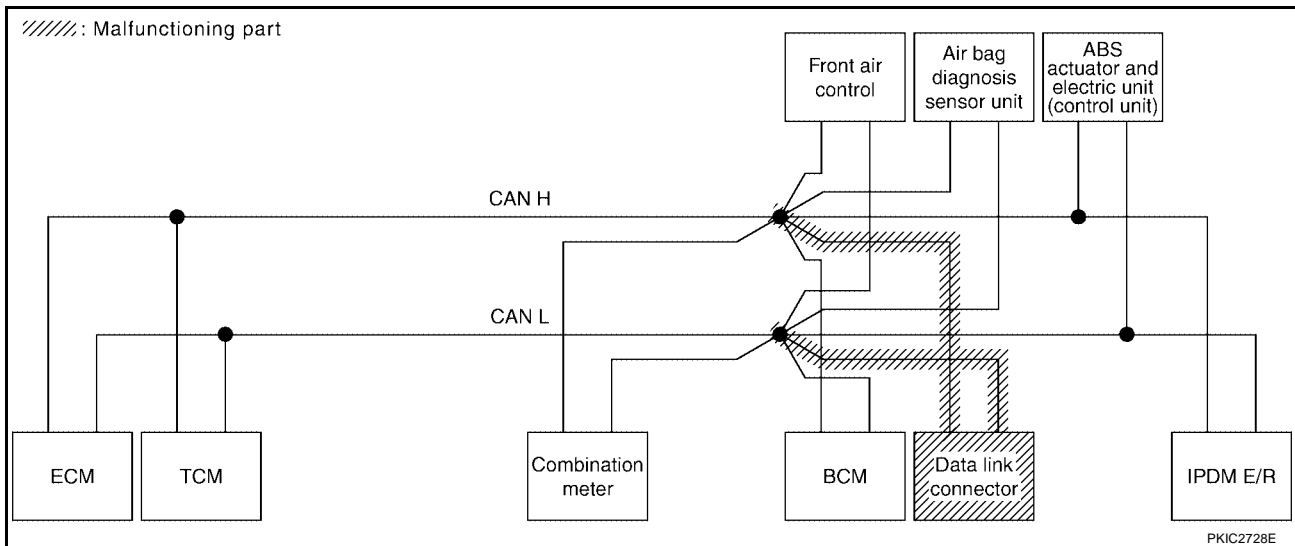
[CAN]

Case 7

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	—	—	UNKWN	—	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 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)	—

PKIC2960E



CAN SYSTEM (TYPE 1)

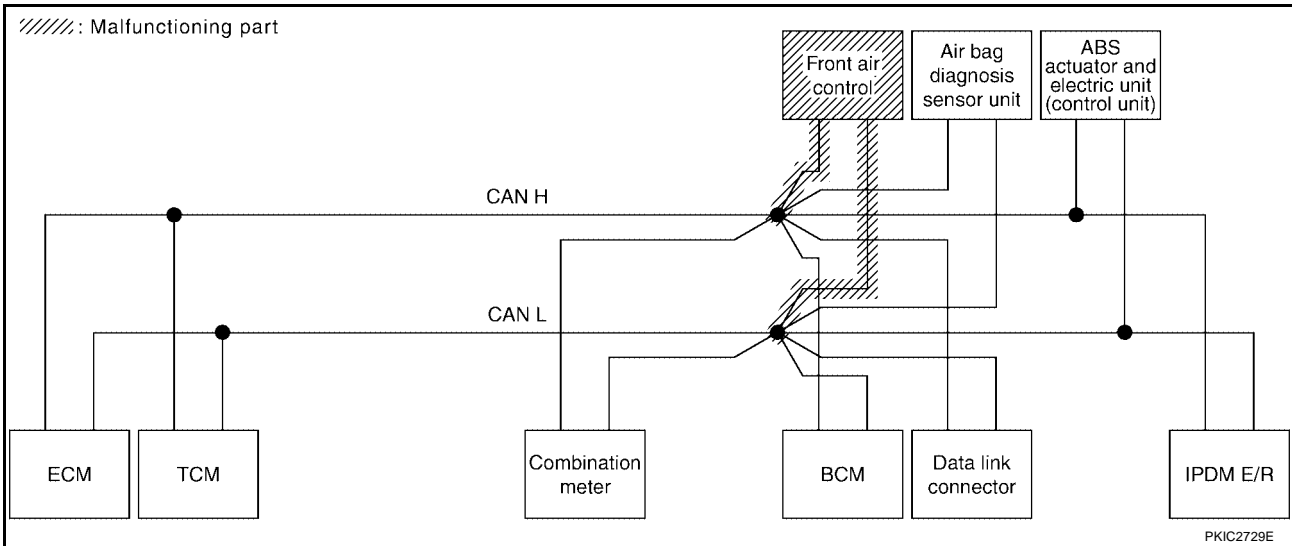
[CAN]

Case 8

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	—	—	UNKWN	—	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 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)	—

PKIC3194E



CAN SYSTEM (TYPE 1)

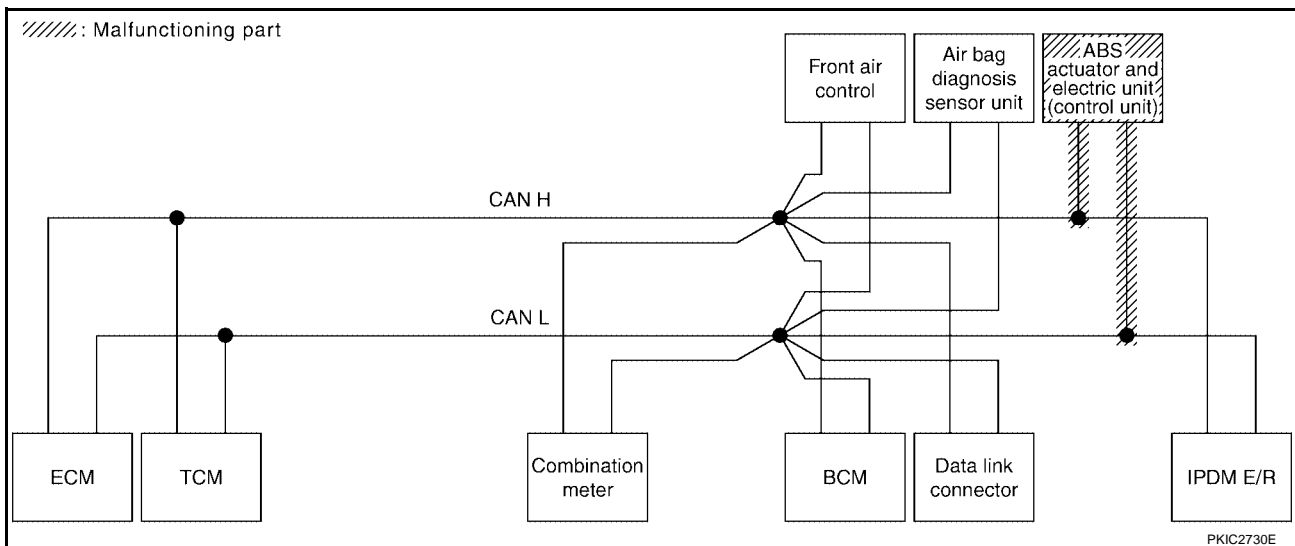
[CAN]

Case 9

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	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 indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	✓	UNKWN	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3195E



PKIC2730E

CAN SYSTEM (TYPE 1)

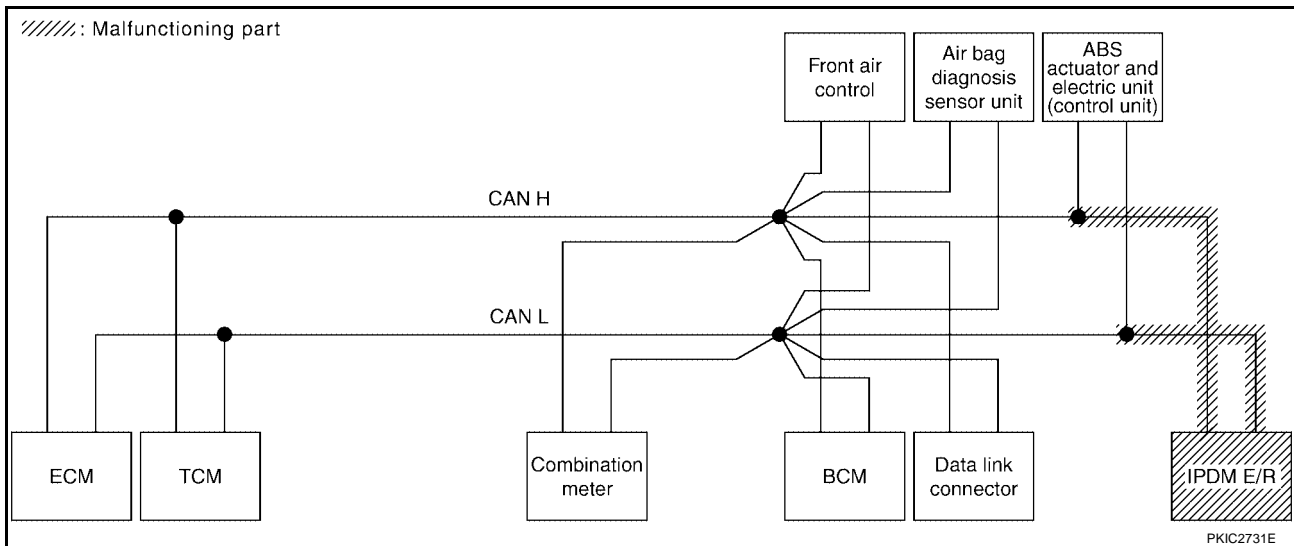
[CAN]

Case 10

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	—	—	UNKWN	—	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 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)	—

PKIC3196E



Case 11

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	—	—	UNKWN	—	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 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)	—

PKIC3197E

CAN SYSTEM (TYPE 1)

[CAN]

Case 12

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	–	–	UNKWN	–	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 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)	–

PKIC3198E

Case 13

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	–	–	UNKWN	–	UNKWN	UNKWN	UNKWN	–	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	–	NG	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	–	–	–	–	–	–	CAN COMM CIRCUIT (U1000)	–
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	UNKWN	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3199E

CAN SYSTEM (TYPE 2)

[CAN]

CAN SYSTEM (TYPE 2)

PF2:23710

Component Parts and Harness Connector Location

UKS004ME

A

Refer to [LAN-25, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS004MF

B

Refer to [LAN-26, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004MG

C

Refer to [LAN-27, "Wiring Diagram — CAN —"](#) .

D

E

F

G

H

I

J

LAN

L

M

CAN SYSTEM (TYPE 2)

[CAN]

UKS004Q2

Check Sheet

NOTE:

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

Check sheet table												
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	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	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	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						Attach copy of SELECT SYSTEM						

PKIC2938E

CAN SYSTEM (TYPE 2)

[CAN]

A
B
C
D
E
F
G
H
I
J
L
M

Attach copy of
ENGINE
SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
BCM
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

Attach copy of
IPDM E/R
SELF-DIAG RESULTS

Attach copy of
ENGINE
CAN DIAG SUPPORT
MNTR

Attach copy of
A/T
CAN DIAG SUPPORT
MNTR

Attach copy of
BCM
CAN DIAG SUPPORT
MNTR

Attach copy of
HVAC
CAN DIAG SUPPORT
MNTR

Attach copy of
ABS
CAN DIAG SUPPORT
MNTR

Attach copy of
IPDM E/R
CAN DIAG SUPPORT
MNTR

LAN

PKIB6628E

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

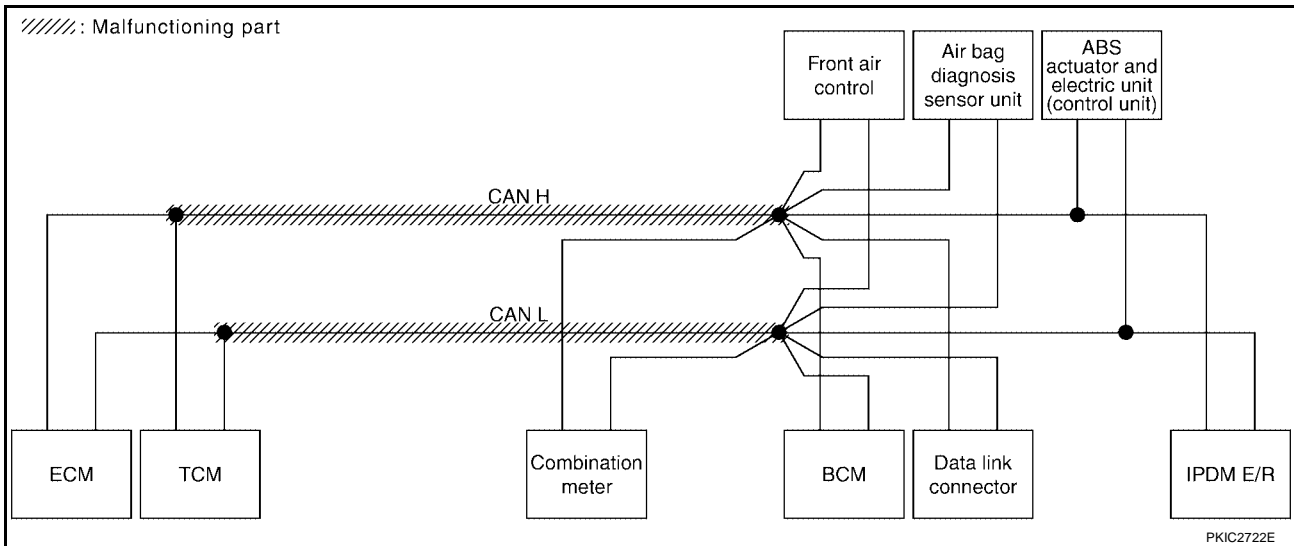
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and data link connector. Refer to [LAN-351, "Inspection Between TCM and Data Link Connector Circuit"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	✓	✓	✓	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U601)
A/T	-	NG	UNKWN	UNKWN	-	✓	-	✓	-	CAN COMM CIRCUIT (U600)	-
BCM	No indication	NG	UNKWN	✓	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	✓	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	NG	UNKWN	✓	✓	-	-	-	-	CAN COMM CIRCUIT (U600)	-
IPDM E/R	No indication	-	UNKWN	✓	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U600)	-

PKIC3200E



CAN SYSTEM (TYPE 2)

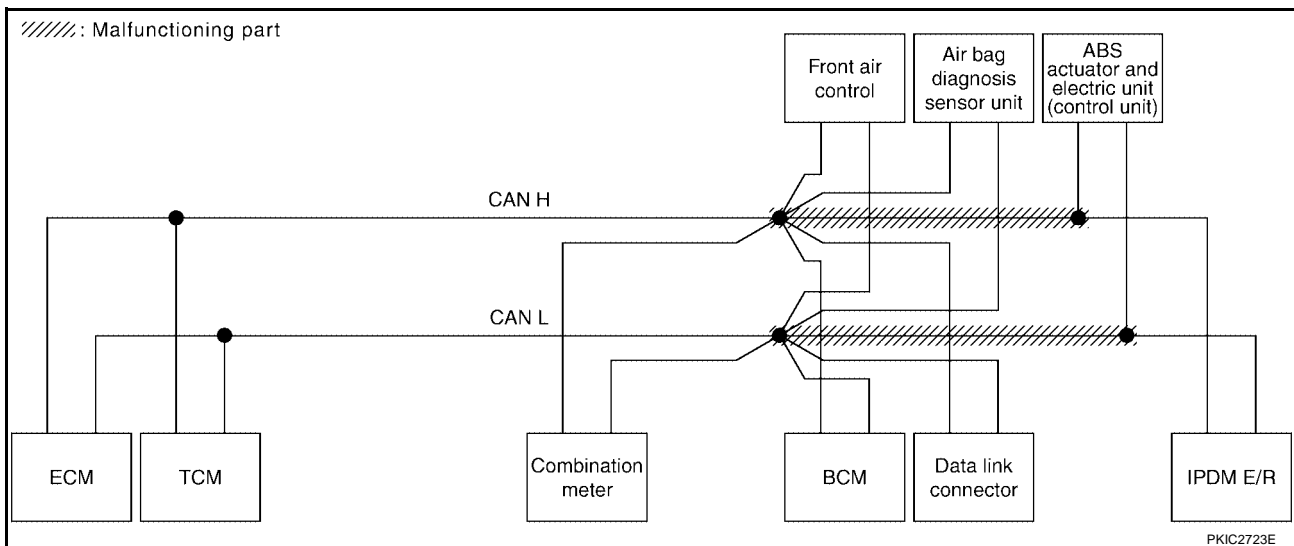
[CAN]

Case 2

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		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
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	UNKWN	—	—
ABS	—	NG	UNKWN	UNKWN	UNKWN	UNKWN	—	—	—	—	CAN COMM CIRCUIT (U1000)	—
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	UNKWN	—	—	—	CAN COMM CIRCUIT (U1000)	—

PKIC3201E



PKIC2723E

CAN SYSTEM (TYPE 2)

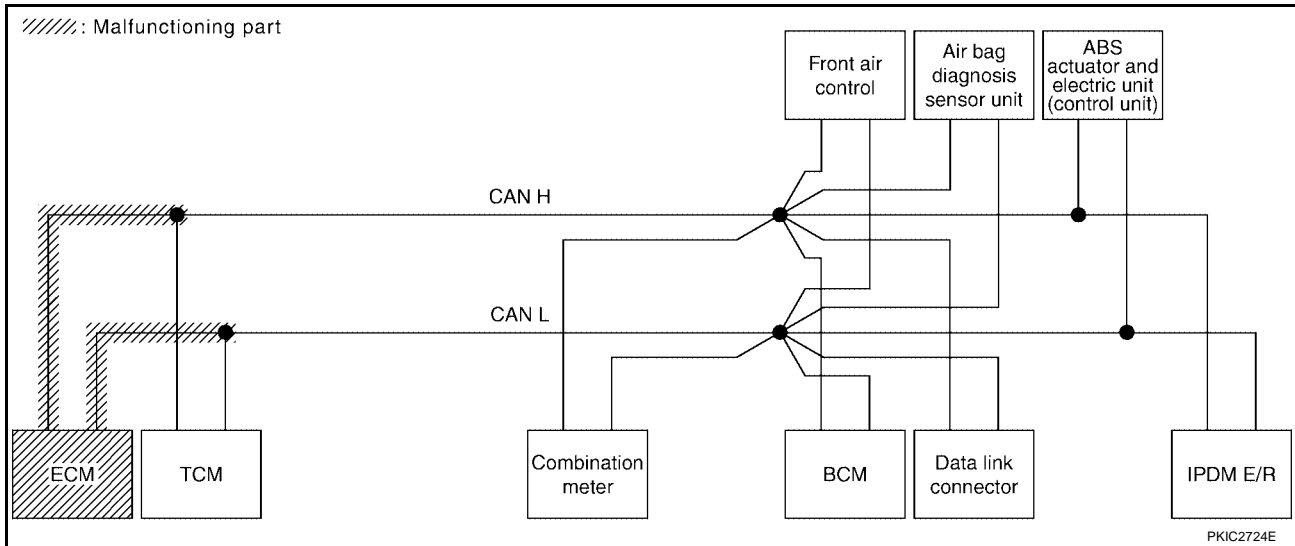
[CAN]

Case 3

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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)	-
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)	-

PKIC3202E



CAN SYSTEM (TYPE 2)

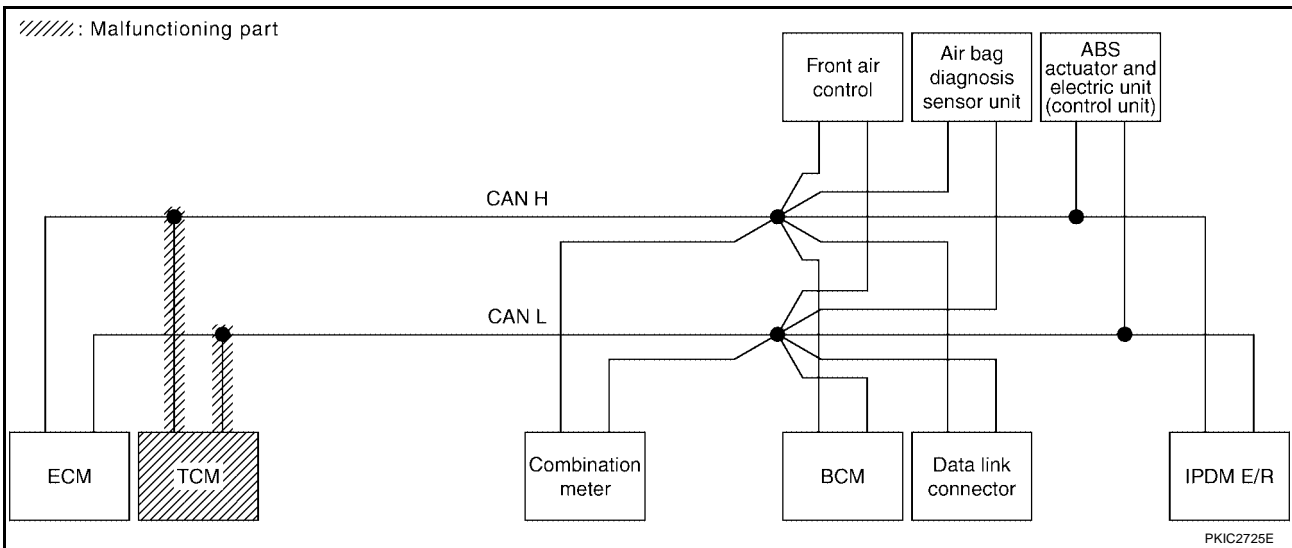
[CAN]

Case 4

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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)	—
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)	—

PKIC3203E



CAN SYSTEM (TYPE 2)

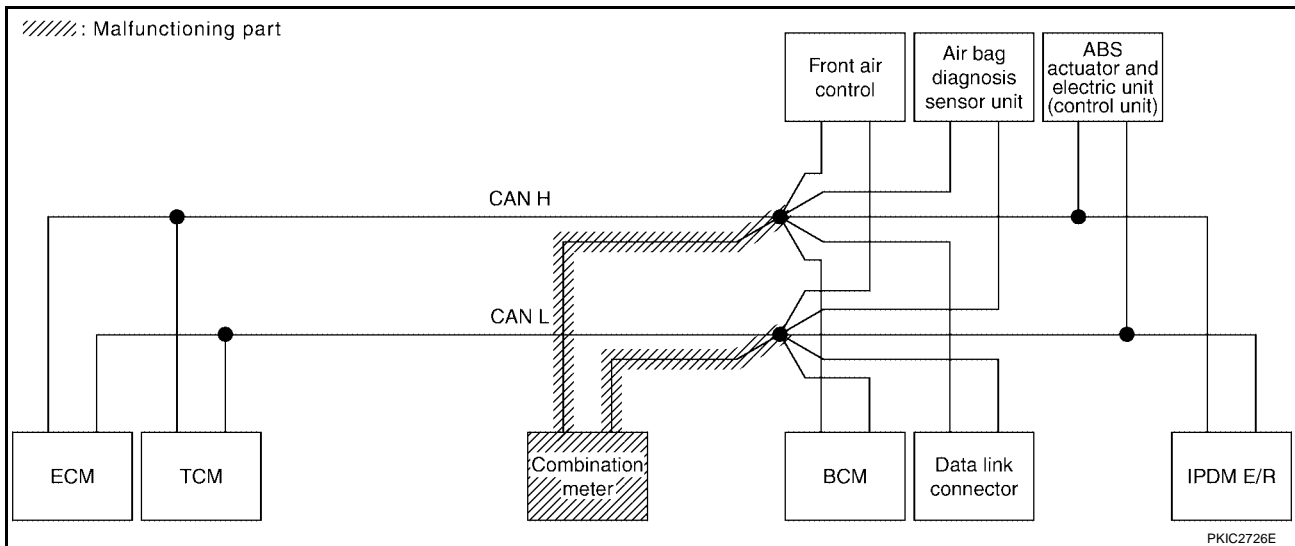
[CAN]

Case 5

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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) ✓	-
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)	-

PKIC3204E



CAN SYSTEM (TYPE 2)

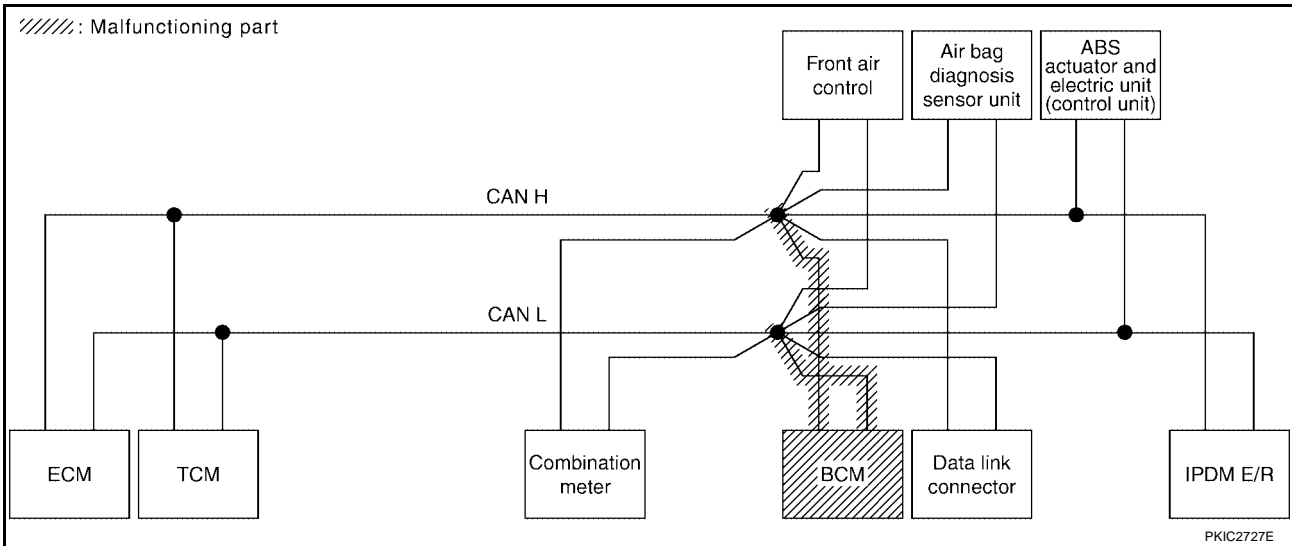
[CAN]

Case 6

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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)	—
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)	—

PKIC3205E



CAN SYSTEM (TYPE 2)

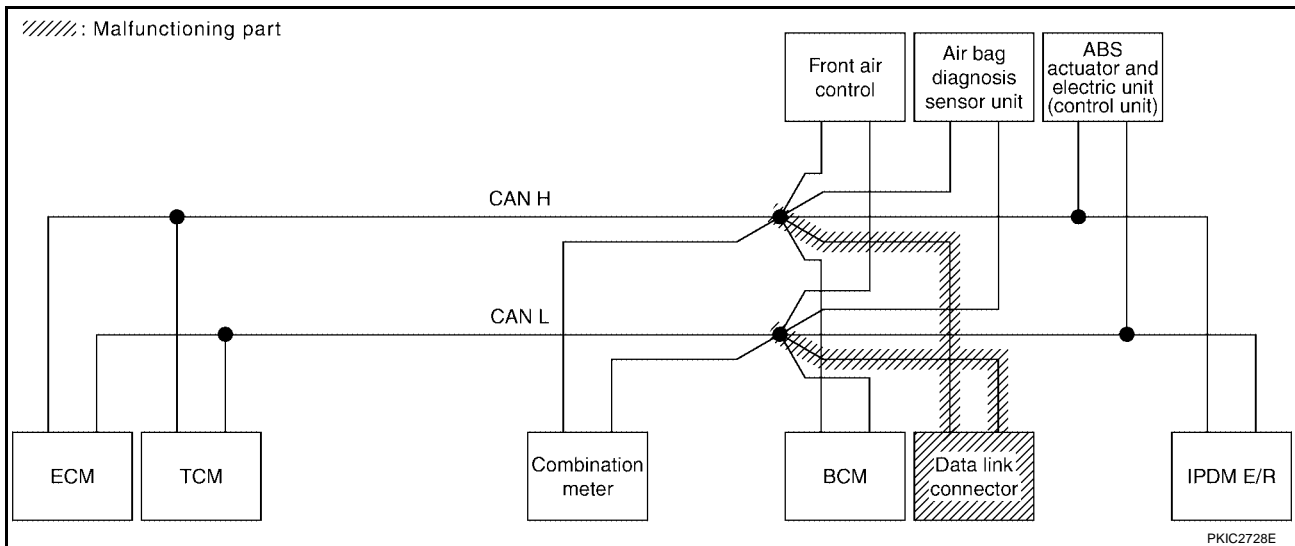
[CAN]

Case 7

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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)	—
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)	—

PKIC3206E



CAN SYSTEM (TYPE 2)

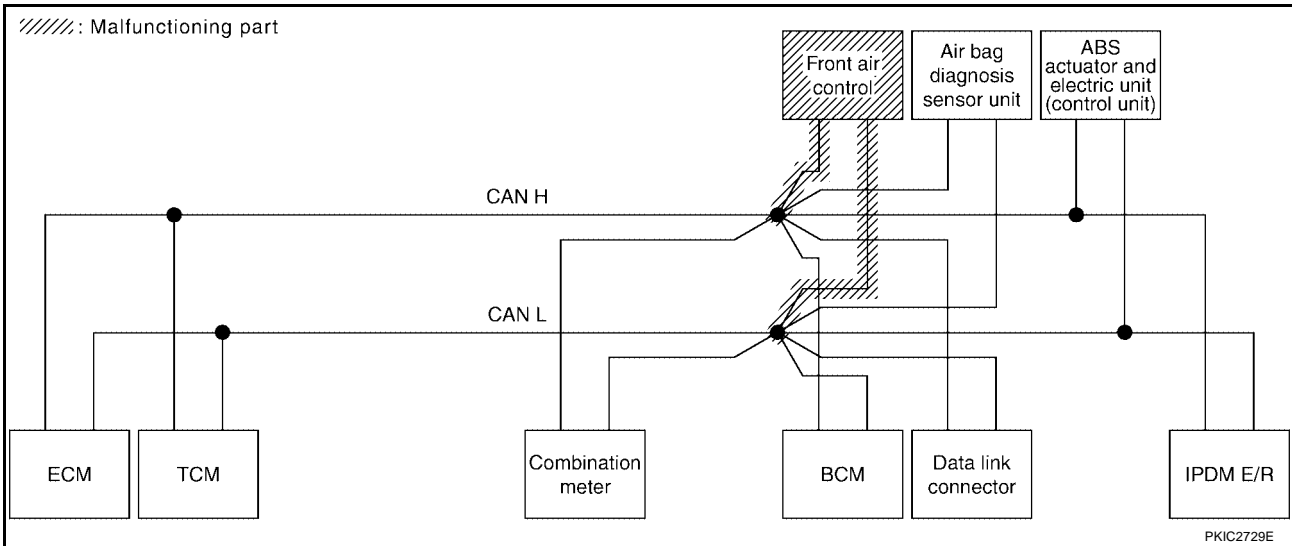
[CAN]

Case 8

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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)	—
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)	—

PKIC3207E



CAN SYSTEM (TYPE 2)

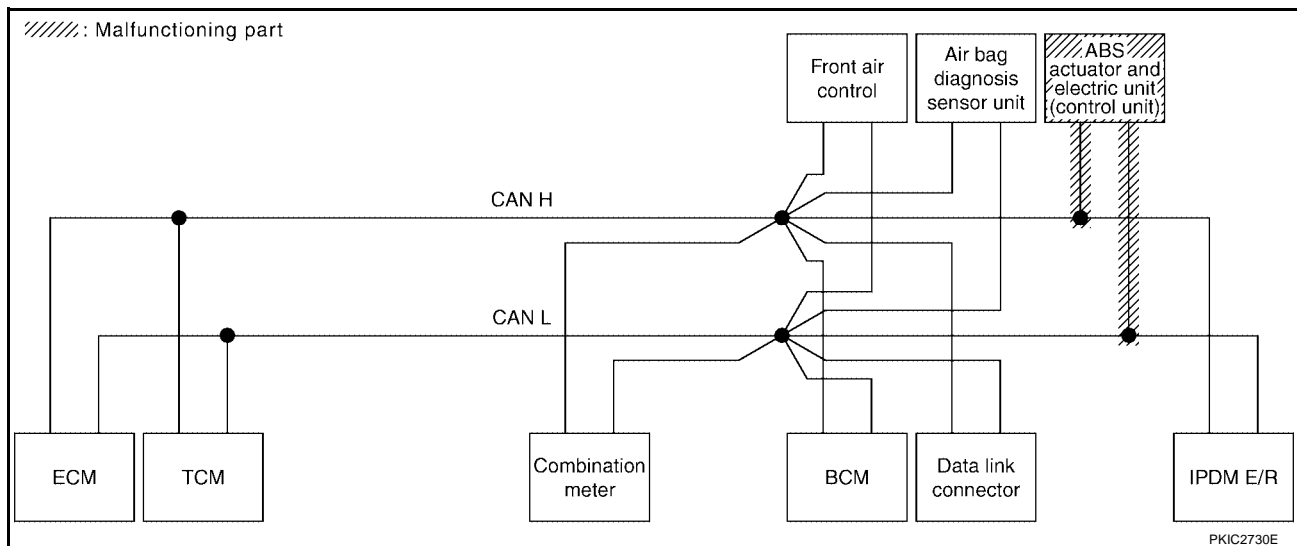
[CAN]

Case 9

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	UNKWN	-	-
ABS	-	✓	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3208E



PKIC2730E

CAN SYSTEM (TYPE 2)

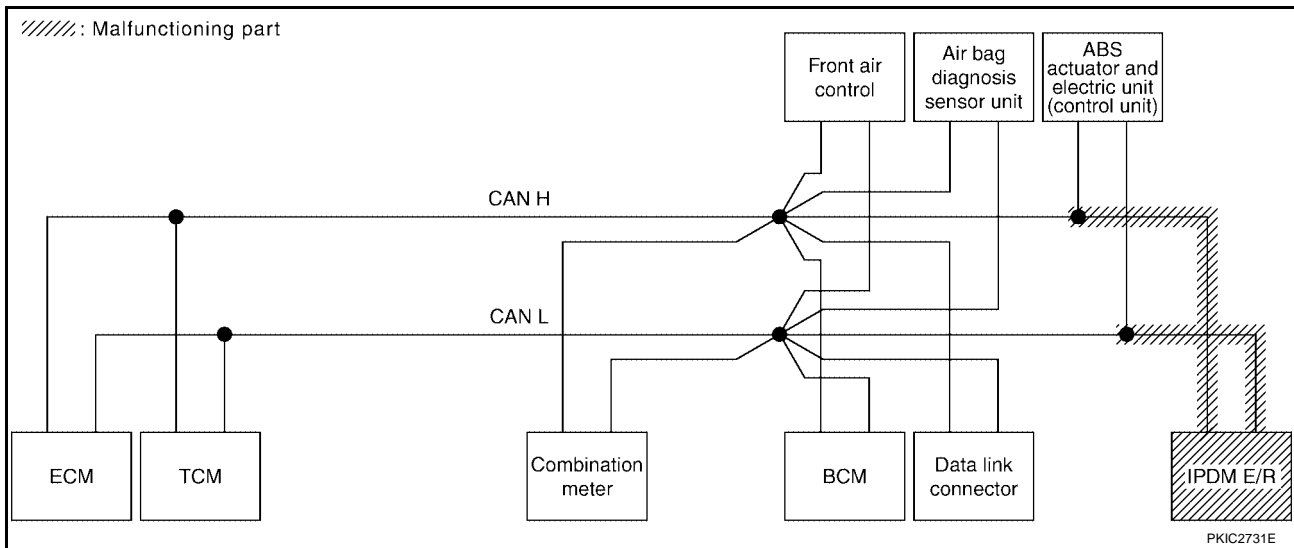
[CAN]

Case 10

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R			
ENGINE	—	—	UNKW	—	UNKW	UNKW	UNKW	UNKW	UNKW	UNKW	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	—	NG	UNKW	UNKW	—	UNKW	—	UNKW	—	—	CAN COMM CIRCUIT (U1000)	—
BCM	No indication	NG	UNKW	UNKW	—	UNKW	—	—	—	UNKW	CAN COMM CIRCUIT (U1000)	—
HVAC	No indication	—	UNKW	UNKW	—	—	UNKW	UNKW	UNKW	UNKW	—	—
ABS	—	NG	UNKW	UNKW	UNKW	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—
IPDM E/R	No indication	—	UNKW	UNKW	—	—	UNKW	—	—	—	CAN COMM CIRCUIT (U1000)	—

PKIC3209E



Case 11

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R			
ENGINE	—	—	UNKW	—	UNKW	UNKW	UNKW	UNKW	UNKW	UNKW	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	—	NG	UNKW	UNKW	—	UNKW	—	UNKW	—	—	CAN COMM CIRCUIT (U1000)	—
BCM	No indication	NG	UNKW	UNKW	—	UNKW	—	—	—	UNKW	CAN COMM CIRCUIT (U1000)	—
HVAC	No indication	—	UNKW	UNKW	—	—	UNKW	UNKW	UNKW	UNKW	—	—
ABS	—	NG	UNKW	UNKW	UNKW	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—
IPDM E/R	No indication	—	UNKW	UNKW	—	—	UNKW	—	—	—	CAN COMM CIRCUIT (U1000)	—

PKIC3210E

CAN SYSTEM (TYPE 2)

[CAN]

Case 12

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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)	-
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)	-

PKIC3211E

Case 13

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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	-	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	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3212E

CAN SYSTEM (TYPE 3)

[CAN]

CAN SYSTEM (TYPE 3)

PF2:23710

Component Parts and Harness Connector Location

UKS004MI

A

Refer to [LAN-25, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS004MJ

B

Refer to [LAN-26, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004MK

C

Refer to [LAN-27, "Wiring Diagram — CAN —"](#) .

D

E

F

G

H

I

J

LAN

L

M

CAN SYSTEM (TYPE 3)

[CAN]

UKS004Q1

Check Sheet

NOTE:

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

Check sheet table											
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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)	-
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	-	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-

Symptoms :

Attach copy of
SELECT SYSTEM

Attach copy of
SELECT SYSTEM

PKIC2939E

CAN SYSTEM (TYPE 3)

[CAN]

A
B
C
D
E
F
G
H
I
J
L
M

Attach copy of
ENGINE
SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
AUTO DRIVE POS.
SELF-DIAG RESULTS

Attach copy of
BCM
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

Attach copy of
IPDM E/R
SELF-DIAG RESULTS

Attach copy of
ENGINE
CAN DIAG SUPPORT
MNTR

Attach copy of
A/T
CAN DIAG SUPPORT
MNTR

Attach copy of
AUTO DRIVE POS.
CAN DIAG SUPPORT
MNTR

Attach copy of
BCM
CAN DIAG SUPPORT
MNTR

Attach copy of
HVAC
CAN DIAG SUPPORT
MNTR

Attach copy of
ABS
CAN DIAG SUPPORT
MNTR

Attach copy of
IPDM E/R
CAN DIAG SUPPORT
MNTR

LAN

PKIB6658E

CAN SYSTEM (TYPE 3)

[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

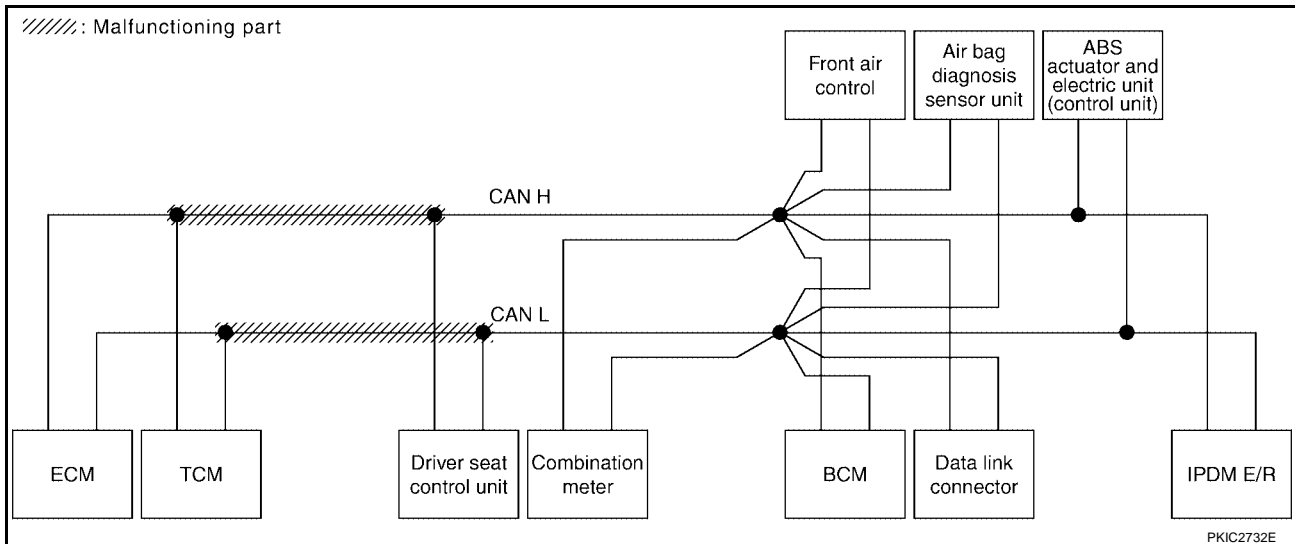
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN ✓	UNKWN ✓	UNKWN ✓	UNKWN ✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001) ✓
A/T	-	NG	UNKWN	UNKWN	-	UNKWN ✓	-	UNKWN ✓	-	CAN COMM CIRCUIT (U000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN ✓	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-
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 (U000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN ✓	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-

PKIC3213E

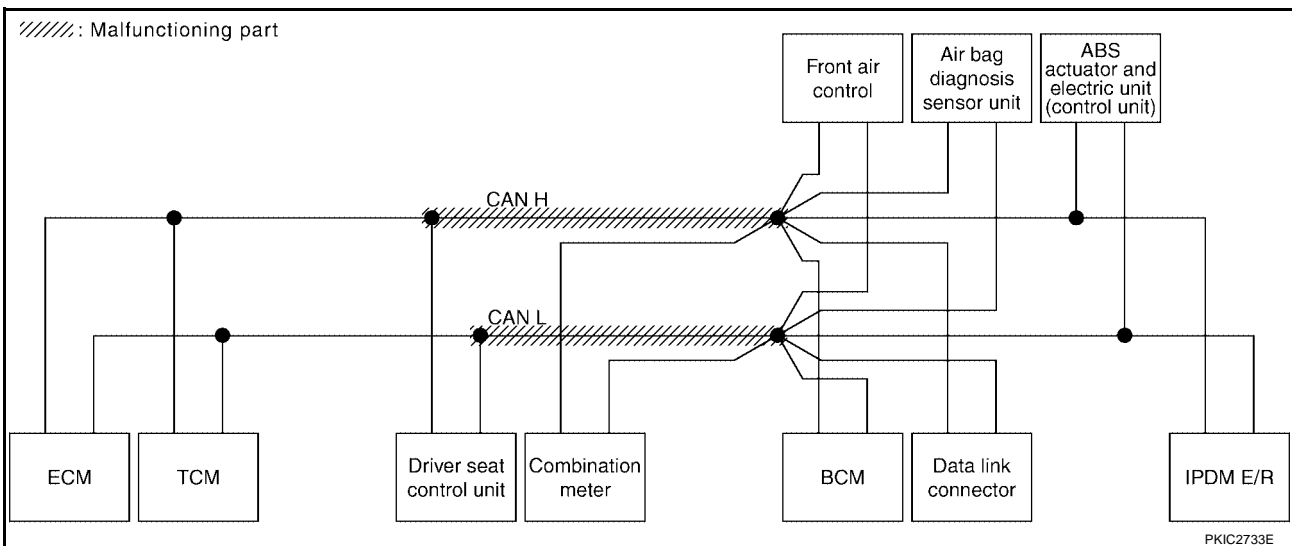


Case 2

Check harness between driver seat control unit and data link connector. Refer to [LAN-354, "Inspection Between Driver Seat Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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) ✓	—
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	—	UNKWN	UNKWN ✓	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000) ✓	—

PKIC3214E



CAN SYSTEM (TYPE 3)

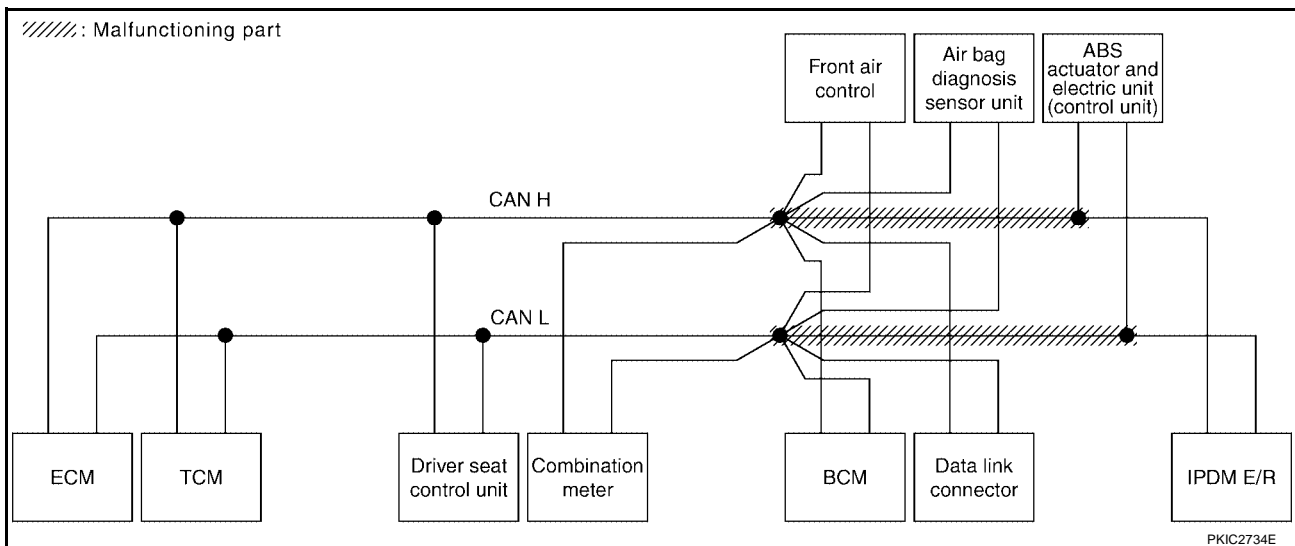
[CAN]

Case 3

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		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-
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 (U000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U000)	-

PKIC3215E



CAN SYSTEM (TYPE 3)

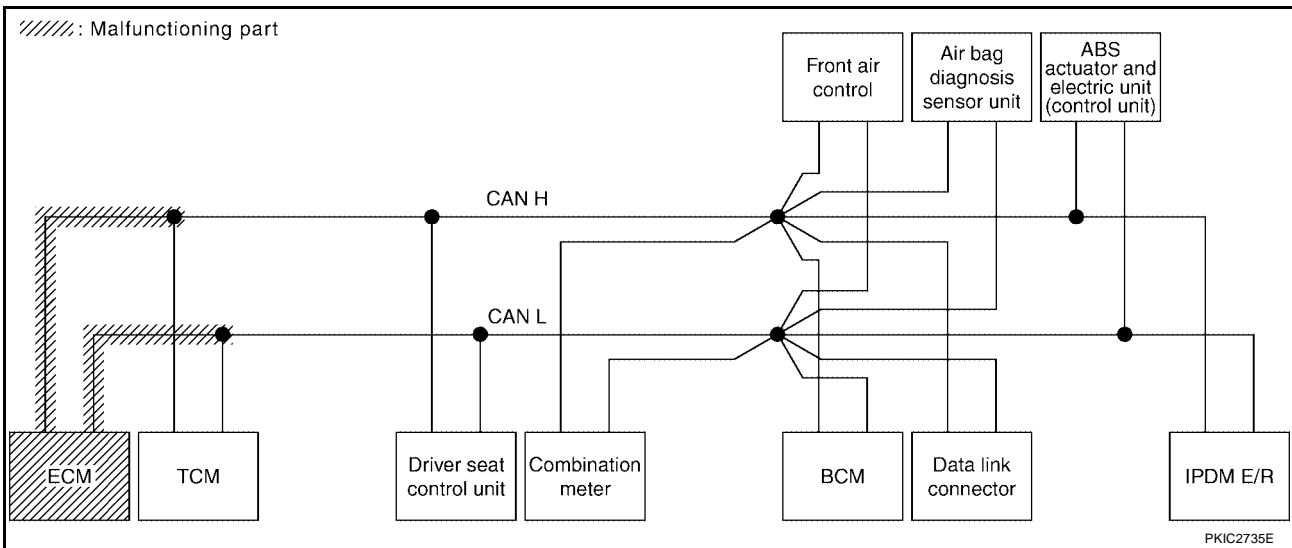
[CAN]

Case 4

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN ✓	-	UNKWN ✓	UNKWN ✓	UNKWN ✓	UNKWN ✓	UNKWN ✓	CAN COMM CIRCUIT (U100) ✓	CAN COMM CIRCUIT (U101) ✓
A/T	-	NG	UNKWN	UNKWN ✓	-	UNKWN	-	UNKWN	-	CAN COMM CIRCUIT (U100) ✓	-
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 (U100) ✓	-
IPDM E/R	No indication	-	UNKWN	UNKWN ✓	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U100) ✓	-

PKIC3216E



CAN SYSTEM (TYPE 3)

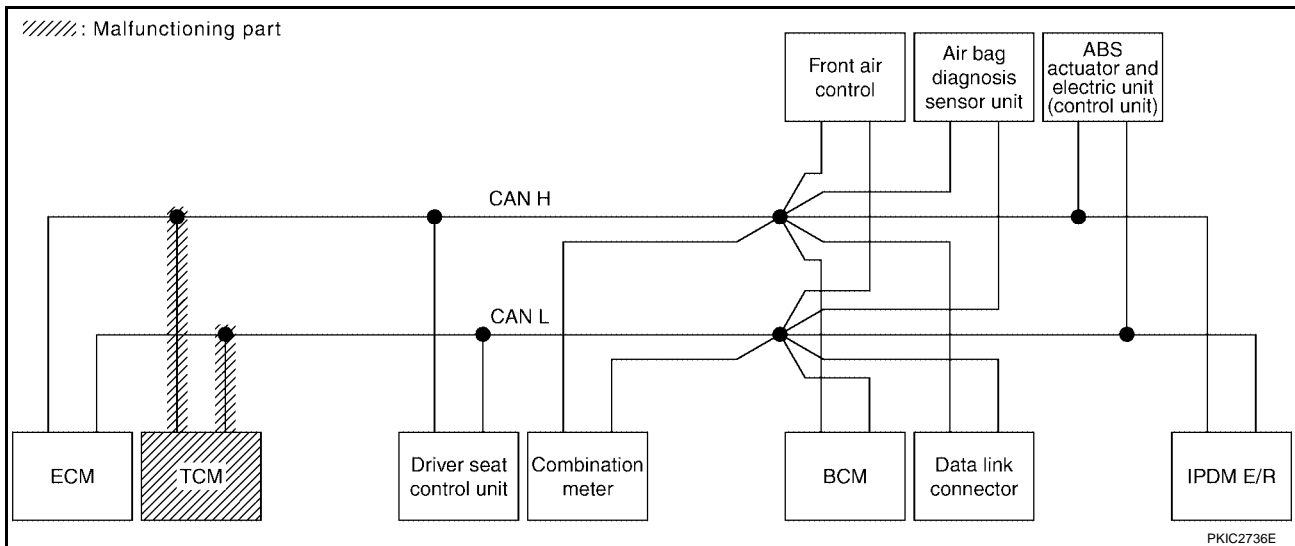
[CAN]

Case 5

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	—	—	UNKWN	—	UN KN ✓WN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUI (U1000)	CAN COMM CIRCUI (U1001)
A/T	—	NG	UNKWN	UN KN ✓WN	—	UN KN ✓WN	—	UN KN ✓WN	—	CAN COMM CIRCUI (U1000)	—
AUTO DRIVE POS.	No indication	—	—	—	UN KN ✓WN	UNKWN	UNKWN	—	—	CAN COMM CIRCUI (U1000)	—
BCM	No indication	NG	UNKWN	UNKWN	—	UNKWN	—	—	UNKWN	CAN COMM CIRCUI (U1000)	—
HVAC	No indication	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	—	—	—
ABS	—	NG	UNKWN	UNKWN	UN KN ✓WN	—	—	—	—	CAN COMM CIRCUI (U1000)	—
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	UNKWN	—	—	CAN COMM CIRCUI (U1000)	—

PKIC3217E

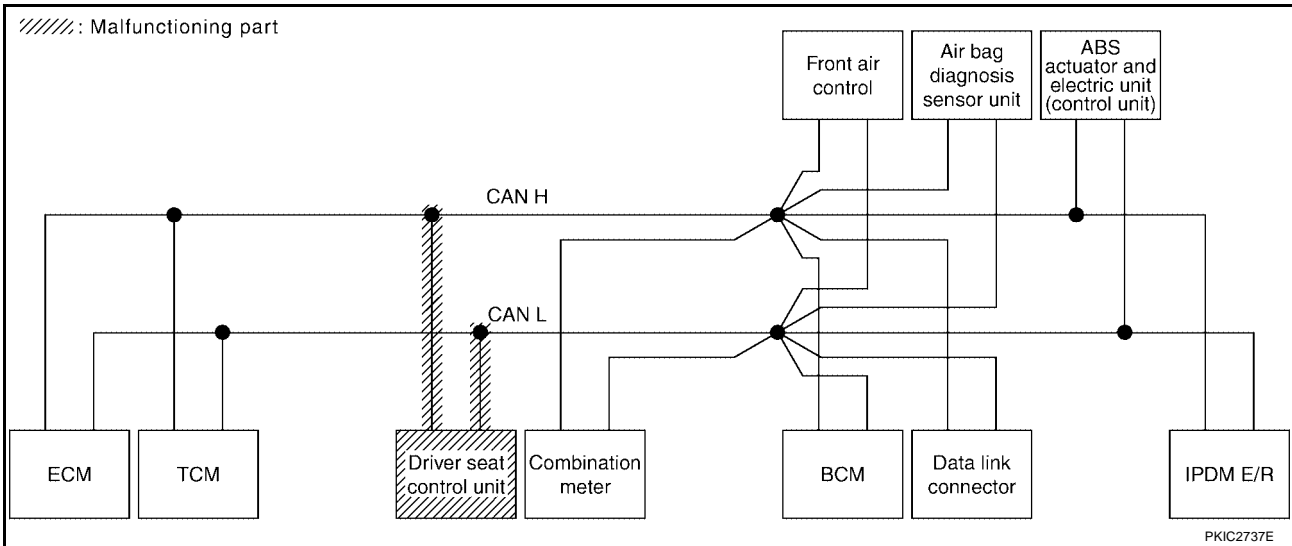


Case 6

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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)	—
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	—	UNKWN	UNKWN	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—

PKIC3218E



CAN SYSTEM (TYPE 3)

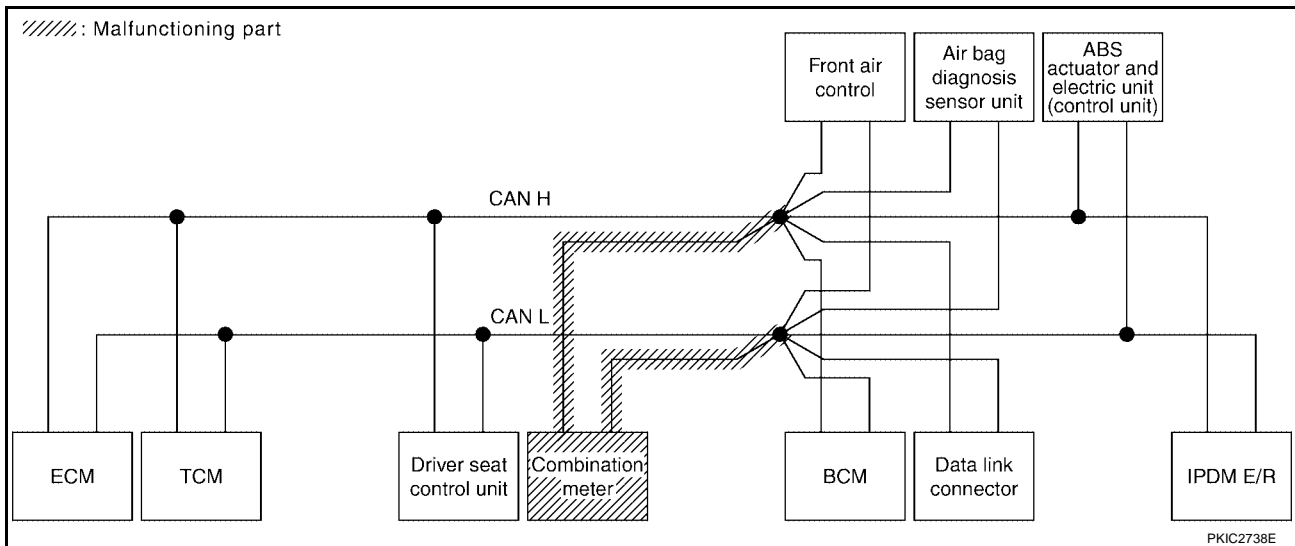
[CAN]

Case 7

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R		
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN ✓	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001) ✓
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 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)	—

PKIC3219E

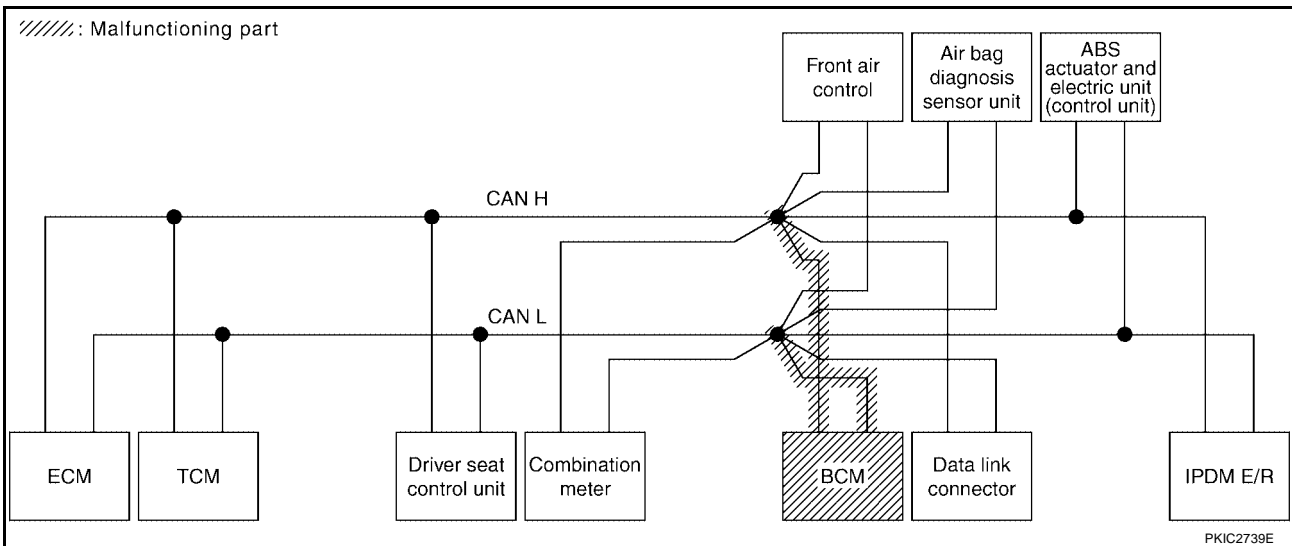


Case 8

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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)	—
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	—	UNKWN	UNKWN	—	—	UNKWN ✓	—	—	CAN COMM CIRCUIT (U1000)	—

PKIC3220E



CAN SYSTEM (TYPE 3)

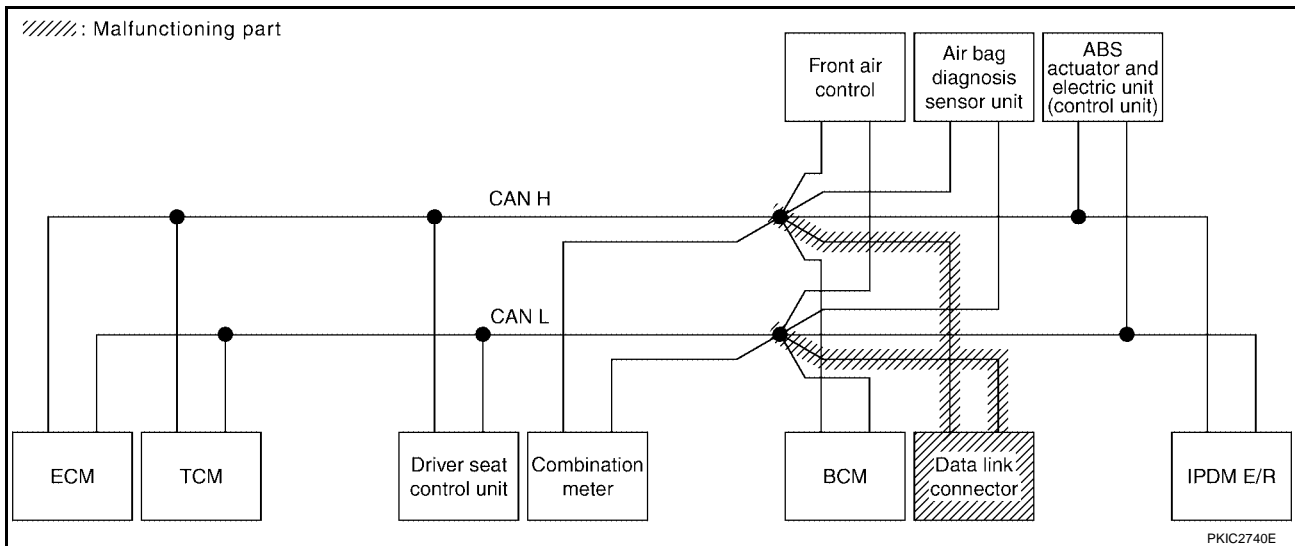
[CAN]

Case 9

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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)	—
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	—	UNKWN	UNKWN	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—

PKIC3221E



CAN SYSTEM (TYPE 3)

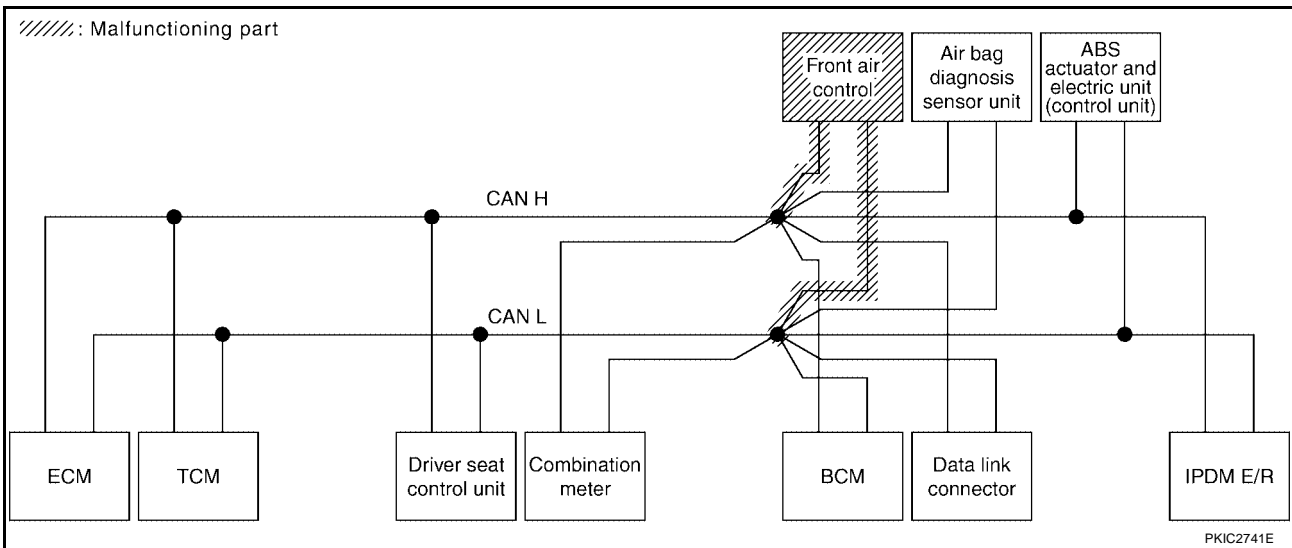
[CAN]

Case 10

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis							
				ECM	TCM	METER /M&A	BCM/SEC	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)	—
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	—	UNKWN	UNKWN	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—

PKIC3222E



CAN SYSTEM (TYPE 3)

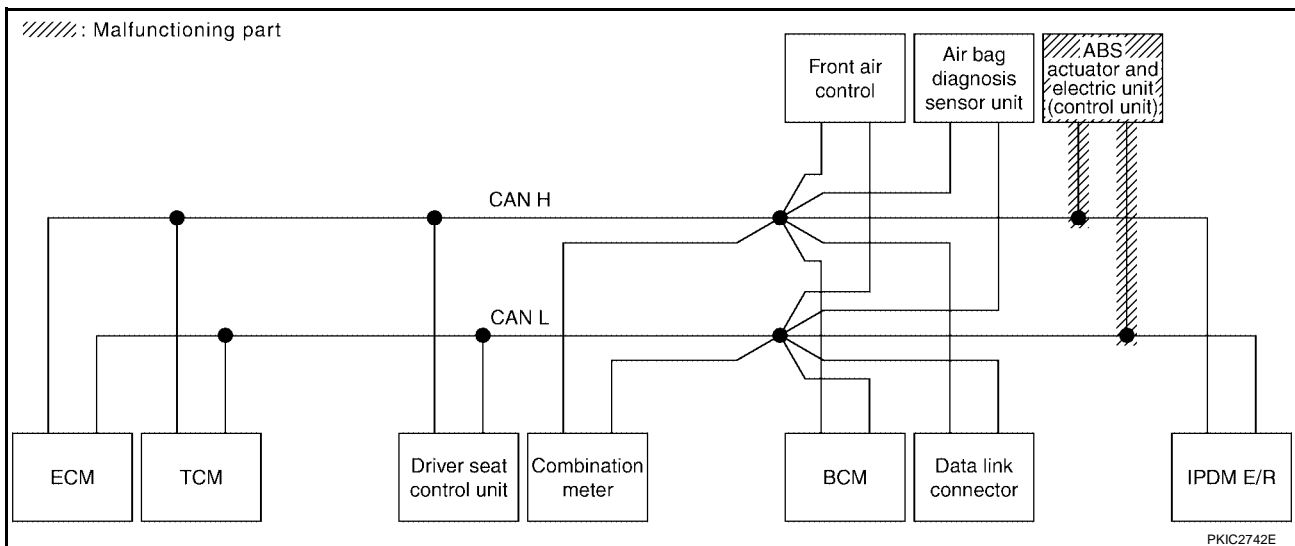
[CAN]

Case 11

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	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	-	-	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	-	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3223E



PKIC2742E

CAN SYSTEM (TYPE 3)

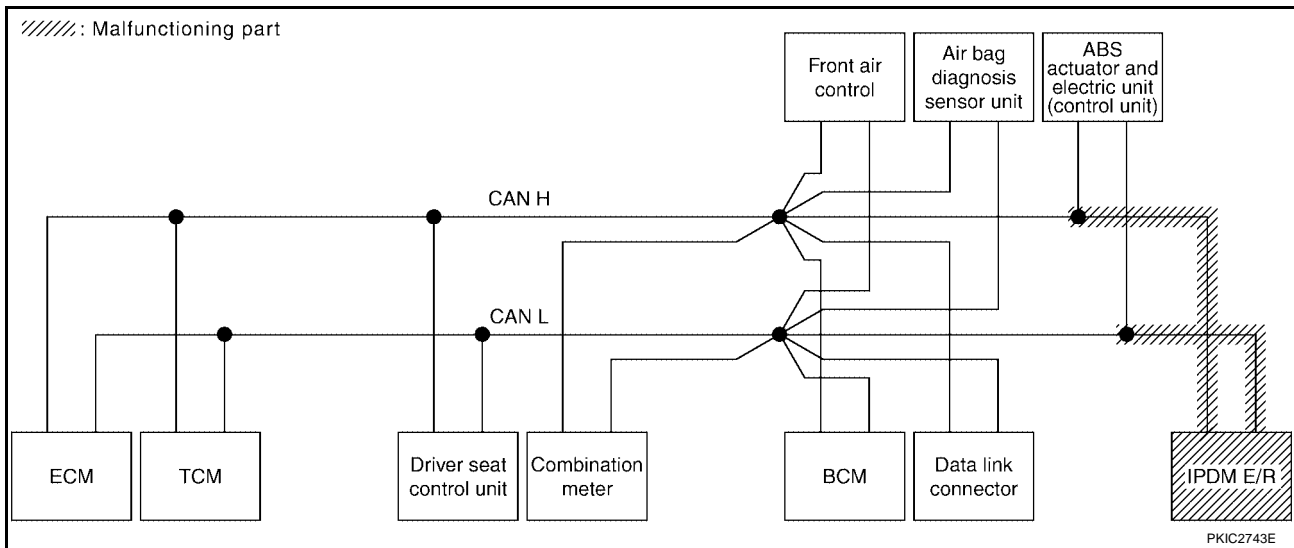
[CAN]

Case 12

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	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	--	--	CAN COMM CIRCUIT (U1000)	--
AUTO DRIVE POS.	No indication	--	--	--	UNKWN	UNKWN	UNKWN	--	--	--	CAN COMM CIRCUIT (U1000)	--
BCM	No indication	NG	UNKWN	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	--	UNKWN	UNKWN	--	--	UNKWN	--	--	--	CAN COMM CIRCUIT (U1000)	--

PKIC3224E



Case 13

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	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	--	--	CAN COMM CIRCUIT (U1000)	--
AUTO DRIVE POS.	No indication	--	--	--	UNKWN	UNKWN	UNKWN	--	--	--	CAN COMM CIRCUIT (U1000)	--
BCM	No indication	NG	UNKWN	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	--	UNKWN	UNKWN	--	--	UNKWN	--	--	--	CAN COMM CIRCUIT (U1000)	--

PKIC3225E

CAN SYSTEM (TYPE 3)

[CAN]

Case 14

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	VDC/TCS /ABS	IPDM E/R			
ENGINE	–	–	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) ✓	–
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	–	UNKWN	UNKWN	–	–	UNKWN	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3226E

Case 15

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR								SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	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 (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	–	–	–	–
ABS	–	NG	UNKWN	–	UNKWN	–	–	–	–	–	CAN COMM CIRCUIT (U1000) ✓	–
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	UNKWN	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3227E

CAN SYSTEM (TYPE 4)

[CAN]

CAN SYSTEM (TYPE 4)

PFP:23710

Component Parts and Harness Connector Location

UKS004MM

A

Refer to [LAN-25, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS004MN

B

Refer to [LAN-26, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004MO

C

Refer to [LAN-27, "Wiring Diagram — CAN —"](#) .

D

E

F

G

H

I

J

LAN

L

M

CAN SYSTEM (TYPE 4)

[CAN]

UKS004Q0

Check Sheet

NOTE:

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

Check sheet table												SELF-DIAG RESULTS	
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 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	-	-	-	-	-	-	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

Display control unit Translation Sheet: Rewrite the following names, and put a check mark on the above check sheet table.

Confirmation/Adjustment Display	Check sheet table Display	Confirmation/Adjustment Display	Check sheet table Display
CAN COMM	Initial diagnosis	CAN CIRC 5	METER/M&A
CAN CIRC 1	Transmit diagnosis	CAN CIRC 6	-
CAN CIRC 2	BCM	CAN CIRC 7	IPDM E/R
CAN CIRC 3	ECM	CAN CIRC 8	-
CAN CIRC 4	HVAC	CAN CIRC 9	-

Attach copy of
display control unit
CAN DIAG SUPPORT MONITOR check sheet

PKIC2940E

CAN SYSTEM (TYPE 4)

[CAN]

A
B
C
D
E
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G
H
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J
L
M

Attach copy of
ENGINE
SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
AUTO DRIVE POS.
SELF-DIAG RESULTS

Attach copy of
BCM
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

Attach copy of
IPDM E/R
SELF-DIAG RESULTS

Attach copy of
ENGINE
CAN DIAG SUPPORT
MNTR

Attach copy of
A/T
CAN DIAG SUPPORT
MNTR

Attach copy of
AUTO DRIVE POS.
CAN DIAG SUPPORT
MNTR

Attach copy of
BCM
CAN DIAG SUPPORT
MNTR

Attach copy of
HVAC
CAN DIAG SUPPORT
MNTR

Attach copy of
ABS
CAN DIAG SUPPORT
MNTR

Attach copy of
IPDM E/R
CAN DIAG SUPPORT
MNTR

LAN

PKIB6658E

CAN SYSTEM (TYPE 4)

[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

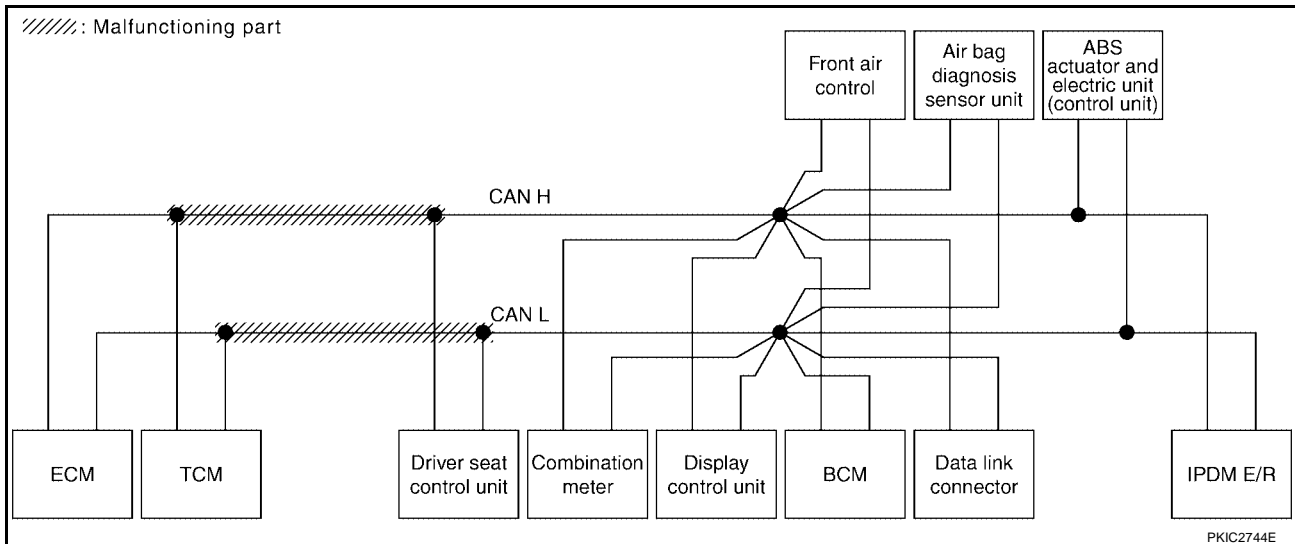
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	✓	-	UNKWN	-	UNKWN	✓	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U000)	-
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 (U000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U000)	-

PKIC3228E



PKIC2744E

CAN SYSTEM (TYPE 4)

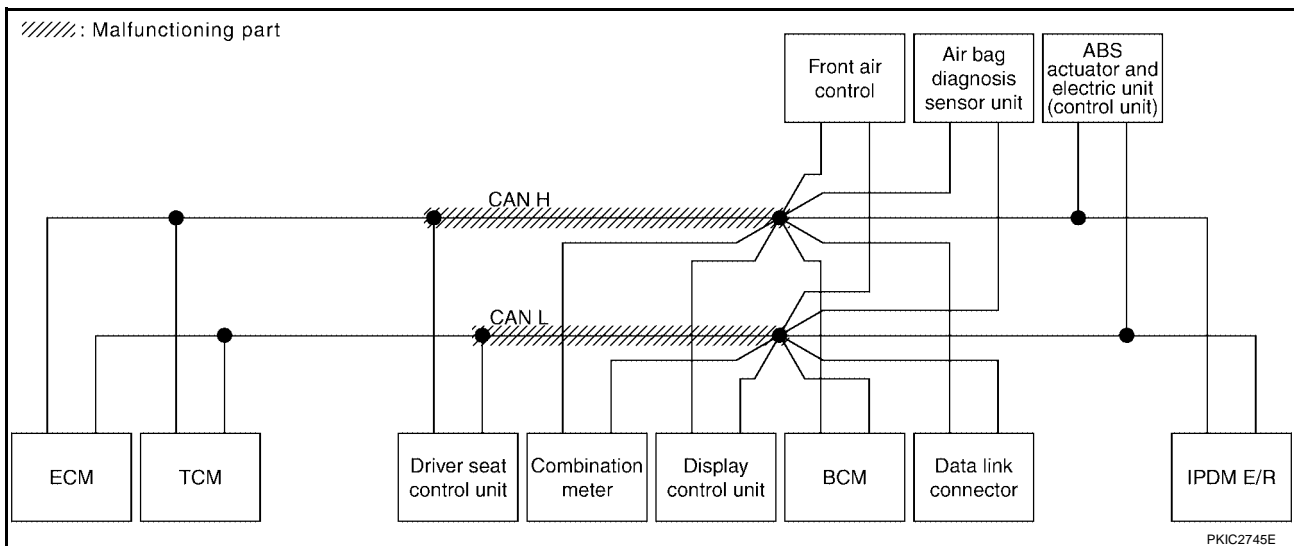
[CAN]

Case 2

Check harness between driver seat control unit and data link connector. Refer to [LAN-354, "Inspection Between Driver Seat Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	✓	-	✓	-	✓	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	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	-	-
BCM	No indication	NG	UNKWN	✓	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	✓	-	-	UNKWN	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	✓	✓	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	✓	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3229E



PKIC2745E

CAN SYSTEM (TYPE 4)

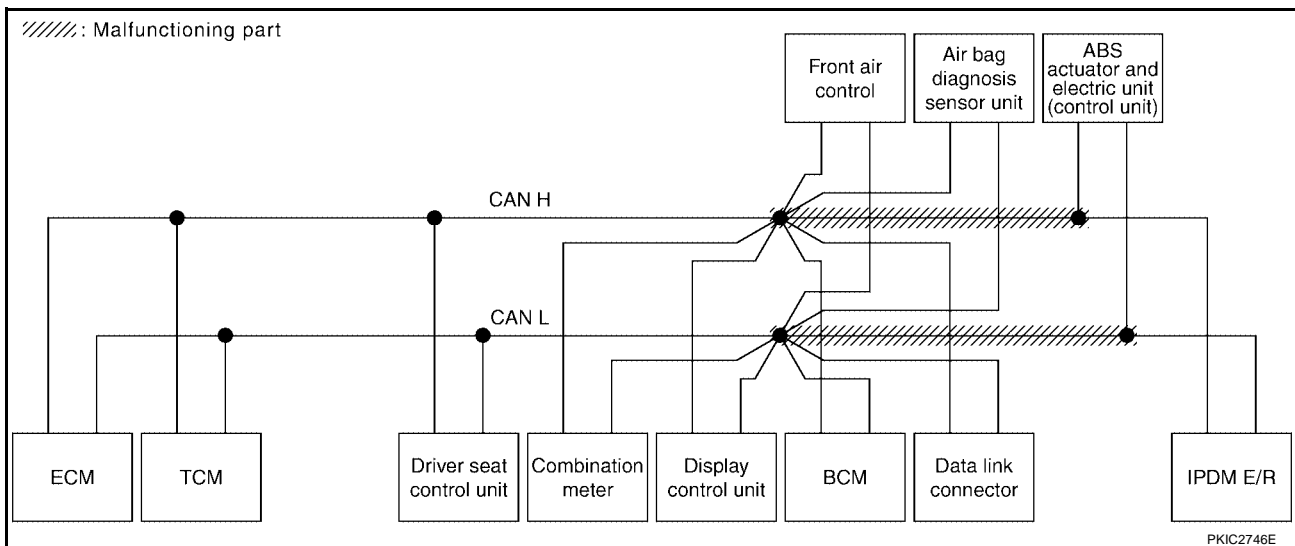
[CAN]

Case 3

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		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 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	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3230E



PKIC2746E

CAN SYSTEM (TYPE 4)

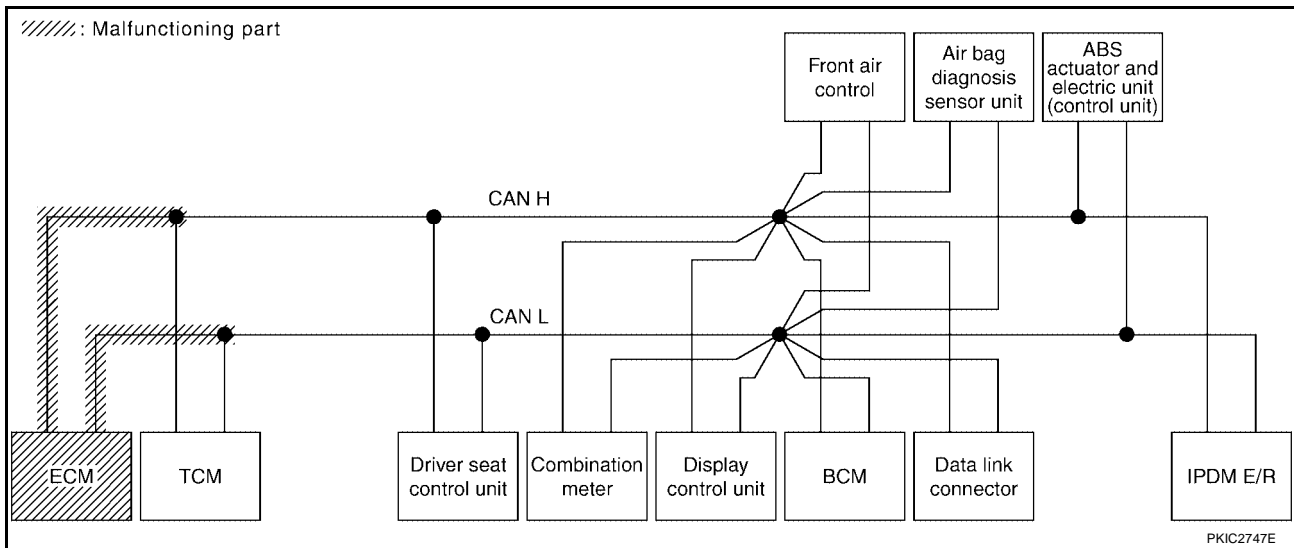
[CAN]

Case 4

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U000)	-
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 (U000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U000)	-

PKIC3231E



CAN SYSTEM (TYPE 4)

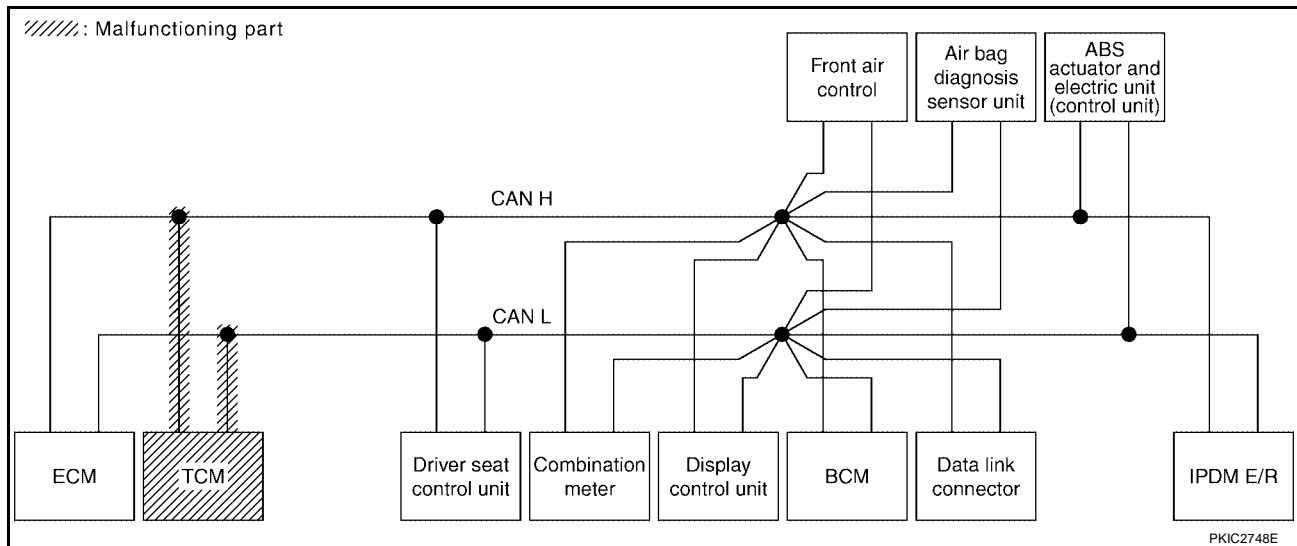
[CAN]

Case 5

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 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	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3232E



CAN SYSTEM (TYPE 4)

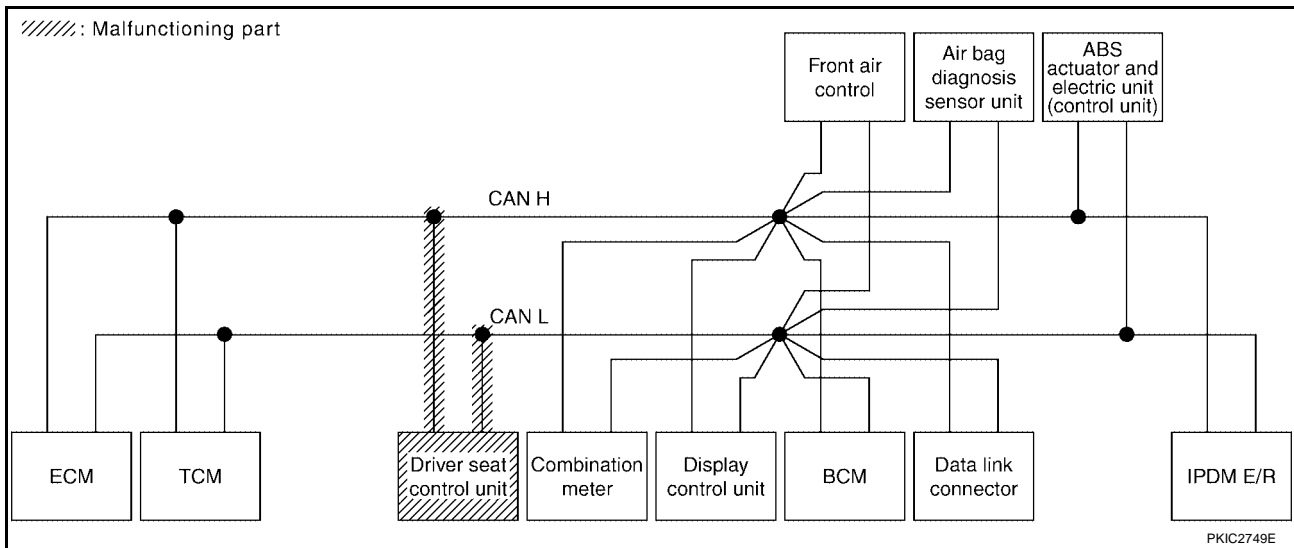
[CAN]

Case 6

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 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	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3233E



CAN SYSTEM (TYPE 4)

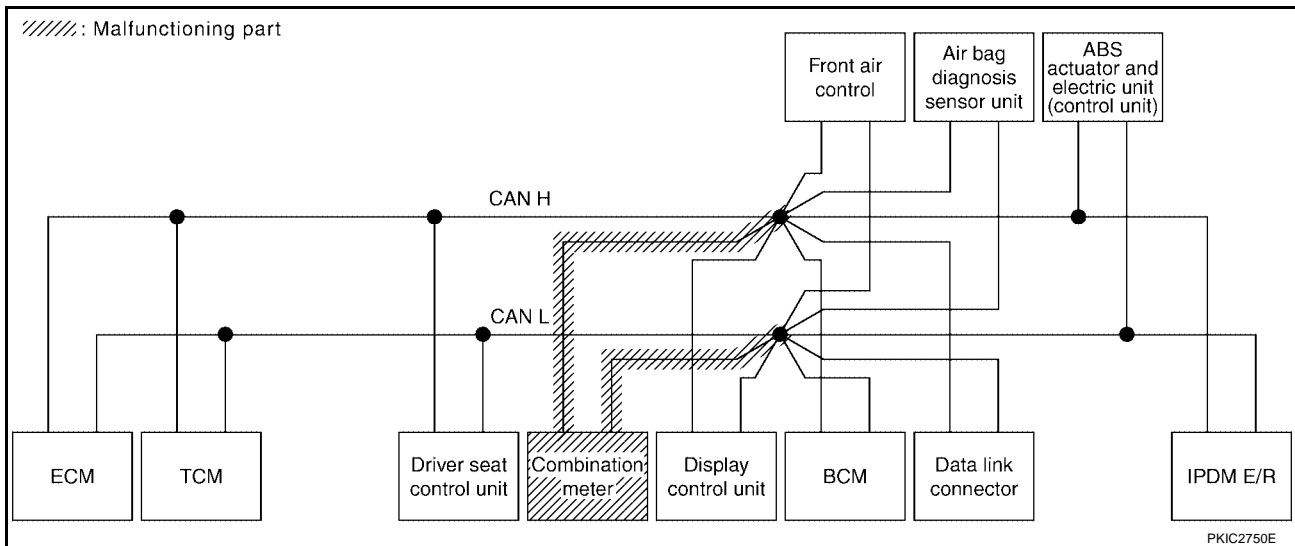
[CAN]

Case 7

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	✓	-	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	✓	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	✓	-	UNKWN	-	-	-	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	-	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 SYSTEM (TYPE 4)

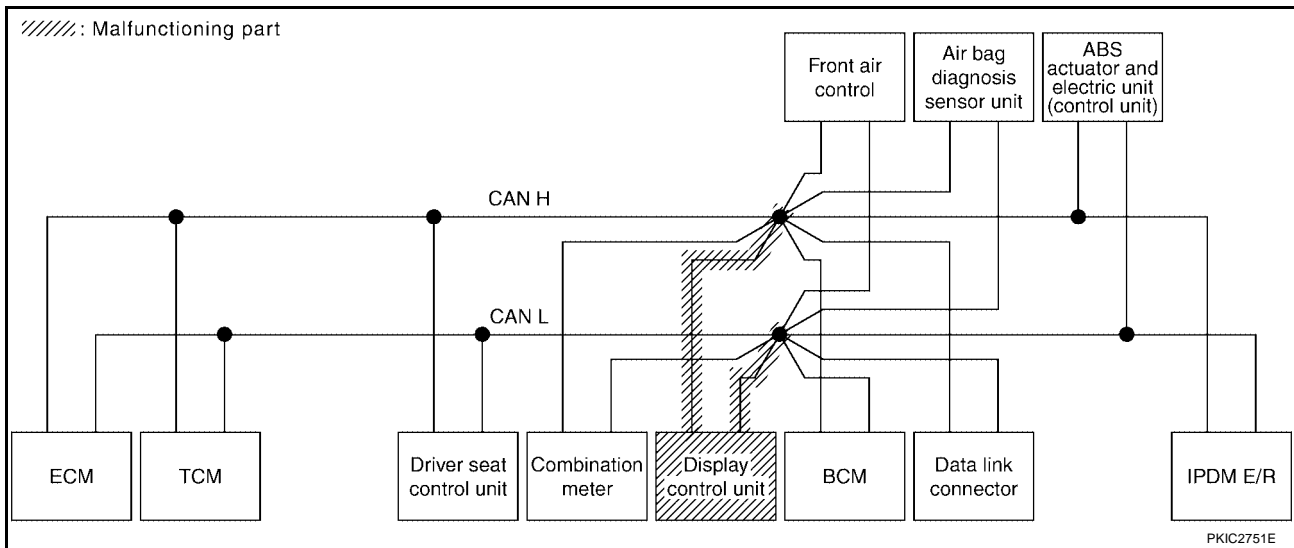
[CAN]

Case 8

Check display control unit circuit. Refer to [LAN-358, "Display Control Unit Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 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	UN ✓ KN	UN ✓ KN	-	UN ✓ KN	-	UN ✓ KN	UN ✓ KN	-	UN ✓ KN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UN ✓ KN	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3235E



CAN SYSTEM (TYPE 4)

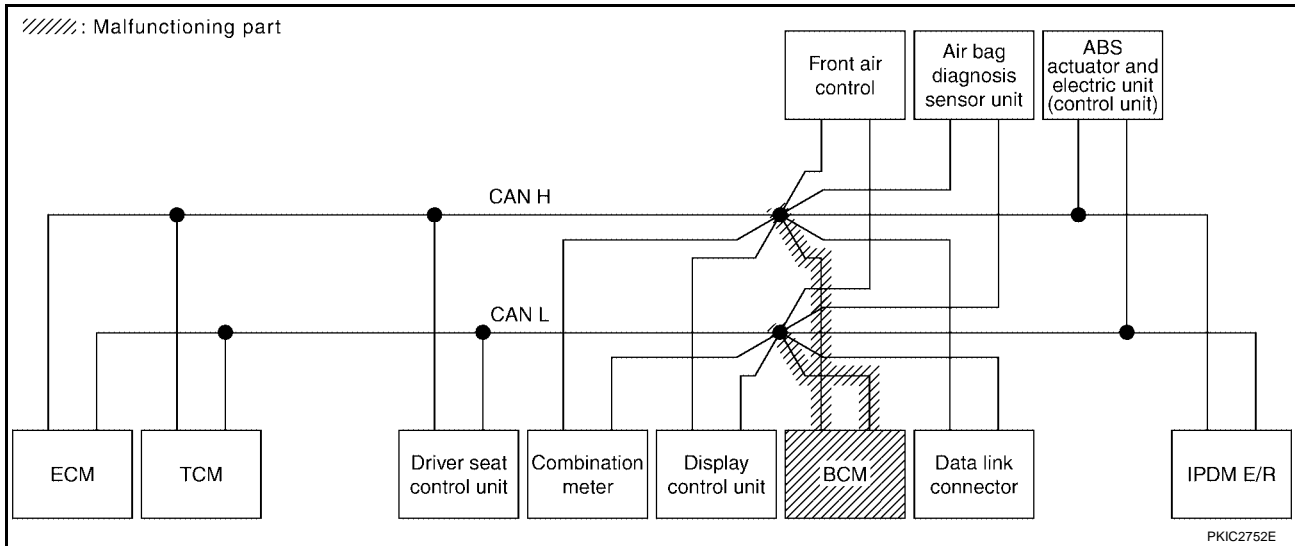
[CAN]

Case 9

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 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	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3236E



CAN SYSTEM (TYPE 4)

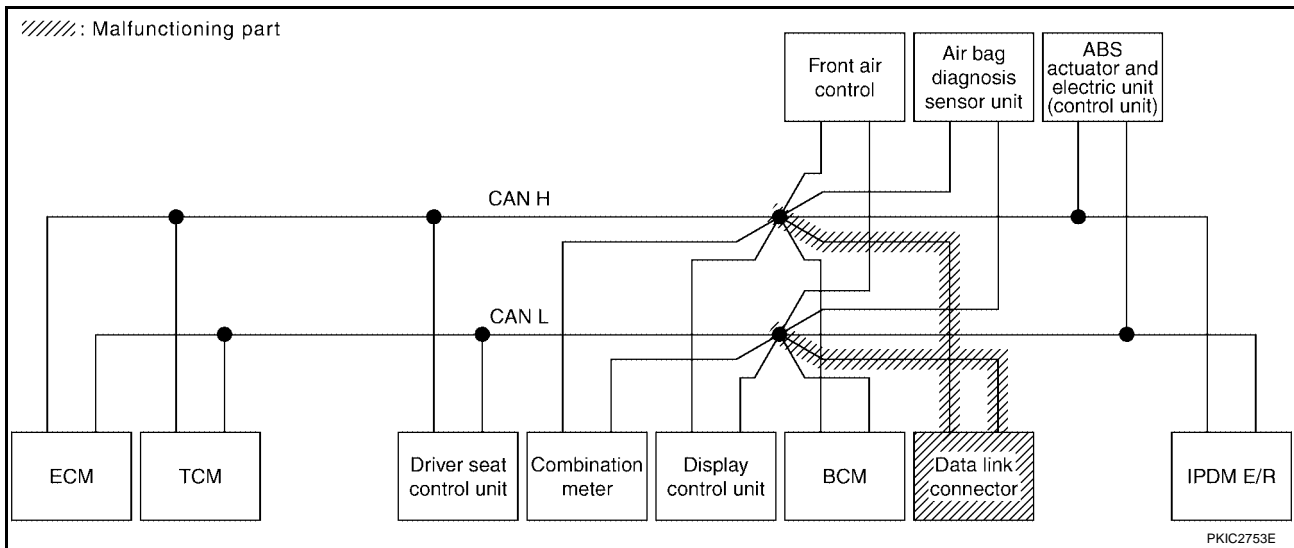
[CAN]

Case 10

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 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	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3237E



CAN SYSTEM (TYPE 4)

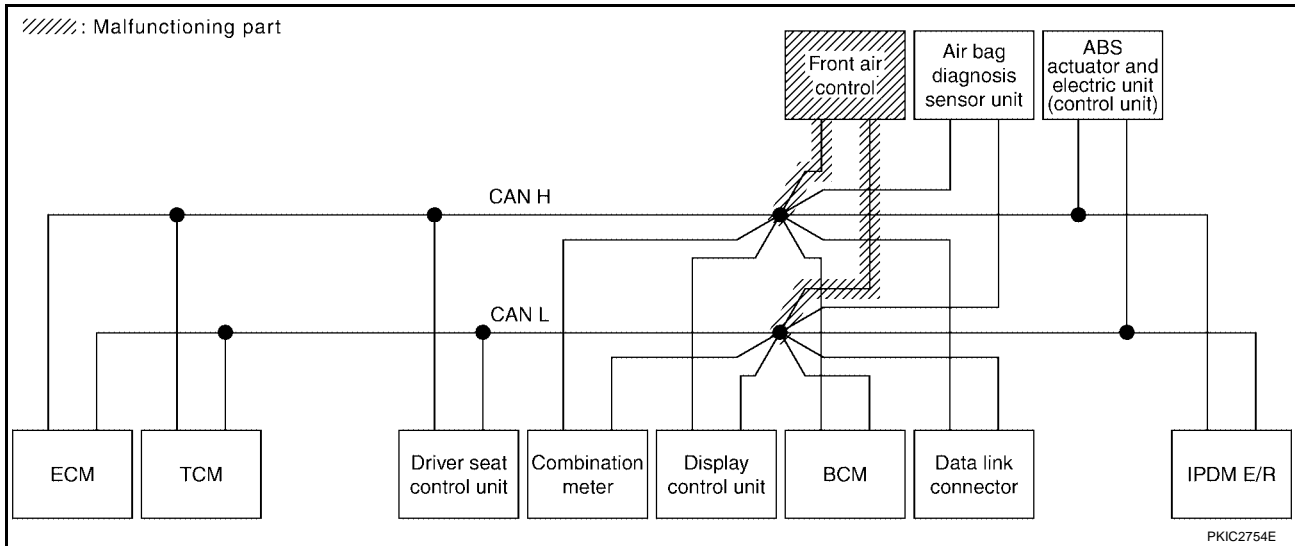
[CAN]

Case 11

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 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	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3238E



CAN SYSTEM (TYPE 4)

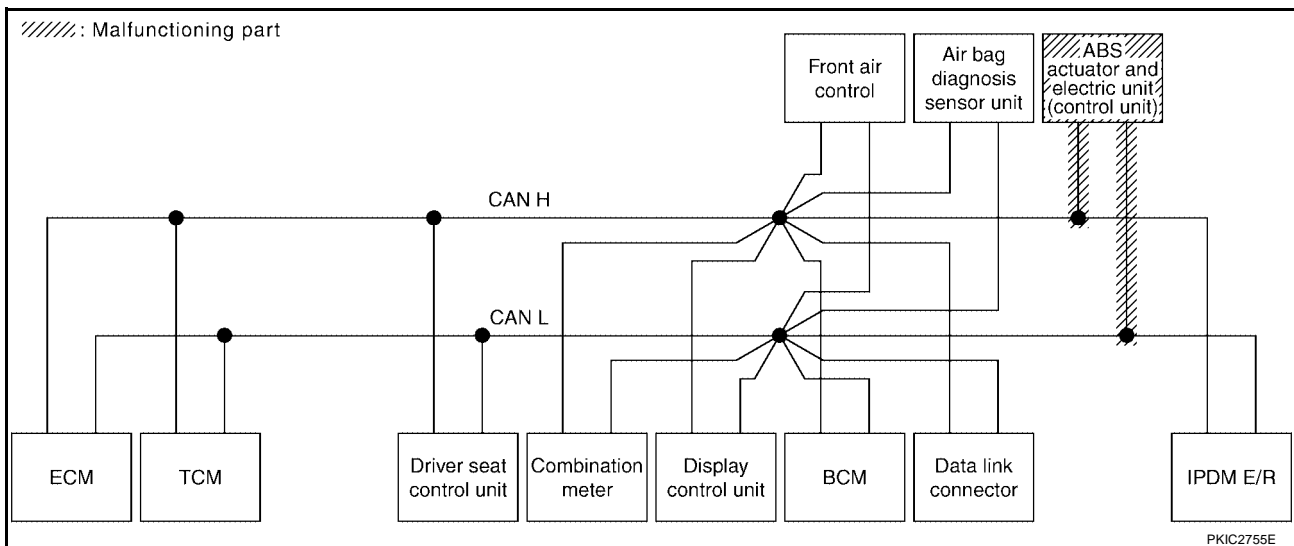
[CAN]

Case 12

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 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	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3239E



CAN SYSTEM (TYPE 4)

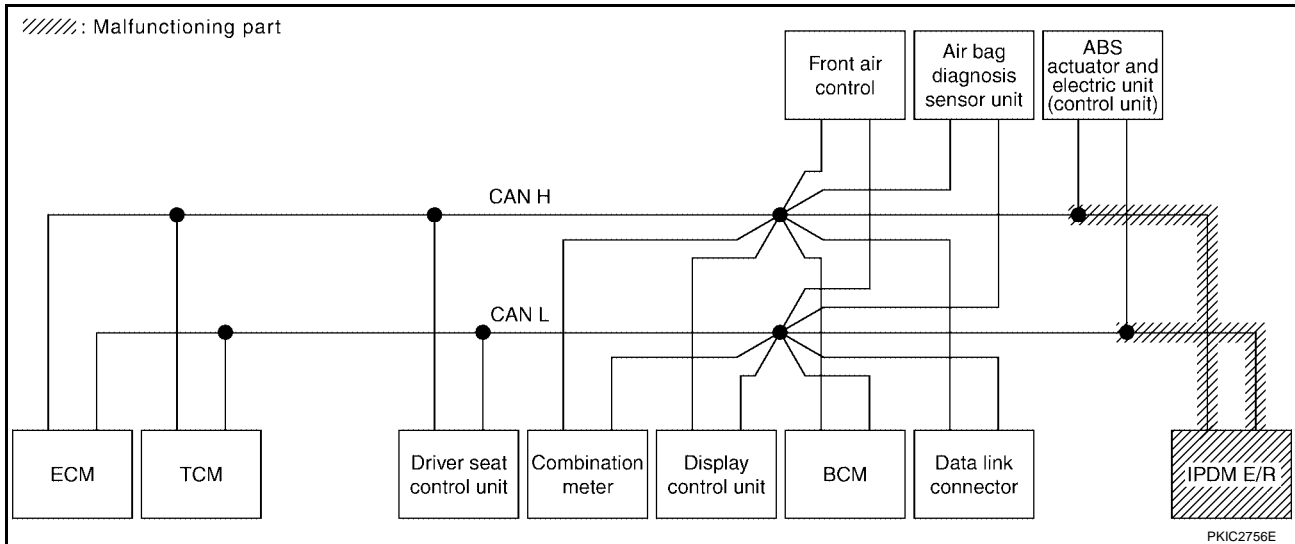
[CAN]

Case 13

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 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	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3240E



Case 14

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 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	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3241E

CAN SYSTEM (TYPE 4)

[CAN]

Case 15

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 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	–	–	–	–	–	–	CAN COMM CIRCUIT (U1000)	–
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	–	UNKWN	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3242E

Case 16

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 CIRCUIT (U1001)
A/T	–	NG	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	–	–	–	–	–	–	CAN COMM CIRCUIT (U1000)	–
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	–	UNKWN	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3243E

CAN SYSTEM (TYPE 5)

PF2P: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 —"](#) .

CAN SYSTEM (TYPE 5)

[CAN]

UKS004PZ

Check Sheet

NOTE:

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

Check sheet table												
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	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)	-

Symptoms :

Attach copy of
SELECT SYSTEM

Attach copy of
SELECT SYSTEM

A
B
C
D
E
F
G
H
I
J
L
M

LAN

PKIC2941E

CAN SYSTEM (TYPE 5)

[CAN]

Attach copy of
ENGINE
SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
BCM
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

Attach copy of
IPDM E/R
SELF-DIAG RESULTS

Attach copy of
ENGINE
CAN DIAG SUPPORT
MNTR

Attach copy of
A/T
CAN DIAG SUPPORT
MNTR

Attach copy of
BCM
CAN DIAG SUPPORT
MNTR

Attach copy of
HVAC
CAN DIAG SUPPORT
MNTR

Attach copy of
ABS
CAN DIAG SUPPORT
MNTR

Attach copy of
IPDM E/R
CAN DIAG SUPPORT
MNTR

PKIB6628E

CAN SYSTEM (TYPE 5)

[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

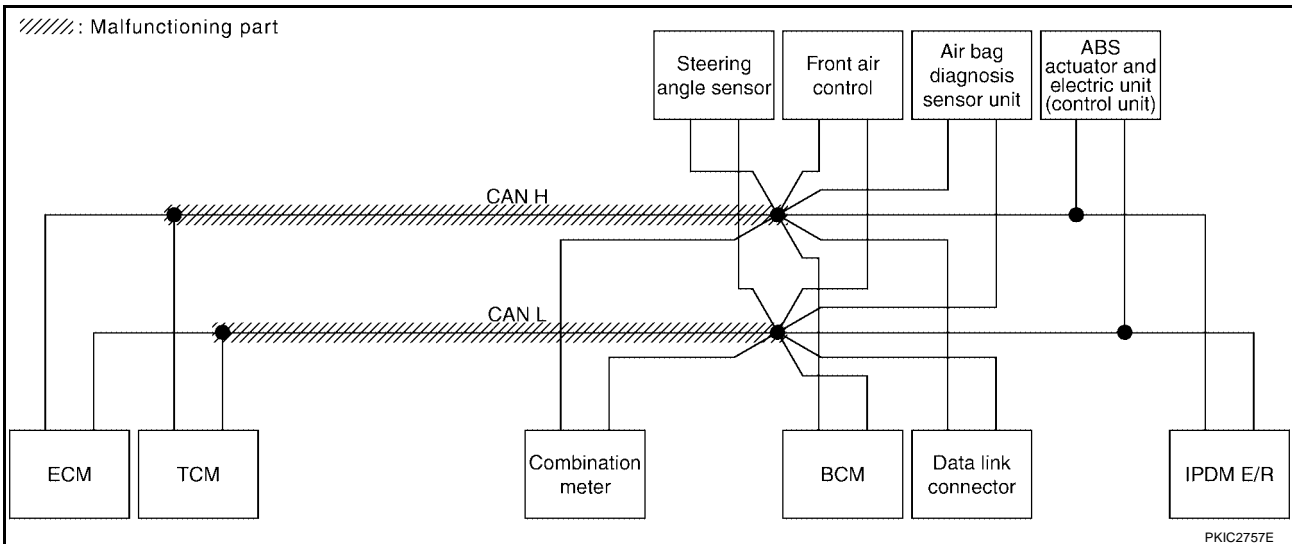
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and data link connector. Refer to [LAN-351, "Inspection Between TCM and Data Link Connector Circuit"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis						IPDM E/R		
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS			
ENGINE	-	-	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	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	✓	-	-	UNKWN	-	UNKWN	UNKWN	-	-
ABS	-	NG	UNKWN	✓	✓	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	✓	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3244E



PKIC2757E

CAN SYSTEM (TYPE 5)

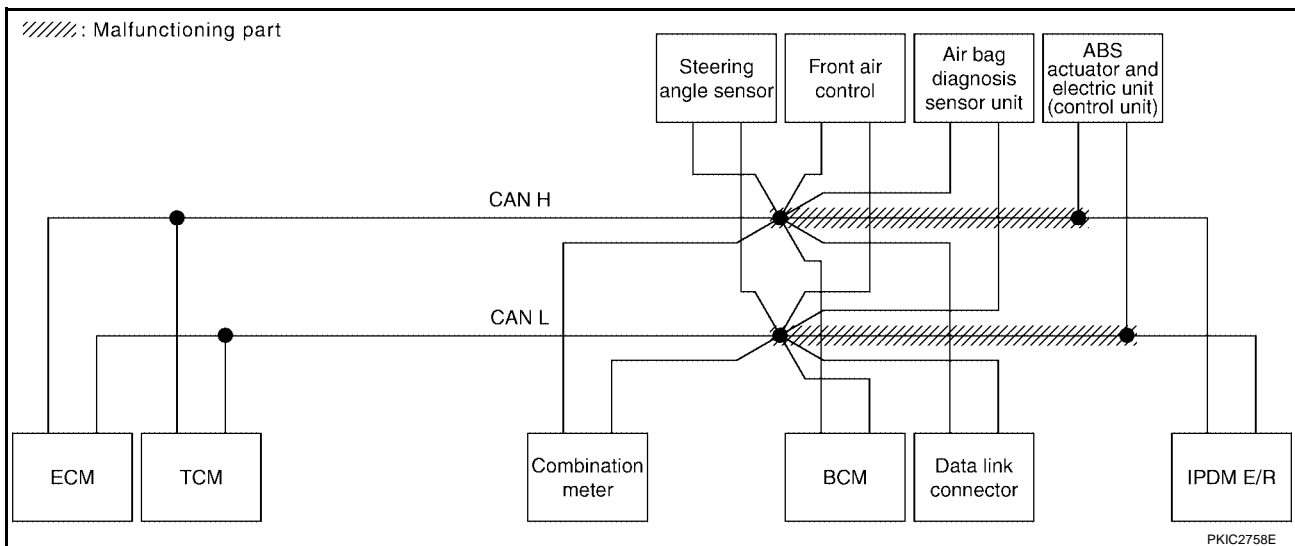
[CAN]

Case 2

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		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (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	-	-	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)	-

PKIC3245E



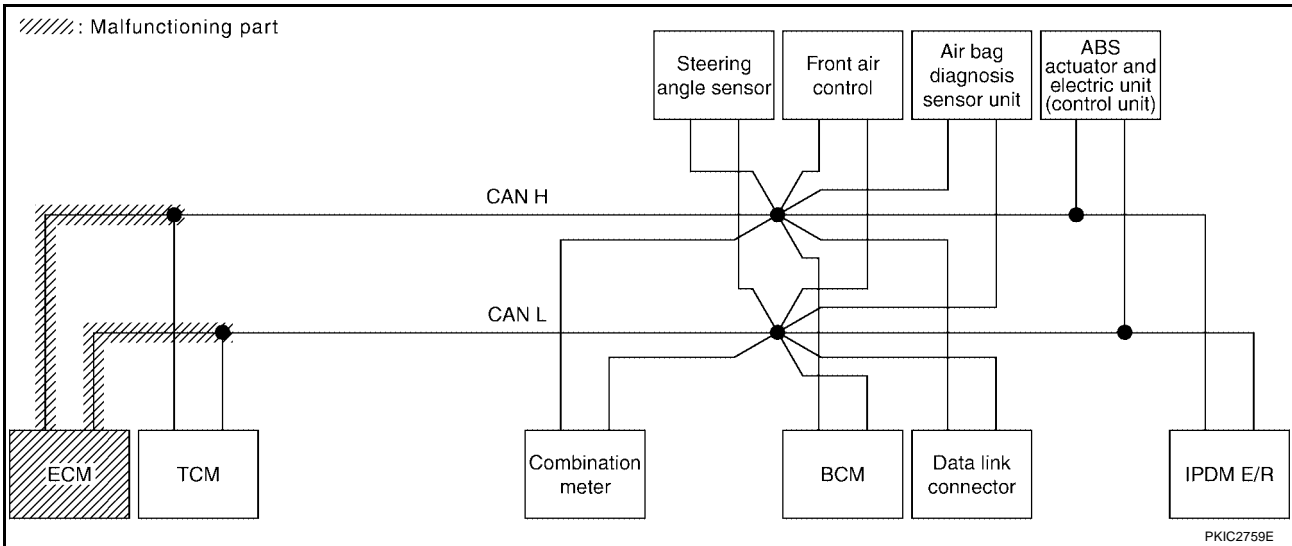
PKIC2758E

Case 3

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (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 ✓	-	-	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) ✓	-

PKIC3246E



CAN SYSTEM (TYPE 5)

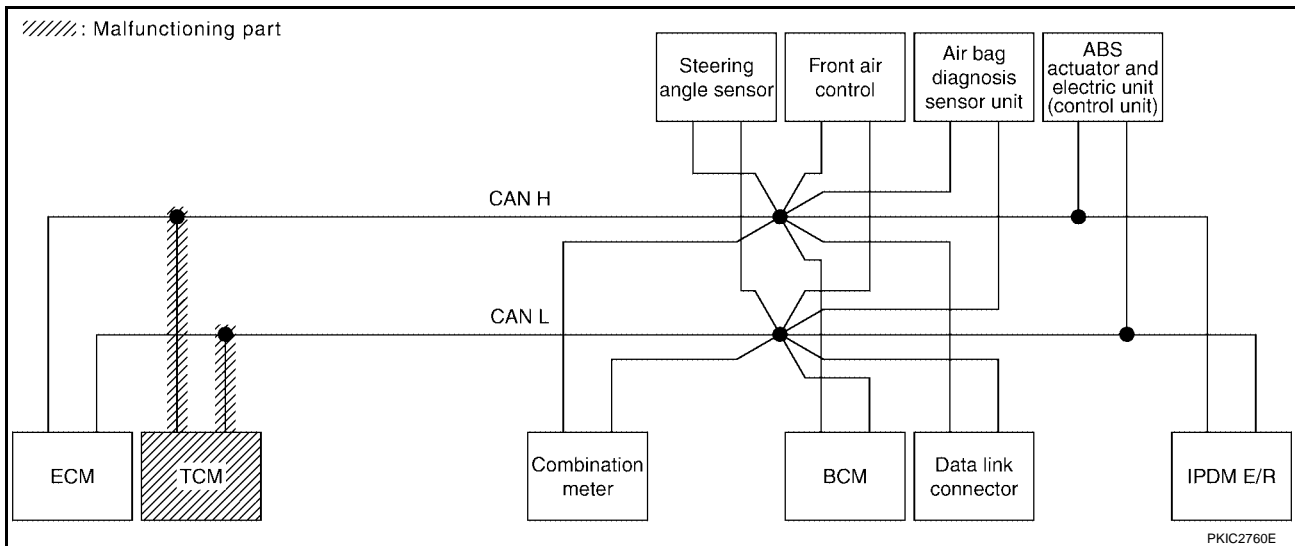
[CAN]

Case 4

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (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	-	-	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)	-

PKIC3247E



PKIC2760E

CAN SYSTEM (TYPE 5)

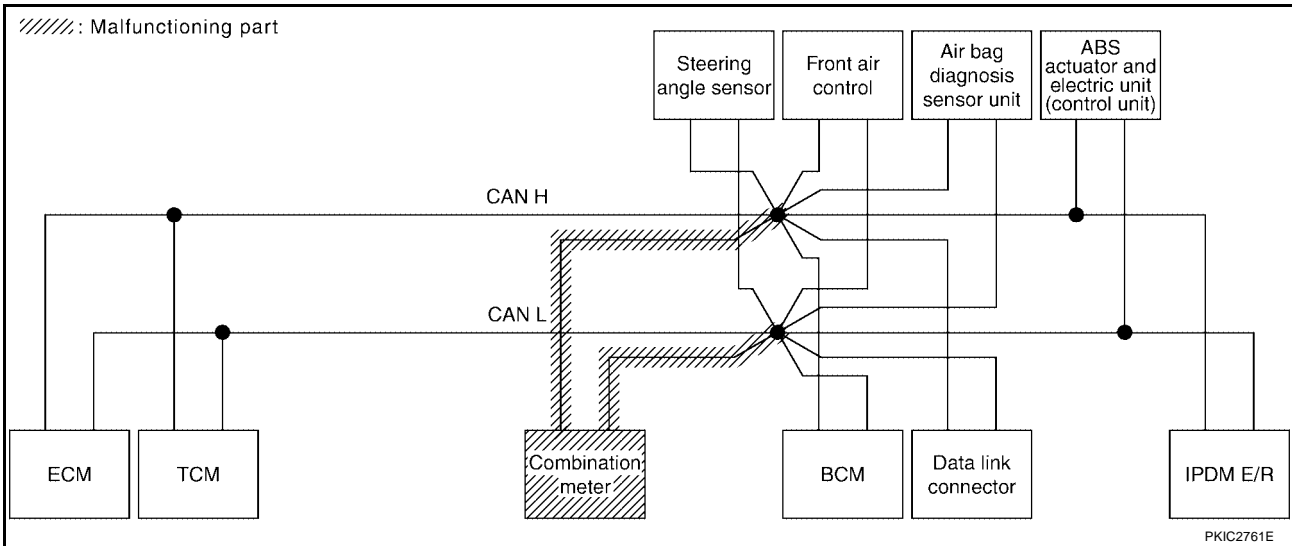
[CAN]

Case 5

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis						IPDM E/R		
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS			
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN ✓	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001) ✓
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)	-

PKIC3248E



CAN SYSTEM (TYPE 5)

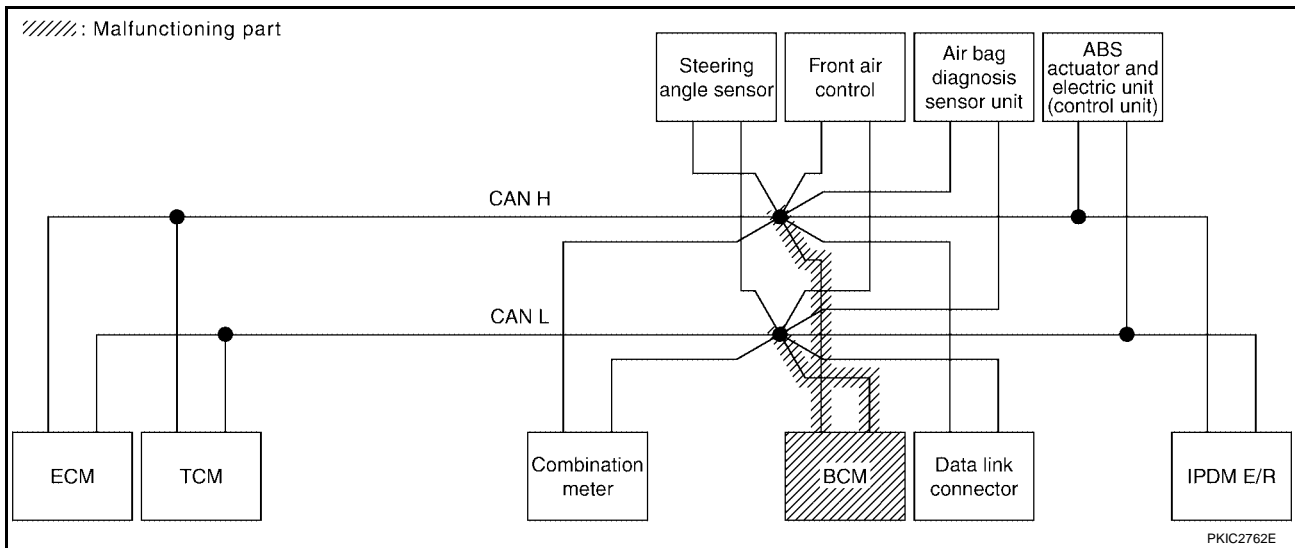
[CAN]

Case 6

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (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	-	-	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)	-

PKIC3249E



CAN SYSTEM (TYPE 5)

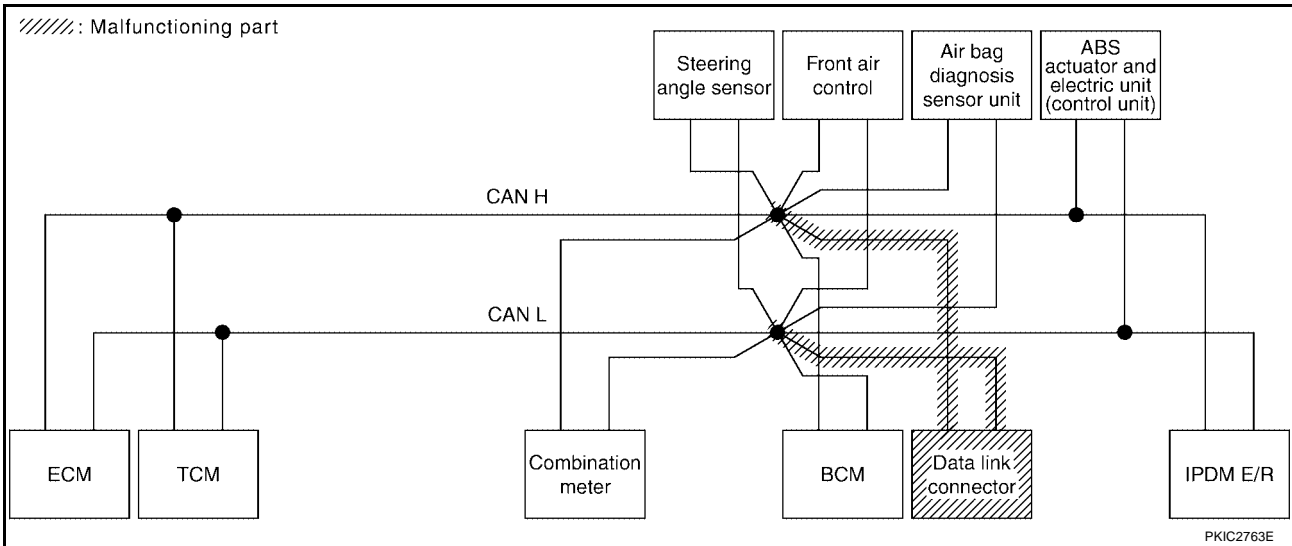
[CAN]

Case 7

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis						IPDM E/R		
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS			
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)	-
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)	-

PKIC3250E



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CAN SYSTEM (TYPE 5)

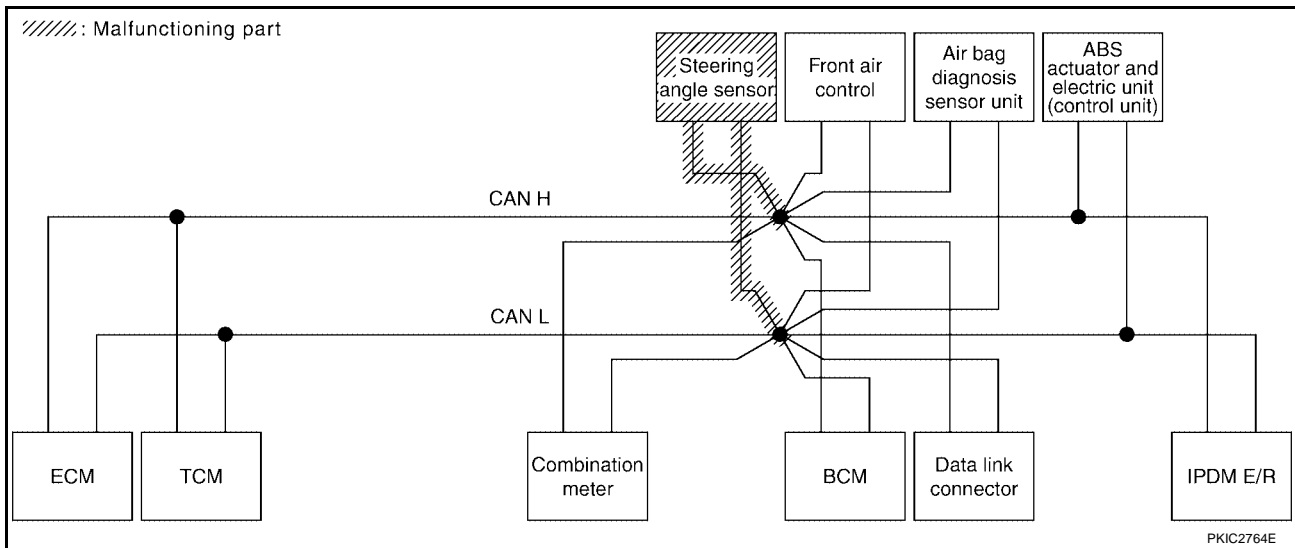
[CAN]

Case 8

Check steering angle sensor circuit. Refer to [LAN-360, "Steering Angle Sensor Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (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	-	-	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



CAN SYSTEM (TYPE 5)

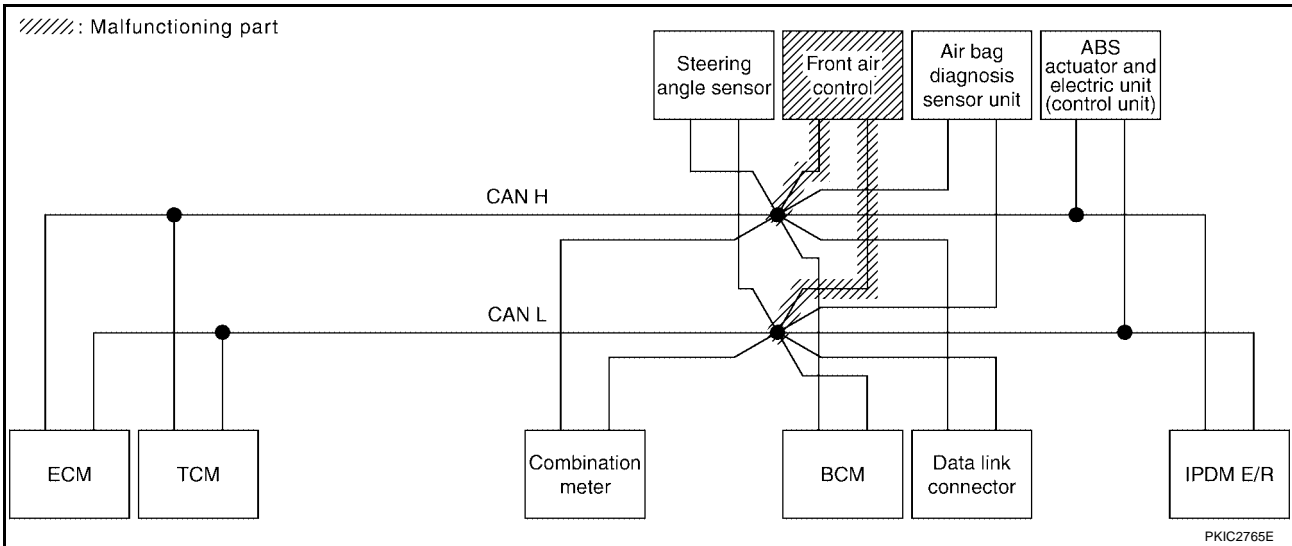
[CAN]

Case 9

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (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	—	—	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)	—

PKIC3252E



CAN SYSTEM (TYPE 5)

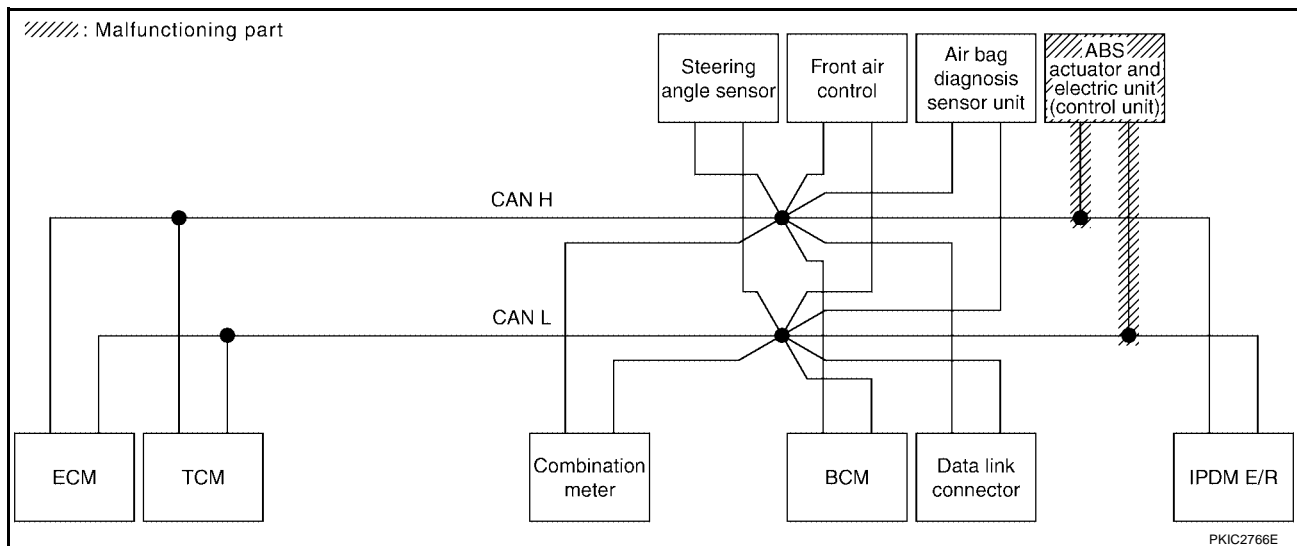
[CAN]

Case 10

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (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	-	-	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)	-

PKIC3253E



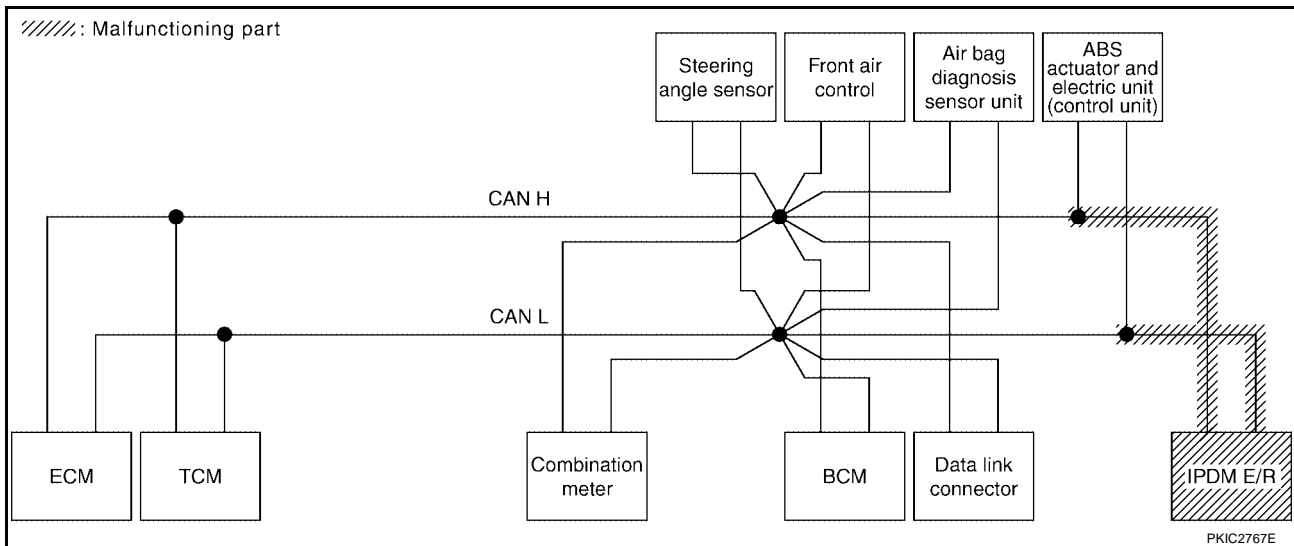
PKIC2766E

Case 11

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis						IPDM E/R		
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS			
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)	-
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)	-

PKIC3254E



Case 12

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis						IPDM E/R		
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS			
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)	-
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)	-

PKIC3255E

CAN SYSTEM (TYPE 5)

[CAN]

Case 13

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	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)	-
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)	-

PKIC3256E

Case 14

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (U1001)
A/T	-	NG	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	-	-	-	-	-	CAN COMM CIRCUIT (U1000) ✓	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3257E

CAN SYSTEM (TYPE 6)

[CAN]

CAN SYSTEM (TYPE 6)

PF2:23710

Component Parts and Harness Connector Location

UKS004MU

A

Refer to [LAN-25, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS004MV

B

Refer to [LAN-26, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004MW

C

Refer to [LAN-27, "Wiring Diagram — CAN —"](#) .

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CAN SYSTEM (TYPE 6)

[CAN]

UKS004PY

Check Sheet

NOTE:

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

Check sheet table												
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (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 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)	-

Symptoms :

Attach copy of
SELECT SYSTEM

Attach copy of
SELECT SYSTEM

PKIC2942E

CAN SYSTEM (TYPE 6)

[CAN]

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Attach copy of
ENGINE
SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
AUTO DRIVE POS.
SELF-DIAG RESULTS

Attach copy of
BCM
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

Attach copy of
IPDM E/R
SELF-DIAG RESULTS

Attach copy of
ENGINE
CAN DIAG SUPPORT
MNTR

Attach copy of
A/T
CAN DIAG SUPPORT
MNTR

Attach copy of
AUTO DRIVE POS.
CAN DIAG SUPPORT
MNTR

Attach copy of
BCM
CAN DIAG SUPPORT
MNTR

Attach copy of
HVAC
CAN DIAG SUPPORT
MNTR

Attach copy of
ABS
CAN DIAG SUPPORT
MNTR

Attach copy of
IPDM E/R
CAN DIAG SUPPORT
MNTR

LAN

PKIB6658E

CAN SYSTEM (TYPE 6)

[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

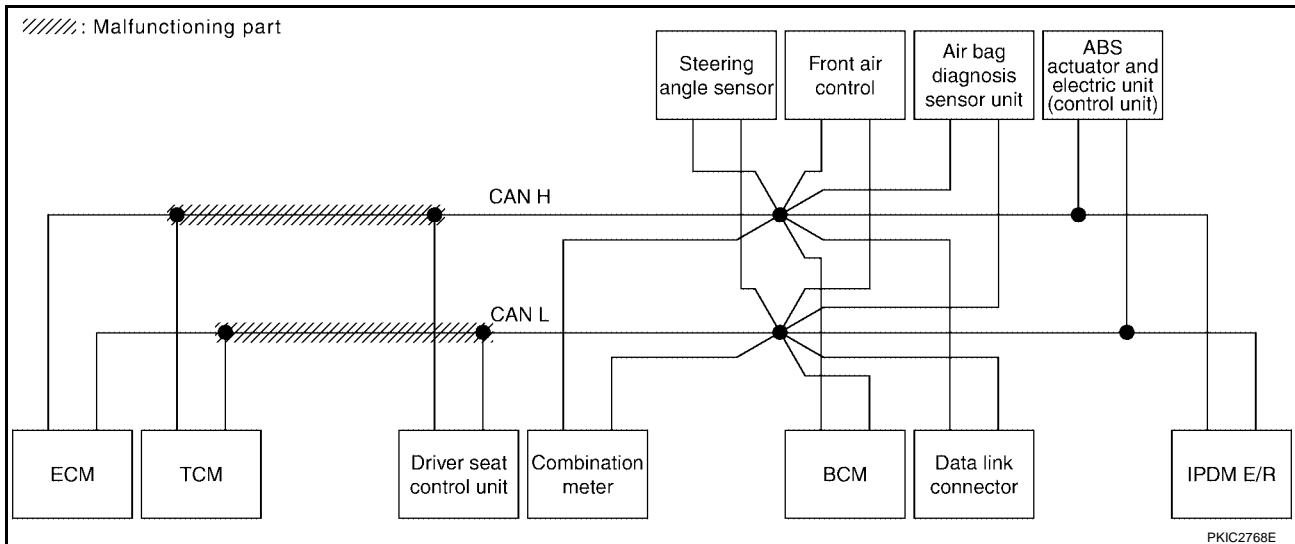
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		
ENGINE	–	–	UNKWN	–	UNKWN	✓	✓	–	✓	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001) ✓
A/T	–	NG	UNKWN	UNKWN	–	✓	–	–	✓	–	CAN COMM CIRCUIT (U000) ✓	–
AUTO DRIVE POS.	No indication	–	–	–	✓	UNKWN	UNKWN	–	–	–	CAN COMM CIRCUIT (U000) ✓	–
BCM	No indication	NG	UNKWN	✓	–	UNKWN	–	–	–	UNKWN	CAN COMM CIRCUIT (U1000)	–
HVAC	No indication	–	UNKWN	✓	–	–	UNKWN	–	UNKWN	–	–	–
ABS	–	NG	UNKWN	✓	✓	–	–	UNKWN	–	–	CAN COMM CIRCUIT (U000) ✓	–
IPDM E/R	No indication	–	UNKWN	✓	–	–	UNKWN	–	–	–	CAN COMM CIRCUIT (U000) ✓	–

PKIC3258E



PKIC2768E

CAN SYSTEM (TYPE 6)

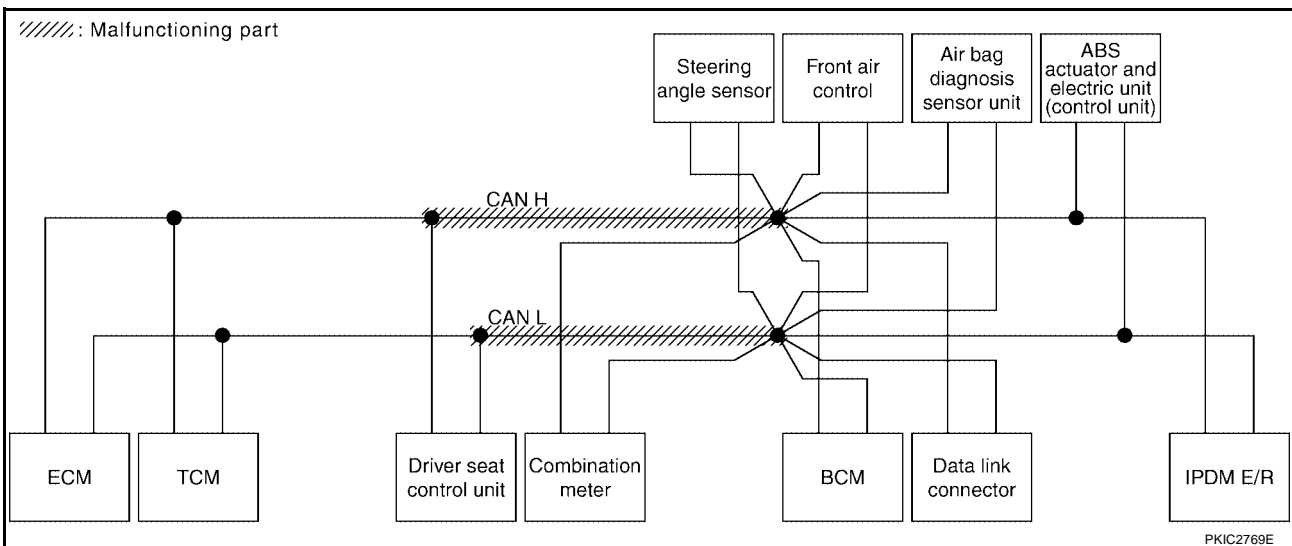
[CAN]

Case 2

Check harness between driver seat control unit and data link connector. Refer to [LAN-354, "Inspection Between Driver Seat Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis						IPDM E/R		
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS			
ENGINE	-	-	UNKWN	-	UNKWN	✓	✓	-	UNKWN	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	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	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	✓	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	NG	UNKWN	✓	✓	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	✓	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3259E



CAN SYSTEM (TYPE 6)

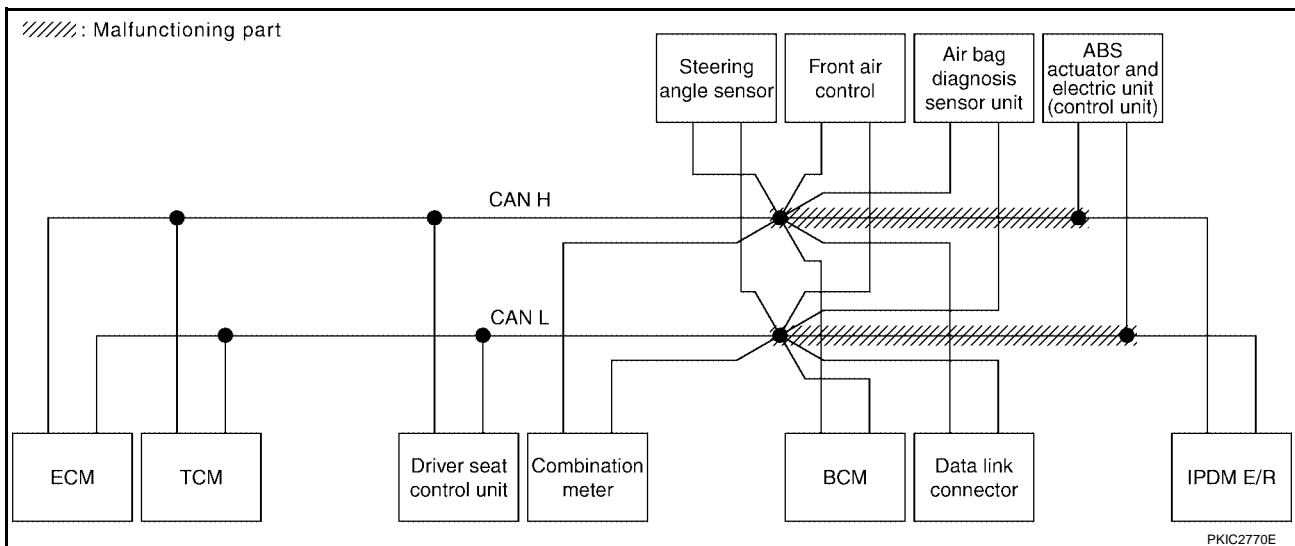
[CAN]

Case 3

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		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (U001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U000)	-
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 (U000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U000)	-

PKIC3260E



PKIC2770E

CAN SYSTEM (TYPE 6)

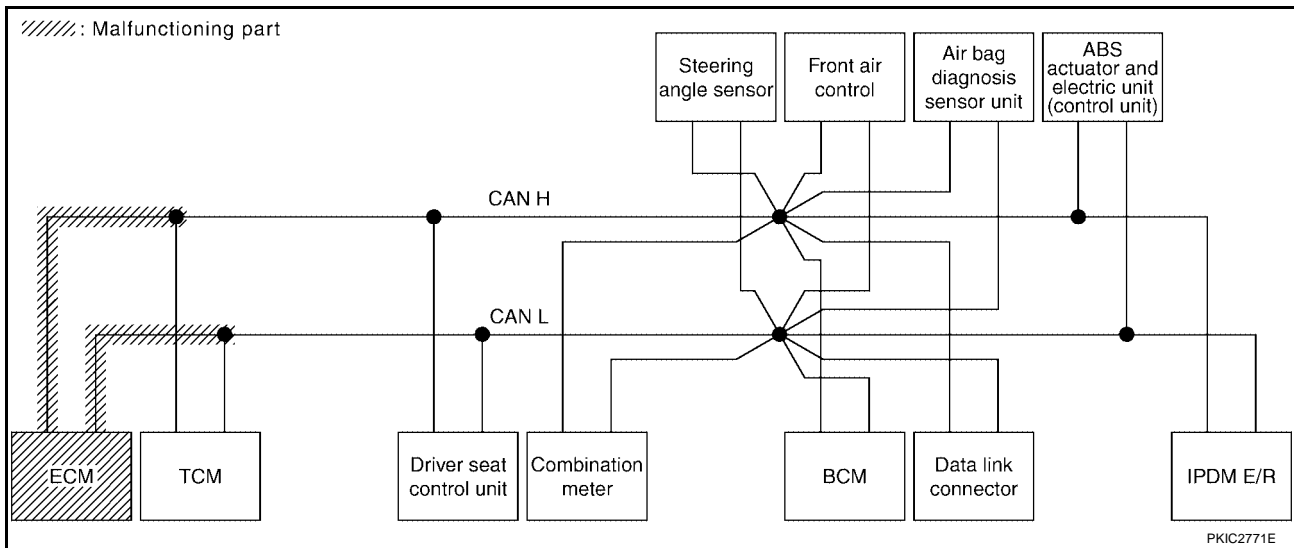
[CAN]

Case 4

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis						IPDM E/R		
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS			
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)	-
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) ✓	-

PKIC3261E



CAN SYSTEM (TYPE 6)

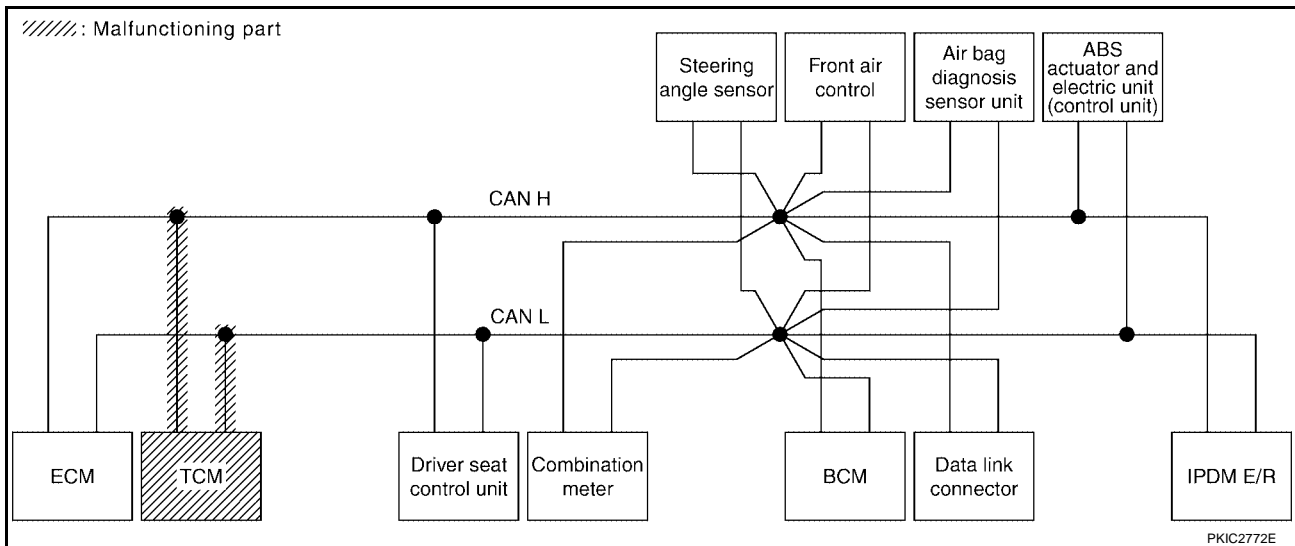
[CAN]

Case 5

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UN ✓ KN	UNKWN	UNKWN	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UN ✓ KN	-	UN ✓ KN	-	-	UN ✓ KN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UN ✓ KN	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	UN ✓ KN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3262E



CAN SYSTEM (TYPE 6)

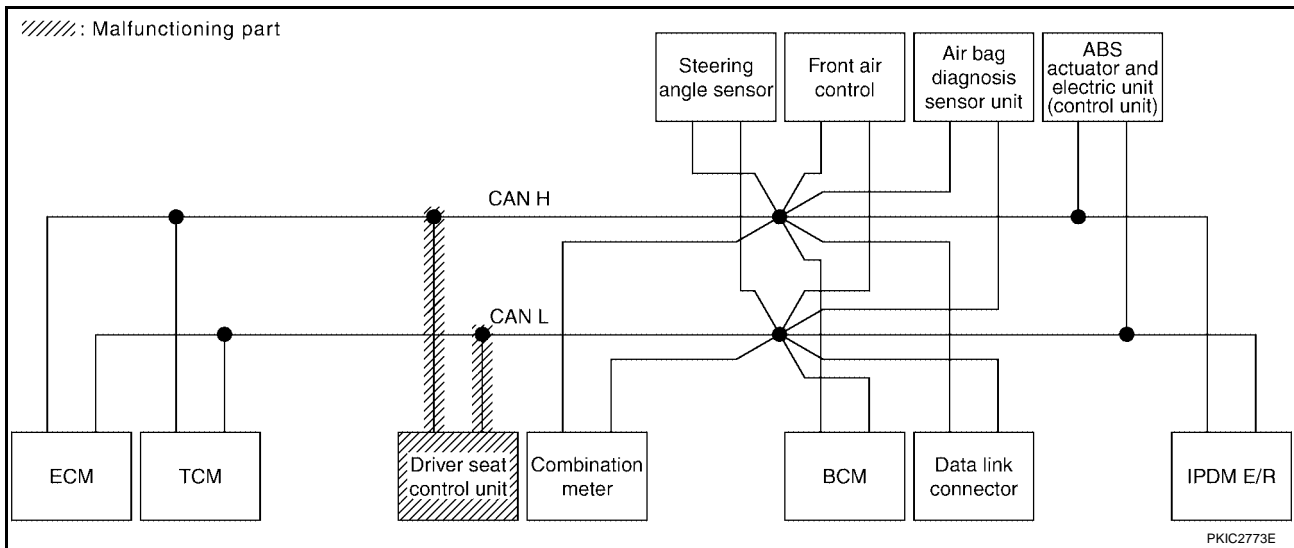
[CAN]

Case 6

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis						IPDM E/R		
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS			
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)	-
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)	-

PKIC3263E



CAN SYSTEM (TYPE 6)

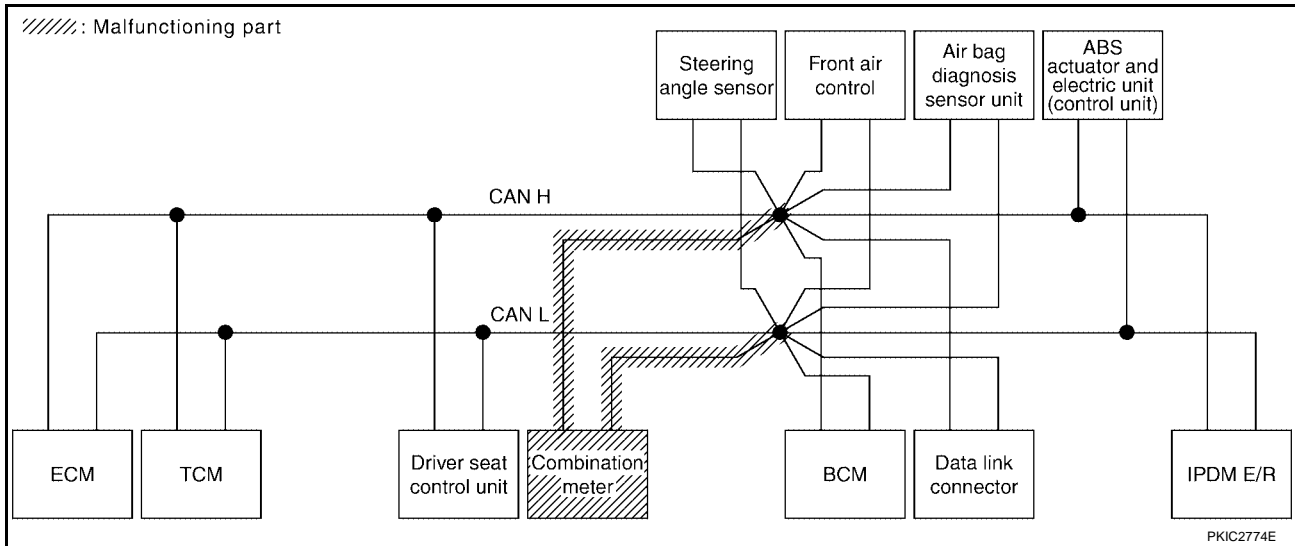
[CAN]

Case 7

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS	IPDM E/R		
ENGINE	–	–	UNKWN	–	UNKWN	UN ✓ KN	UNKWN	–	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	–	NG	UNKWN	UNKWN	–	UN ✓ KN	–	–	UNKWN	–	CAN COMM CIRCUIT (U1000)	–
AUTO DRIVE POS.	No indication	–	–	–	UNKWN	UN ✓ KN	UNKWN	–	–	–	CAN COMM CIRCUIT (U1000)	–
BCM	No indication	NG	UNKWN	UNKWN	–	UN ✓ KN	–	–	–	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)	–

PKIC3264E



CAN SYSTEM (TYPE 6)

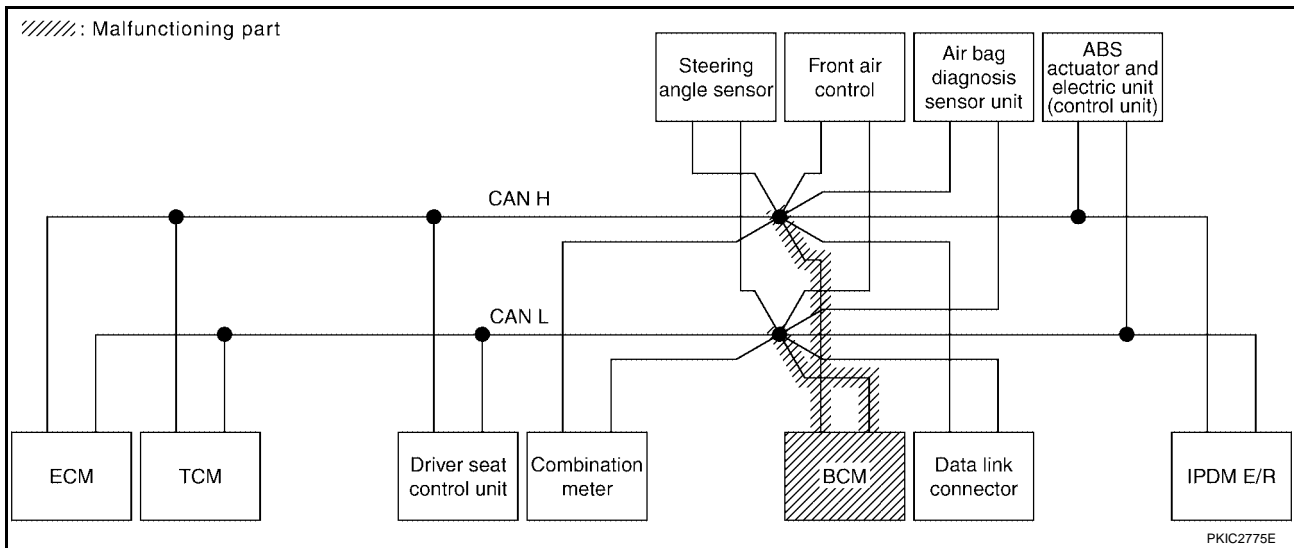
[CAN]

Case 8

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis						IPDM E/R		
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS			
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)	—
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)	—

PKIC3265E



CAN SYSTEM (TYPE 6)

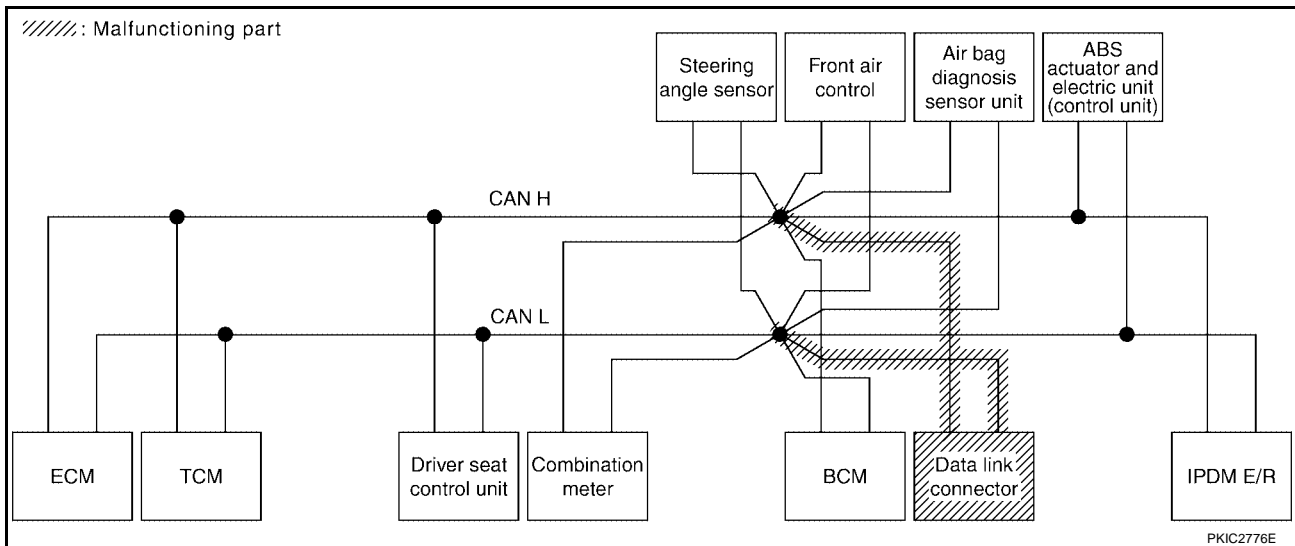
[CAN]

Case 9

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (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 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)	-

PKIC3266E



CAN SYSTEM (TYPE 6)

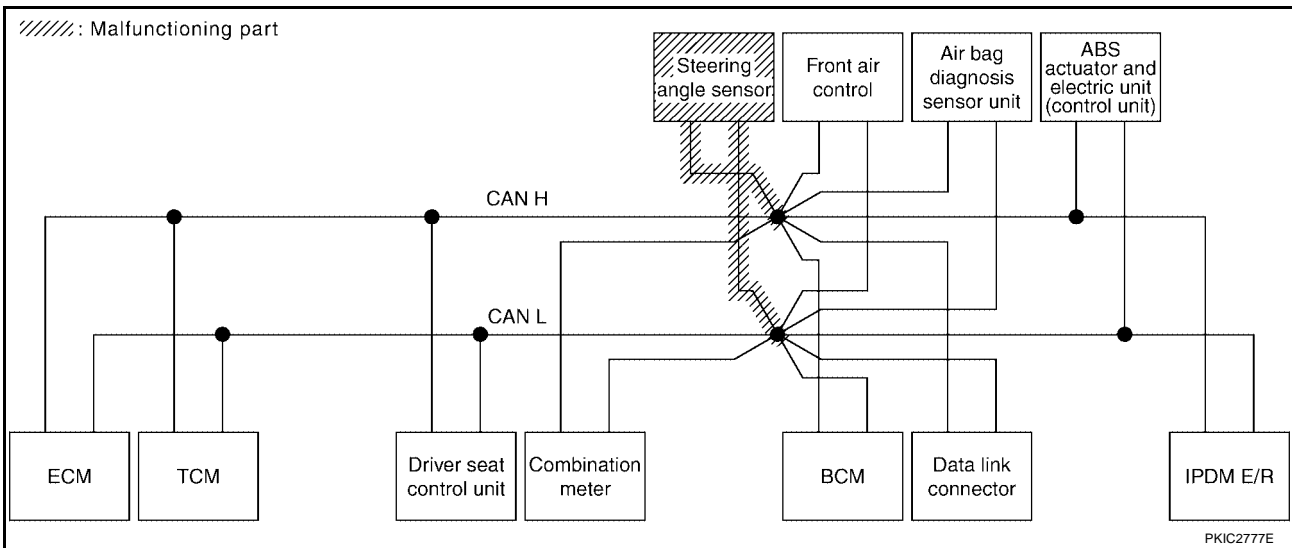
[CAN]

Case 10

Check steering angle sensor circuit. Refer to [LAN-360, "Steering Angle Sensor Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis						IPDM E/R		
				ECM	TCM	METER /M&A	BCM/SEC	STRG	VDC/TCS /ABS			
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)	-
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)	-

PKIC3267E



CAN SYSTEM (TYPE 6)

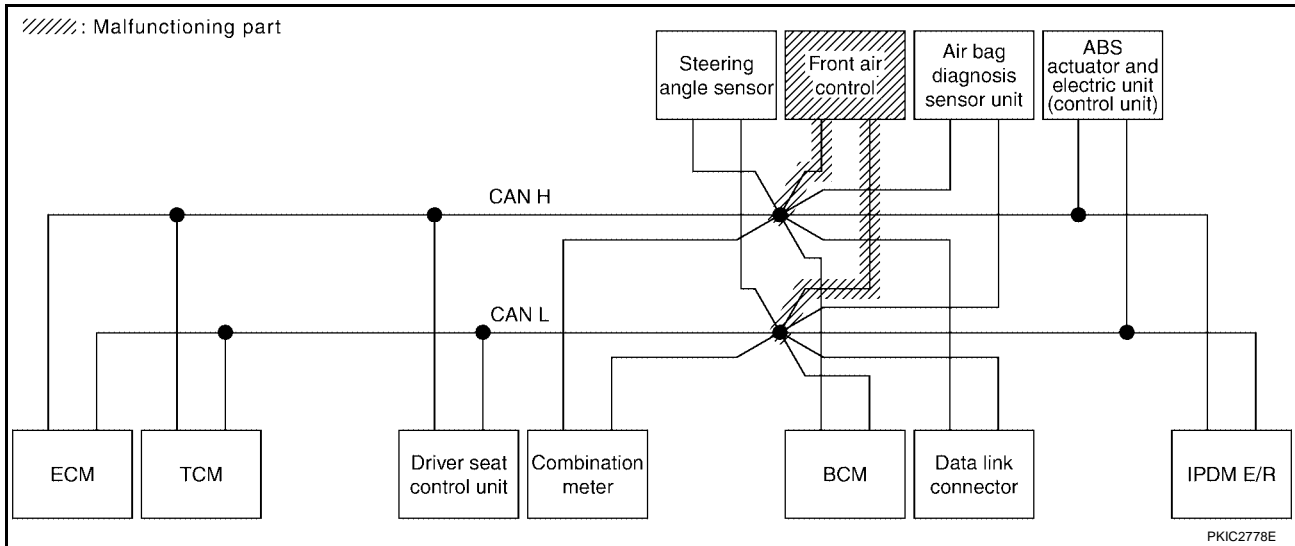
[CAN]

Case 11

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (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 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)	-

PKIC3268E

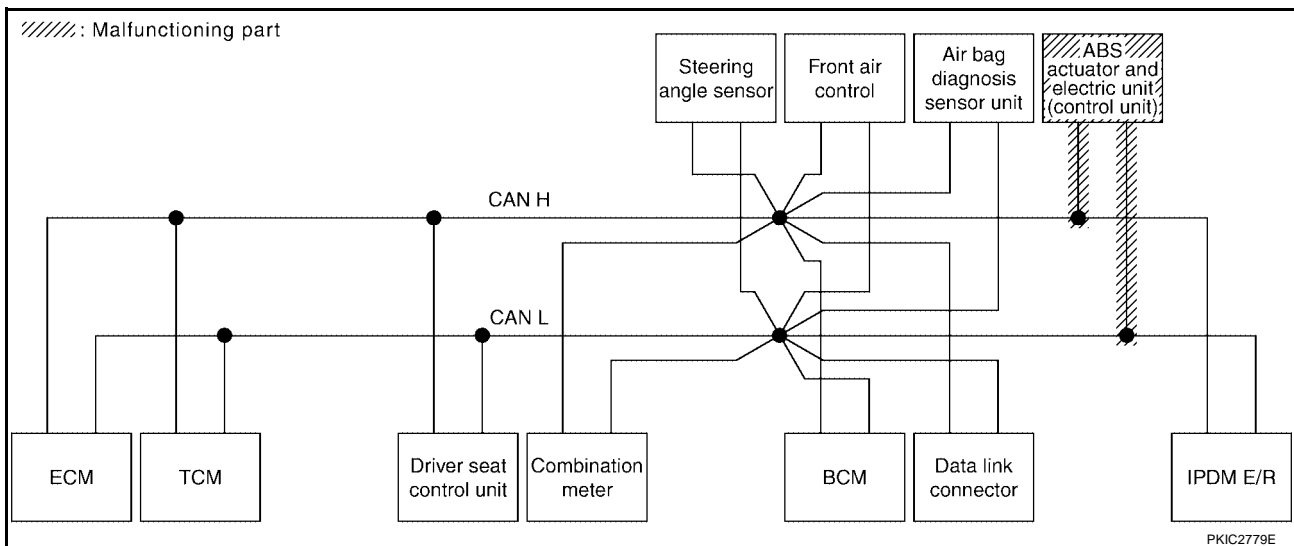


Case 12

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (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 indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-
ABS	-	✓	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3269E



CAN SYSTEM (TYPE 6)

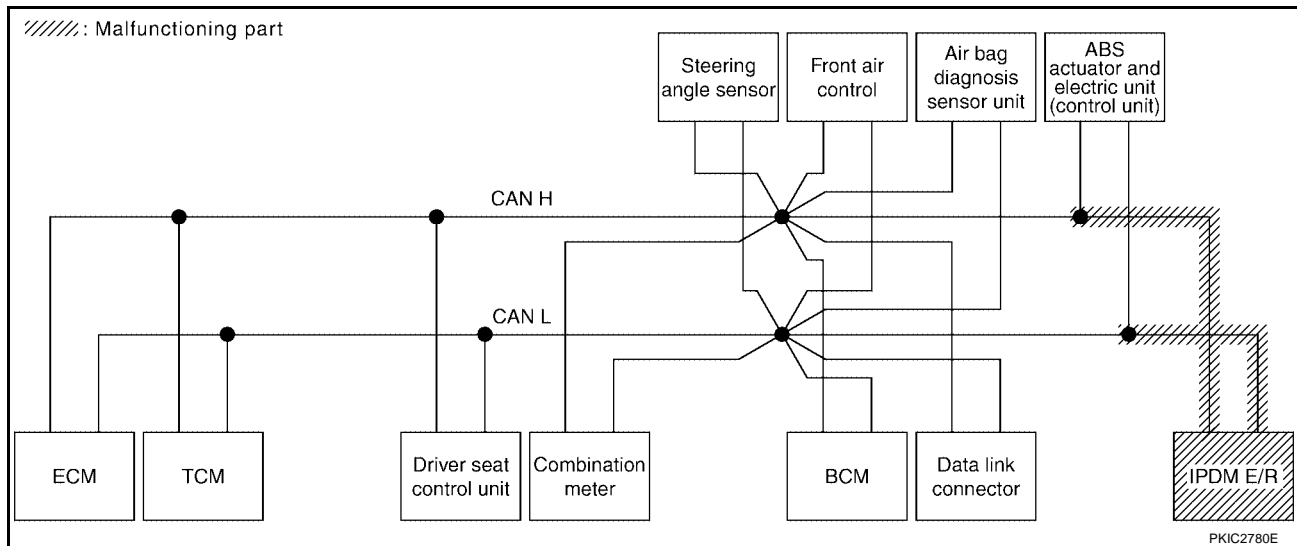
[CAN]

Case 13

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 (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 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)	-

PKIC3270E



Case 14

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 (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 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)	-

PKIC3271E

CAN SYSTEM (TYPE 6)

[CAN]

Case 15

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (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 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)	--

PKIC3272E

Case 16

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	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 (U1001)
A/T	--	NG	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	--	--	--
ABS	--	NG	UNKWN	--	UNKWN	--	--	--	--	--	CAN COMM CIRCUIT (U1000)	--
IPDM E/R	No indication	--	UNKWN	UNKWN	--	--	UNKWN	--	--	--	CAN COMM CIRCUIT (U1000)	--

PKIC3273E

CAN SYSTEM (TYPE 7)

PF2:23710

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 —"](#) .

CAN SYSTEM (TYPE 7)

[CAN]

UKS004PX

Check Sheet

NOTE:

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

Check sheet table													SELF-DIAG RESULTS	
SELECT SYSTEM screen		Initial diagnosis	Transmit diagnosis	CAN DIAG SUPPORT MNTR										
				Receive diagnosis										
				ECM	TCM	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	—	—
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)	—

Symptoms :

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 above check sheet table.

Confirmation/Adjustment Display	Check sheet table Display	Confirmation/Adjustment Display	Check sheet table Display
CAN COMM	Initial diagnosis	CAN CIRC 5	METER/M&A
CAN CIRC 1	Transmit diagnosis	CAN CIRC 6	—
CAN CIRC 2	BCM	CAN CIRC 7	IPDM E/R
CAN CIRC 3	ECM	CAN CIRC 8	—
CAN CIRC 4	HVAC	CAN CIRC 9	—

Attach copy of
display control unit
CAN DIAG SUPPORT MONITOR check sheet

PKIC2943E

CAN SYSTEM (TYPE 7)

[CAN]

Attach copy of
ENGINE
SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
AUTO DRIVE POS.
SELF-DIAG RESULTS

Attach copy of
BCM
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

Attach copy of
IPDM E/R
SELF-DIAG RESULTS

Attach copy of
ENGINE
CAN DIAG SUPPORT
MNTR

Attach copy of
A/T
CAN DIAG SUPPORT
MNTR

Attach copy of
AUTO DRIVE POS.
CAN DIAG SUPPORT
MNTR

Attach copy of
BCM
CAN DIAG SUPPORT
MNTR

Attach copy of
HVAC
CAN DIAG SUPPORT
MNTR

Attach copy of
ABS
CAN DIAG SUPPORT
MNTR

Attach copy of
IPDM E/R
CAN DIAG SUPPORT
MNTR

PKIB6658E

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

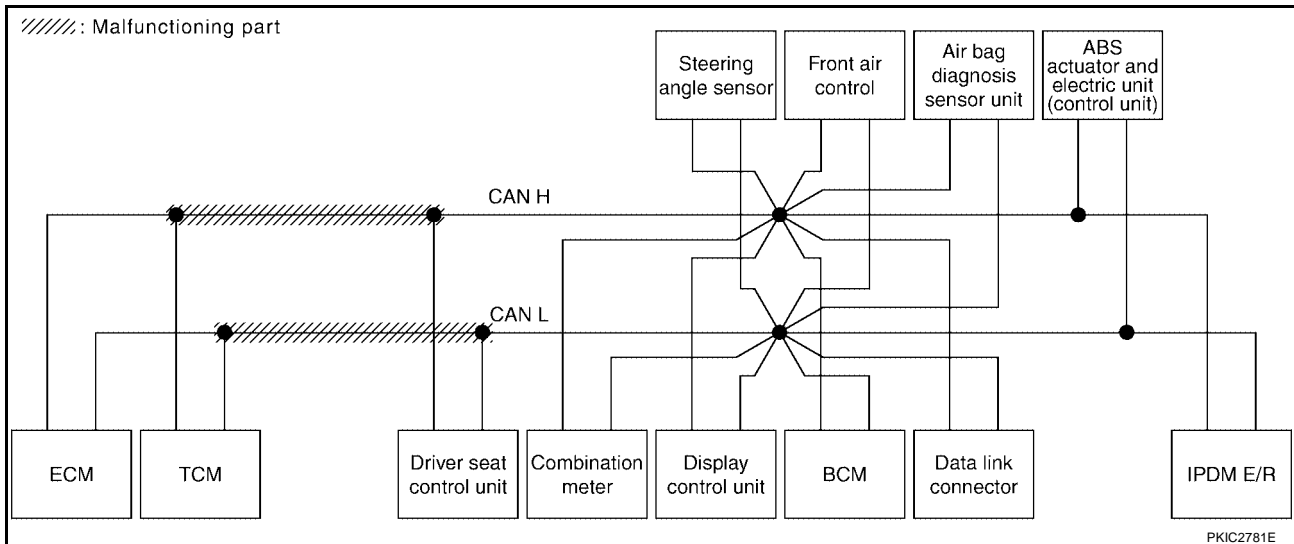
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R				
ENGINE	-	-	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	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3274E



PKIC2781E

CAN SYSTEM (TYPE 7)

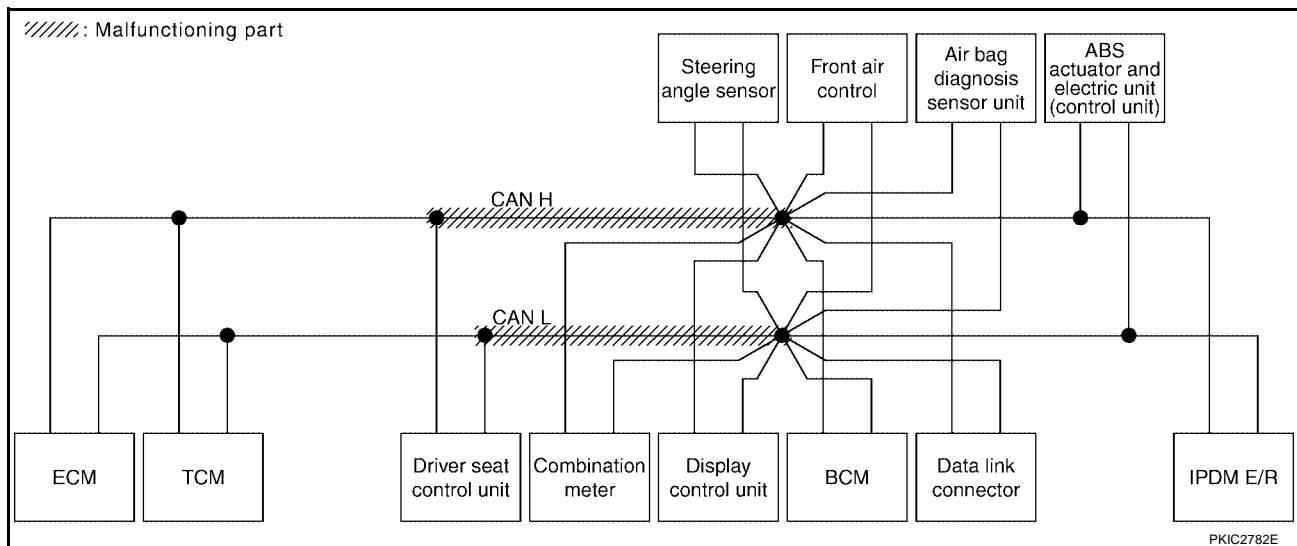
[CAN]

Case 2

Check harness between driver seat control unit and data link connector. Refer to [LAN-354, "Inspection Between Driver Seat Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	UNKWN	✓	-	✓	-	-	✓	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001) ✓	
A/T	-	NG	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	-	-	
BCM	No indication	NG	UNKWN	✓	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-	
HVAC	No indication	-	UNKWN	✓	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	
ABS	-	NG	UNKWN	✓	✓	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000) ✓	-	
IPDM E/R	No indication	-	UNKWN	✓	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000) ✓	-	

PKIC3275E



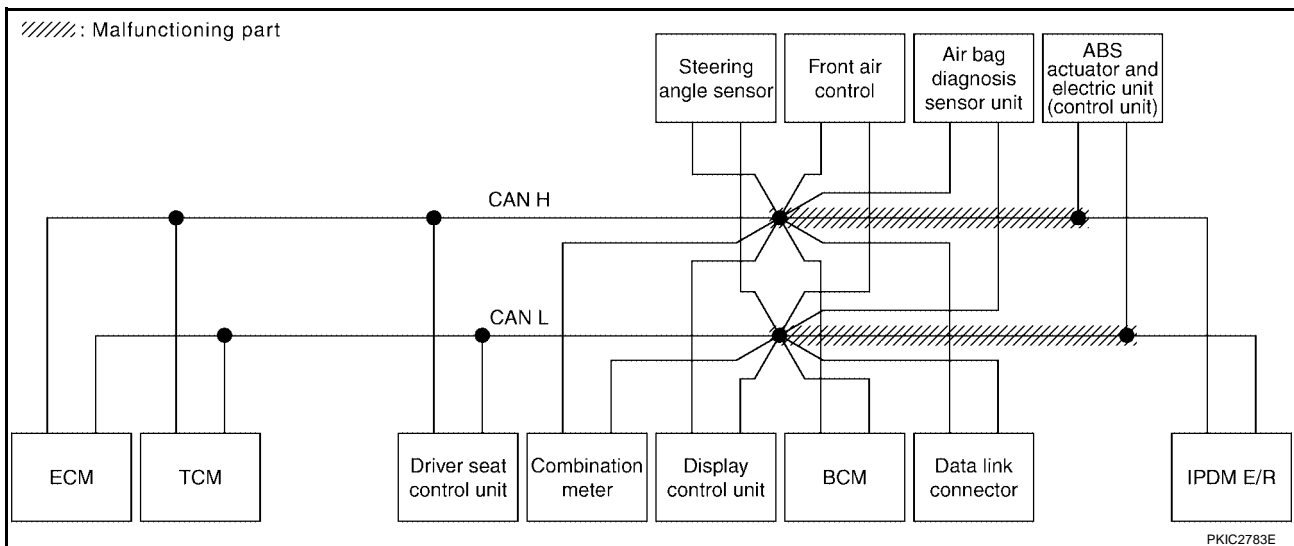
PKIC2782E

Case 3

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		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
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	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3276E



CAN SYSTEM (TYPE 7)

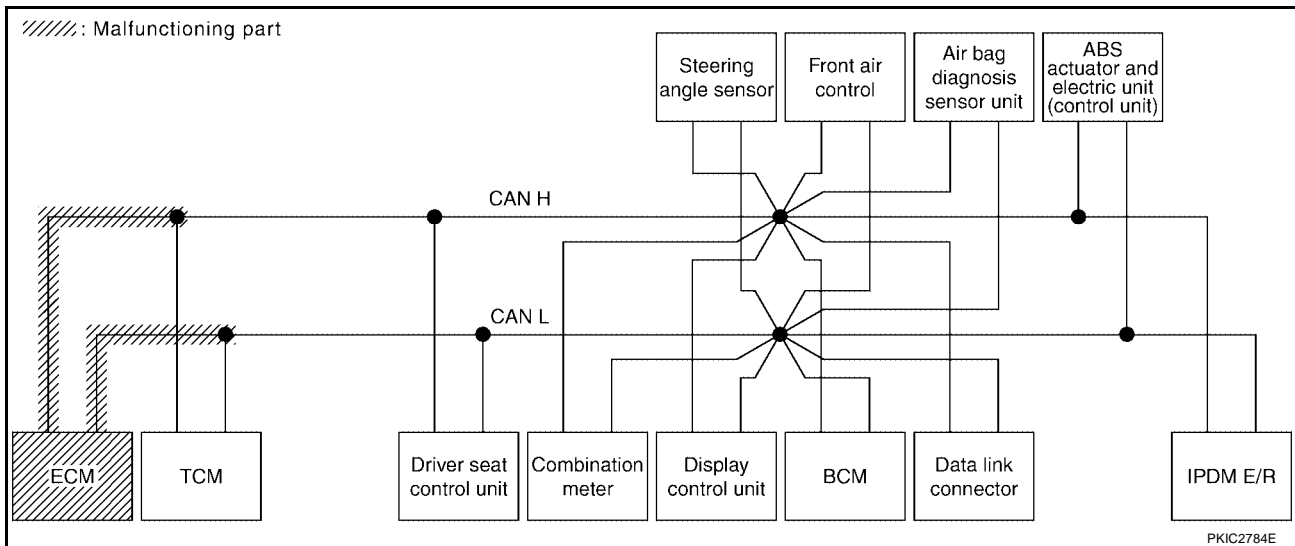
[CAN]

Case 4

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U000)	CAN COMM CIRCUIT (U001)	
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U000)	-	
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 (U000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U000)	-	

PKIC3277E



PKIC2784E

CAN SYSTEM (TYPE 7)

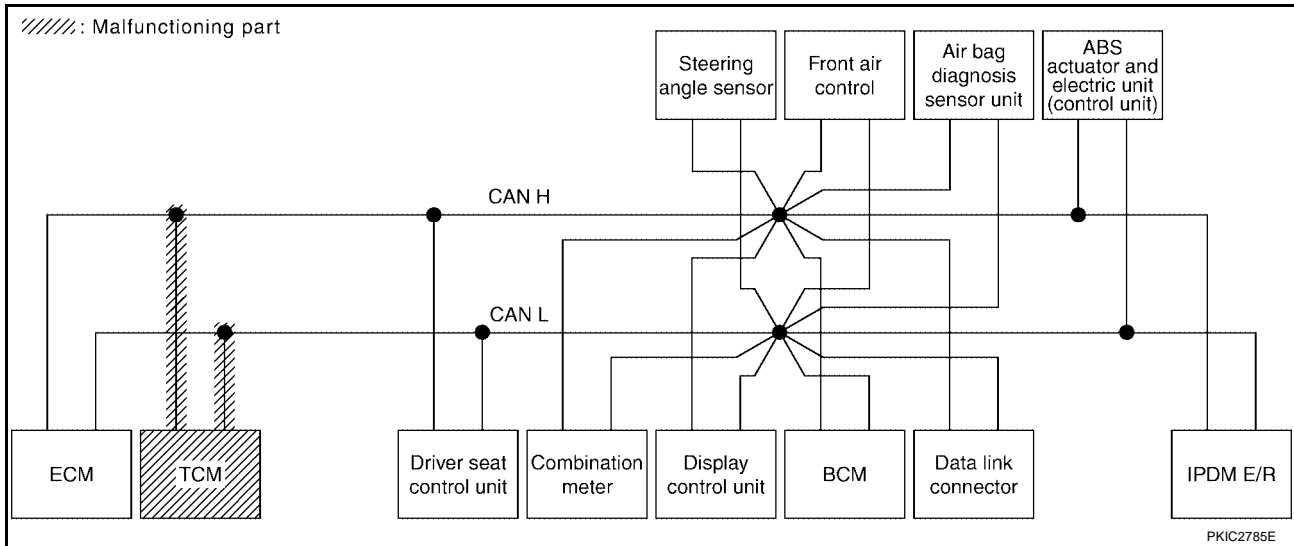
[CAN]

Case 5

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	UN KN WN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U100)	CAN COMM CIRCUIT (U101)	
A/T	-	NG	UNKWN	UN KN WN	-	UN KN WN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U100)	-	
AUTO DRIVE POS.	No indication	-	-	-	UN KN WN	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U100)	-	
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	UN KN WN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U100)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3278E



CAN SYSTEM (TYPE 7)

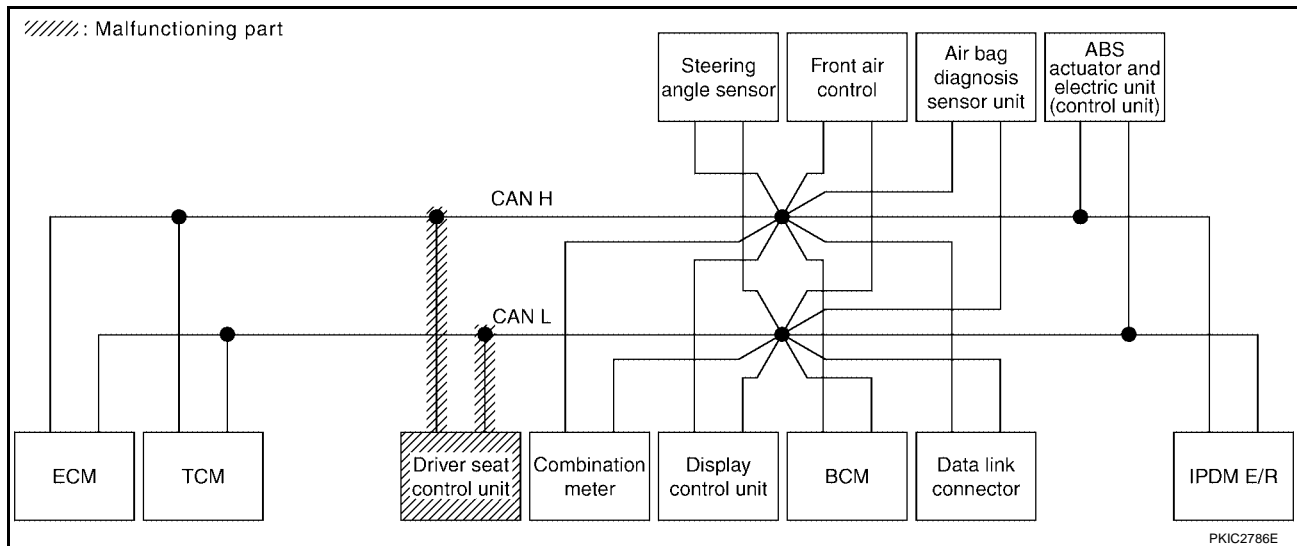
[CAN]

Case 6

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
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	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3279E



CAN SYSTEM (TYPE 7)

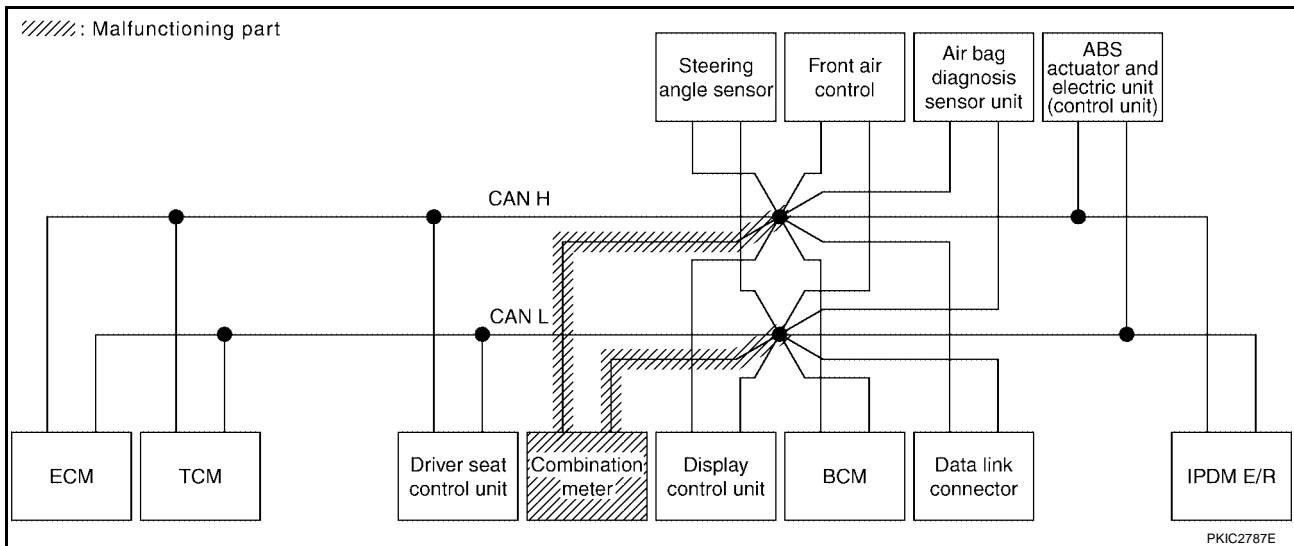
[CAN]

Case 7

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UN ✓ KN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UN ✓ KN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UN ✓ KN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	UN ✓ KN	-	UNKWN	-	UNKWN	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	UN ✓ KN	-	-	-	-	-	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)	-

PKIC3280E



CAN SYSTEM (TYPE 7)

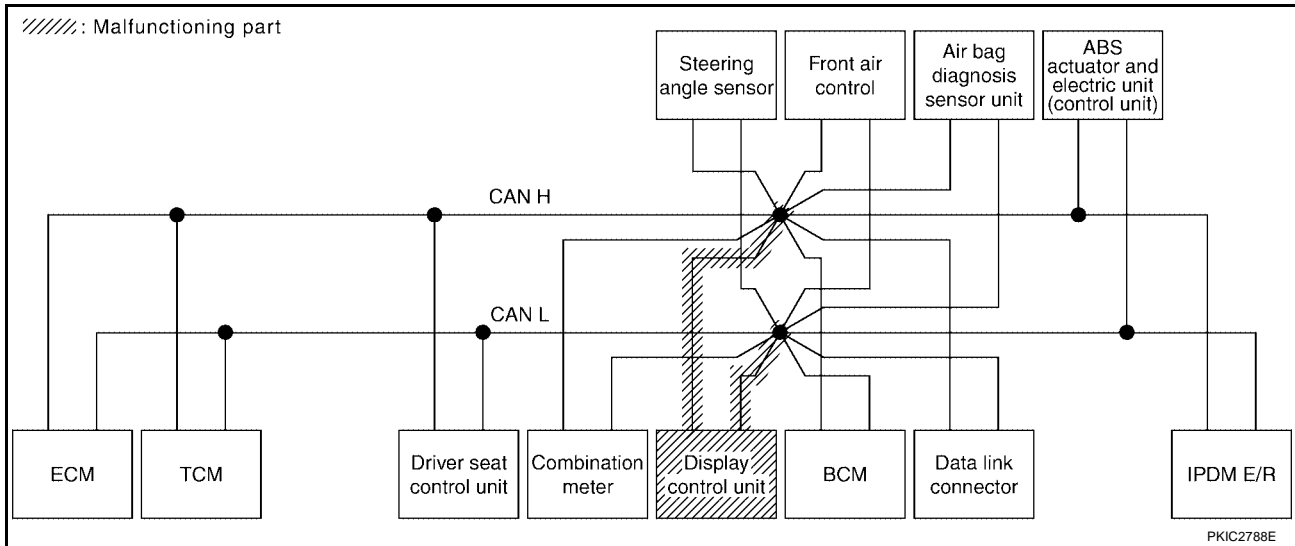
[CAN]

Case 8

Check display control unit circuit. Refer to [LAN-358, "Display Control Unit Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
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	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3281E



PKIC2788E

CAN SYSTEM (TYPE 7)

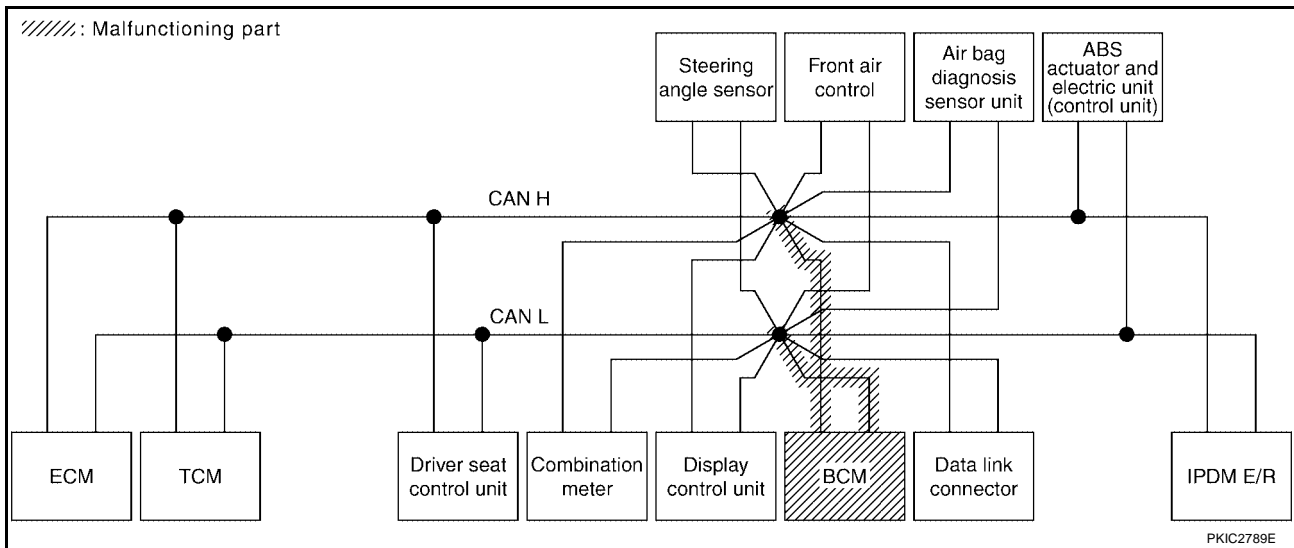
[CAN]

Case 9

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
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	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3282E



CAN SYSTEM (TYPE 7)

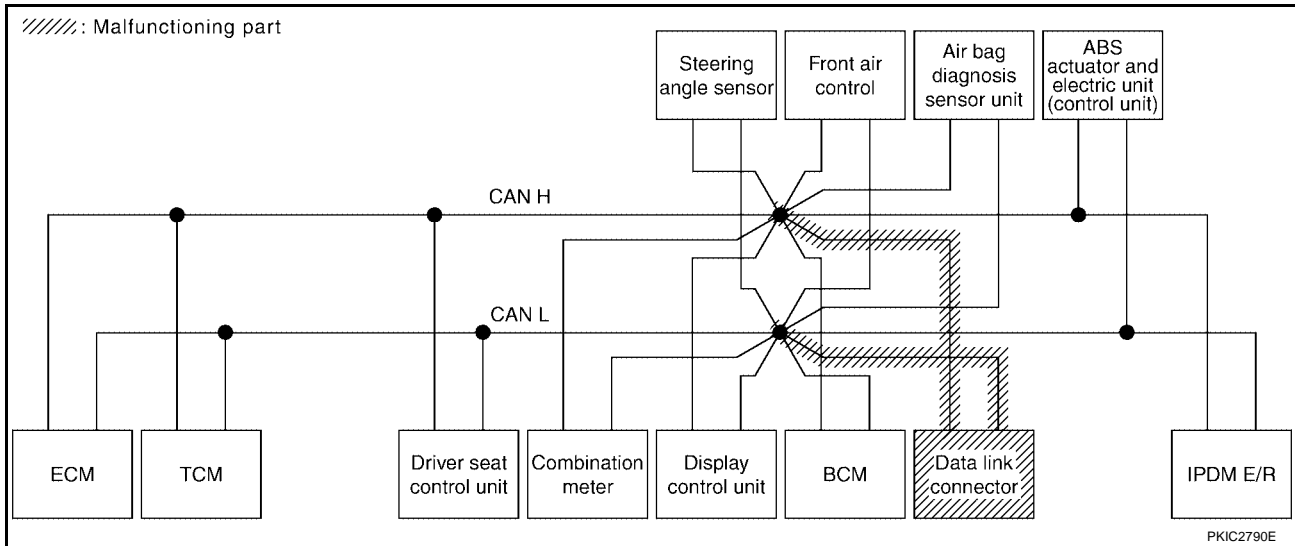
[CAN]

Case 10

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
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	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3283E



CAN SYSTEM (TYPE 7)

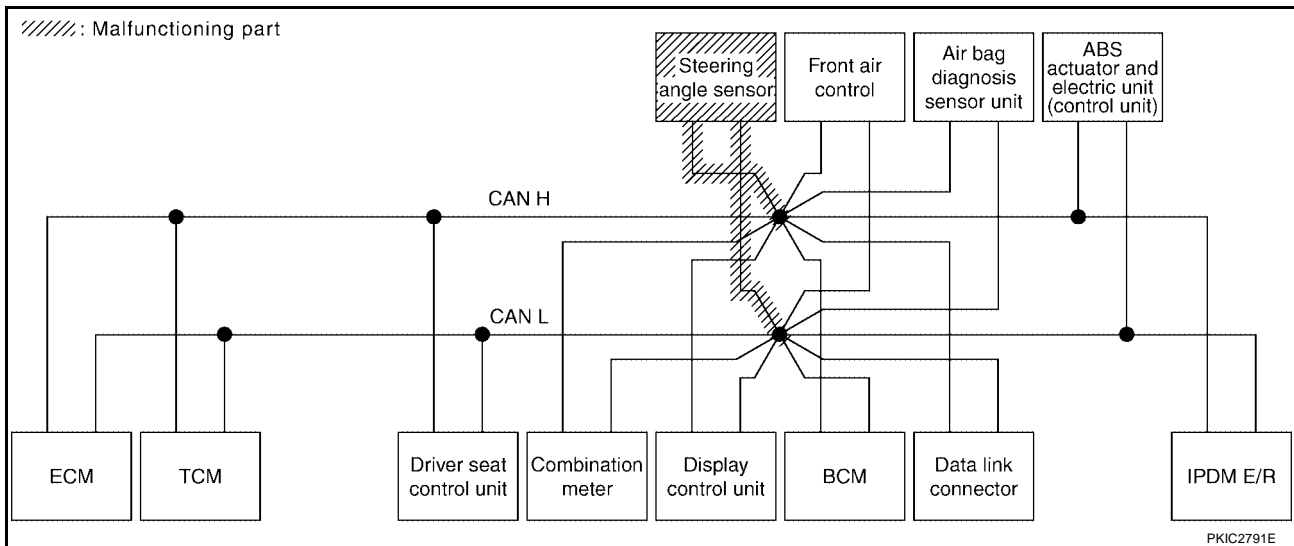
[CAN]

Case 11

Check steering angle sensor circuit. Refer to [LAN-360, "Steering Angle Sensor Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
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	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3284E



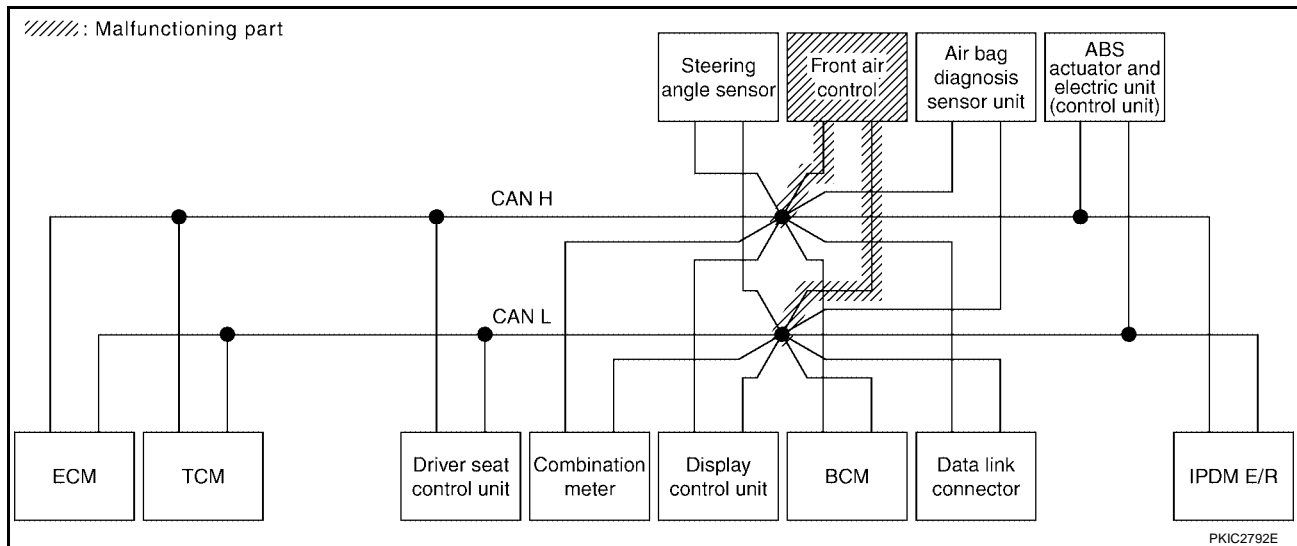
PKIC2791E

Case 12

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
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	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3285E

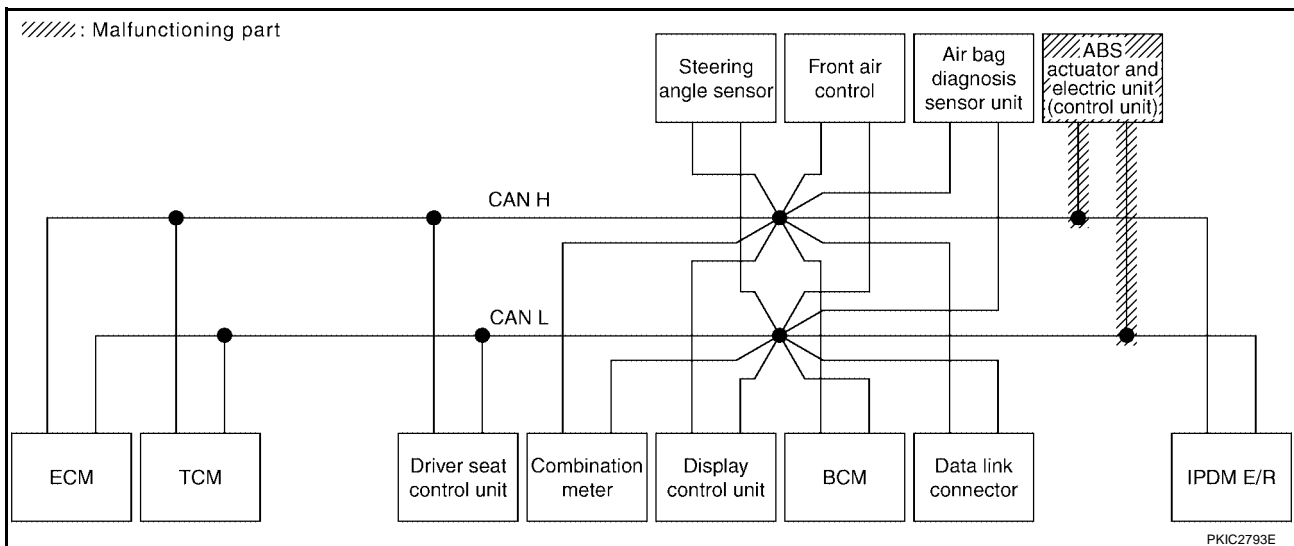


Case 13

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
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	-	✓	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3286E



CAN SYSTEM (TYPE 7)

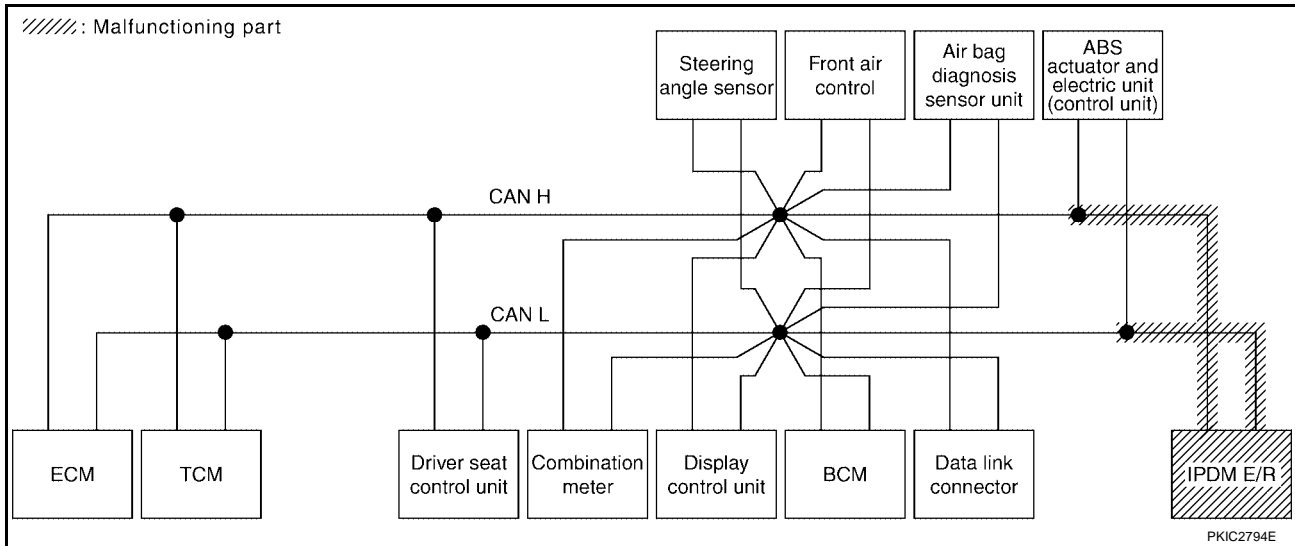
[CAN]

Case 14

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)	
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	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3287E



Case 15

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)	
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	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3288E

CAN SYSTEM (TYPE 7)

[CAN]

Case 16

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
ENGINE	–	–	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	–	–	–	–	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	–	–	✓	–	–	–	
ABS	–	NG	UNKWN	UNKWN	UNKWN	–	–	–	UNKWN	–	–	–	CAN COMM CIRCUIT (U1000)	–	
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	–	UNKWN	–	–	–	–	CAN COMM CIRCUIT (U1000)	–	

PKIC3289E

Case 17

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	VDC/TCS /ABS				
ENGINE	–	–	UNKWN	–	UNKWN	UNKWN	–	UNKWN	–	–	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
A/T	–	NG	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	–	–	–	–	–	–	–	CAN COMM CIRCUIT (U1000)	–	
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	–	UNKWN	–	–	–	–	CAN COMM CIRCUIT (U1000)	–	

PKIC3290E

CAN SYSTEM (TYPE 8)

PF2P:23710

Component Parts and Harness Connector Location

UKS004N2

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 —"](#) .

CAN SYSTEM (TYPE 8)

[CAN]

UKS004PW

Check Sheet

NOTE:

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

Check sheet table													
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	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 (U1000)	-

Symptoms :

Attach copy of
SELECT SYSTEM

Attach copy of
SELECT SYSTEM

A
B
C
D
E
F
G
H
I
J
L
M

LAN

PKIC2944E

CAN SYSTEM (TYPE 8)

[CAN]

Attach copy of ENGINE SELF-DIAG RESULTS	Attach copy of A/T SELF-DIAG RESULTS	Attach copy of BCM SELF-DIAG RESULTS	Attach copy of HVAC SELF-DIAG RESULTS
Attach copy of ALL MODE AWD/4WD SELF-DIAG RESULTS	Attach copy of ABS SELF-DIAG RESULTS	Attach copy of IPDM E/R SELF-DIAG RESULTS	
Attach copy of ENGINE CAN DIAG SUPPORT MNTR	Attach copy of A/T CAN DIAG SUPPORT MNTR	Attach copy of BCM CAN DIAG SUPPORT MNTR	Attach copy of HVAC CAN DIAG SUPPORT MNTR
Attach copy of ALL MODE AWD/4WD CAN DIAG SUPPORT MNTR	Attach copy of ABS CAN DIAG SUPPORT MNTR	Attach copy of IPDM E/R CAN DIAG SUPPORT MNTR	

PKIB6772E

CAN SYSTEM (TYPE 8)

[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

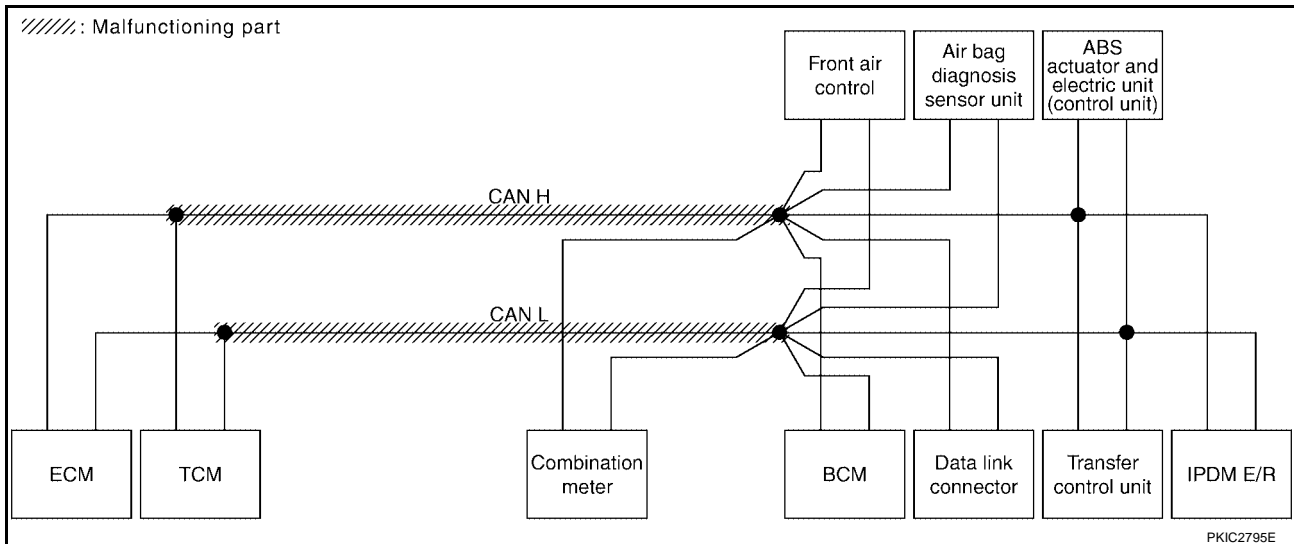
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and data link connector. Refer to [LAN-351, "Inspection Between TCM and Data Link Connector Circuit"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (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 indication	—	UNKWN	UNKWN	—	—	UNKWN	—	UNKWN	UNKWN	—	—
ALL MODE AWD/4WD	—	NG	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)	—

PKIC3291E



PKIC2795E

CAN SYSTEM (TYPE 8)

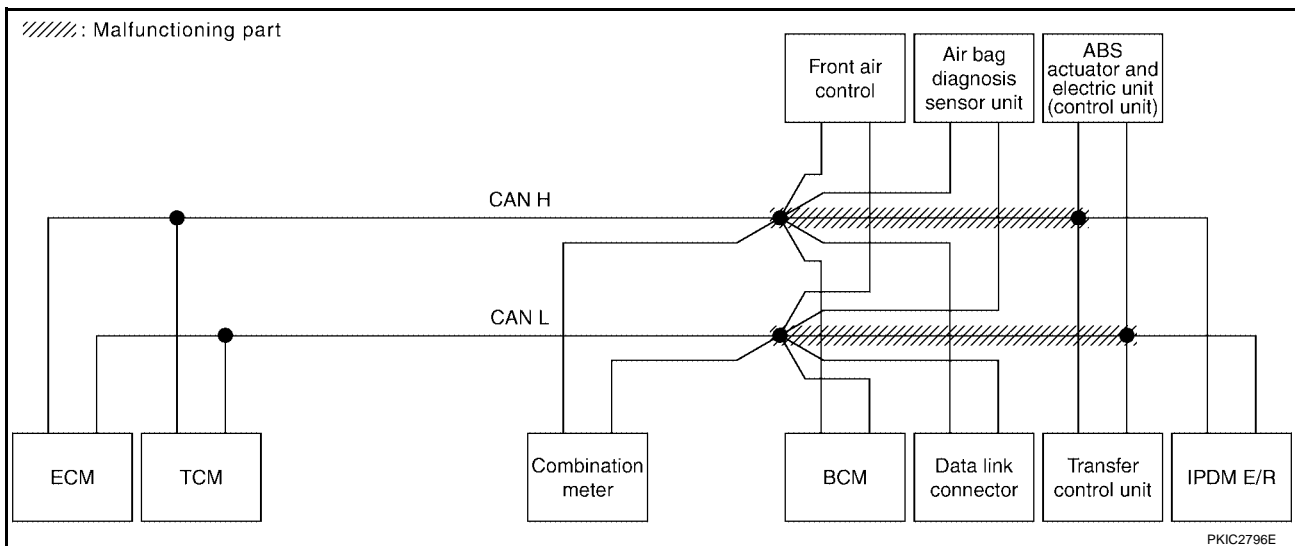
[CAN]

Case 2

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		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UN ✓ WN	UN ✓ WN	UN ✓ WN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UN ✓ WN	UN ✓ WN	-	CAN COMM CIRCUIT (U000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UN ✓ WN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UN ✓ WN	UN ✓ WN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UN ✓ WN	UN ✓ WN	UN ✓ WN	-	-	UNKWN	-	CAN COMM CIRCUIT (U000)	-
ABS	-	NG	UNKWN	UN ✓ WN	UN ✓ WN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U000)	-

PKIC3292E



PKIC2796E

CAN SYSTEM (TYPE 8)

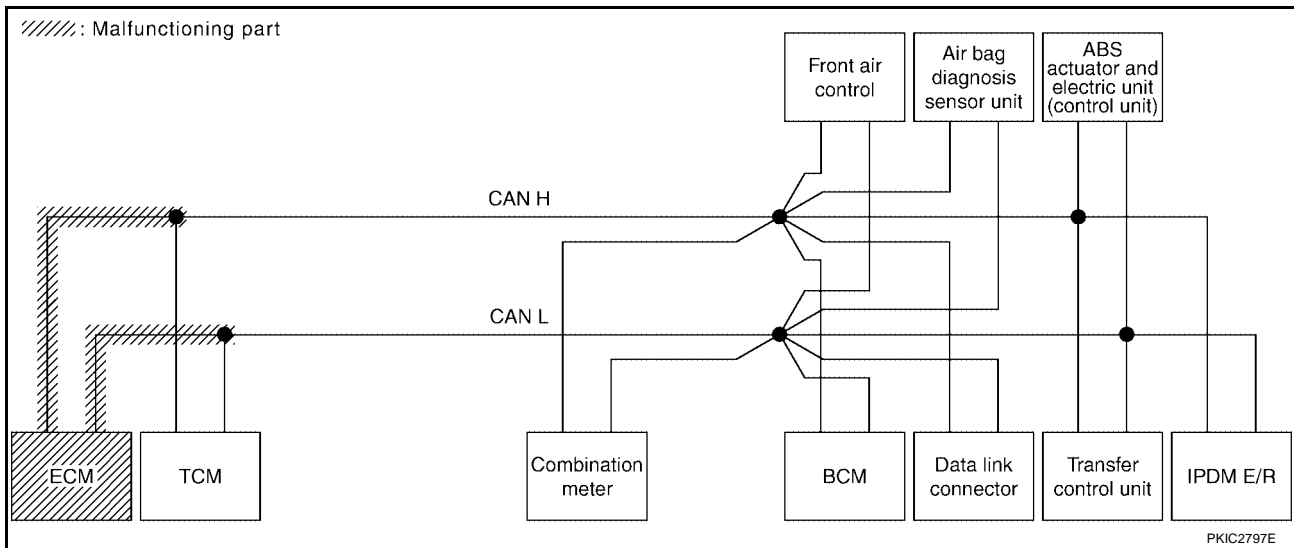
[CAN]

Case 3

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 COMM CIRCUIT (U000) ✓	CAN COMM CIRCUIT (U001) ✓
A/T	—	NG	UNKWN	UNKWN ✓	—	UNKWN	—	UNKWN	UNKWN	—	CAN COMM CIRCUIT (U000) ✓	—
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 (U000) ✓	—
ABS	—	NG	UNKWN	UNKWN ✓	UNKWN	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U000) ✓	—
IPDM E/R	No indication	—	UNKWN	UNKWN ✓	—	—	UNKWN	—	—	—	CAN COMM CIRCUIT (U000) ✓	—

PKIC3293E

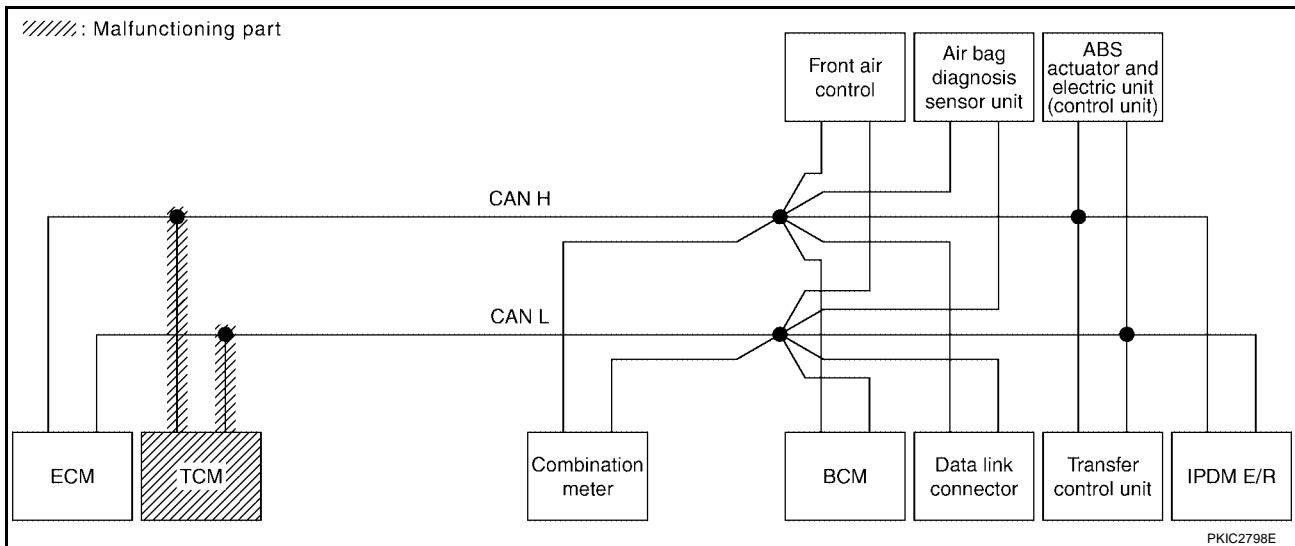


Case 4

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (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 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)	–

PKIC3294E

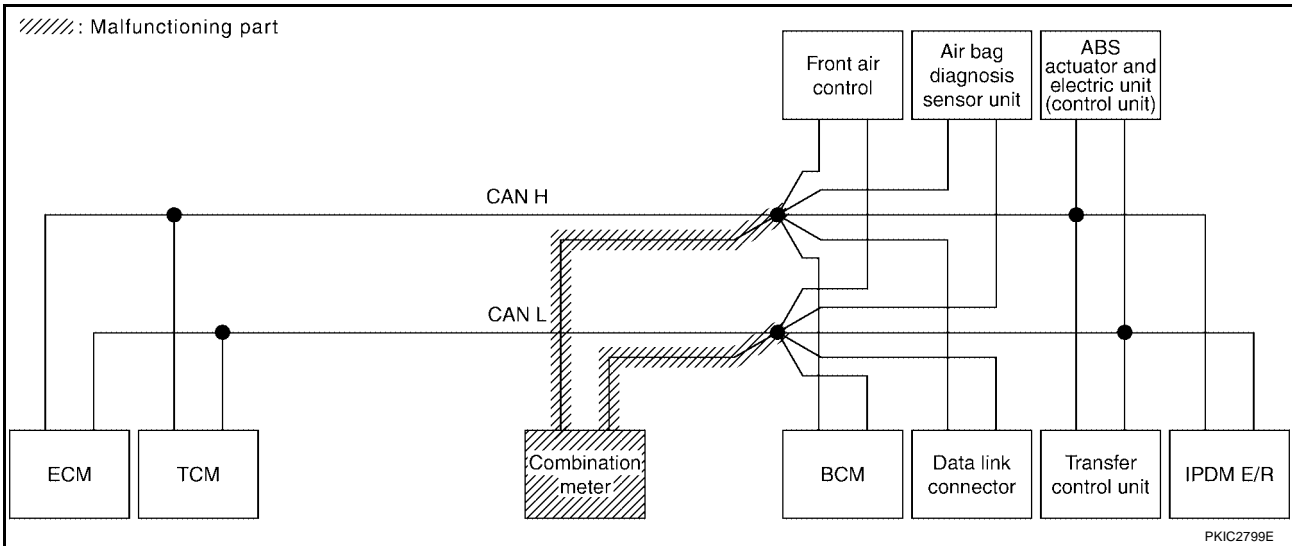


Case 5

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	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)	–
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	–	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)	–

PKIC3295E

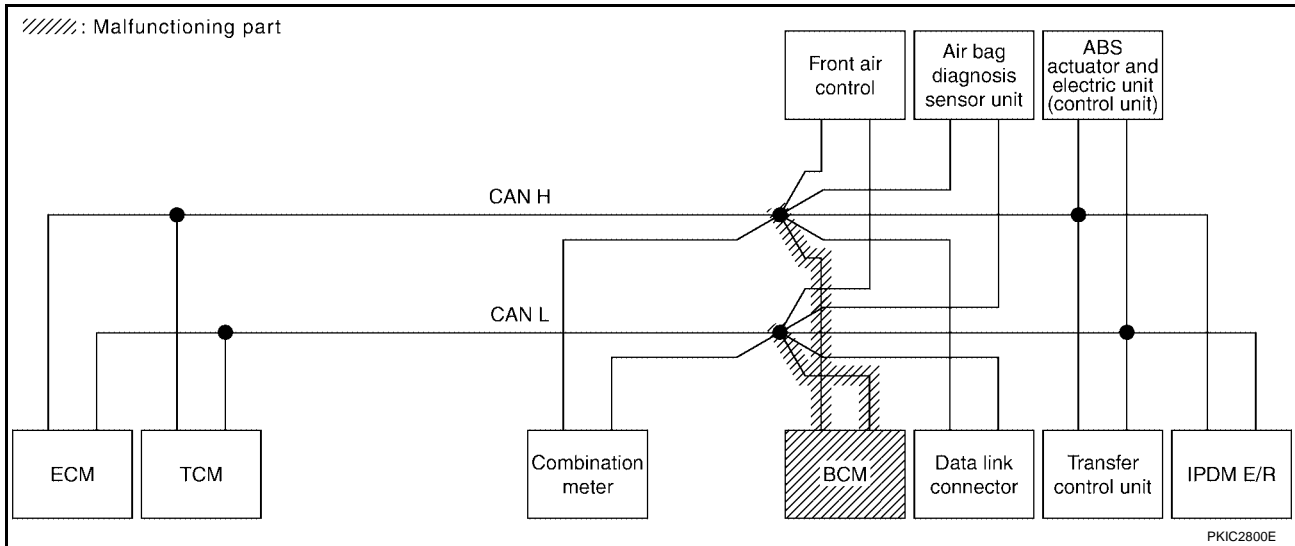


Case 6

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (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 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)	–

PKIC3296E



CAN SYSTEM (TYPE 8)

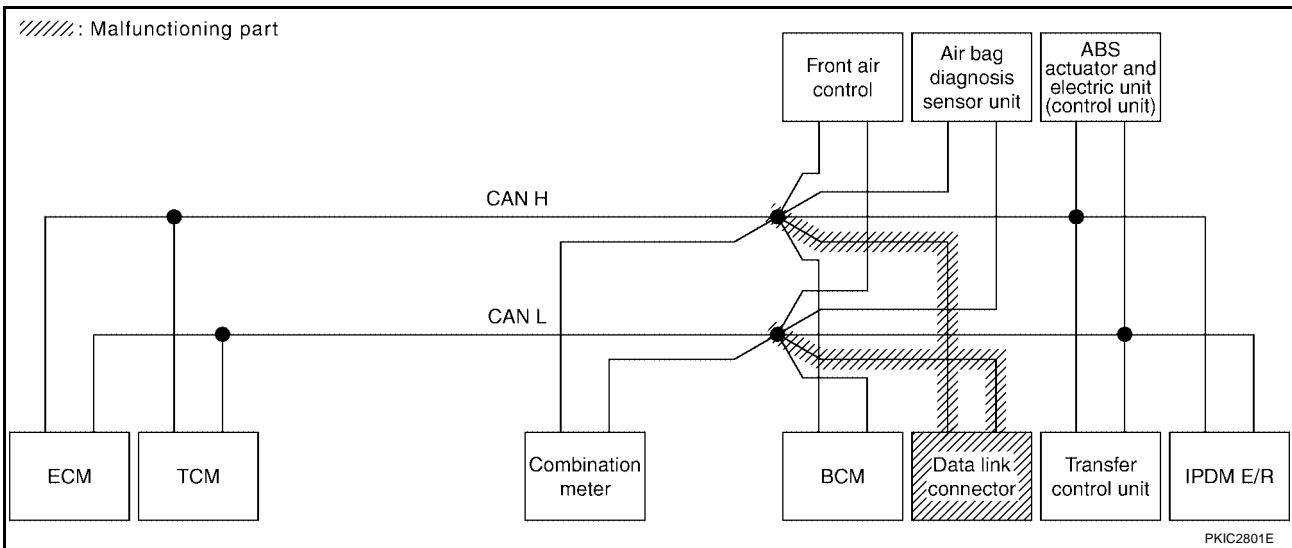
[CAN]

Case 7

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (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 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)	-

PKIC3297E

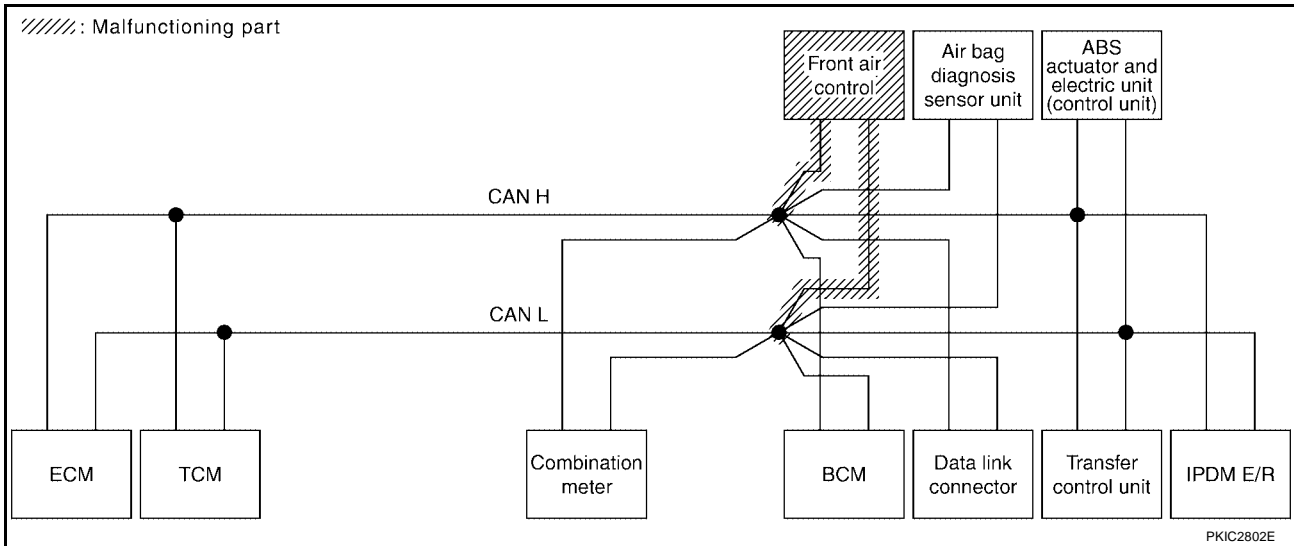


Case 8

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (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 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)	–

PKIC3298E

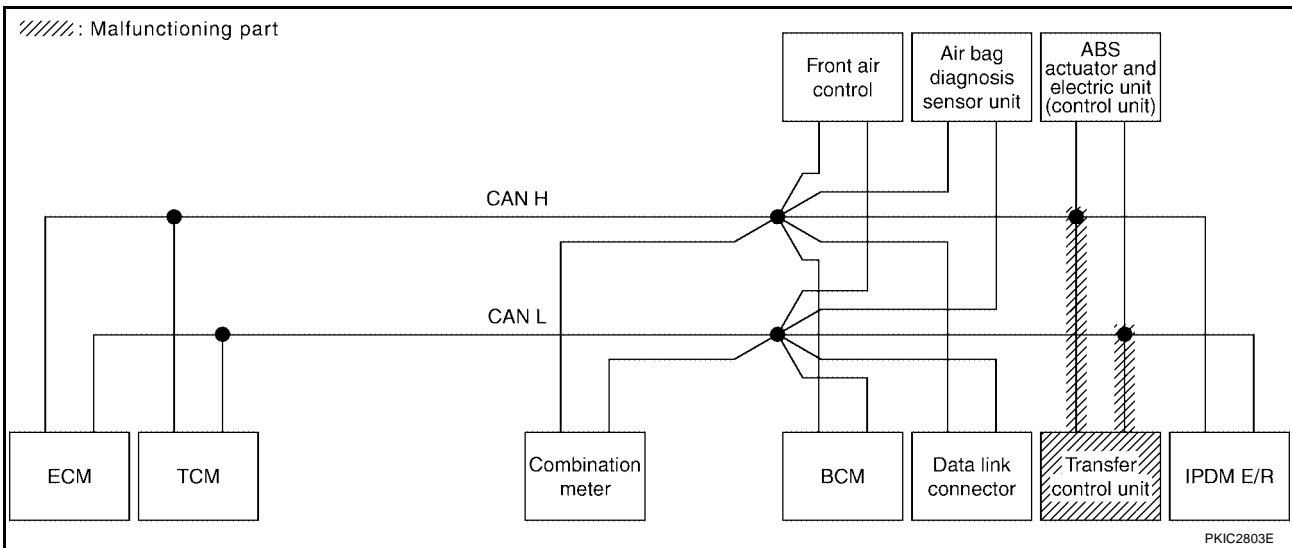


Case 9

Check transfer control unit circuit. Refer to [LAN-361, "Transfer Control Unit Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis								
				ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	UN ✓ WN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	—	NG	UNKWN	UNKWN	—	UNKWN	—	UN ✓ WN	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	UN ✓ WN	UN ✓ WN	UN ✓ WN	UN ✓ WN	—	—	UN ✓ WN	—	CAN COMM CIRCUIT (U1000)	—
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	UN ✓ WN	—	—	CAN COMM CIRCUIT (U1000)	—
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	UNKWN	—	—	—	CAN COMM CIRCUIT (U1000)	—

PKIC3299E



CAN SYSTEM (TYPE 8)

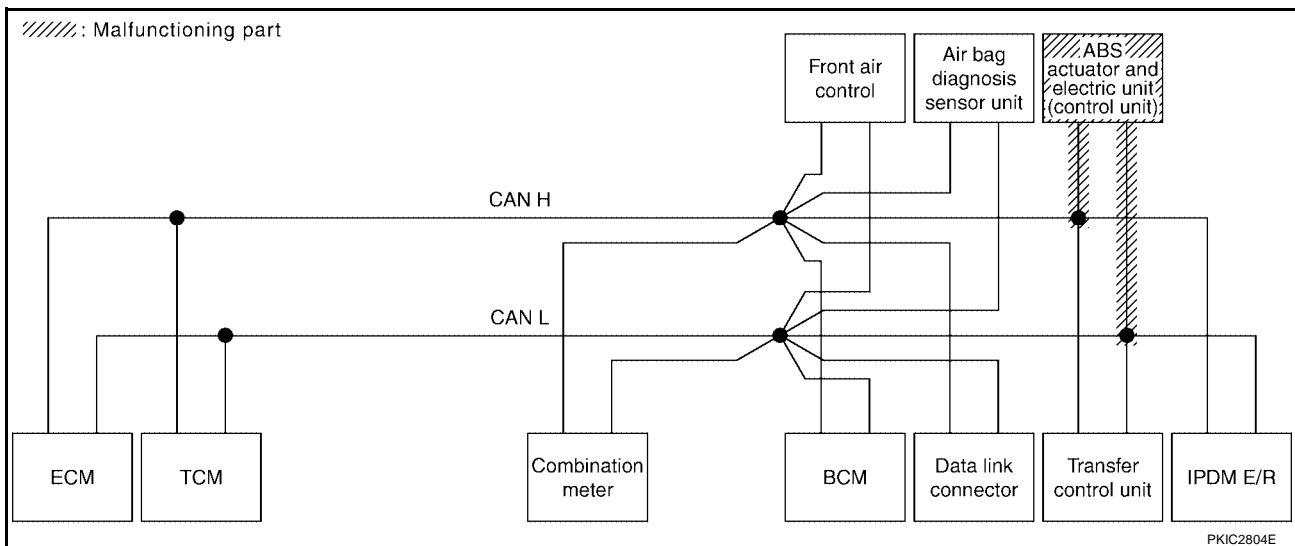
[CAN]

Case 10

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	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	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3300E



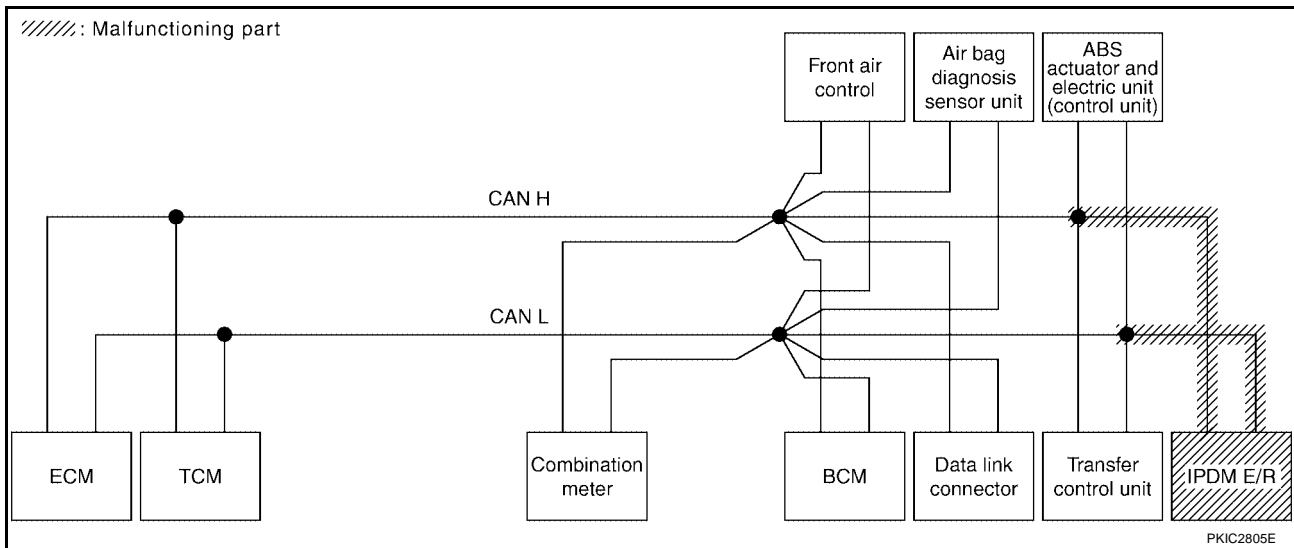
PKIC2804E

Case 11

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UN ✓ KN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UN ✓ KN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	UN ✓ KN	-	-
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)	-

PKIC3301E



Case 12

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UN ✓ KN	-	UN ✓ KN	UN ✓ KN	UN ✓ KN	UN ✓ KN	UN ✓ KN	UN ✓ KN	UN ✓ KN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UN ✓ KN	-	UN ✓ KN	-	UN ✓ KN	UN ✓ KN	UN ✓ KN	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UN ✓ KN	UN ✓ KN	UN ✓ KN	UN ✓ KN	-	-	UN ✓ KN	-	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	UN ✓ S	UN ✓ KN	UN ✓ KN	UN ✓ KN	-	-	UN ✓ KN	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3302E

CAN SYSTEM (TYPE 8)

[CAN]

Case 13

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (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 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)	–

PKIC3303E

Case 14

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	–	NG	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	–	–	–	–	–	CAN COMM CIRCUIT (U1000)	–
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	UNKWN	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3304E

CAN SYSTEM (TYPE 9)

[CAN]

CAN SYSTEM (TYPE 9)

PF: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 —

UKS004N8

Refer to [LAN-27, "Wiring Diagram — CAN —"](#) .

A

B

C

D

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F

G

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L

M

CAN SYSTEM (TYPE 9)

[CAN]

UKS004PV

Check Sheet

NOTE:

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

Check sheet table												
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 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)	-
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 indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

Symptoms :

Attach copy of
SELECT SYSTEM

Attach copy of
SELECT SYSTEM

PKIC2945E

CAN SYSTEM (TYPE 9)

[CAN]

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

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PKIB6773E

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

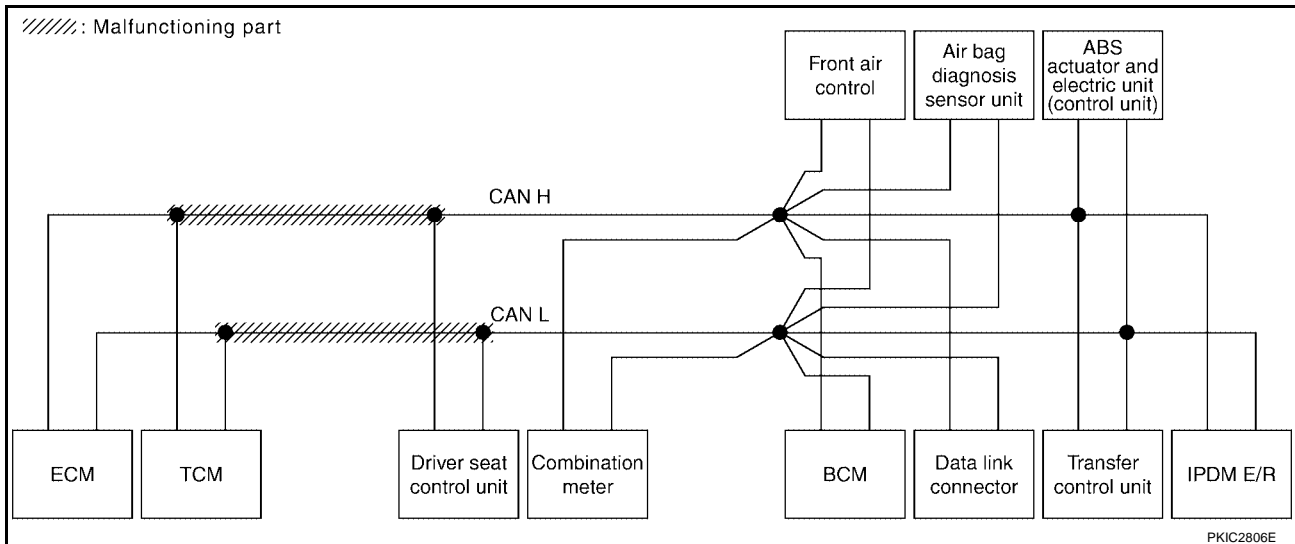
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	✓	✓	✓	✓	✓	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	UNKWN	-	✓	-	✓	✓	-	-	CAN COMM CIRCUIT (U000)	-
AUTO DRIVE POS.	No indication	-	-	-	✓	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U000)	-
BCM	No indication	NG	UNKWN	✓	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	✓	-	-	UNKWN	-	UNKWN	-	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	✓	✓	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-
ABS	-	NG	UNKWN	✓	✓	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U000)	-
IPDM E/R	No indication	-	UNKWN	✓	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U000)	-

PKIC3305E



PKIC2806E

CAN SYSTEM (TYPE 9)

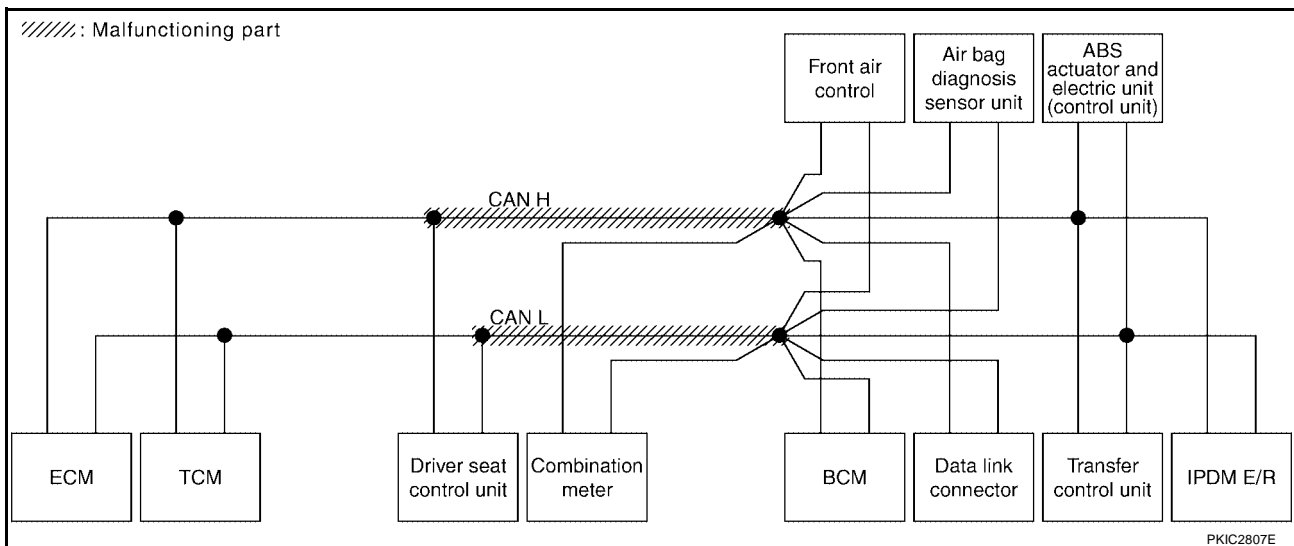
[CAN]

Case 2

Check harness between driver seat control unit and data link connector. Refer to [LAN-354, "Inspection Between Driver Seat Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 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)	-
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 indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3306E



CAN SYSTEM (TYPE 9)

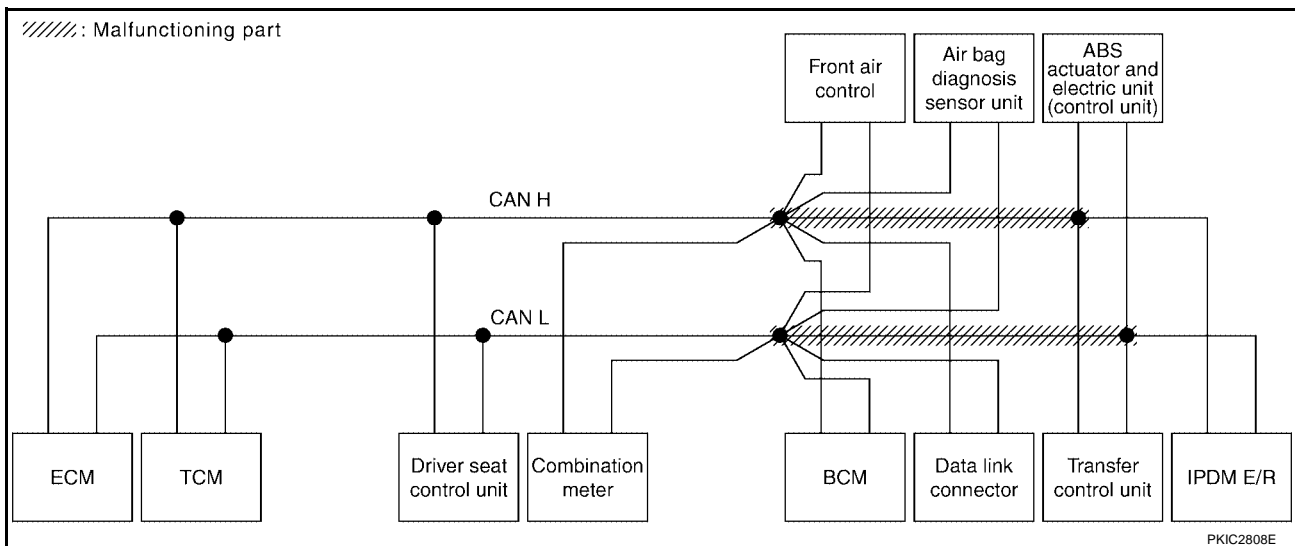
[CAN]

Case 3

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		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 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)	-
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 indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3307E



CAN SYSTEM (TYPE 9)

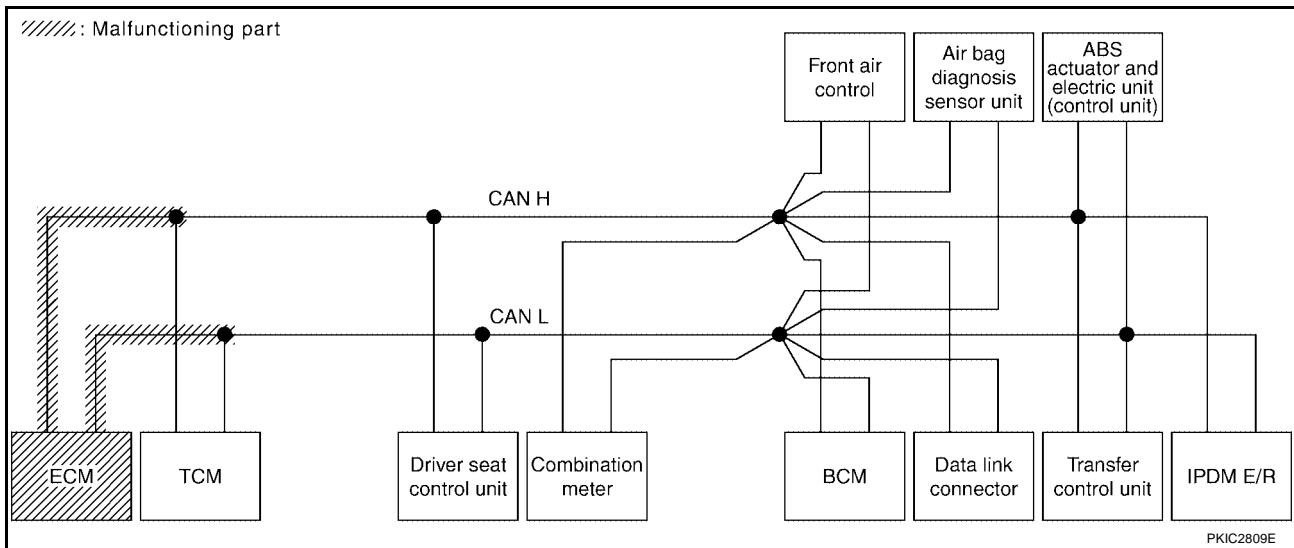
[CAN]

Case 4

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U100)	CAN COMM CIRCUIT (U101)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U100)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U100)	-
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U100)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U100)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U100)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U100)	-

PKIC3308E

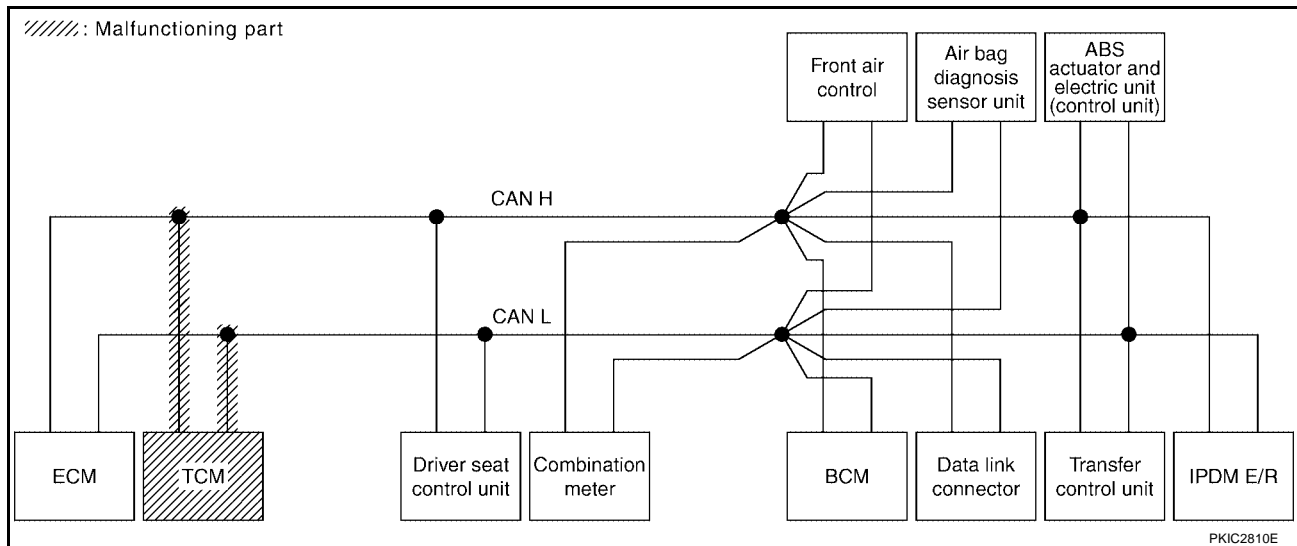


Case 5

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 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)	-
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 indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3309E

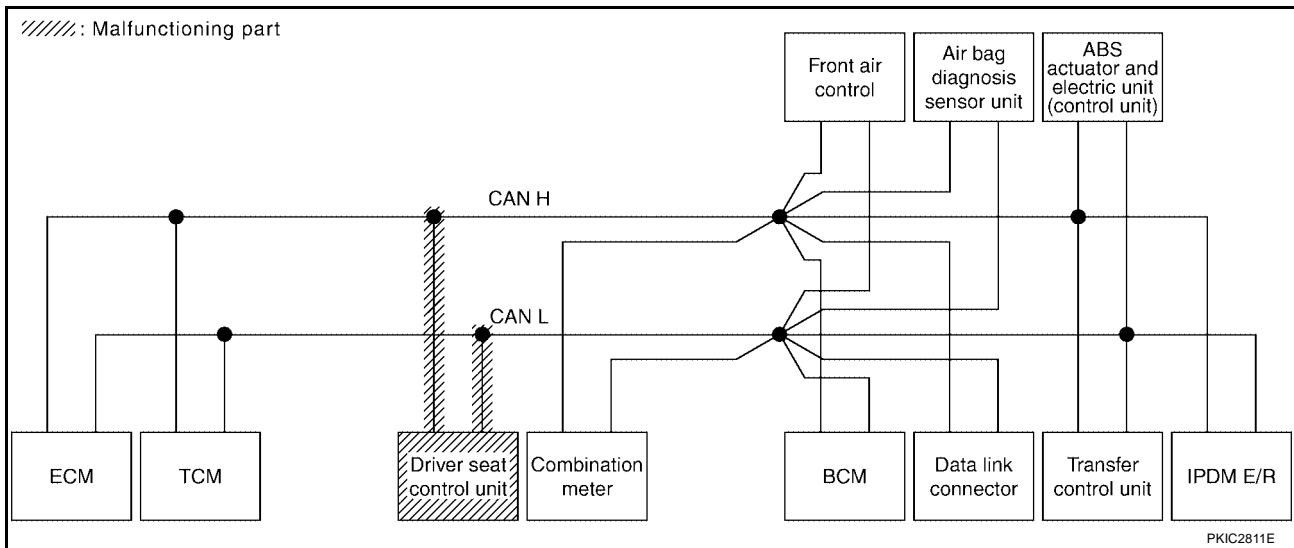


Case 6

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 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)	–
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 indication	–	UNKWN	UNKWN	–	–	UNKWN	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3310E

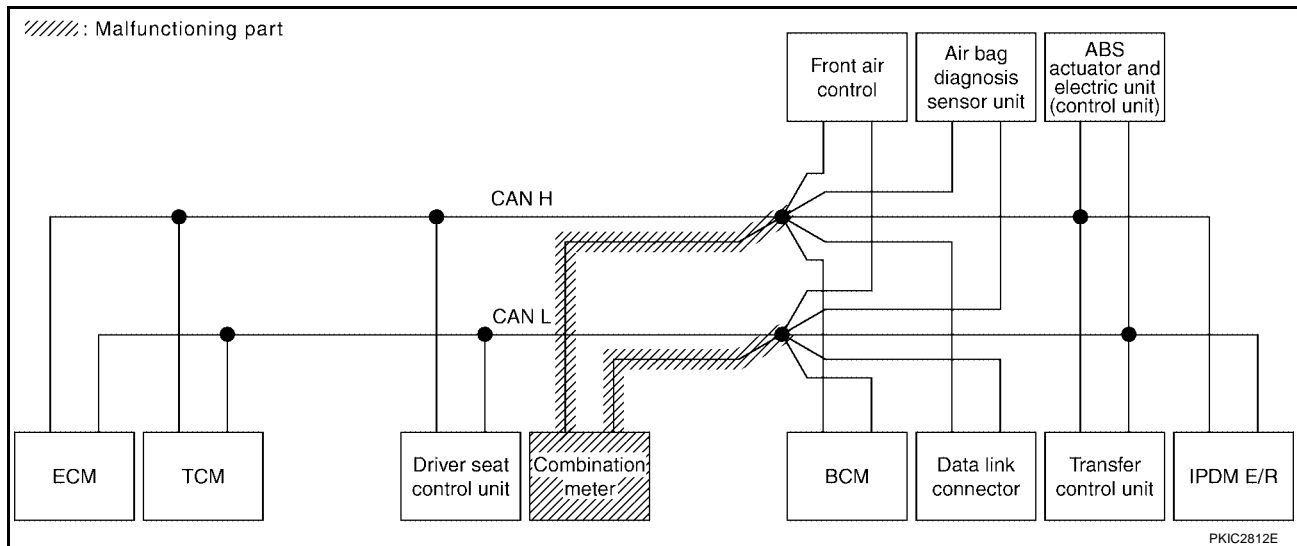


Case 7

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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) ✓	-
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 indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3311E



CAN SYSTEM (TYPE 9)

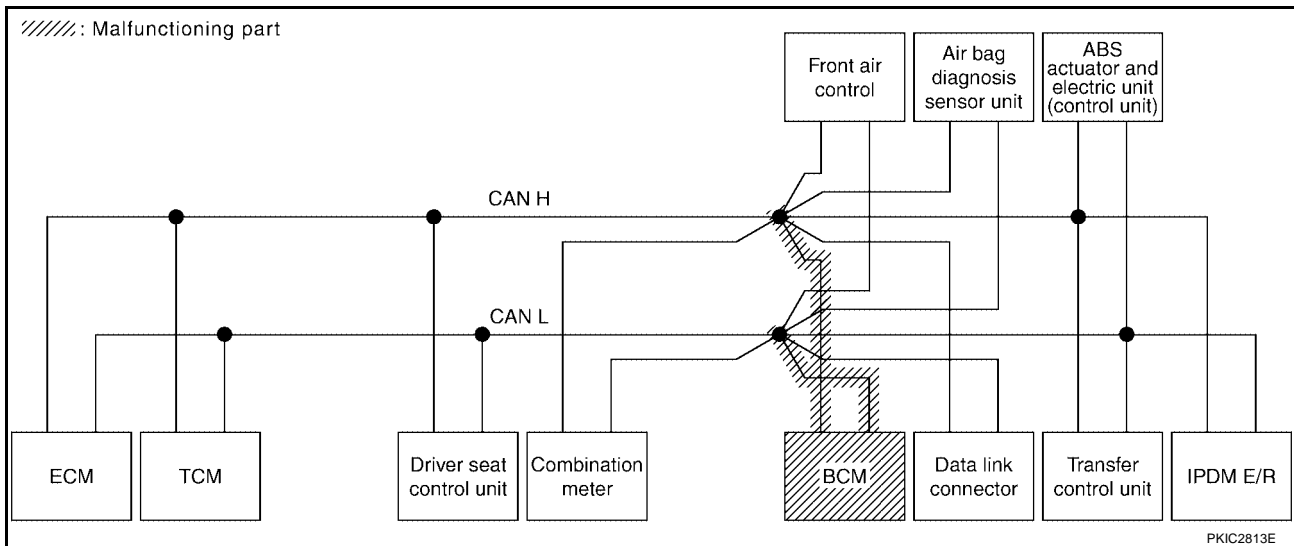
[CAN]

Case 8

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 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)	—
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 indication	—	UNKWN	UNKWN	—	—	UNKWN ✓	—	—	—	CAN COMM CIRCUIT (U1000)	—

PKIC3312E



PKIC2813E

CAN SYSTEM (TYPE 9)

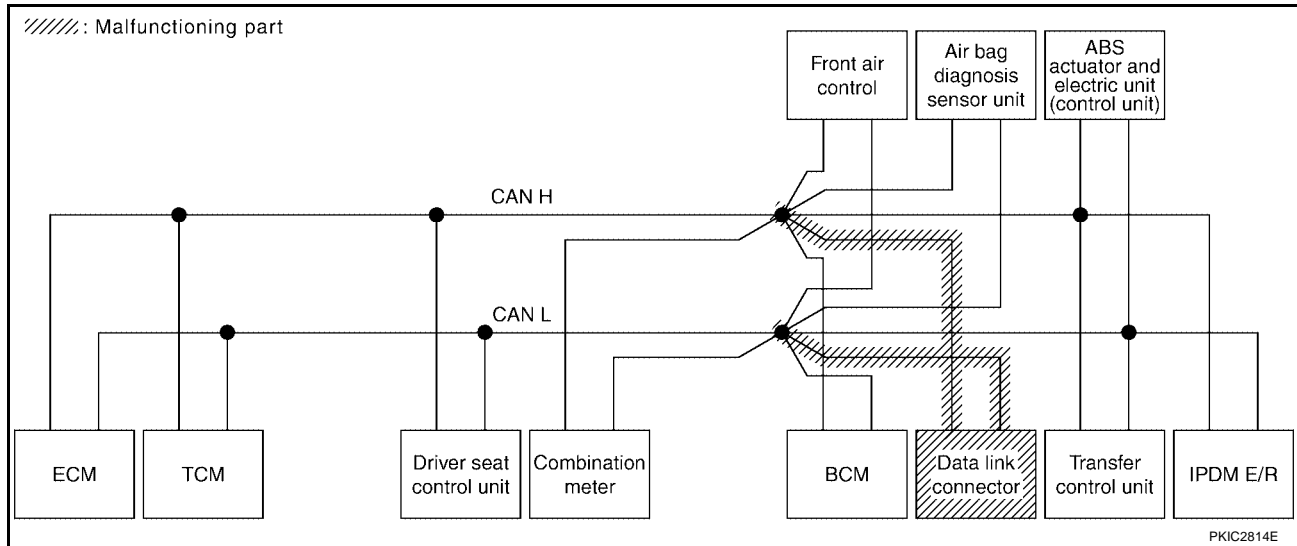
[CAN]

Case 9

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 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)	-
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 indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3313E



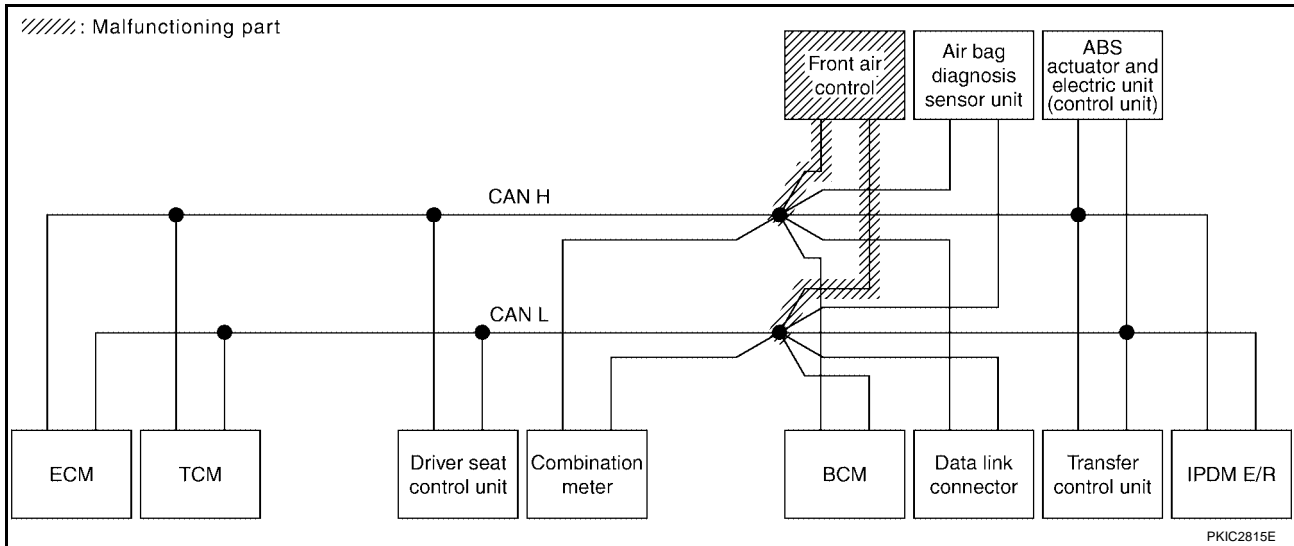
PKIC2814E

Case 10

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 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)	–
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 indication	–	UNKWN	UNKWN	–	–	UNKWN	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3314E



CAN SYSTEM (TYPE 9)

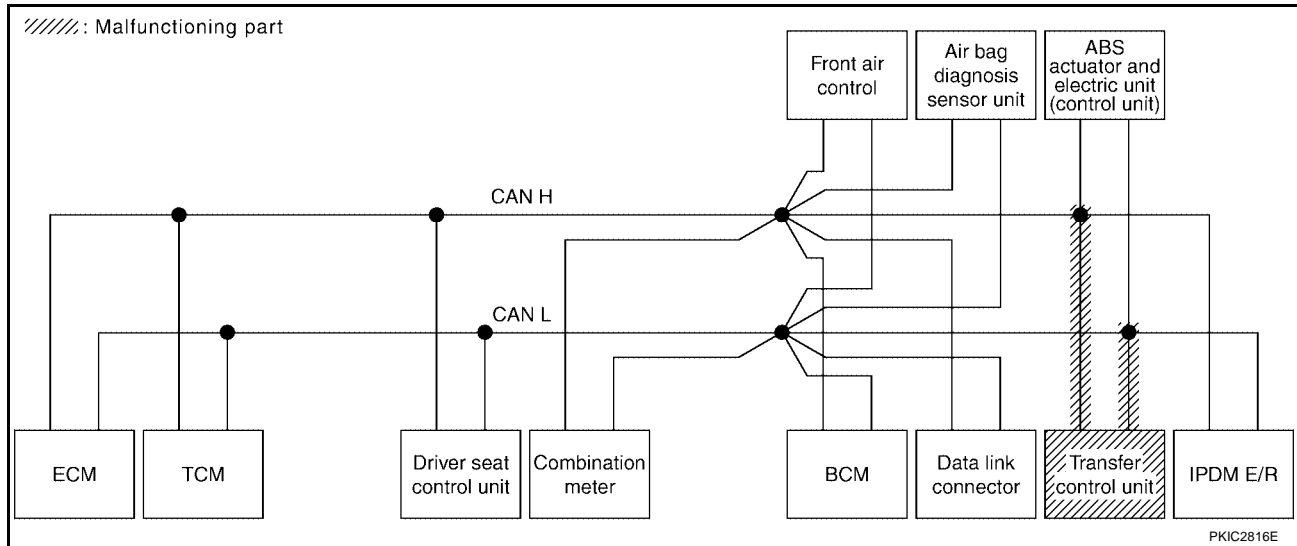
[CAN]

Case 11

Check transfer control unit circuit. Refer to [LAN-361, "Transfer Control Unit Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
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 (U000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3315E



CAN SYSTEM (TYPE 9)

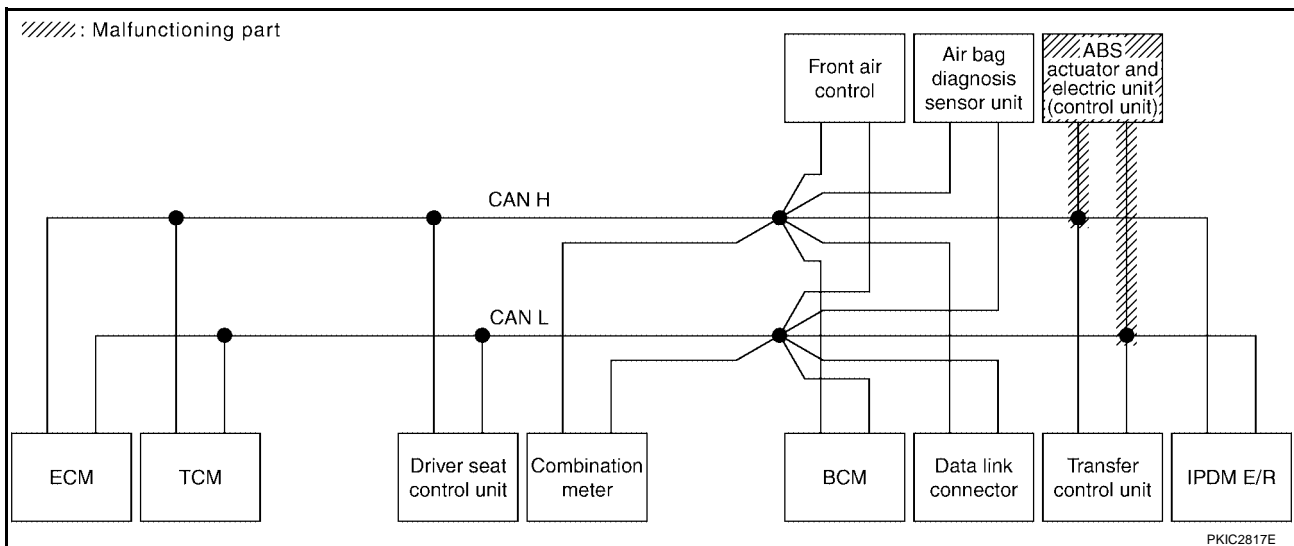
[CAN]

Case 12

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	—	NG	UNKWN	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 indication	—	UNKWN	UNKWN	—	—	UNKWN	—	—	—	—	CAN COMM CIRCUIT (U1000)	—

PKIC3316E

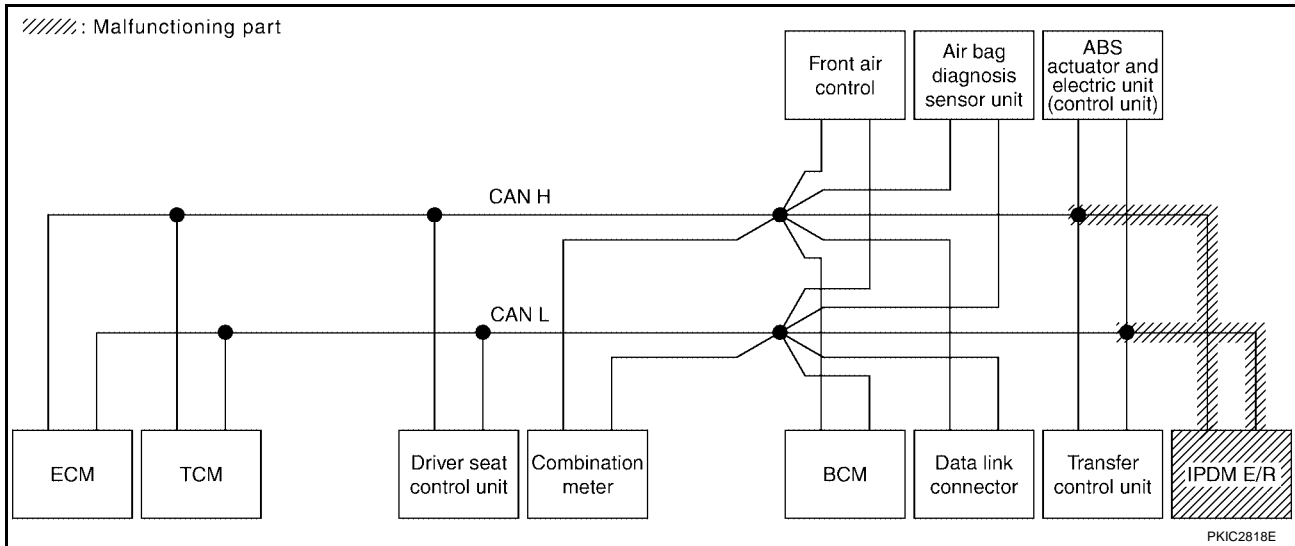


Case 13

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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)	-
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 indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3317E



Case 14

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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)	-
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 indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3318E

CAN SYSTEM (TYPE 9)

[CAN]

Case 15

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 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)	–
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 indication	–	UNKWN	UNKWN	–	–	UNKWN	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3319E

Case 16

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR									SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive 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 COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	–	NG	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	–	–	–	–	–	CAN COMM CIRCUIT (U1000)	–
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	UNKWN	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3320E

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 —"](#) .

CAN SYSTEM (TYPE 10)

[CAN]

UKS004PU

Check Sheet

NOTE:

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

Check sheet table													SELF-DIAG RESULTS		
SELECT SYSTEM screen		Initial diagnosis	Transmit diagnosis	CAN DIAG SUPPORT MNTR											
				Receive diagnosis											
				ECM	TCM	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	-	-	-	-	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	-	-	CAN COMM CIRCUIT (U1000)	-	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	-
Symptoms :															
<div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="border: 1px solid black; width: 150px; height: 150px; display: flex; align-items: center; justify-content: center;"> <p>Attach copy of SELECT SYSTEM</p> </div> <div style="border: 1px solid black; width: 150px; height: 150px; display: flex; align-items: center; justify-content: center;"> <p>Attach copy of SELECT SYSTEM</p> </div> </div>															
Display control unit Translation Sheet: Rewrite the following names, and put a check mark on the above check sheet table.															
Confirmation/Adjustment Display	Check sheet table Display	Confirmation/Adjustment Display	Check sheet table Display												
CAN COMM	Initial diagnosis	CAN CIRC 5	METER/M&A												
CAN CIRC 1	Transmit diagnosis	CAN CIRC 6	-												
CAN CIRC 2	BCM	CAN CIRC 7	IPDM E/R												
CAN CIRC 3	ECM	CAN CIRC 8	-												
CAN CIRC 4	HVAC	CAN CIRC 9	-												
<p>Attach copy of display control unit CAN DIAG SUPPORT MONITOR check sheet</p>															

PKIC2946E

A
B
C
D
E
F
G
H
I
J
L
M

LAN

CAN SYSTEM (TYPE 10)

[CAN]

Attach copy of
ENGINE
SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
AUTO DRIVE POS.
SELF-DIAG RESULTS

Attach copy of
BCM
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
ALL MODE AWD/4WD
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

Attach copy of
IPDM E/R
SELF-DIAG RESULTS

Attach copy of
ENGINE
CAN DIAG SUPPORT
MNTR

Attach copy of
A/T
CAN DIAG SUPPORT
MNTR

Attach copy of
AUTO DRIVE POS.
CAN DIAG SUPPORT
MNTR

Attach copy of
BCM
CAN DIAG SUPPORT
MNTR

Attach copy of
HVAC
CAN DIAG SUPPORT
MNTR

Attach copy of
ALL MODE AWD/4WD
CAN DIAG SUPPORT
MNTR

Attach copy of
ABS
CAN DIAG SUPPORT
MNTR

Attach copy of
IPDM E/R
CAN DIAG SUPPORT
MNTR

PKIB6773E

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

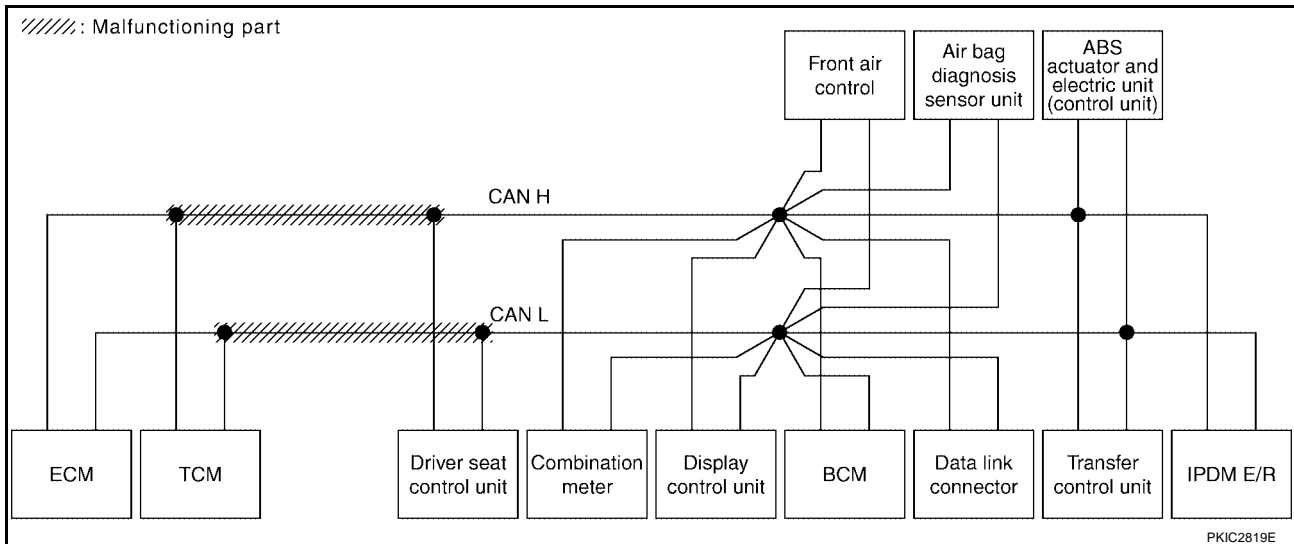
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R				
ENGINE	-	-	UNKWN	-	UNKWN	✓	-	✓	-	✓	✓	✓	✓	✓	✓	
A/T	-	NG	UNKWN	UNKWN	-	✓	-	-	-	✓	✓	-	✓	-		
AUTO DRIVE POS.	No indication	-	-	-	✓	UNKWN	-	UNKWN	-	-	-	-	✓	-		
Display control unit	-	NG	UNKWN	✓	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-		
BCM	No indication	NG	UNKWN	✓	-	UNKWN	-	-	-	-	-	UNKWN	✓	-		
HVAC	No indication	-	UNKWN	✓	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-		
ALL MODE AWD/4WD	-	NG	UNKWN	✓	✓	UNKWN	-	-	-	-	UNKWN	-	✓	-		
ABS	-	NG	UNKWN	✓	✓	-	-	-	-	UNKWN	-	-	✓	-		
IPDM E/R	No indication	-	UNKWN	✓	-	-	-	UNKWN	-	-	-	-	✓	-		

PKIC3321E

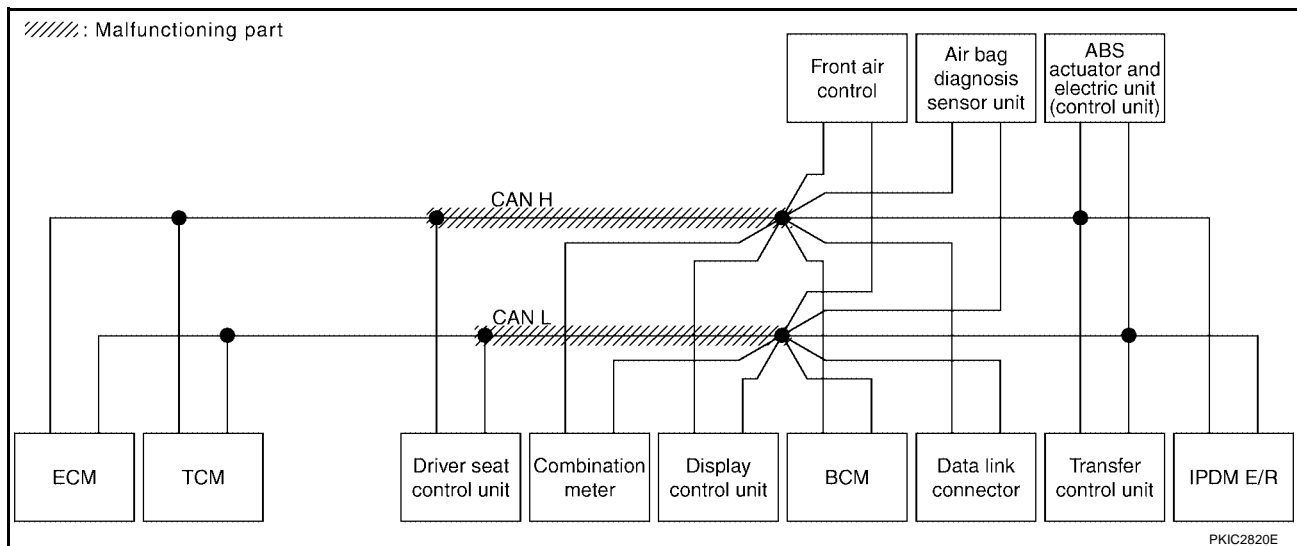


Case 2

Check harness between driver seat control unit and data link connectort. Refer to [LAN-354, "Inspection Between Driver Seat Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS				
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS			IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	✓	UNKWN	-	✓	-	✓	✓	✓	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	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	-	-	-	
BCM	No indication	NG	UNKWN	✓	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-	
HVAC	No indication	-	UNKWN	✓	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	
ALL MODE AWD/4WD	-	NG	UNKWN	✓	✓	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-	
ABS	-	NG	UNKWN	✓	✓	-	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	✓	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3322E



PKIC2820E

CAN SYSTEM (TYPE 10)

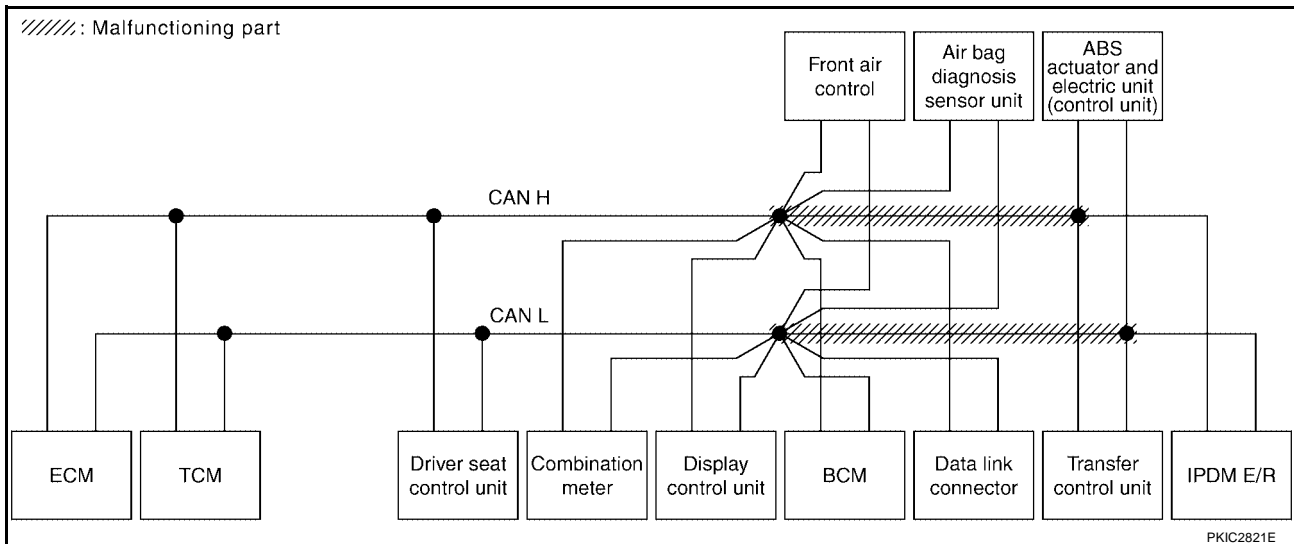
[CAN]

Case 3

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		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/AWD	VDC/TCS /ABS	IPDM E/R				
ENGINE	-	-	UNKWN	-	UNKWN	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	UNKWN	-	-	
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	-	
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	
ALL MODE AWD/AWD	-	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)	-	

PKIC3323E



PKIC2821E

CAN SYSTEM (TYPE 10)

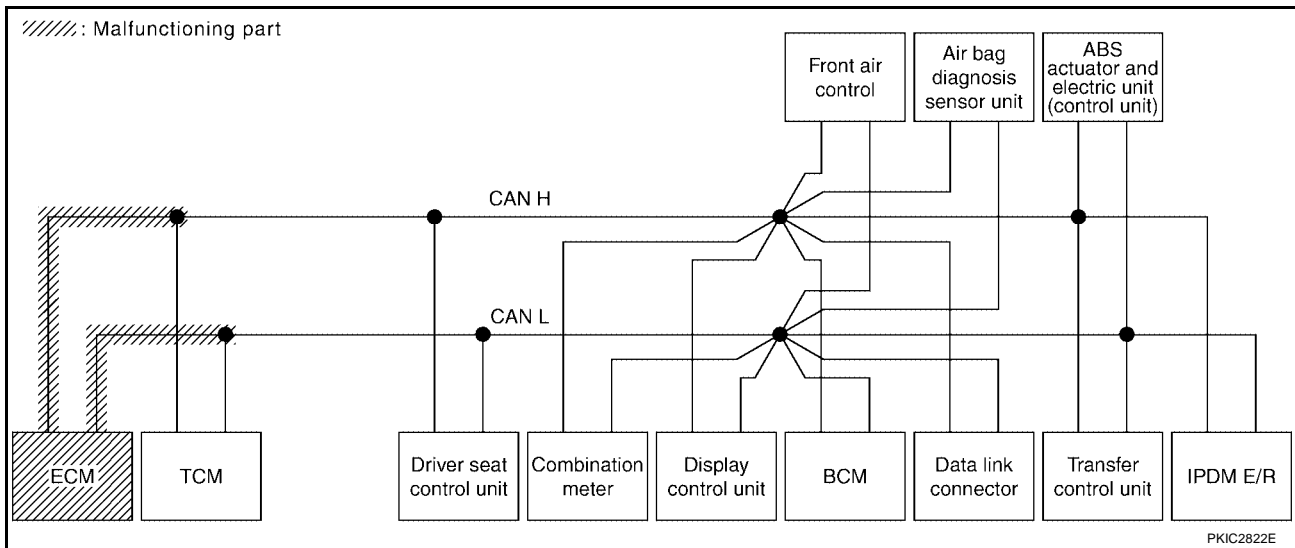
[CAN]

Case 4

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	UNKWN	UNKWN	UNKWN	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	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3324E



CAN SYSTEM (TYPE 10)

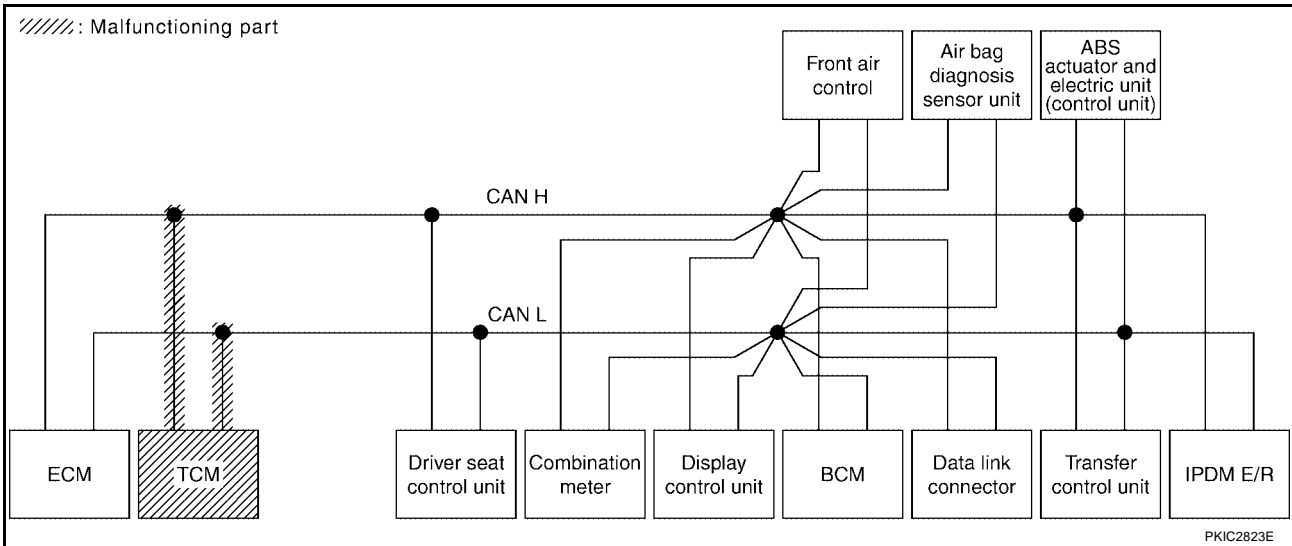
[CAN]

Case 5

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R				
ENGINE	-	-	UNKWN	-	UN KN WN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
A/T	-	NG	UNKWN	UN KN WN	-	UN KN WN	-	-	-	UN KN WN	UN KN WN	-	CAN COMM CIRCUIT (U1000)	-		
AUTO DRIVE POS.	No indication	-	-	-	UN KN WN	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	UN KN WN	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-		
ABS	-	NG	UNKWN	UNKWN	UN KN WN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-		
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-		

PKIC3325E



CAN SYSTEM (TYPE 10)

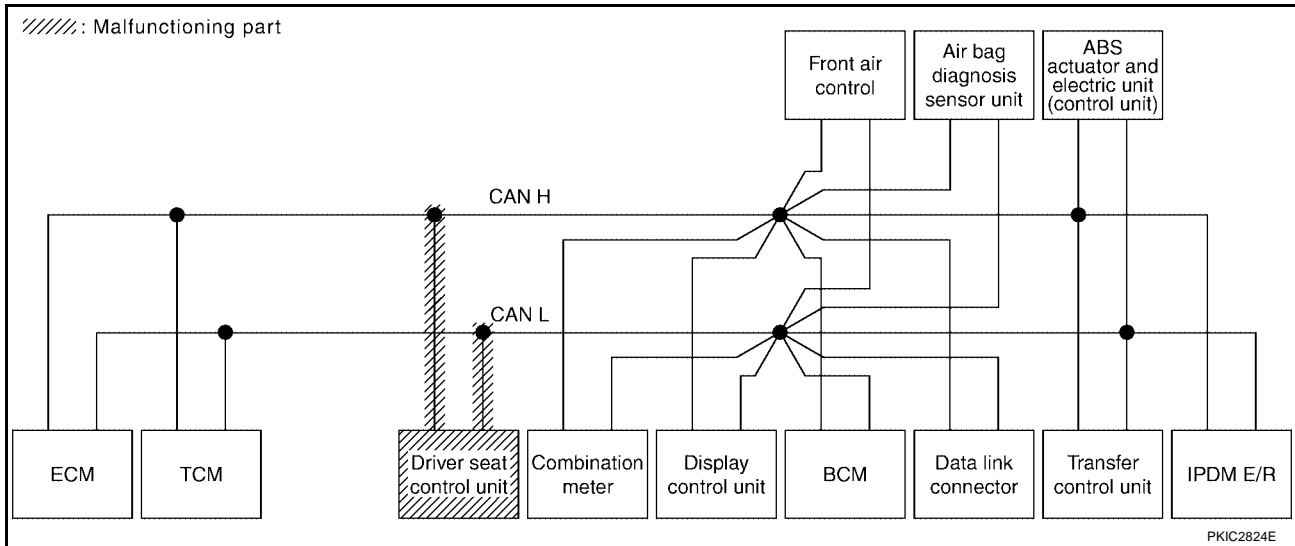
[CAN]

Case 6

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS				
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	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3326E



CAN SYSTEM (TYPE 10)

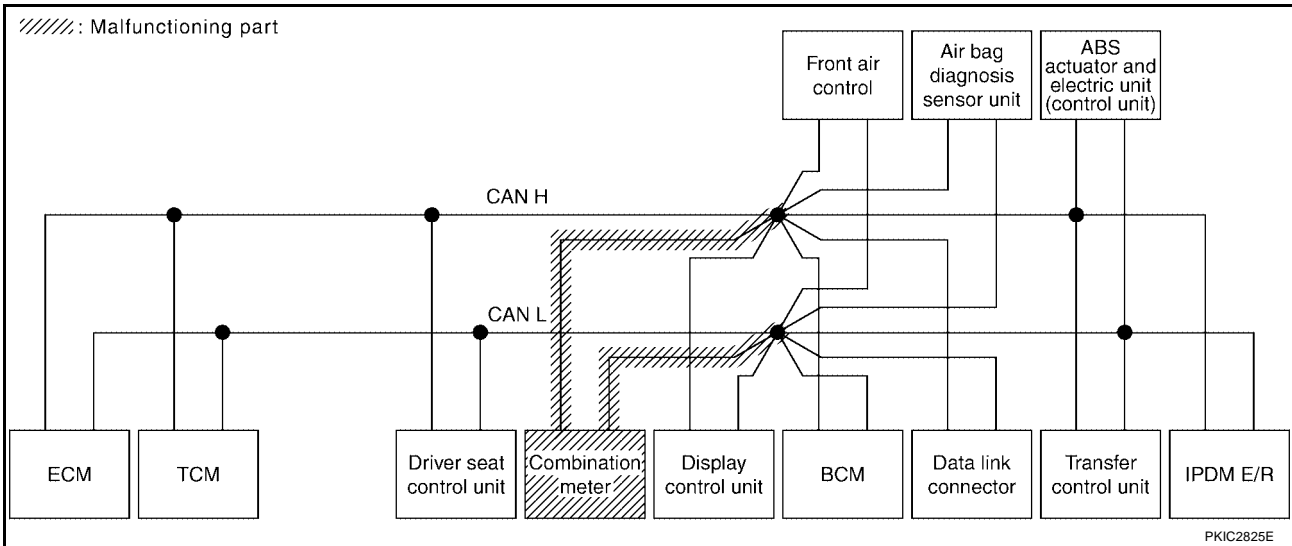
[CAN]

Case 7

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R				
ENGINE	-	-	UNKWN	-	UNKWN	✓	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	✓		
A/T	-	NG	UNKWN	UNKWN	-	✓	-	-	-	UNKWN	UNKWN	-	✓	-		
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	✓	-	UNKWN	-	-	-	-	✓	-		
Display control unit	-	NG	UNKWN	UNKWN	-	✓	-	UNKWN	UNKWN	-	-	UNKWN	-	-		
BCM	No indication	NG	UNKWN	UNKWN	-	✓	-	-	-	-	-	UNKWN	-	-		
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-		
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	✓	-	-	-	-	UNKWN	-	✓	-		
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-		
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	-		

PKIC3327E



CAN SYSTEM (TYPE 10)

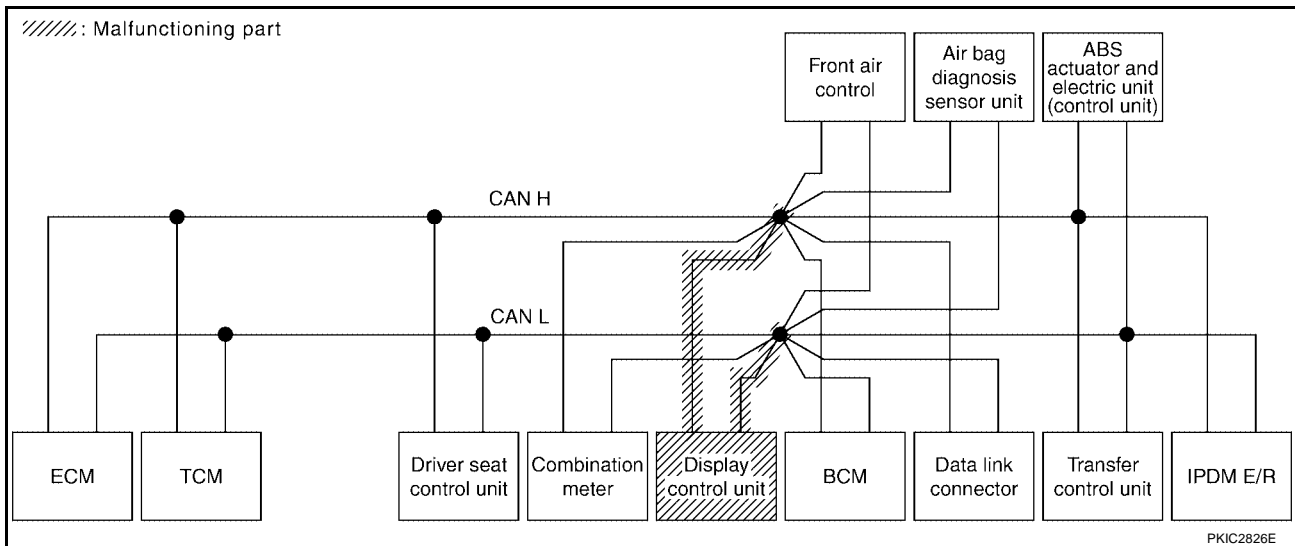
[CAN]

Case 8

Check display control unit circuit. Refer to [LAN-358, "Display Control Unit Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	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	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3328E



CAN SYSTEM (TYPE 10)

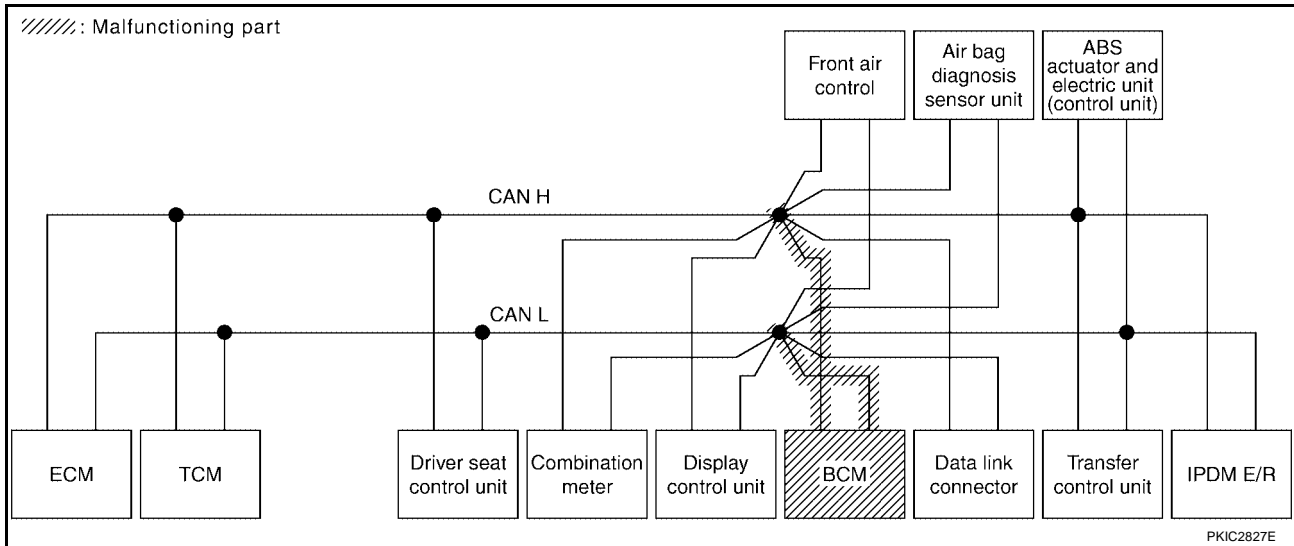
[CAN]

Case 9

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS				
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	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3329E



CAN SYSTEM (TYPE 10)

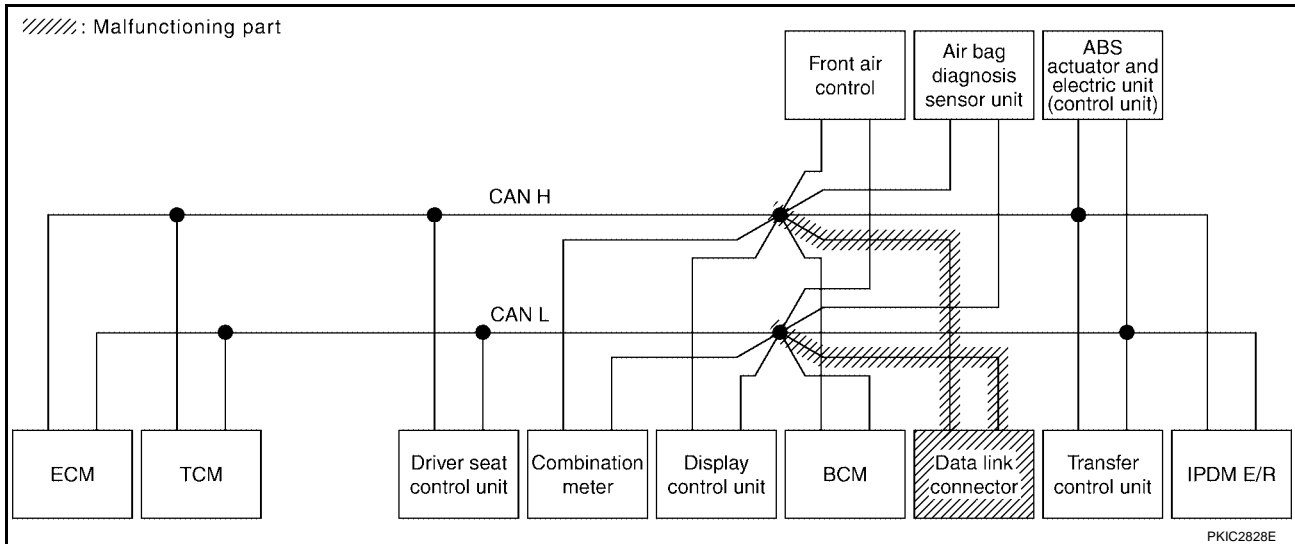
[CAN]

Case 10

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS				
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	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3330E



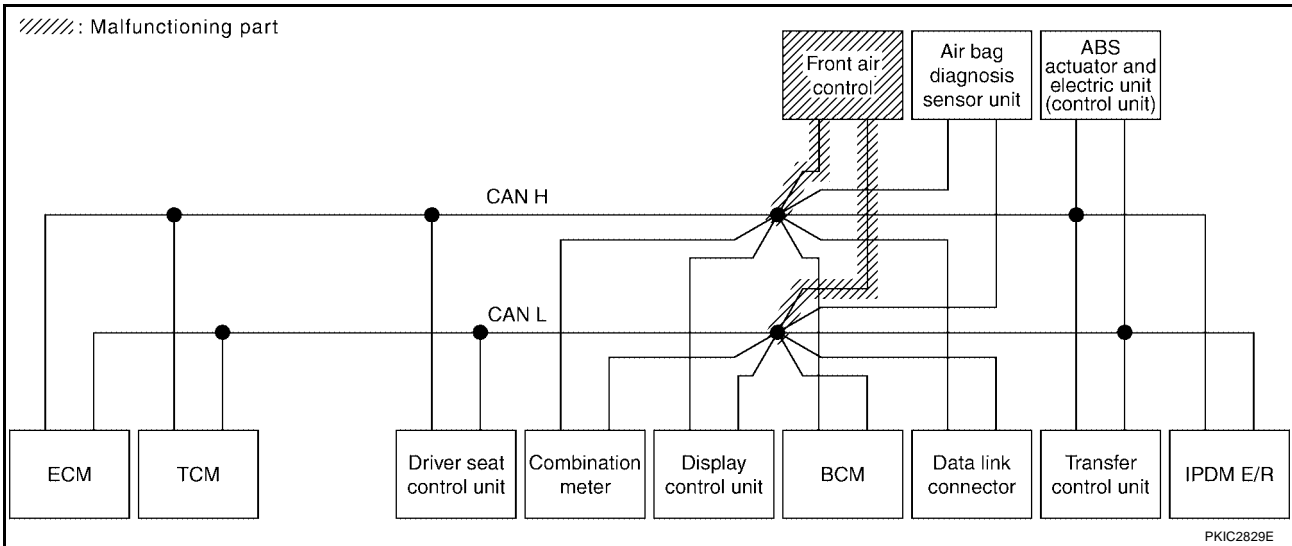
PKIC2828E

Case 11

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
				ECM	TCM	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	-	-	-	-	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	-	-	CAN COMM CIRCUIT (U1000)	-		
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-		

PKIC3331E



CAN SYSTEM (TYPE 10)

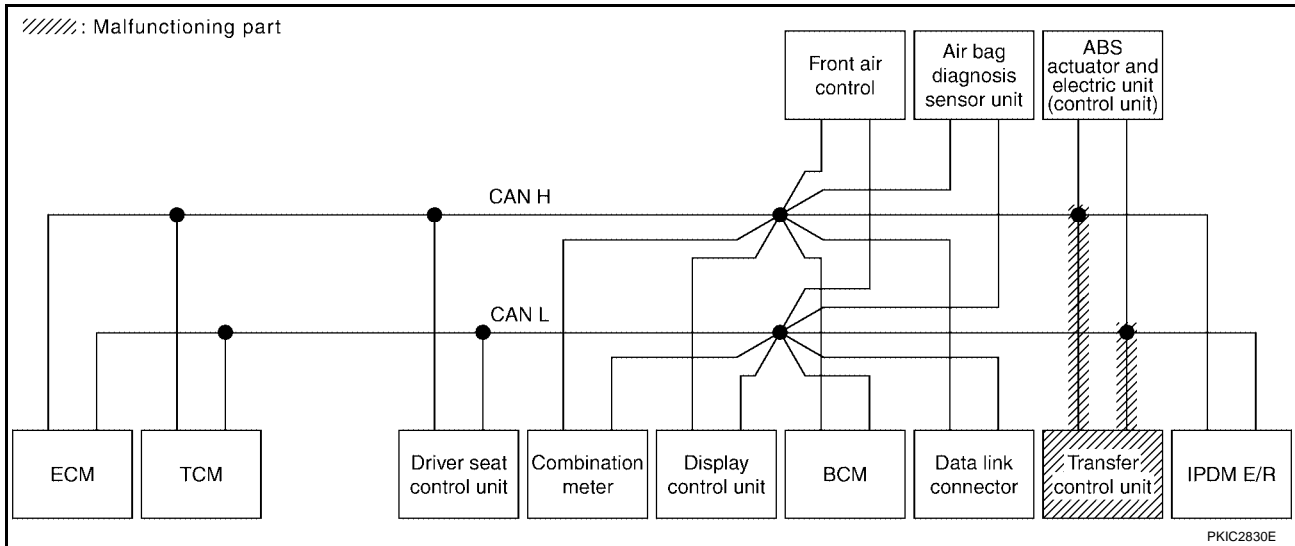
[CAN]

Case 12

Check transfer control unit circuit. Refer to [LAN-361, "Transfer Control Unit Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R	
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS					
ENGINE	-	-	UNKWN	-	UNKWN	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	-	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3332E



CAN SYSTEM (TYPE 10)

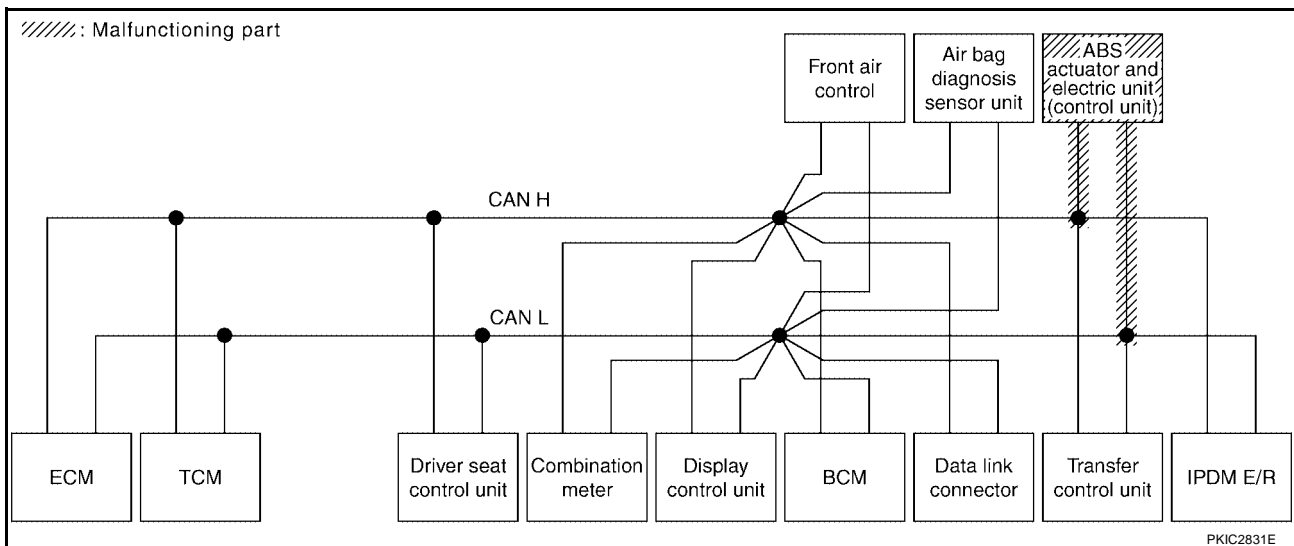
[CAN]

Case 13

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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	-	✓	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3333E



CAN SYSTEM (TYPE 10)

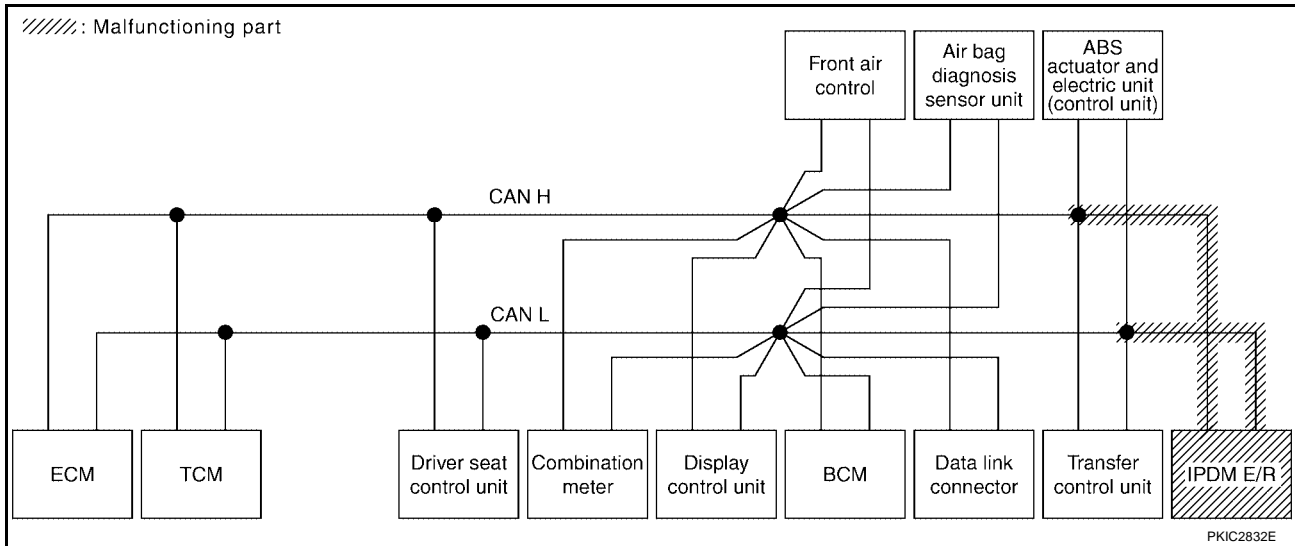
[CAN]

Case 14

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	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	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3334E



Case 15

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	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	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3335E

CAN SYSTEM (TYPE 10)

[CAN]

Case 16

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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	-	-	-	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 [LAN-364, "IPDM E/R Ignition Relay Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	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 (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3337E

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 —"](#) .

CAN SYSTEM (TYPE 11)

[CAN]

UKS004PT

Check Sheet

NOTE:

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

Check sheet table														
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	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	-	-	-	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

PKIC2947E

A
B
C
D
E
F
G
H
I
J
LAN
L
M

CAN SYSTEM (TYPE 11)

[CAN]

Attach copy of ENGINE SELF-DIAG RESULTS	Attach copy of A/T SELF-DIAG RESULTS	Attach copy of DIFF LOCK SELF-DIAG RESULTS	Attach copy of BCM SELF-DIAG RESULTS
Attach copy of HVAC SELF-DIAG RESULTS	Attach copy of ALL MODE AWD/4WD SELF-DIAG RESULTS	Attach copy of ABS SELF-DIAG RESULTS	Attach copy of IPDM E/R SELF-DIAG RESULTS
Attach copy of ENGINE CAN DIAG SUPPORT MNTR	Attach copy of A/T CAN DIAG SUPPORT MNTR	Attach copy of DIFF LOCK CAN DIAG SUPPORT MNTR	Attach copy of BCM CAN DIAG SUPPORT MNTR
Attach copy of HVAC CAN DIAG SUPPORT MNTR	Attach copy of ALL MODE AWD/4WD CAN DIAG SUPPORT MNTR	Attach copy of ABS CAN DIAG SUPPORT MNTR	Attach copy of IPDM E/R CAN DIAG SUPPORT MNTR

PKIB6677E

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

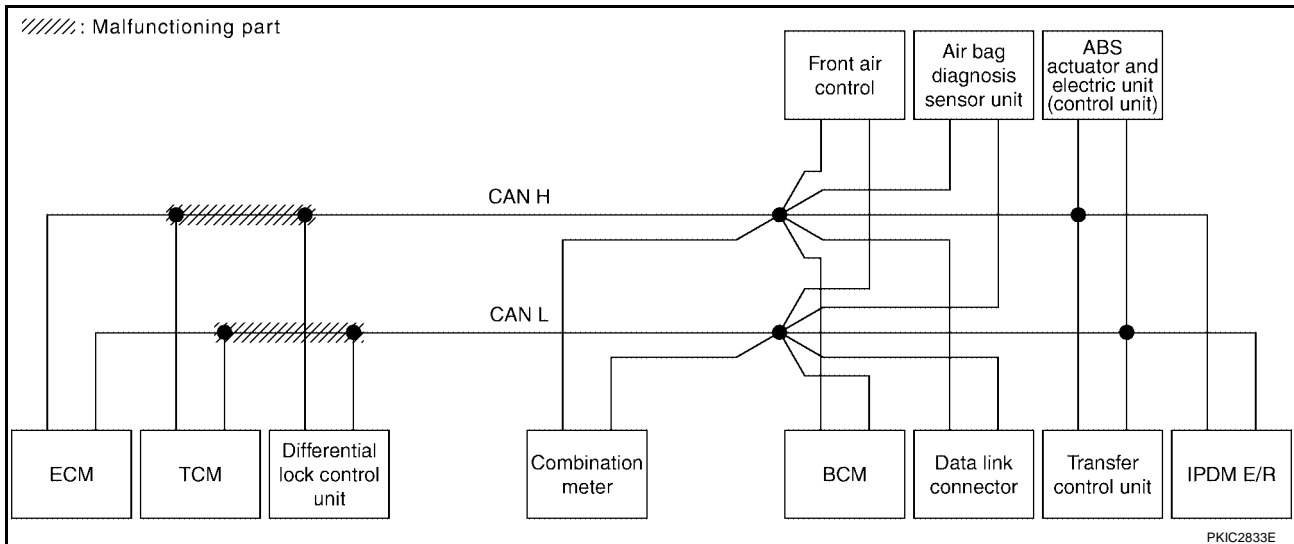
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and differential lock control unit. Refer to [LAN-349. "Inspection Between TCM and Differential Lock Control Unit Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	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	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	✓	-	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	✓	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	✓	✓	-	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	✓	✓	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	✓	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3338E

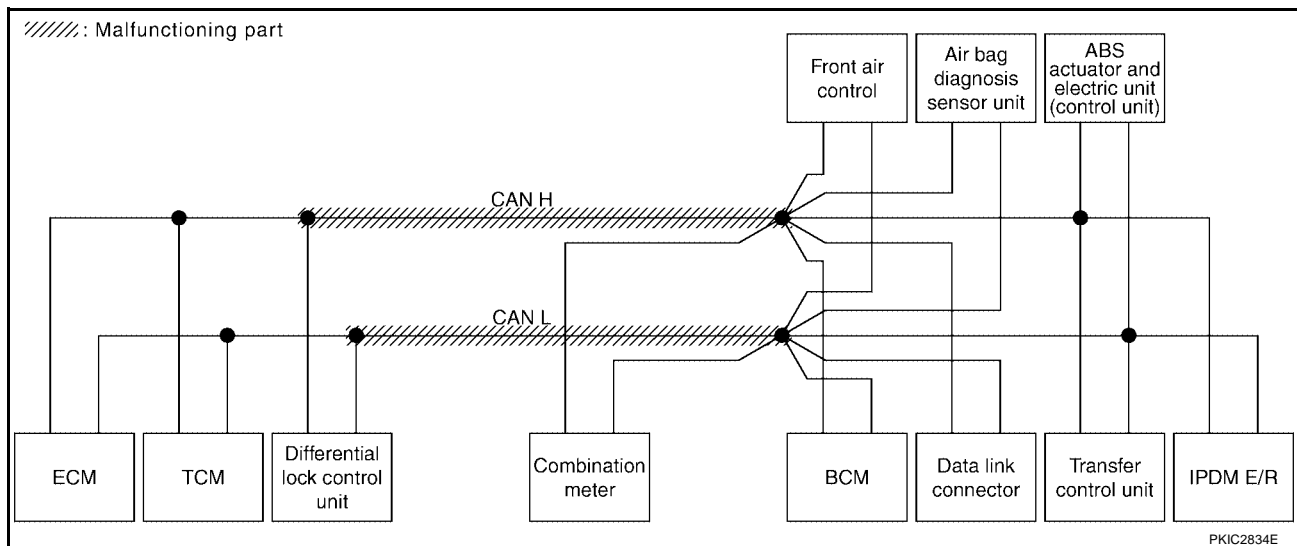


Case 2

Check harness between differential lock control unit and data link connector. Refer to [LAN-353, "Inspection Between Differential Lock Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	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)	-

PKIC3339E

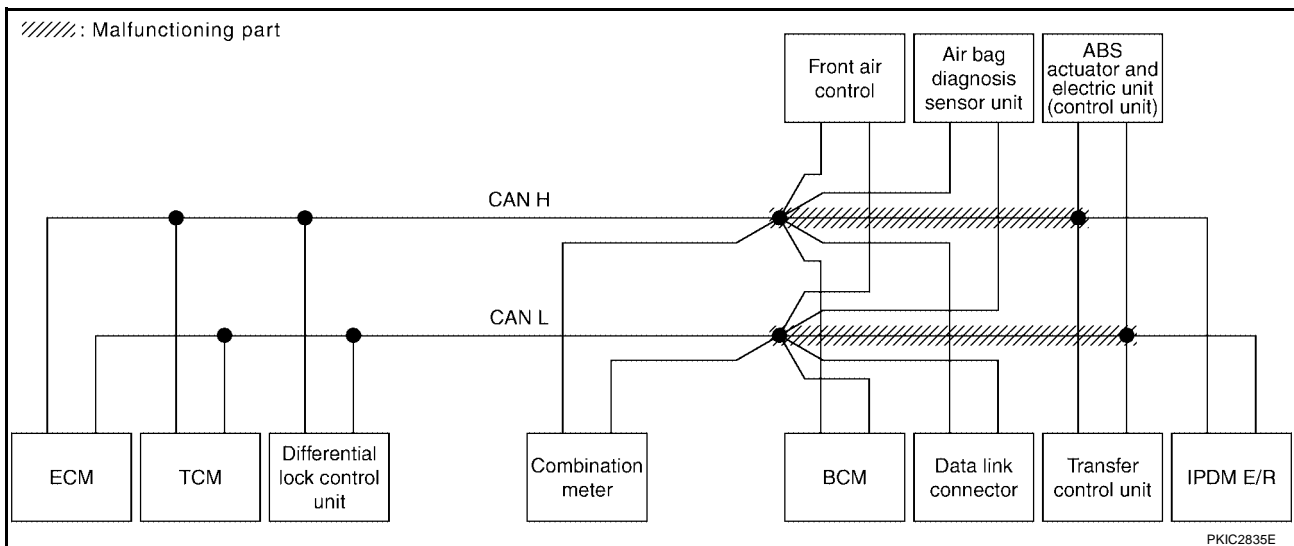


Case 3

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		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R				
ENGINE	–	–	UNKWN	–	UNKWN	–	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	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)	–

PKIC3340E

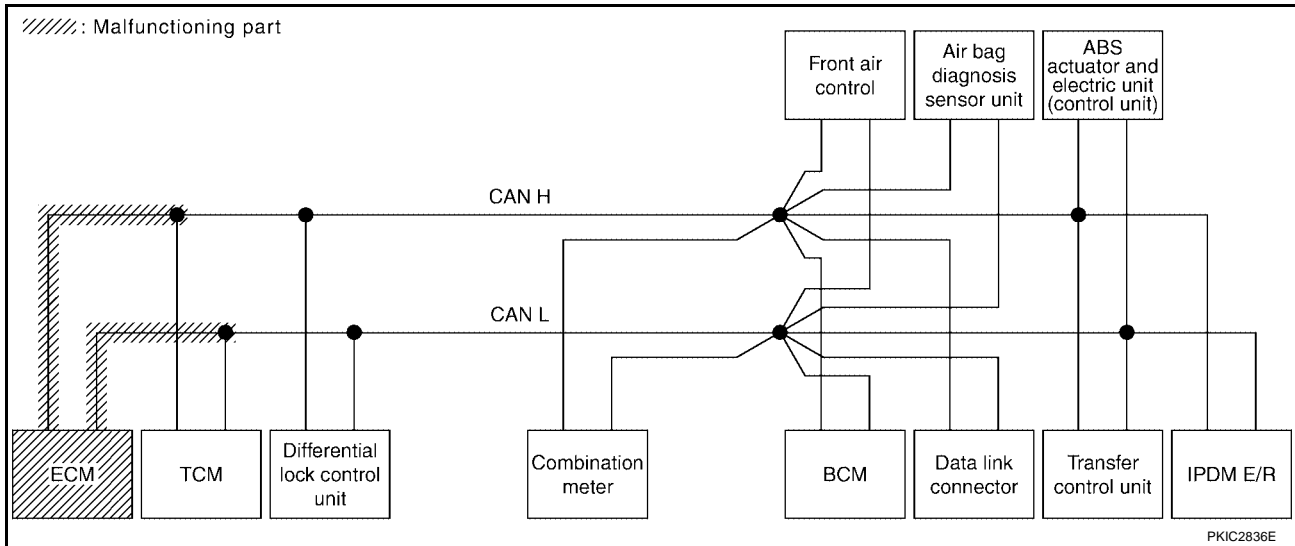


Case 4

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKW [✓] N	-	UNKW [✓] N	-	UNKW [✓] N	UNKW [✓] N	UNKW [✓] N	UNKW [✓] N	UNKW [✓] N	UNKW [✓] N	CAN COMM CIRCUI [✓] T (U1000)	CAN COMM CIRCUI [✓] T (U1001)
A/T	-	NG	UNKW [✓] N	UNKW [✓] N	-	-	UNKW [✓] N	-	UNKW [✓] N	UNKW [✓] N	UNKW [✓] N	-	CAN COMM CIRCUI [✓] T (U1000)	-
DIFF LOCK	-	NG	UNKW [✓] N	UNKW [✓] N	-	-	-	-	UNKW [✓] N	UNKW [✓] N	-	-	CAN COMM CIRCUI [✓] T (U1000)	-
BCM	No indication	NG	UNKW [✓] N	UNKW [✓] N	-	-	UNKW [✓] N	-	-	-	UNKW [✓] N	-	CAN COMM CIRCUI [✓] T (U1000)	-
HVAC	No indication	-	UNKW [✓] N	UNKW [✓] N	-	-	-	UNKW [✓] N	-	UNKW [✓] N	UNKW [✓] N	-	-	-
ALL MODE AWD/4WD	-	NG	UNKW [✓] N	UNKW [✓] N	UNKW [✓] N	-	UNKW [✓] N	-	-	UNKW [✓] N	-	-	CAN COMM CIRCUI [✓] T (U1000)	-
ABS	-	NG	UNKW [✓] N	UNKW [✓] N	UNKW [✓] N	UNKW [✓] N	-	-	UNKW [✓] N	-	-	-	CAN COMM CIRCUI [✓] T (U1000)	-
IPDM E/R	No indication	-	UNKW [✓] N	UNKW [✓] N	-	-	-	UNKW [✓] N	-	-	-	-	CAN COMM CIRCUI [✓] T (U1000)	-

PKIC3341E

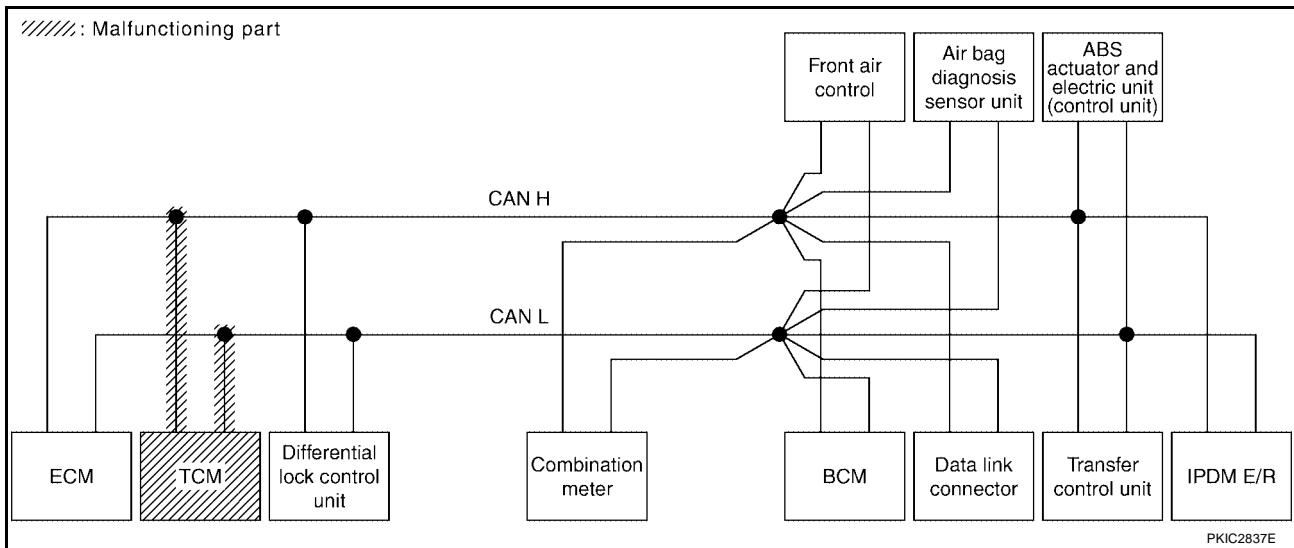


Case 5

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-
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 (U000)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3342E



CAN SYSTEM (TYPE 11)

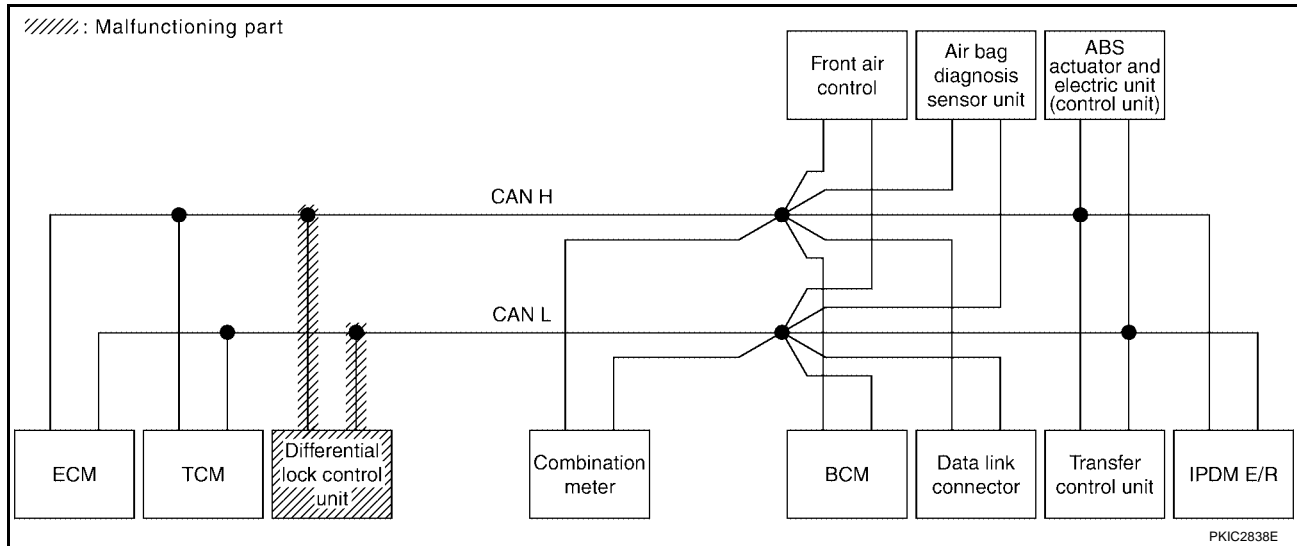
[CAN]

Case 6

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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	-	-	-	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)	-

PKIC3343E



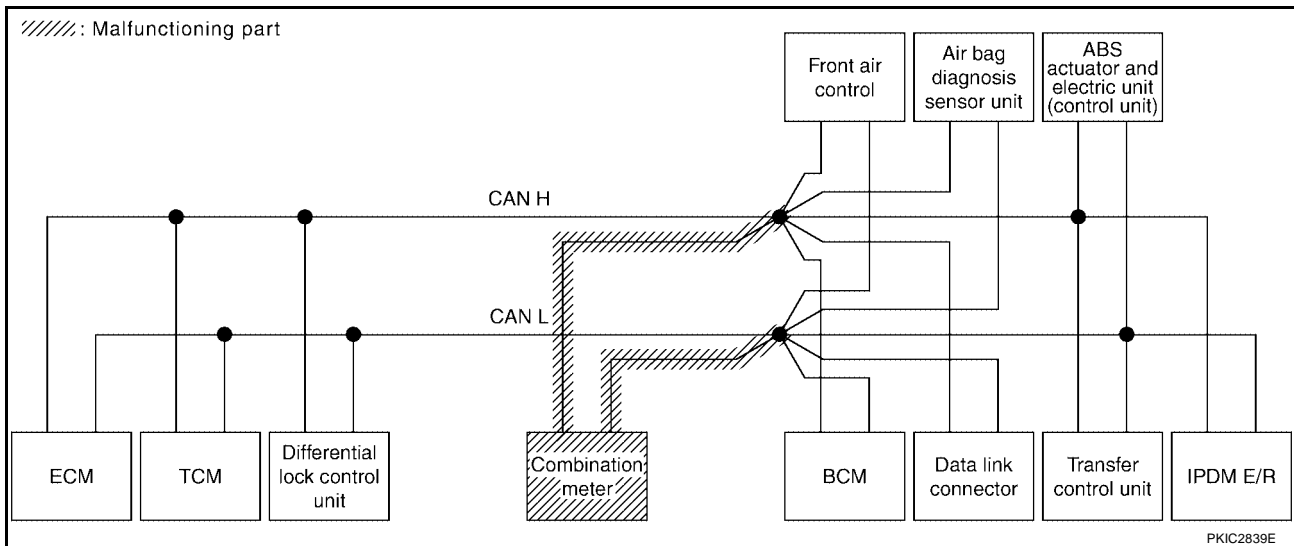
PKIC2838E

Case 7

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	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 (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	–	–	CAN COMM CIRCUIT (U1000)	–
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	–	UNKWN	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3344E



CAN SYSTEM (TYPE 11)

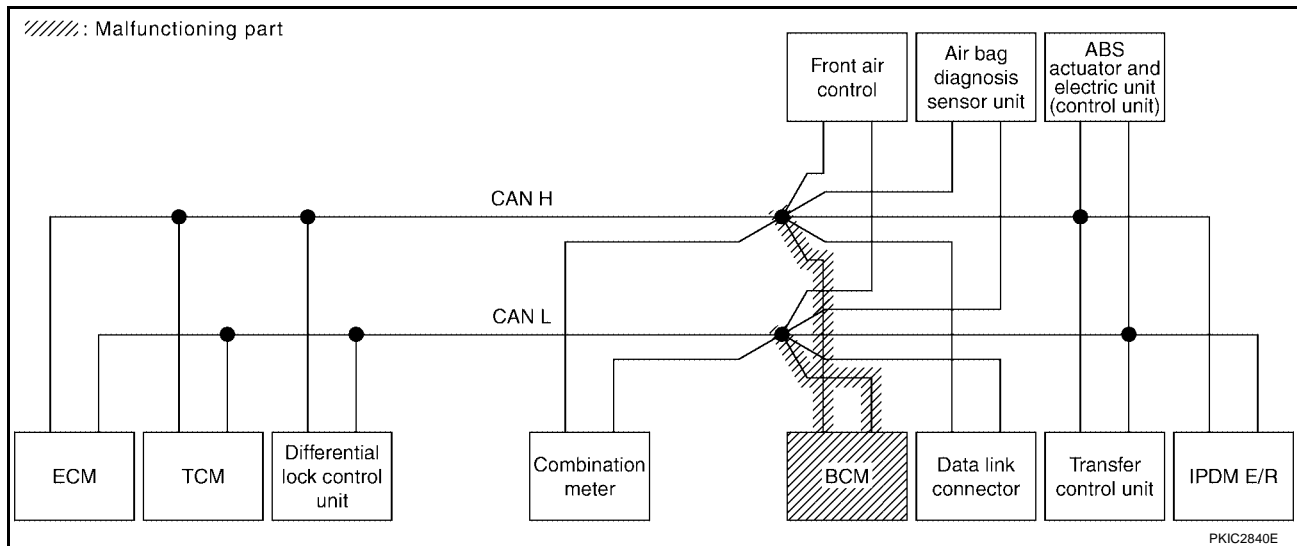
[CAN]

Case 8

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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	-	-	-	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)	-

PKIC3345E



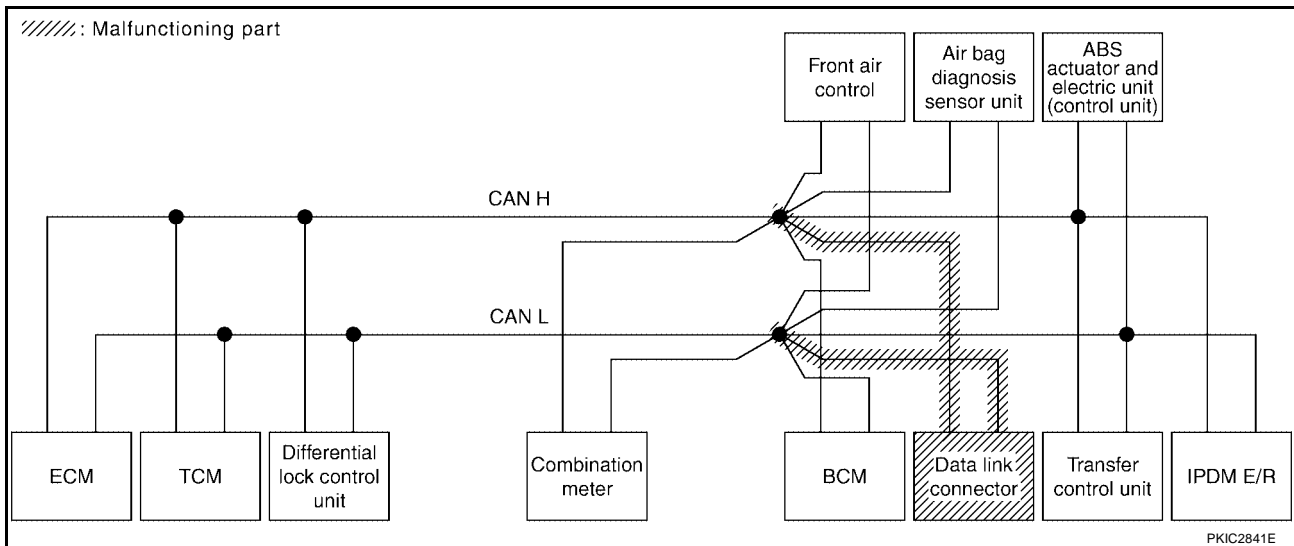
PKIC2840E

Case 9

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	–	–	UNKWN	–	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	–	–	–	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)	–

PKIC3346E



CAN SYSTEM (TYPE 11)

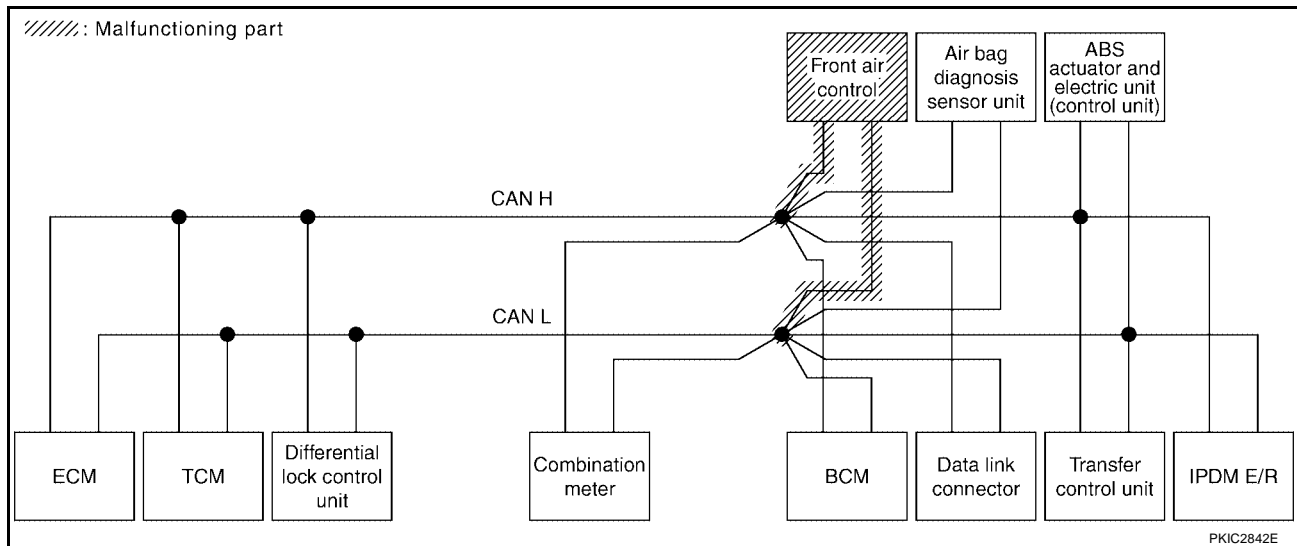
[CAN]

Case 10

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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	-	-	-	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)	-

PKIC3347E

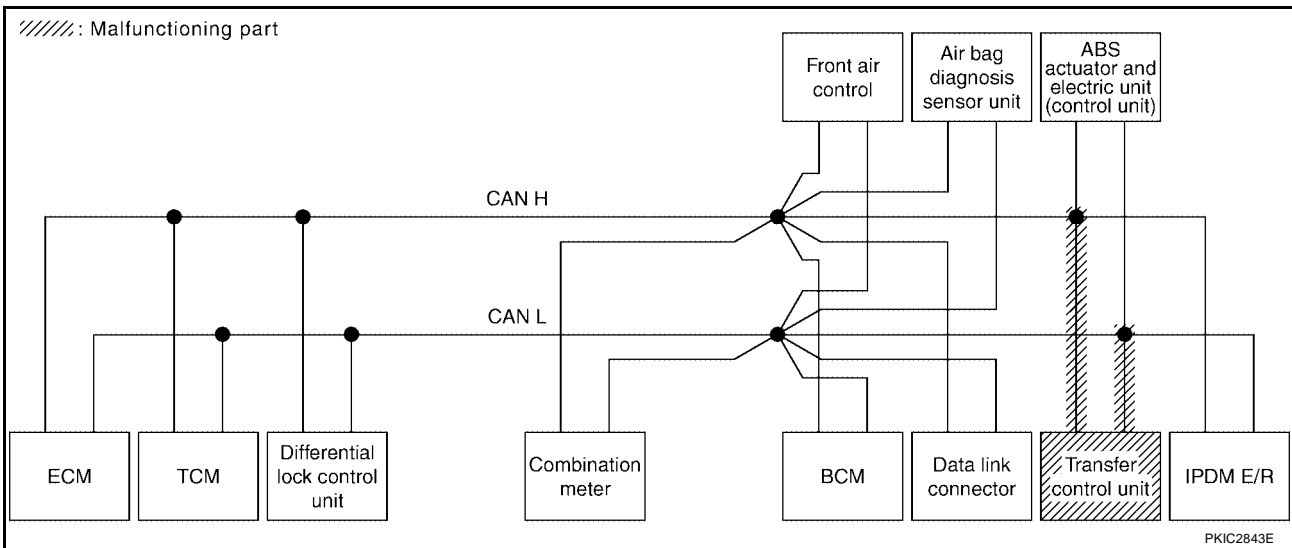


Case 11

Check transfer control unit circuit. Refer to [LAN-361, "Transfer Control Unit Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	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 (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	UNKWN	CAN COMM CIRCUIT (U1000)	–
HVAC	No indication	–	UNKWN	UNKWN	–	–	–	UNKWN	–	UNKWN	UNKWN	UNKWN	–	–
ALL MODE AWD/4WD	–	NG	✓	✓	✓	–	✓	–	–	✓	–	–	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)	–

PKIC3348E



CAN SYSTEM (TYPE 11)

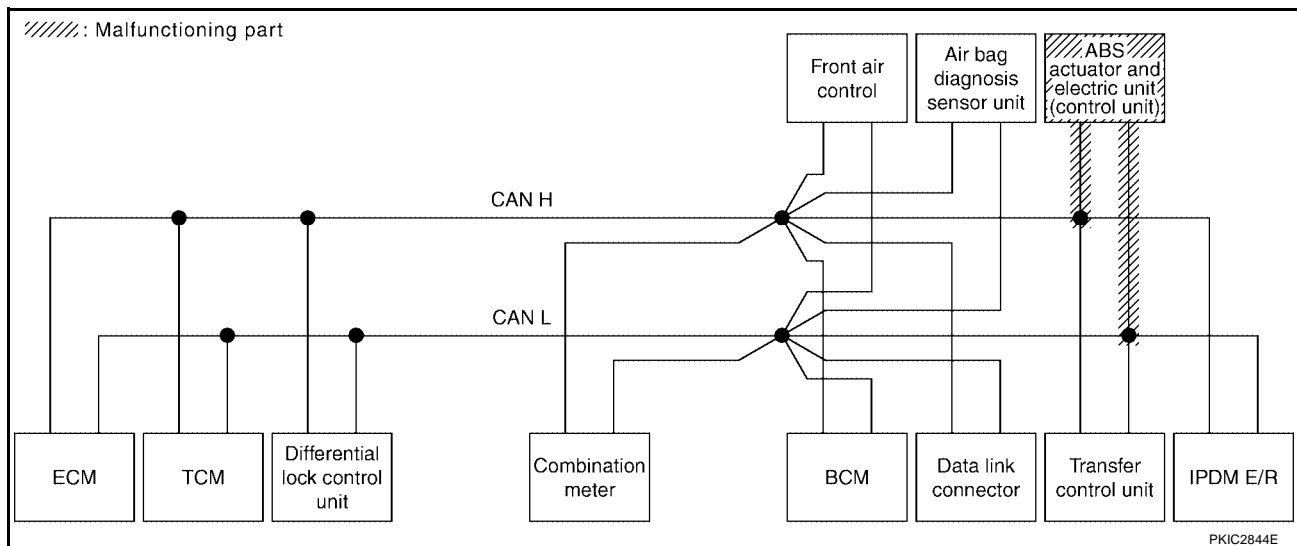
[CAN]

Case 12

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	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	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)	-

PKIC3349E



CAN SYSTEM (TYPE 11)

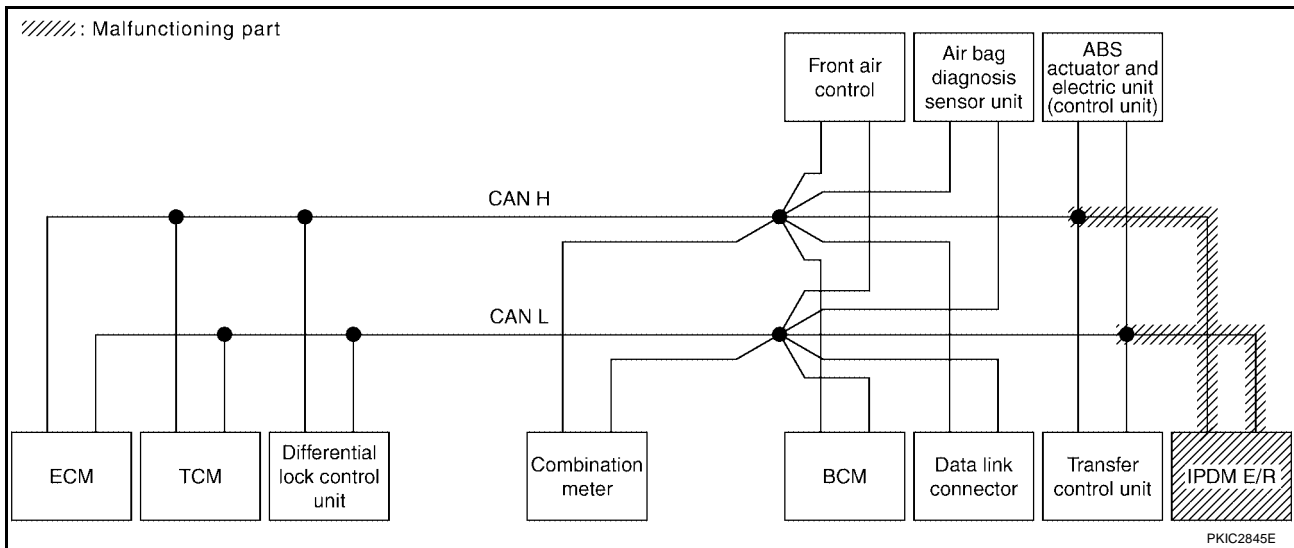
[CAN]

Case 13

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R				
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	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	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	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)	-

PKIC3350E



Case 14

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R				
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	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	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	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)	-

PKIC3351E

CAN SYSTEM (TYPE 11)

[CAN]

Case 15

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	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 (U1001)
A/T	–	NG	UNKWN	UNKWN	–	–	UNKWN	–	UNKWN	UNKWN	–	–	CAN COMM CIRCUIT (U1000)	–
DIFF LOCK	–	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	–	–	–
ALL MODE AWD/4WD	–	NG	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)	–

PKIC3352E

Case 16

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	–	–	UNKWN	–	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)	–
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 (U1000)	–
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	–	UNKWN	–	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3353E

CAN SYSTEM (TYPE 12)

[CAN]

CAN SYSTEM (TYPE 12)

PF:23710

Component Parts and Harness Connector Location

UKS004NI

A

Refer to [LAN-25, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS004NJ

B

Refer to [LAN-26, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004NK

C

Refer to [LAN-27, "Wiring Diagram — CAN —"](#) .

D

E

F

G

H

I

J

LAN

L

M

CAN SYSTEM (TYPE 12)

[CAN]

UKS004PS

Check Sheet

NOTE:

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

Check sheet table														
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	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)	-

Symptoms :

Attach copy of
SELECT SYSTEM

Attach copy of
SELECT SYSTEM

PKIC2948E

CAN SYSTEM (TYPE 12)

[CAN]

A
B
C
D
E
F
G
H
I
J
LAN
L
M

Attach copy of
ENGINE
SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
DIFF LOCK
SELF-DIAG RESULTS

Attach copy of
AUTO DRIVE POS.
SELF-DIAG RESULTS

Attach copy of
BCM
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
ALL MODE AWD/4WD
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

Attach copy of
IPDM E/R
SELF-DIAG RESULTS

PKIB6695E

CAN SYSTEM (TYPE 12)

[CAN]

Attach copy of
ENGINE
CAN DIAG SUPPORT
MNTR

Attach copy of
A/T
CAN DIAG SUPPORT
MNTR

Attach copy of
DIFF LOCK
CAN DIAG SUPPORT
MNTR

Attach copy of
AUTO DRIVE POS.
CAN DIAG SUPPORT
MNTR

Attach copy of
BCM
CAN DIAG SUPPORT
MNTR

Attach copy of
HVAC
CAN DIAG SUPPORT
MNTR

Attach copy of
ALL MODE AWD/4WD
CAN DIAG SUPPORT
MNTR

Attach copy of
ABS
CAN DIAG SUPPORT
MNTR

Attach copy of
IPDM E/R
CAN DIAG SUPPORT
MNTR

PKIB6696E

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

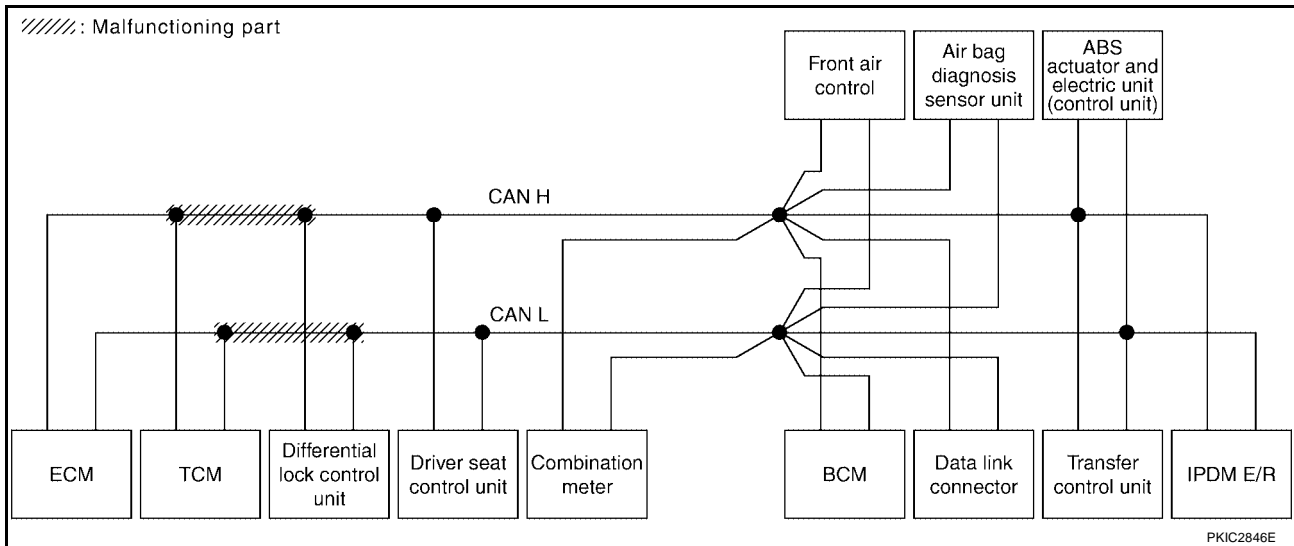
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	—	—	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	—	—	CAN COMM CIRCUIT (U1000)	—
AUTO DRIVE POS.	No indication	—	—	—	✓	—	UNKWN	UNKWN	—	—	—	—	CAN COMM CIRCUIT (U1000)	—
BCM	No indication	NG	UNKWN	✓	—	—	UNKWN	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000)	—
HVAC	No indication	—	UNKWN	✓	—	—	—	UNKWN	—	UNKWN	—	—	—	—
ALL MODE AWD/4WD	—	NG	UNKWN	✓	✓	—	UNKWN	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
ABS	—	NG	UNKWN	✓	✓	UNKWN	—	—	UNKWN	—	—	—	CAN COMM CIRCUIT (U1000)	—
IPDM E/R	No indication	—	UNKWN	✓	—	—	—	UNKWN	—	—	—	—	CAN COMM CIRCUIT (U1000)	—

PKIC3354E



CAN SYSTEM (TYPE 12)

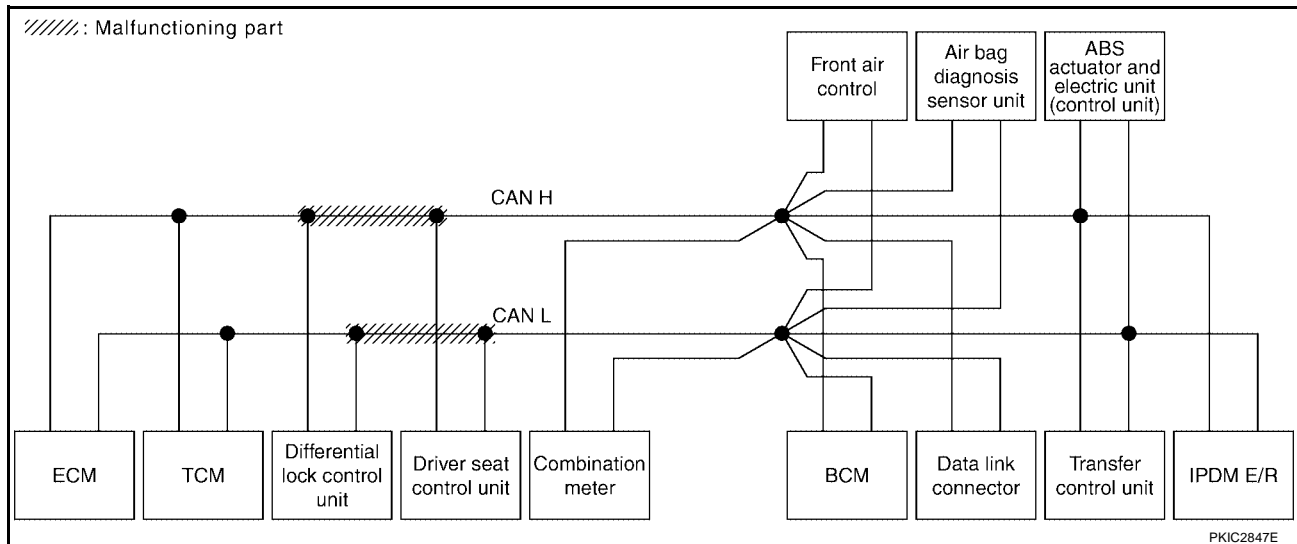
[CAN]

Case 2

Check harness between differential lock control unit and driver seat control unit. Refer to [LAN-353, "Inspection Between Differential Lock Control Unit and Driver Seat Control Unit Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UN KN WN	UN KN WN	UN KN WN	UN KN WN	UN KN WN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
A/T	-	NG	UNKWN	UNKWN	-	-	UN KN WN	-	UN KN WN	UN KN WN	-	CAN COMM CIRCUIT (U1000)	-	
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UN KN WN	UN KN WN	-	CAN COMM CIRCUIT (U1000)	-	
AUTO DRIVE POS.	No indication	-	-	-	UN KN WN	-	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-	
BCM	No indication	NG	UNKWN	UN KN WN	-	-	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-	
HVAC	No indication	-	UNKWN	UN KN WN	-	-	-	UNKWN	-	UNKWN	-	-	-	
ALL MODE AWD/4WD	-	NG	UNKWN	UN KN WN	UN KN WN	-	UNKWN	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-	
ABS	-	NG	UNKWN	UN KN WN	UN KN WN	UN KN WN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UN KN WN	-	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3355E



PKIC2847E

CAN SYSTEM (TYPE 12)

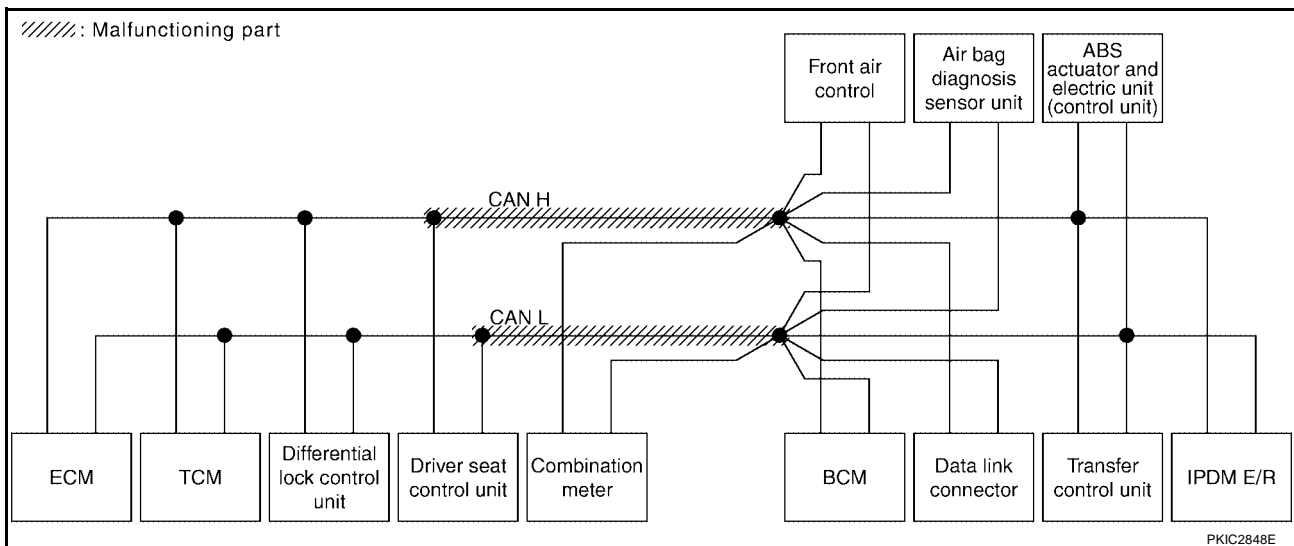
[CAN]

Case 3

Check harness between driver seat control unit and data link connector. Refer to [LAN-354, "Inspection Between Driver Seat Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UN ✓ WN	UN ✓ WN	UN ✓ WN	UN ✓ WN	UN ✓ WN	UN ✓ WN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	UNKWN	-	-	UN ✓ WN	-	UN ✓ WN	UN ✓ WN	-	-	CAN COMM CIRCUIT (U000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	UN ✓ WN	UN ✓ WN	-	-	CAN COMM CIRCUIT (U000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U000)	-
BCM	No indication	NG	UNKWN	UN ✓ WN	-	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UN ✓ WN	-	-	-	UNKWN	-	UNKWN	-	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UN ✓ WN	UN ✓ WN	-	UNKWN	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-
ABS	-	NG	UNKWN	UN ✓ WN	UN ✓ WN	UN ✓ WN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U000)	-
IPDM E/R	No indication	-	UNKWN	UN ✓ WN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U000)	-

PKIC3356E



PKIC2848E

CAN SYSTEM (TYPE 12)

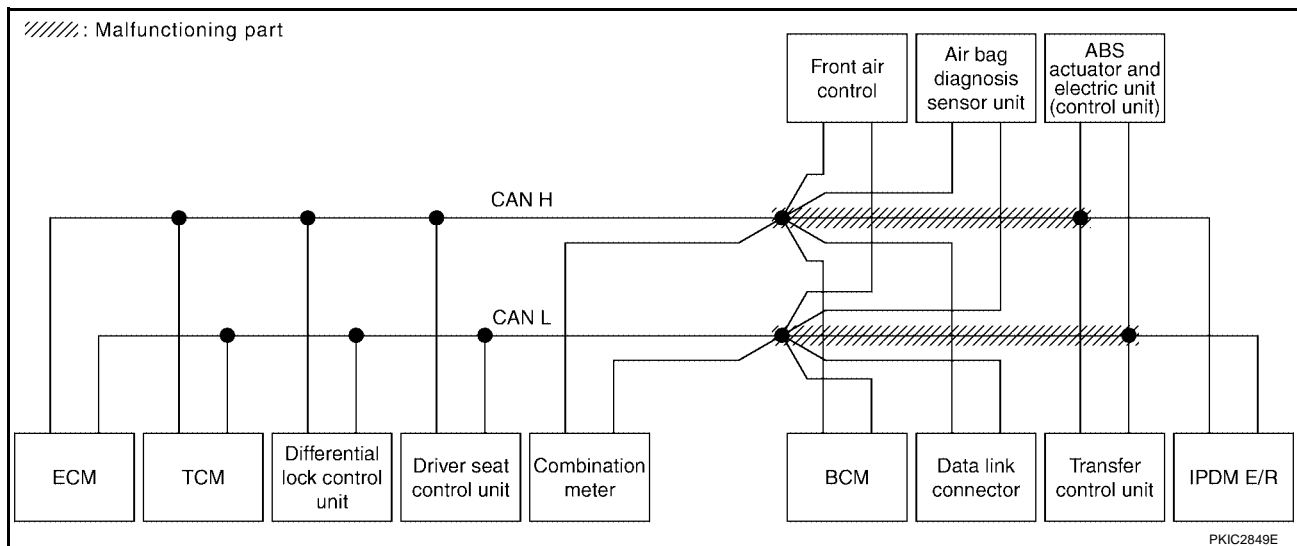
[CAN]

Case 4

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		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R				
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	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)	-

PKIC3357E



CAN SYSTEM (TYPE 12)

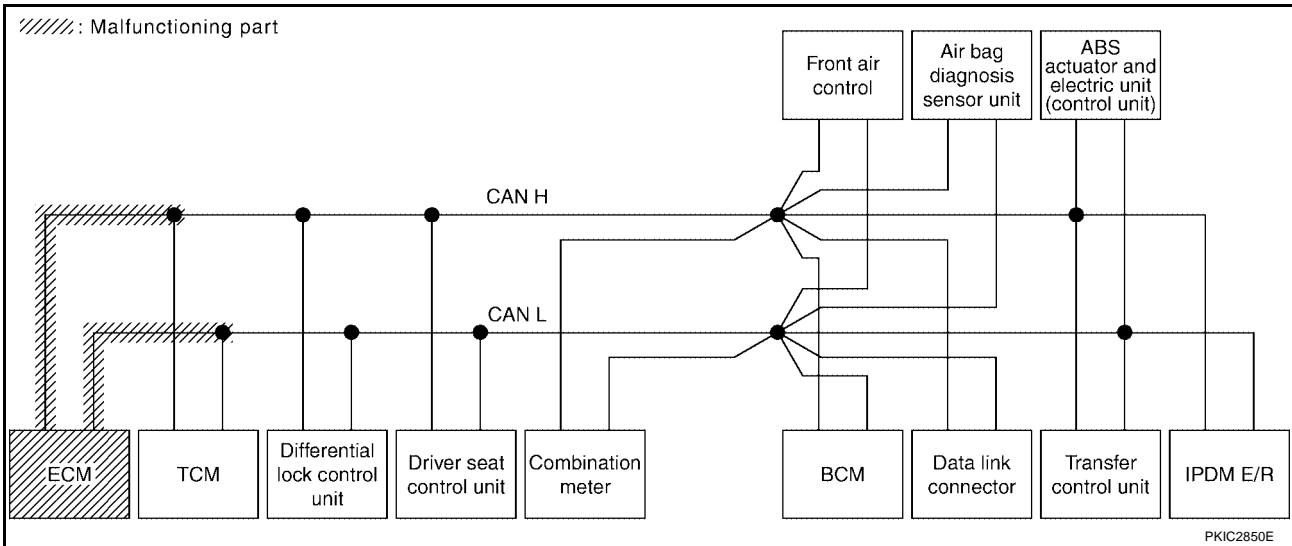
[CAN]

Case 5

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	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)	-

PKIC3358E

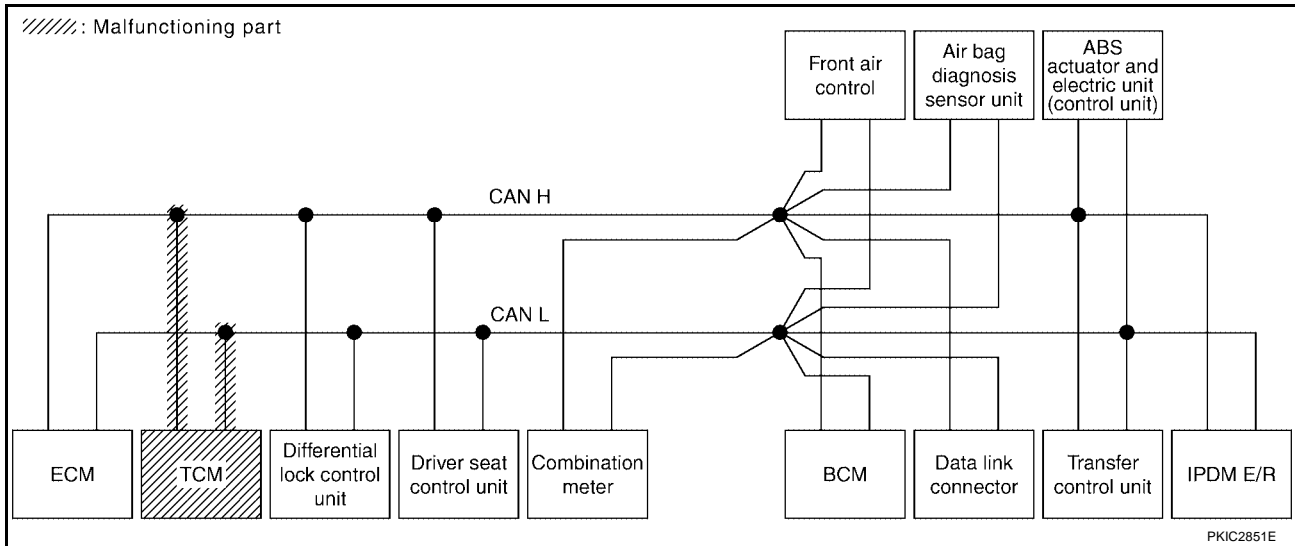


Case 6

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	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 (U1001)
A/T	-	NG	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)	-

PKIC3359E



CAN SYSTEM (TYPE 12)

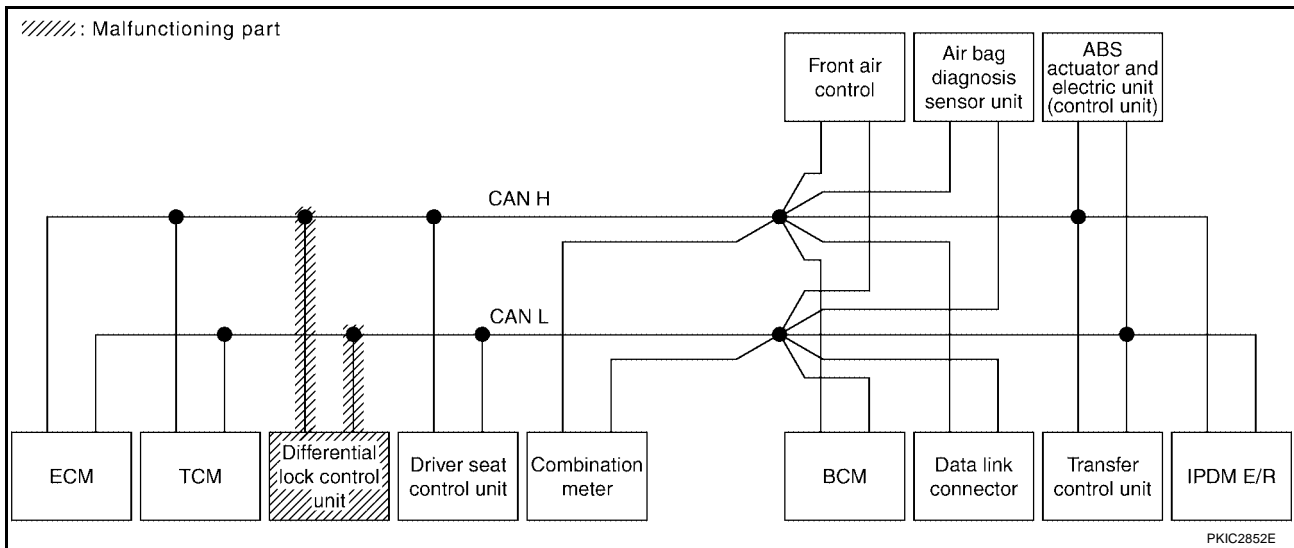
[CAN]

Case 7

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	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)	-

PKIC3360E



CAN SYSTEM (TYPE 12)

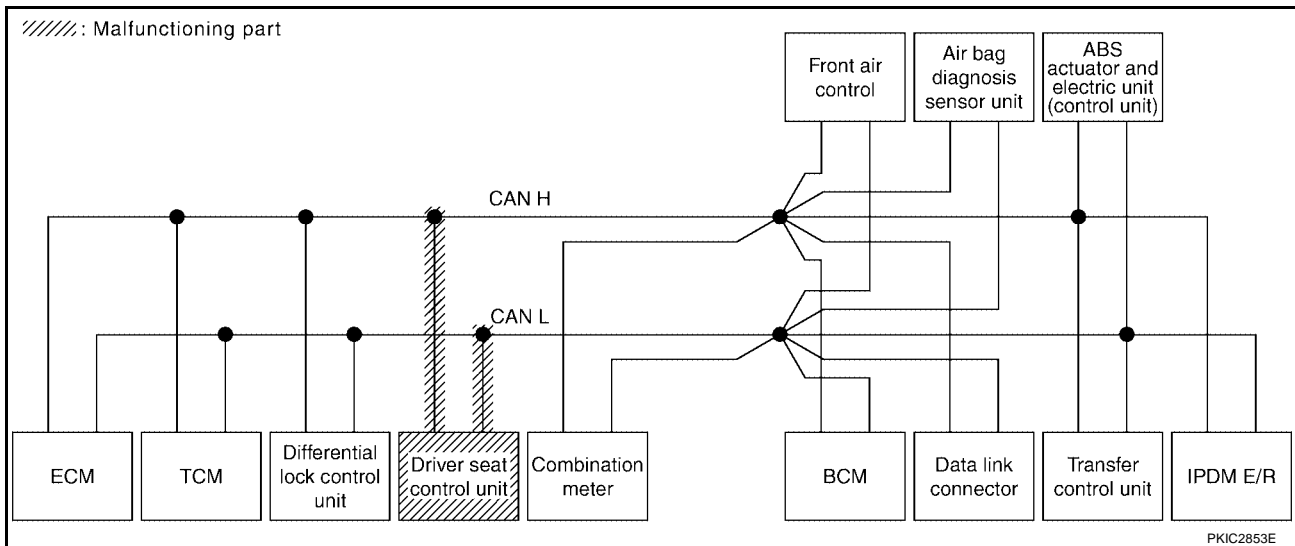
[CAN]

Case 8

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	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)	-

PKIC3361E



CAN SYSTEM (TYPE 12)

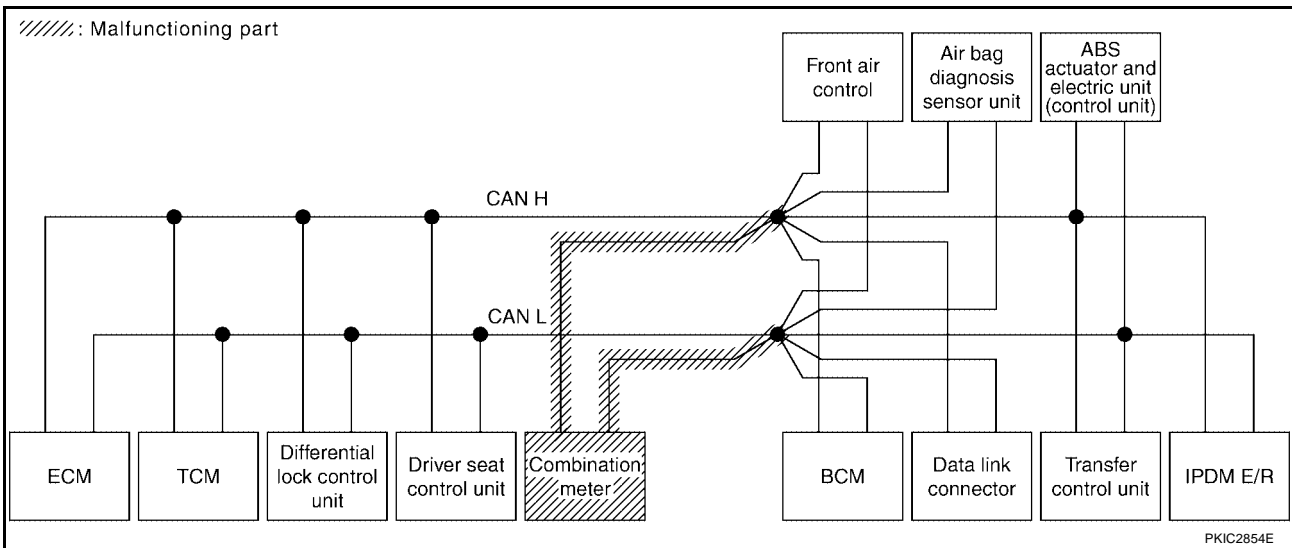
[CAN]

Case 9

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	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 (U1001)
A/T	-	NG	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	-	-	-	-	CAN COMM CIRCUIT (U1000)	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	✓	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	-	-
ALL MODE AWD/4WD	-	NG	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)	-

PKIC3362E



CAN SYSTEM (TYPE 12)

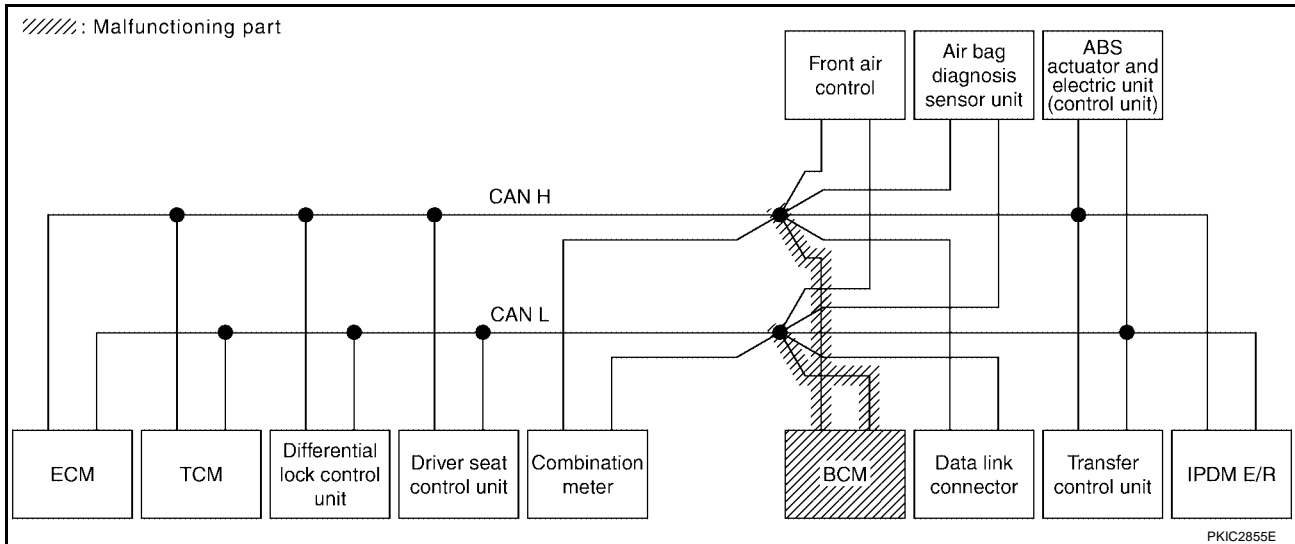
[CAN]

Case 10

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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)	-
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)	-

PKIC3363E



PKIC2855E

CAN SYSTEM (TYPE 12)

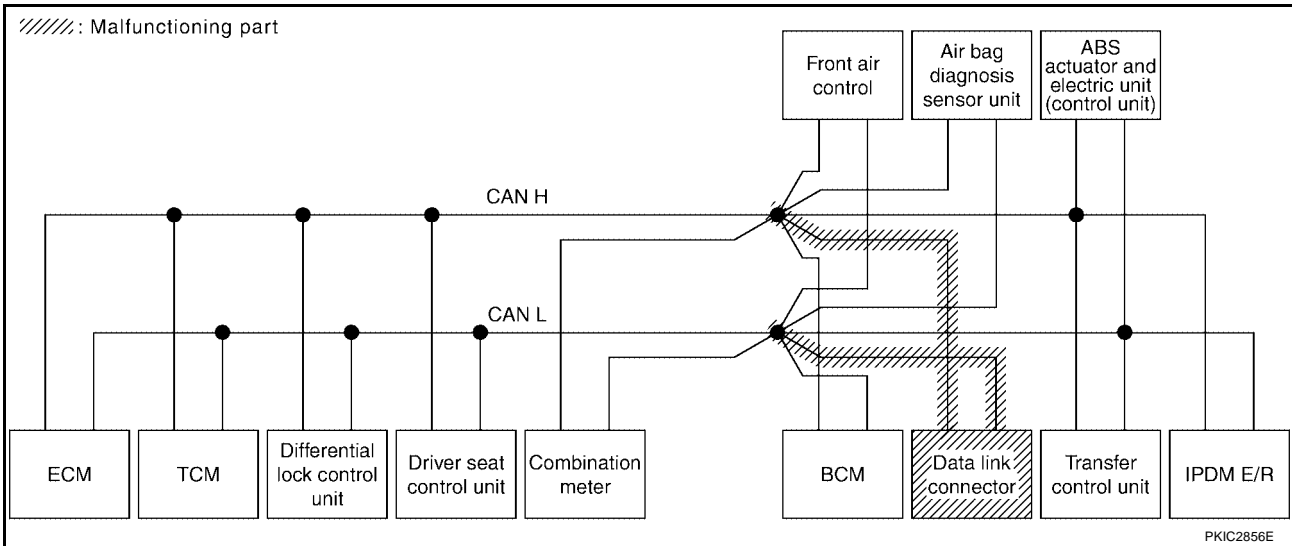
[CAN]

Case 11

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	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	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3364E



CAN SYSTEM (TYPE 12)

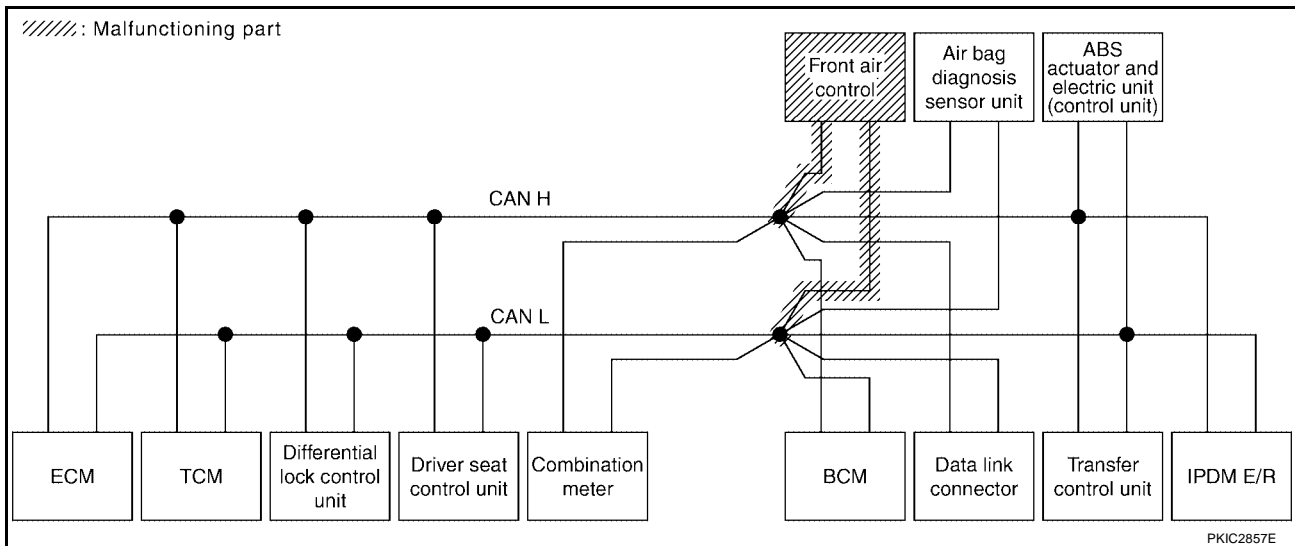
[CAN]

Case 12

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	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	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)	-

PKIC3365E



CAN SYSTEM (TYPE 12)

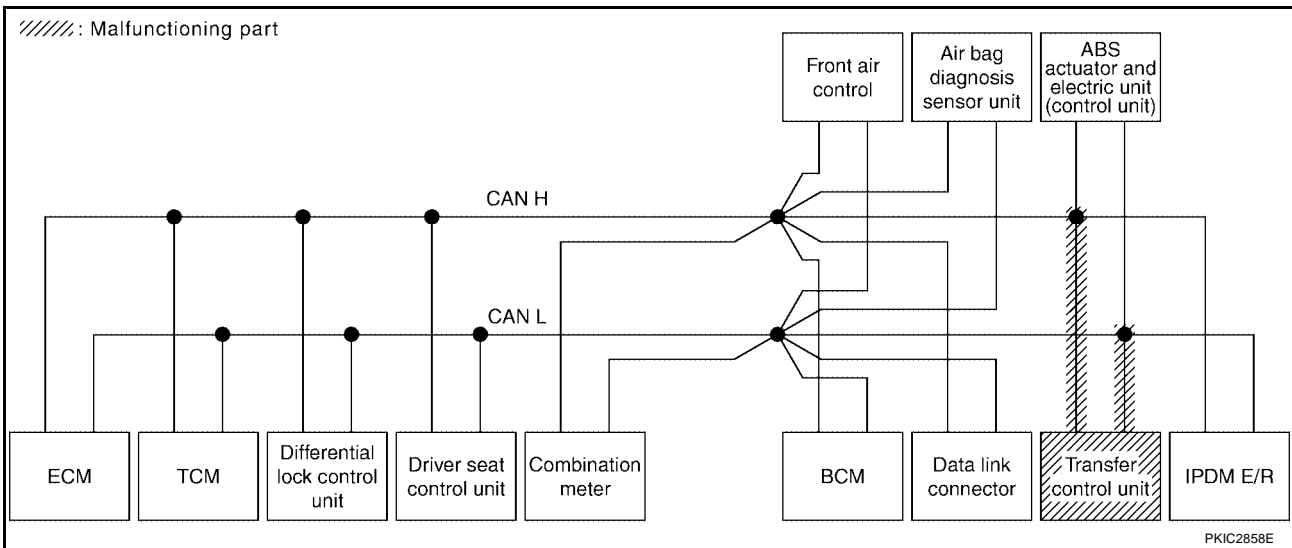
[CAN]

Case 13

Check transfer control unit circuit. Refer to [LAN-361, "Transfer Control Unit Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	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	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3366E



CAN SYSTEM (TYPE 12)

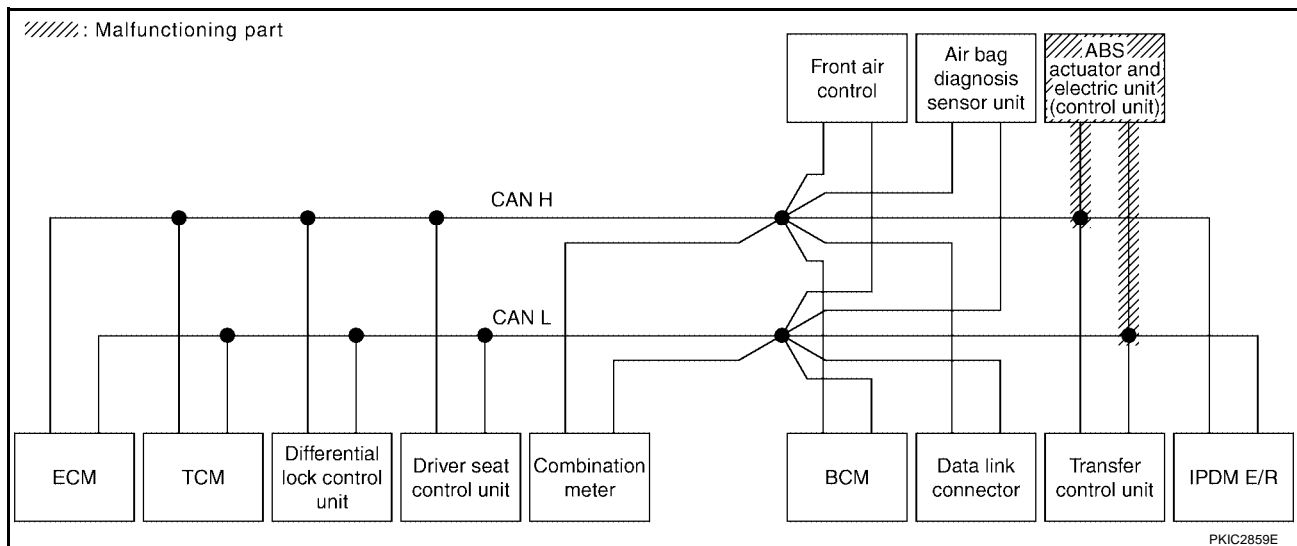
[CAN]

Case 14

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	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	-	✓	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3367E



PKIC2859E

CAN SYSTEM (TYPE 12)

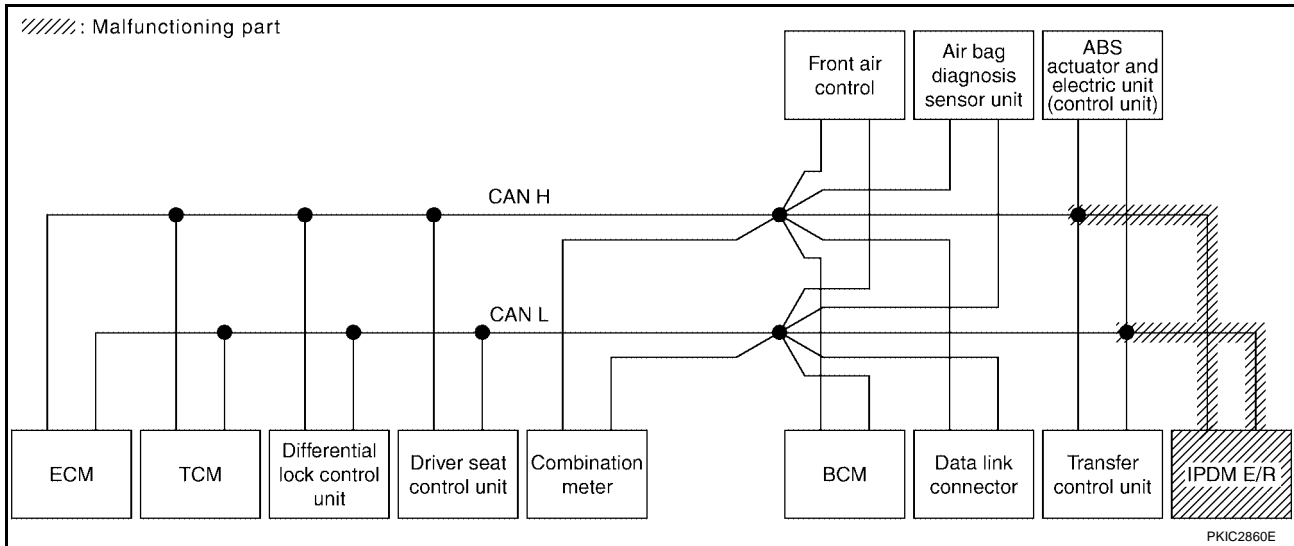
[CAN]

Case 15

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	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	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)	-

PKIC3368E



Case 16

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	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	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)	-

PKIC3369E

CAN SYSTEM (TYPE 12)

[CAN]

Case 17

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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)	-
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)	-

PKIC3370E

Case 18

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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	-	-	-	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 (U1000)	-
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

B

Refer to [LAN-26, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004NO

C

Refer to [LAN-27, "Wiring Diagram — CAN —"](#) .

D

E

F

G

H

I

J

LAN

L

M

CAN SYSTEM (TYPE 13)

[CAN]

UKS004PR

Check Sheet

NOTE:

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

Check sheet table														SELF-DIAG RESULTS	
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	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	-	-	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)	-

Symptoms :

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 above check sheet table.

Confirmation/Adjustment Display	Check sheet table Display	Confirmation/Adjustment Display	Check sheet table Display
CAN COMM	Initial diagnosis	CAN CIRC 5	METER/M&A
CAN CIRC 1	Transmit diagnosis	CAN CIRC 6	-
CAN CIRC 2	BCM	CAN CIRC 7	IPDM E/R
CAN CIRC 3	ECM	CAN CIRC 8	-
CAN CIRC 4	HVAC	CAN CIRC 9	-

Attach copy of
display control unit
CAN DIAG SUPPORT MONITOR check sheet

PKIC2949E

CAN SYSTEM (TYPE 13)

[CAN]

A
B
C
D
E
F
G
H
I
J
LAN
L
M

Attach copy of
ENGINE
SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
DIFF LOCK
SELF-DIAG RESULTS

Attach copy of
AUTO DRIVE POS.
SELF-DIAG RESULTS

Attach copy of
BCM
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
ALL MODE AWD/4WD
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

Attach copy of
IPDM E/R
SELF-DIAG RESULTS

PKIB6695E

CAN SYSTEM (TYPE 13)

[CAN]

Attach copy of
ENGINE
CAN DIAG SUPPORT
MNTR

Attach copy of
A/T
CAN DIAG SUPPORT
MNTR

Attach copy of
DIFF LOCK
CAN DIAG SUPPORT
MNTR

Attach copy of
AUTO DRIVE POS.
CAN DIAG SUPPORT
MNTR

Attach copy of
BCM
CAN DIAG SUPPORT
MNTR

Attach copy of
HVAC
CAN DIAG SUPPORT
MNTR

Attach copy of
ALL MODE AWD/4WD
CAN DIAG SUPPORT
MNTR

Attach copy of
ABS
CAN DIAG SUPPORT
MNTR

Attach copy of
IPDM E/R
CAN DIAG SUPPORT
MNTR

PKIB6696E

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

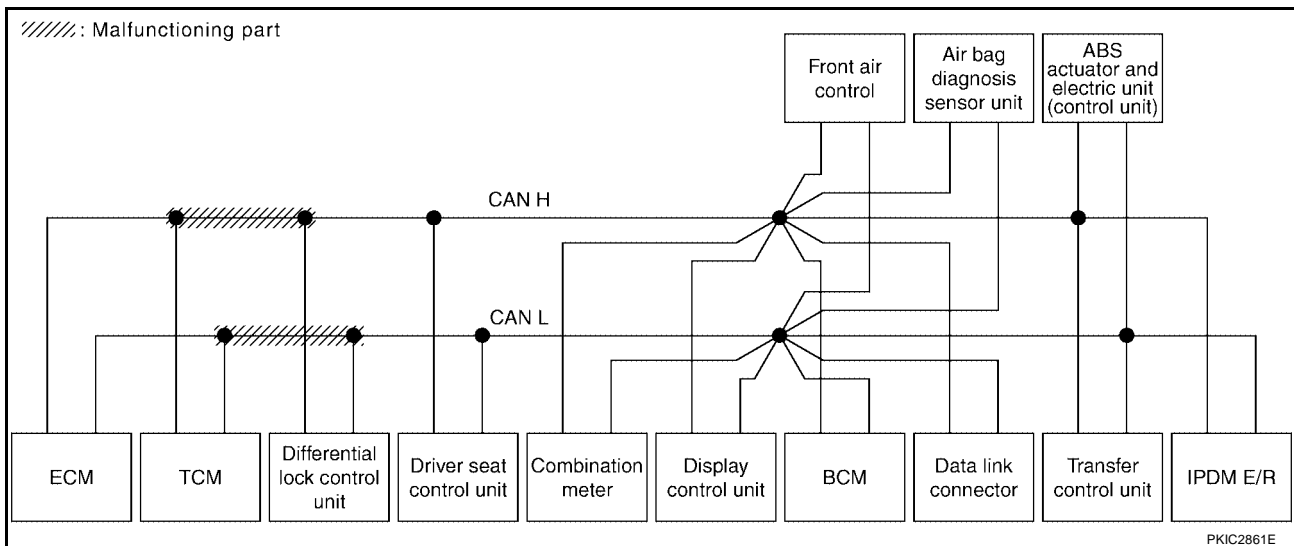
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R	
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U000)	-	
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U000)	-	
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U000)	-	
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 (U000)	-	
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U000)	-	

PKIC3372E

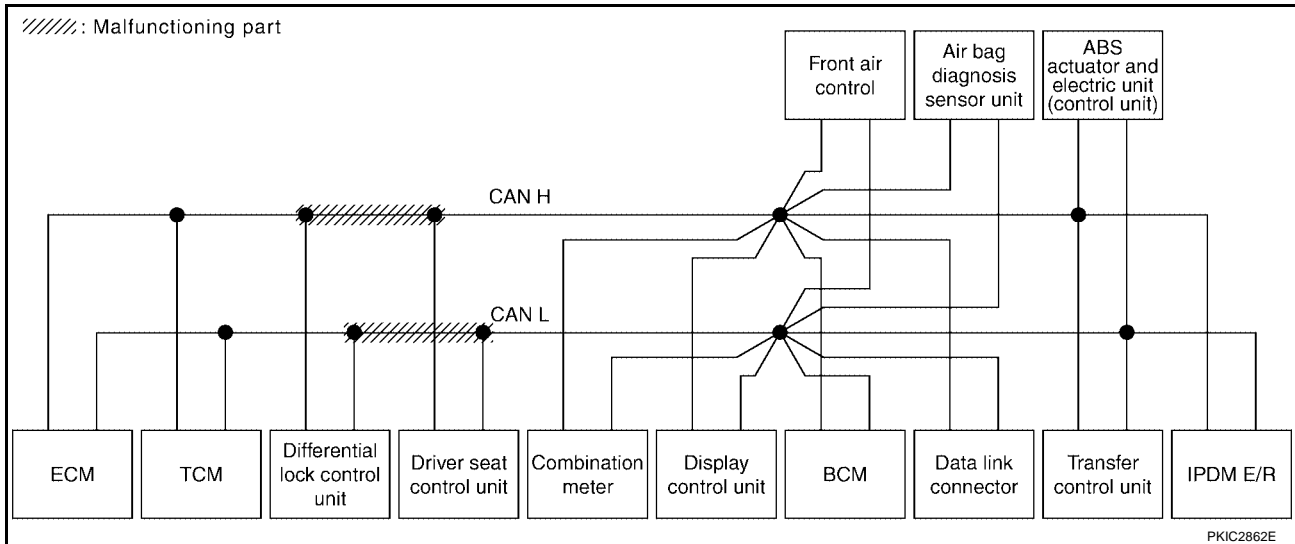


Case 2

Check harness between differential lock control unit and driver seat control unit. Refer to [LAN-353, "Inspection Between Differential Lock Control Unit and Driver Seat Control Unit Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR												SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	-	✓	-	✓	-	✓	✓	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	UNKWN	-	-	✓	-	-	-	✓	✓	-	CAN COMM CIRCUIT (U000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	✓	✓	-	CAN COMM CIRCUIT (U000)	-
AUTO DRIVE POS.	No indication	-	-	-	✓	-	UNKWN	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U000)	-
Display control unit	-	NG	UNKWN	✓	-	-	UNKWN	-	UNKWN	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	✓	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	✓	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	✓	✓	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U000)	-
ABS	-	NG	UNKWN	✓	✓	✓	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-
IPDM E/R	No indication	-	UNKWN	✓	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U000)	-

PKIC3373E



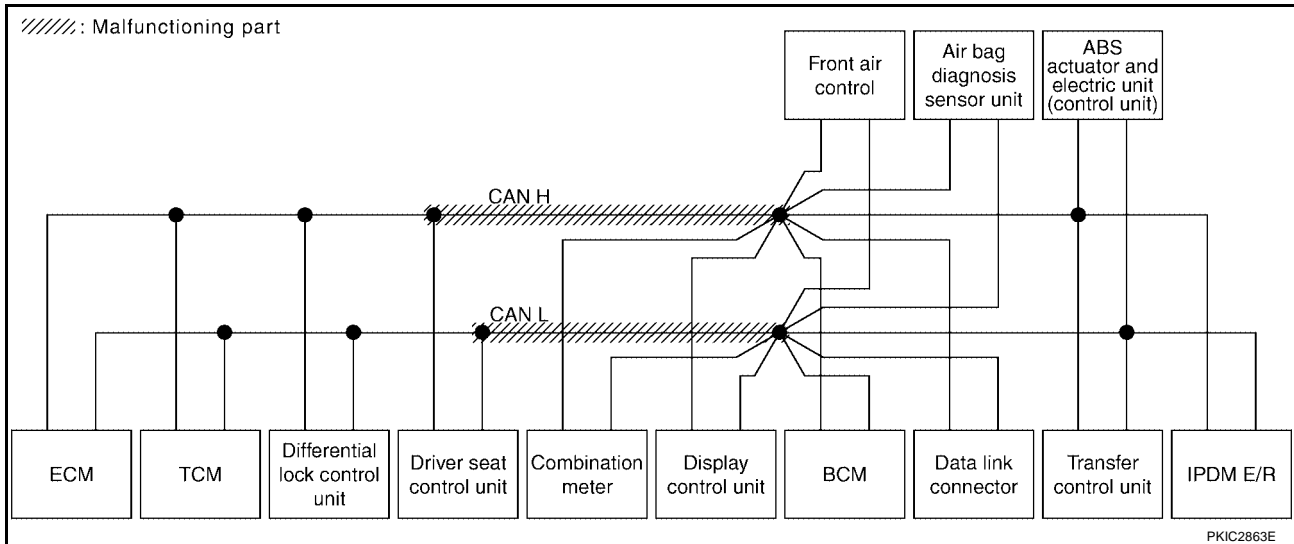
PKIC2862E

Case 3

Check harness between driver seat control unit and data link connector. Refer to [LAN-354, "Inspection Between Driver Seat Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS			IPDM E/R	
ENGINE	-	-	UNKWN	-	UNKWN	-	✓	-	✓	-	✓	✓	✓	CAN COMM CIRCUIT (U1000)	✓	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	✓	-	-	-	✓	✓	-	CAN COMM CIRCUIT (U1000)	-	-
DIFF LOCK	-	NG	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	-	-	-
BCM	No indication	NG	UNKWN	✓	-	-	UNKWN	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-	-
HVAC	No indication	-	UNKWN	✓	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	✓	✓	-	UNKWN	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-	-
ABS	-	NG	UNKWN	✓	✓	✓	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-	-
IPDM E/R	No indication	-	UNKWN	✓	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	-

PKIC3374E

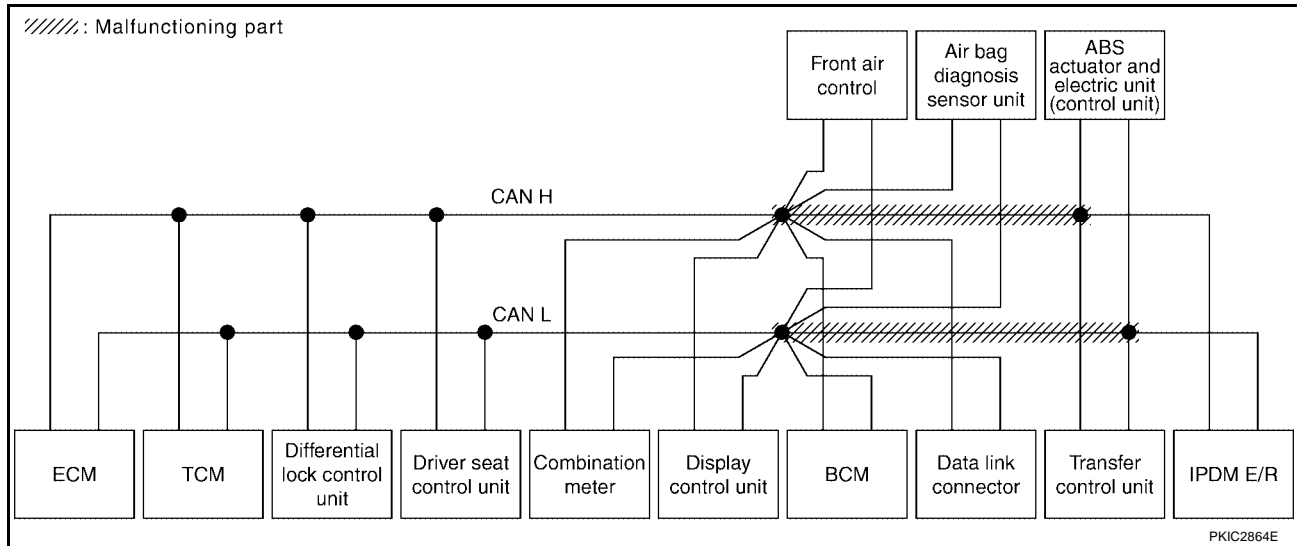


Case 4

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		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS					
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R			
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS						
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	-	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	UNKWN	-	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	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	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-

PKIC3375E



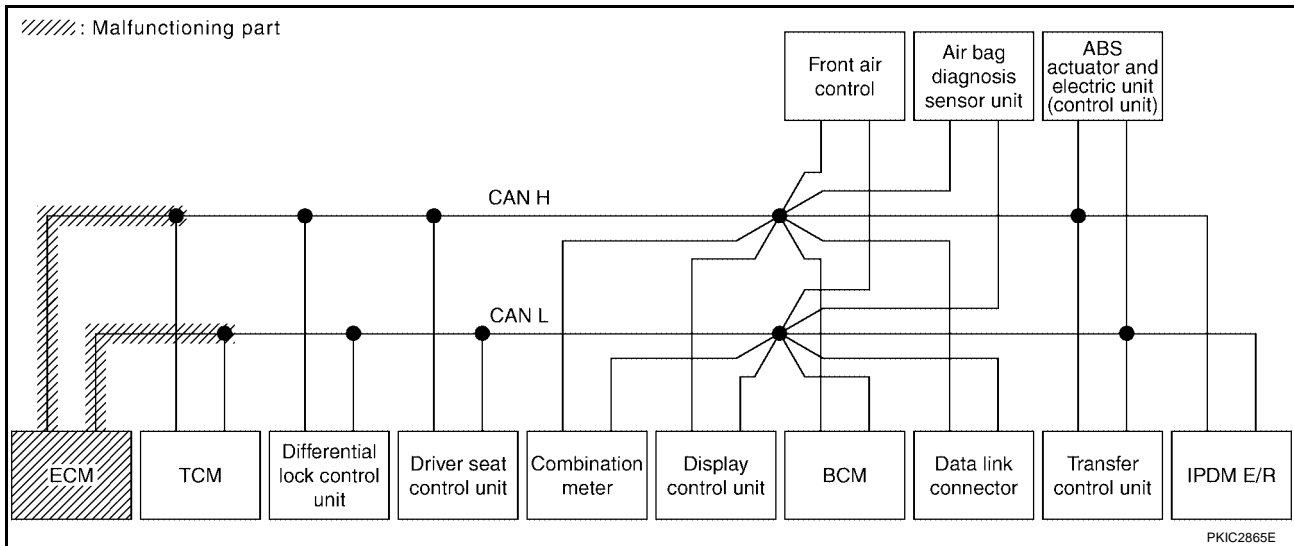
PKIC2864E

Case 5

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS				
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											CAN COMM CIRCUIT (U100)	CAN COMM CIRCUIT (U101)	
				ECM	TCM	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	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U100)	CAN COMM CIRCUIT (U101)
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U100)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U100)	-
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 (U100)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U100)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	-	-	CAN COMM CIRCUIT (U100)	-

PKIC3376E



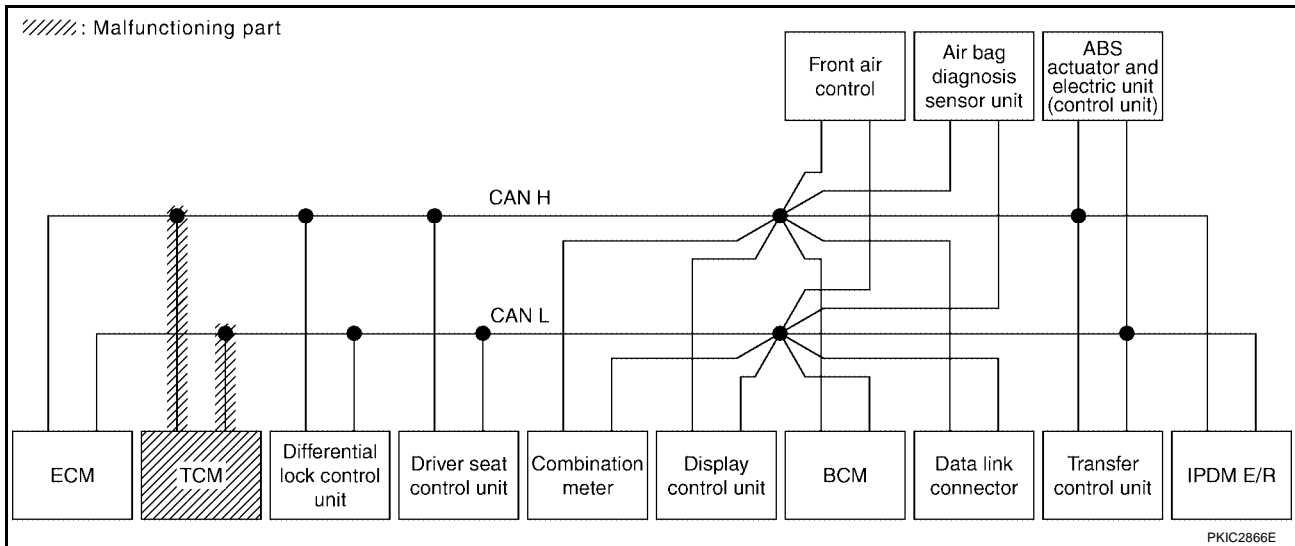
PKIC2865E

Case 6

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	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	-	-	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)	-

PKIC3377E



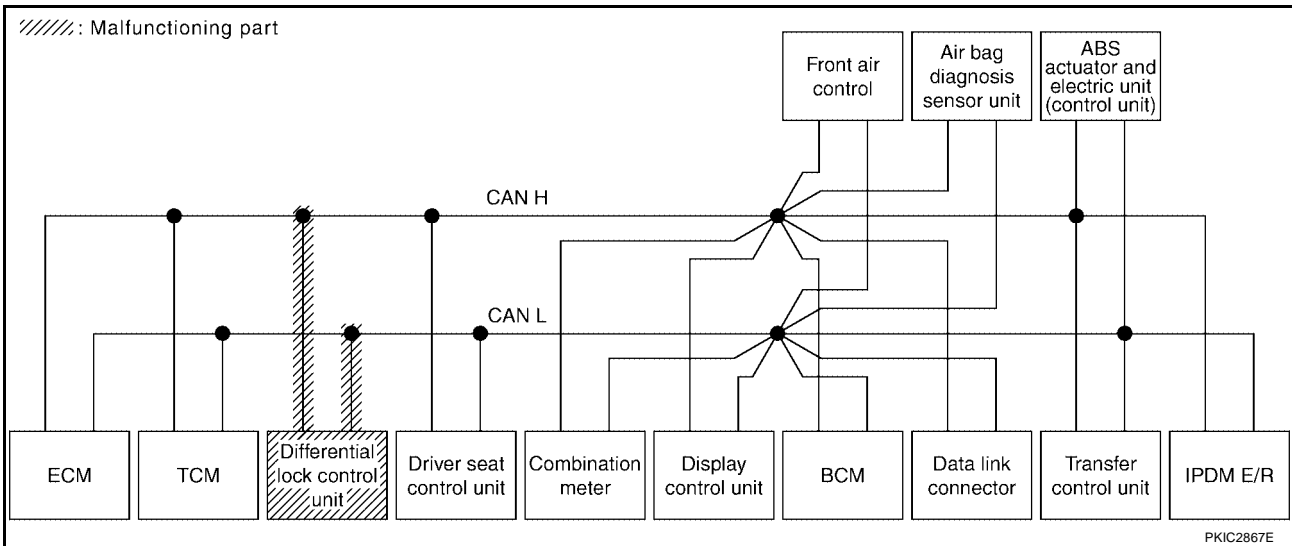
PKIC2866E

Case 7

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS			
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	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3378E



CAN SYSTEM (TYPE 13)

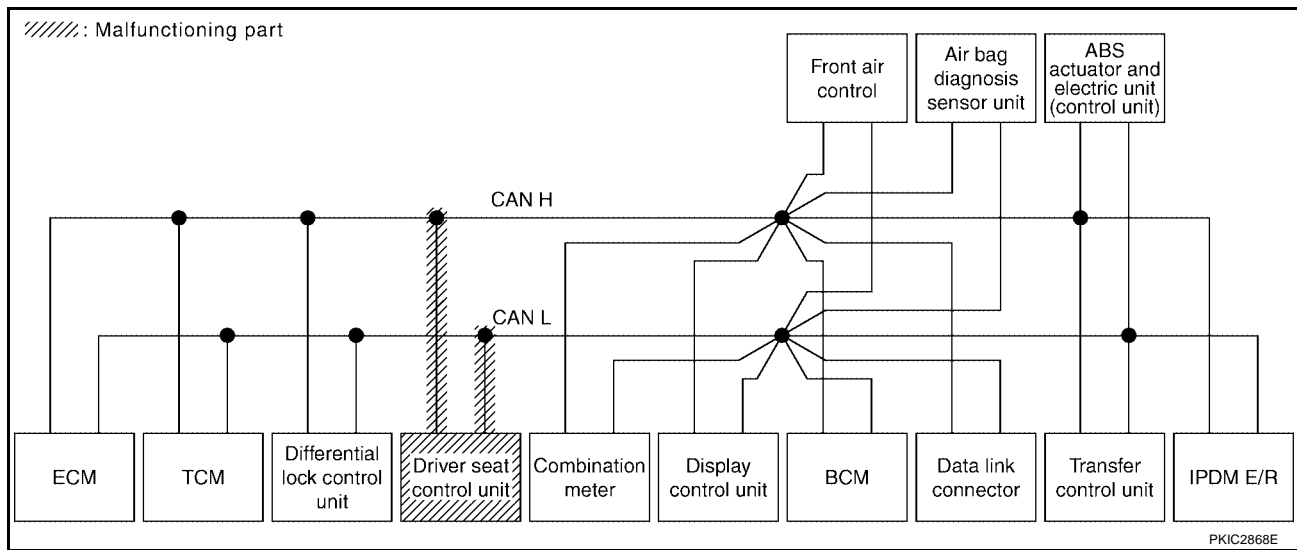
[CAN]

Case 8

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	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	-	-	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)	-

PKIC3379E



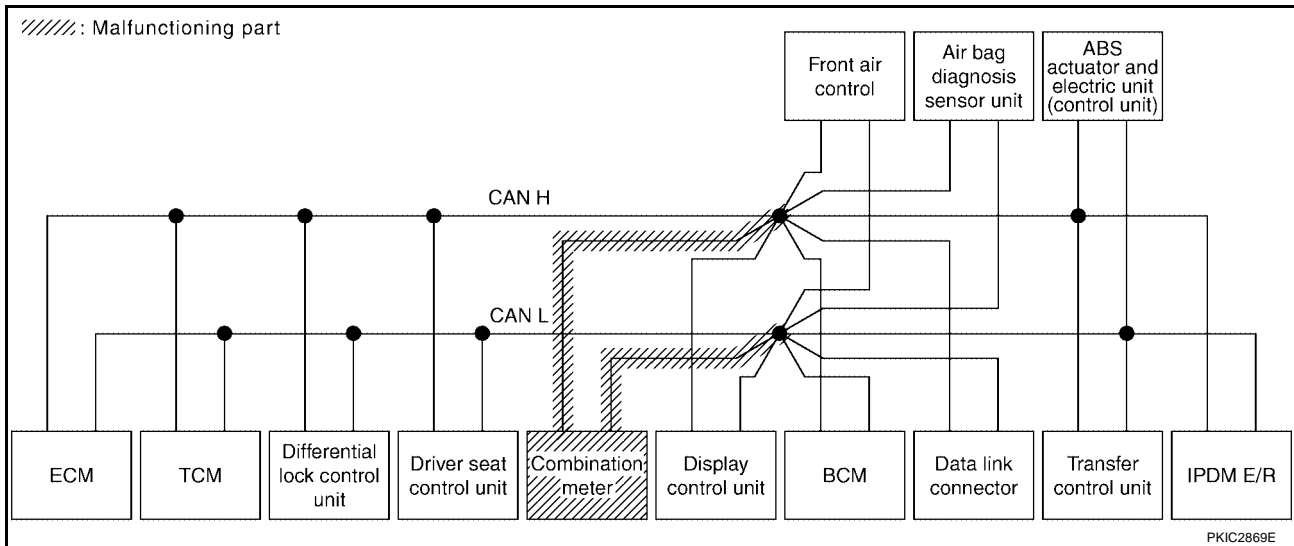
PKIC2868E

Case 9

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS			
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	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3380E



CAN SYSTEM (TYPE 13)

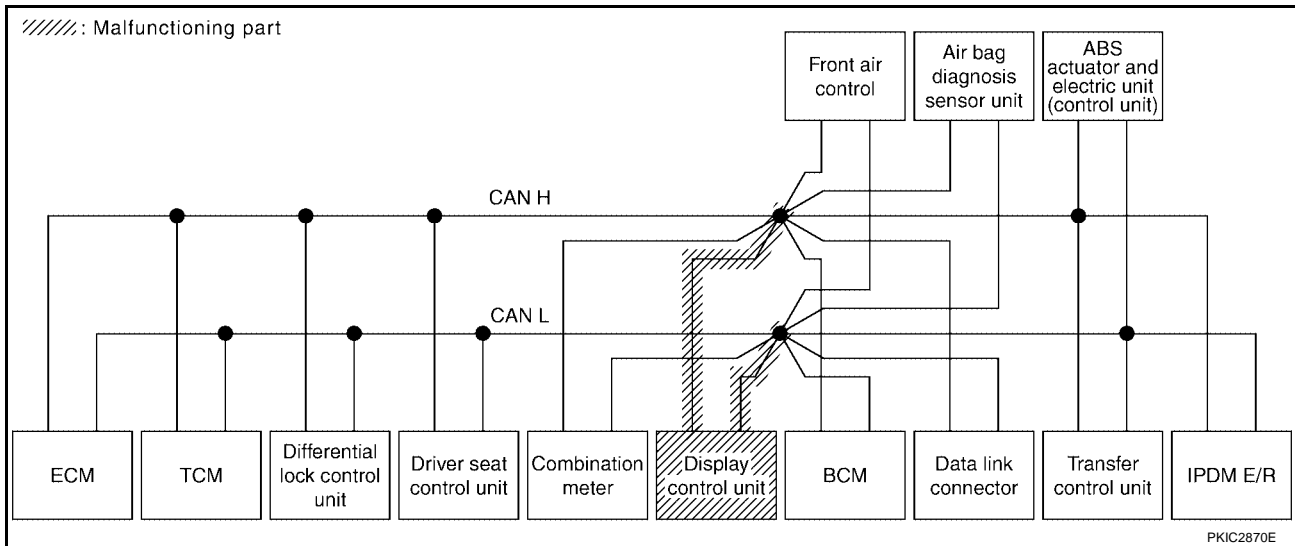
[CAN]

Case 10

Check display control unit circuit. Refer to [LAN-358, "Display Control Unit Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	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	-	-	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



PKIC2870E

CAN SYSTEM (TYPE 13)

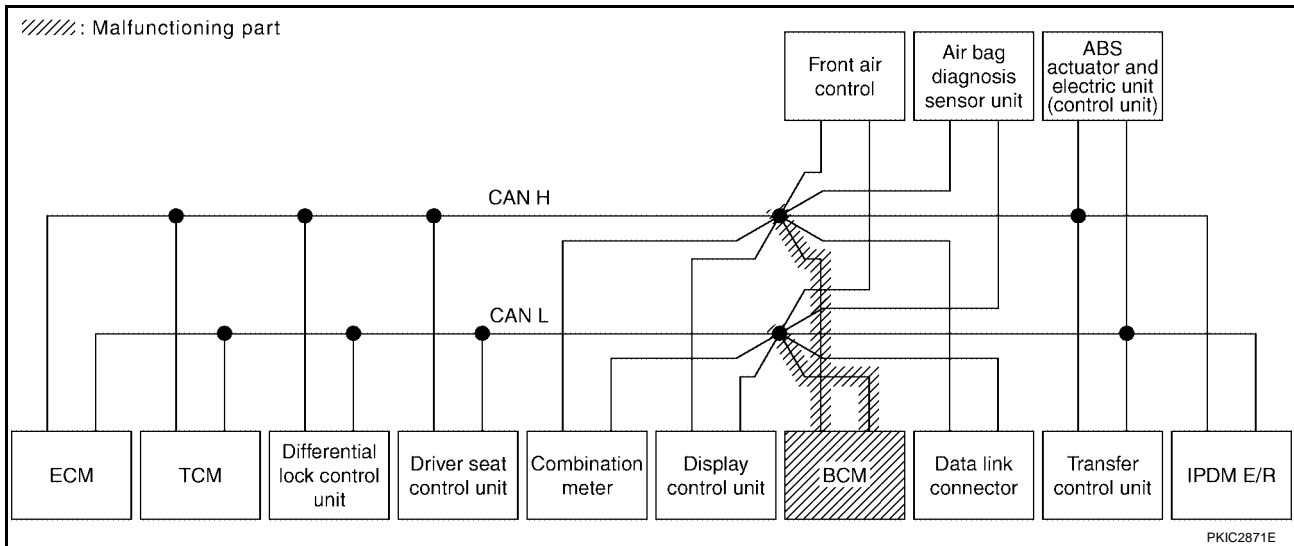
[CAN]

Case 11

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS				
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	-	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)	-	

PKIC3382E



PKIC2871E

CAN SYSTEM (TYPE 13)

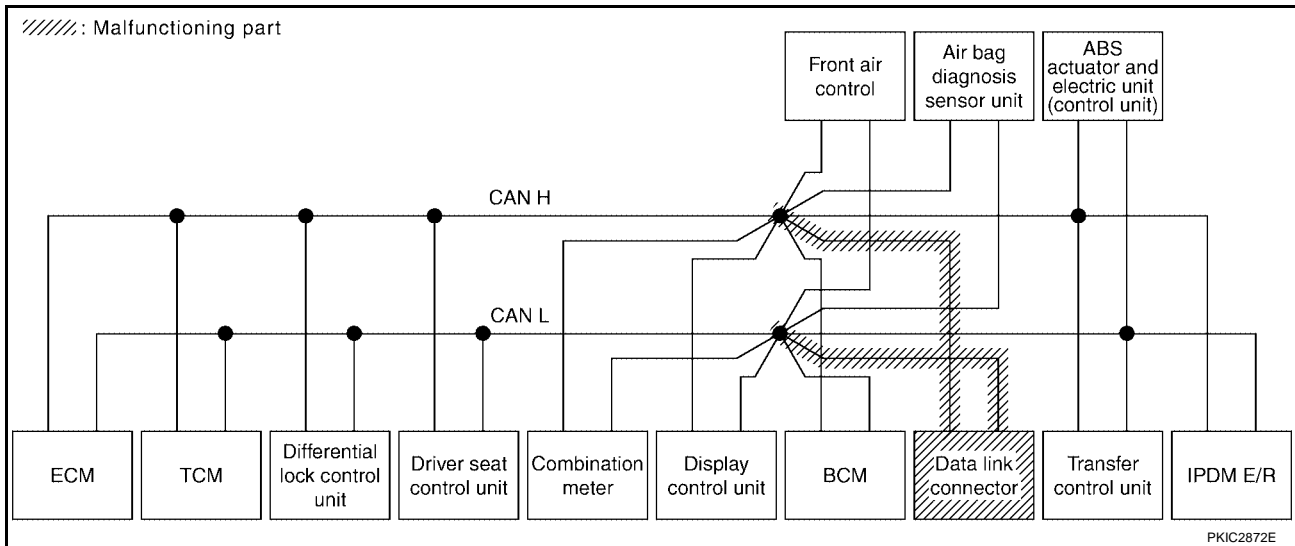
[CAN]

Case 12

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	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	-	-	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)	-

PKIC3383E



PKIC2872E

CAN SYSTEM (TYPE 13)

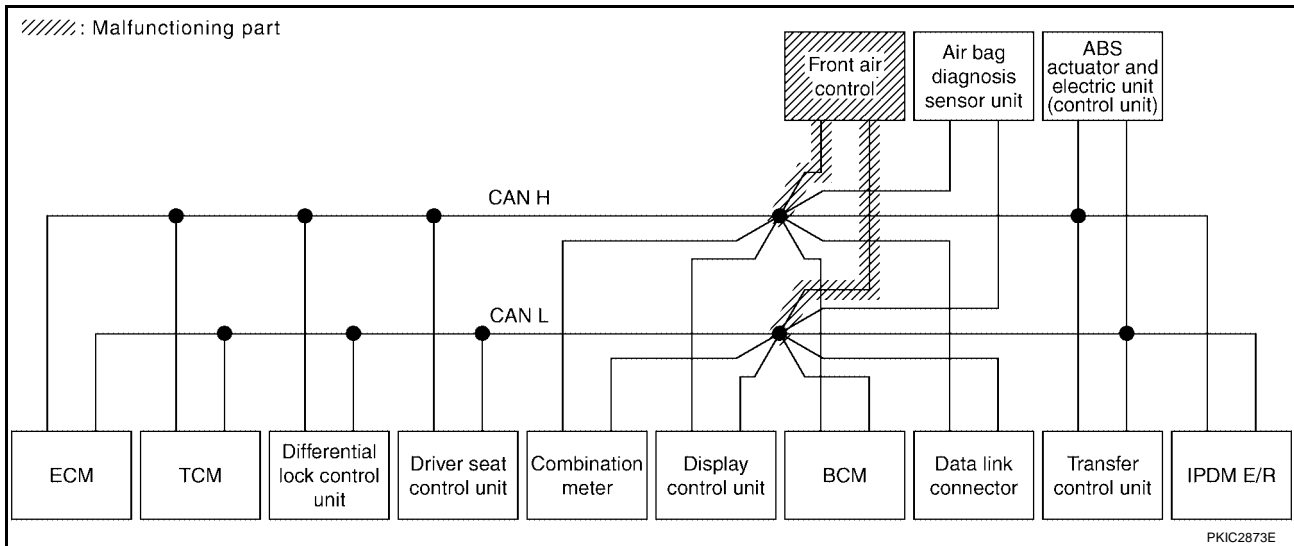
[CAN]

Case 13

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS				
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	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3384E



PKIC2873E

CAN SYSTEM (TYPE 13)

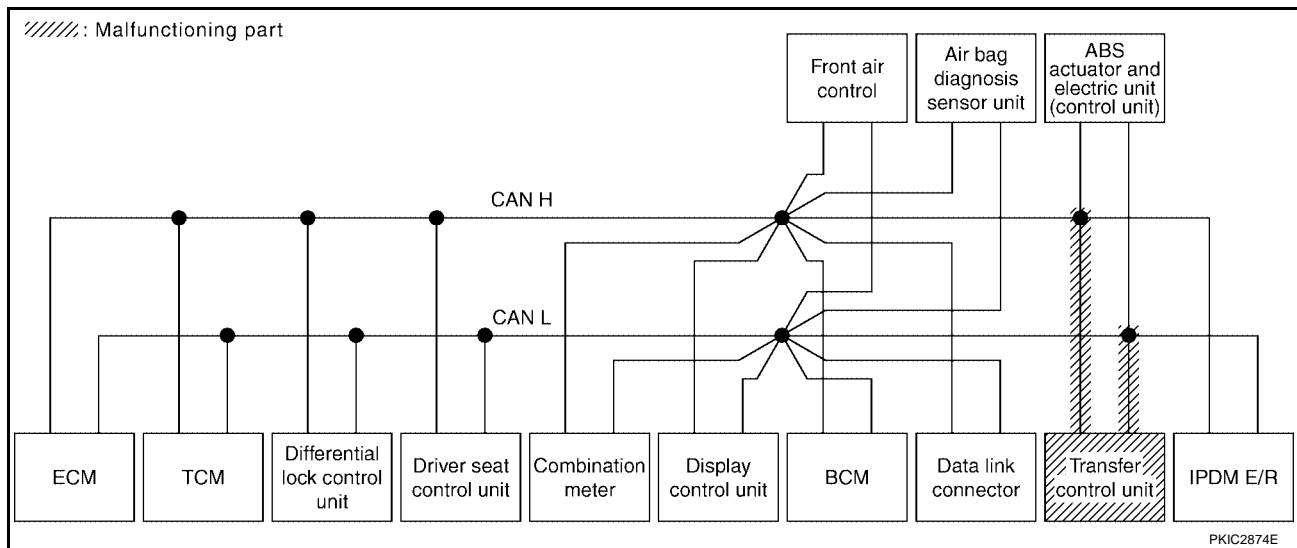
[CAN]

Case 14

Check transfer control unit circuit. Refer to [LAN-361, "Transfer Control Unit Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS				
		Initial diagnosis	Transmit diagnosis	Receive diagnosis													
				ECM	TCM	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	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
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)	-	

PKIC3385E



PKIC2874E

CAN SYSTEM (TYPE 13)

[CAN]

Case 17

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS			
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	–	–	CAN COMM CIRCUIT (U1000)	–
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	–	–	UNKWN	–	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3388E

Case 18

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	HVAC	AWD/4WD	VDC/TCS /ABS			
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	–	–	CAN COMM CIRCUIT (U1000)	–
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	–	–	UNKWN	–	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3389E

CAN SYSTEM (TYPE 13)

[CAN]

Case 19

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR												SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	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 (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	–	–	–	–	–	–	–	–	CAN COMM CIRCUIT (U1000)	–
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	–	–	UNKWN	–	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3390E

CAN SYSTEM (TYPE 14)

[CAN]

CAN SYSTEM (TYPE 14)

PF2:23710

Component Parts and Harness Connector Location

UKS004NQ

A

Refer to [LAN-25, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS004NR

B

Refer to [LAN-26, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004NS

C

Refer to [LAN-27, "Wiring Diagram — CAN —"](#) .

D

E

F

G

H

I

J

LAN

L

M

CAN SYSTEM (TYPE 14)

[CAN]

UKS004PQ

Check Sheet

NOTE:

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

Check sheet table															
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	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	-	-	-	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)	-

Symptoms :

Attach copy of
SELECT SYSTEM

Attach copy of
SELECT SYSTEM

PKIC2950E

CAN SYSTEM (TYPE 14)

[CAN]

A
B
C
D
E
F
G
H
I
J
LAN
L
M

Attach copy of ENGINE SELF-DIAG RESULTS	Attach copy of A/T SELF-DIAG RESULTS	Attach copy of DIFF LOCK SELF-DIAG RESULTS	Attach copy of BCM SELF-DIAG RESULTS
Attach copy of HVAC SELF-DIAG RESULTS	Attach copy of ALL MODE AWD/4WD SELF-DIAG RESULTS	Attach copy of ABS SELF-DIAG RESULTS	Attach copy of IPDM E/R SELF-DIAG RESULTS
Attach copy of ENGINE CAN DIAG SUPPORT MNTR	Attach copy of A/T CAN DIAG SUPPORT MNTR	Attach copy of DIFF LOCK CAN DIAG SUPPORT MNTR	Attach copy of BCM CAN DIAG SUPPORT MNTR
Attach copy of HVAC CAN DIAG SUPPORT MNTR	Attach copy of ALL MODE AWD/4WD CAN DIAG SUPPORT MNTR	Attach copy of ABS CAN DIAG SUPPORT MNTR	Attach copy of IPDM E/R CAN DIAG SUPPORT MNTR

PKIB6677E

CAN SYSTEM (TYPE 14)

[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

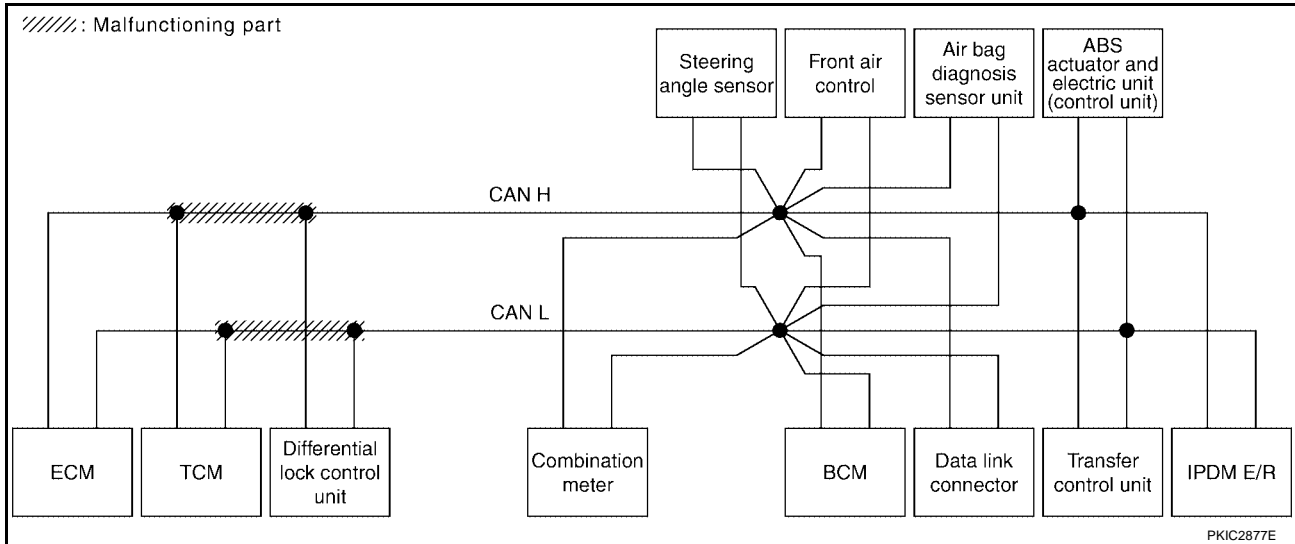
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	UNKWN	-	✓	✓	-	✓	✓	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)	
A/T	-	NG	UNKWN	UNKWN	-	-	✓	-	-	✓	✓	-	CAN COMM CIRCUIT (U000)	-	
DIFF LOCK	-	NG	UNKWN	✓	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U000)	-	
BCM	No indication	NG	UNKWN	✓	-	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-	
HVAC	No indication	-	UNKWN	✓	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	-	
ALL MODE AWD/4WD	-	NG	UNKWN	✓	✓	-	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U000)	-	
ABS	-	NG	UNKWN	✓	✓	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-	
IPDM E/R	No indication	-	UNKWN	✓	-	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U000)	-	

PKIC3391E



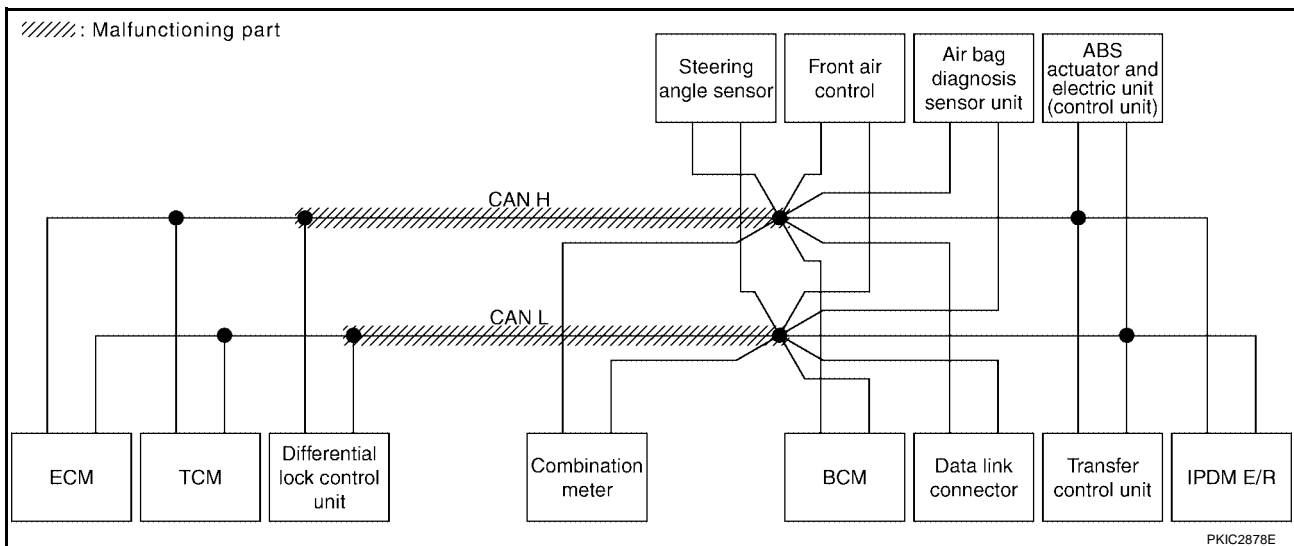
PKIC2877E

Case 2

Check harness between differential lock control unit and data link connector. Refer to [LAN-353, "Inspection Between Differential Lock Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	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 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	–	–	–	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)	–	

PKIC3392E

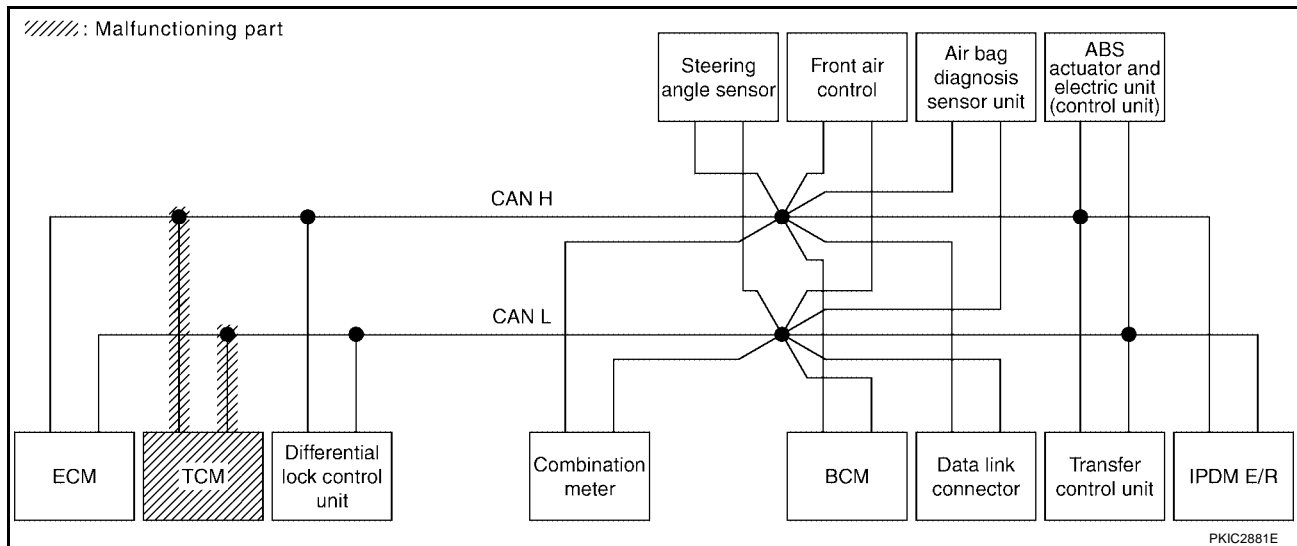


Case 5

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	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 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	-	-	-	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)	-	

PKIC3395E

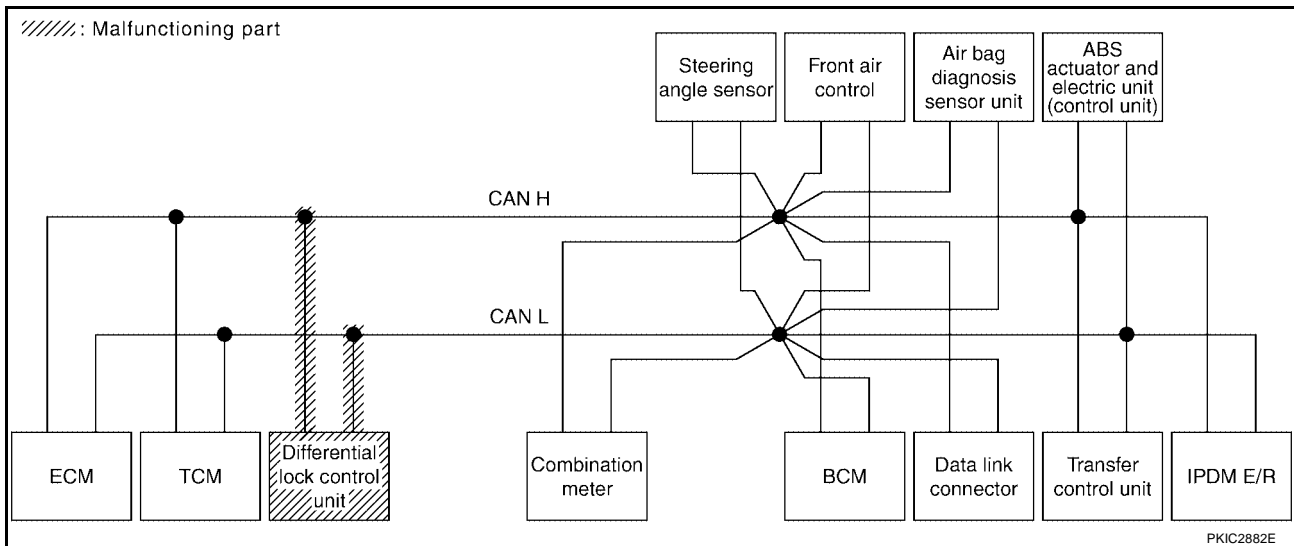


Case 6

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	STRG	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)	–
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)	–

PKIC3396E



CAN SYSTEM (TYPE 14)

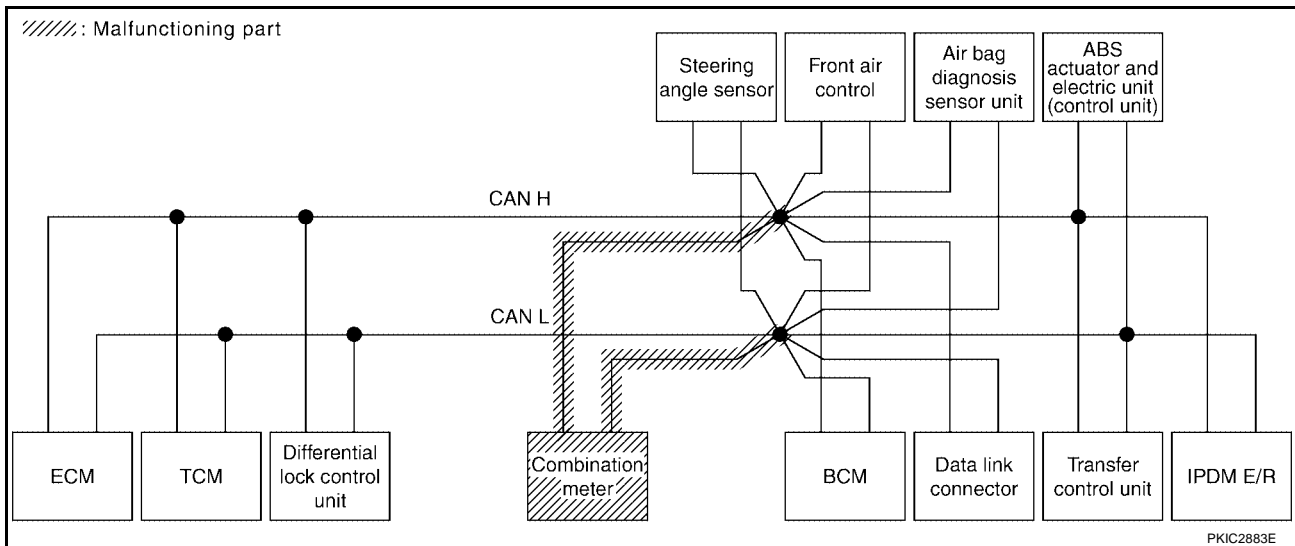
[CAN]

Case 7

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	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 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	-	-	-	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)	-	

PKIC3397E



PKIC2883E

CAN SYSTEM (TYPE 14)

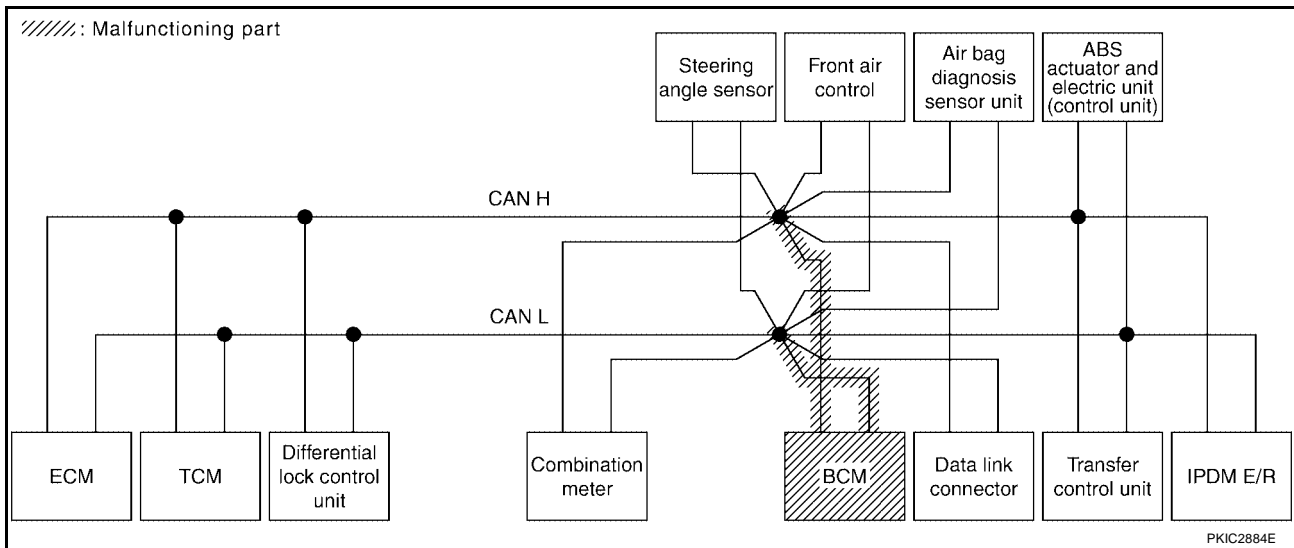
[CAN]

Case 8

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	UNKWN	-	UNKWN	UN ✓ KN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001) UN ✓	
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	-	-	-	UN ✓ KN	-	-	-	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	-	-	-	UN ✓ KN	-	-	-	-	CAN COMM CIRCUIT (U1000) UN ✓	-	

PKIC3398E



CAN SYSTEM (TYPE 14)

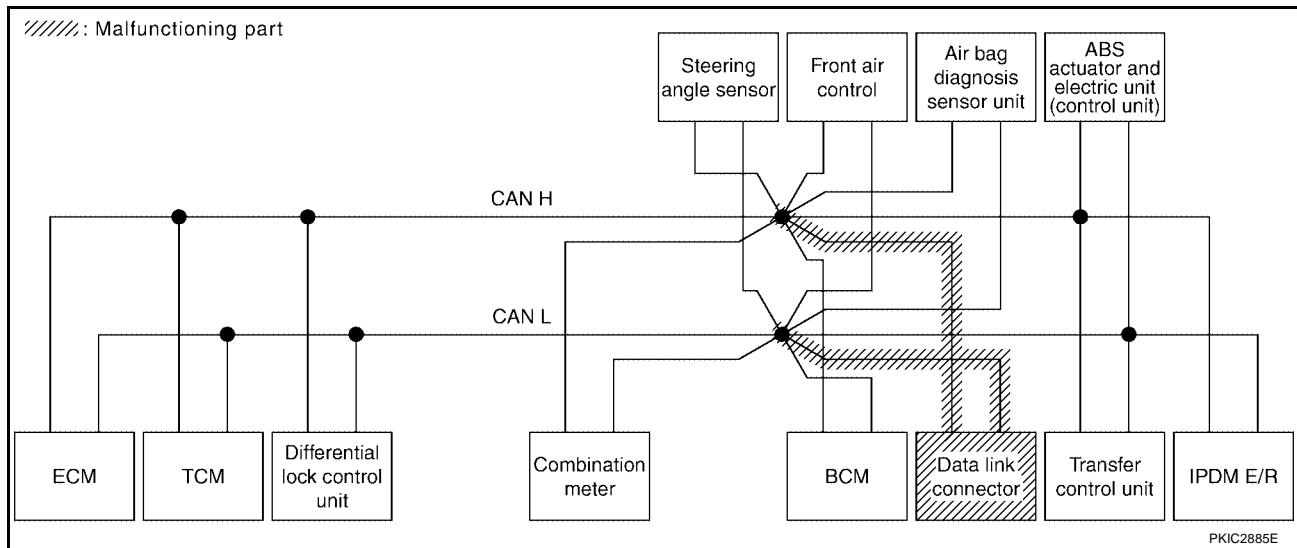
[CAN]

Case 9

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	STRG	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)	-	
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	-	-	
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)	-	

PKIC3399E



CAN SYSTEM (TYPE 14)

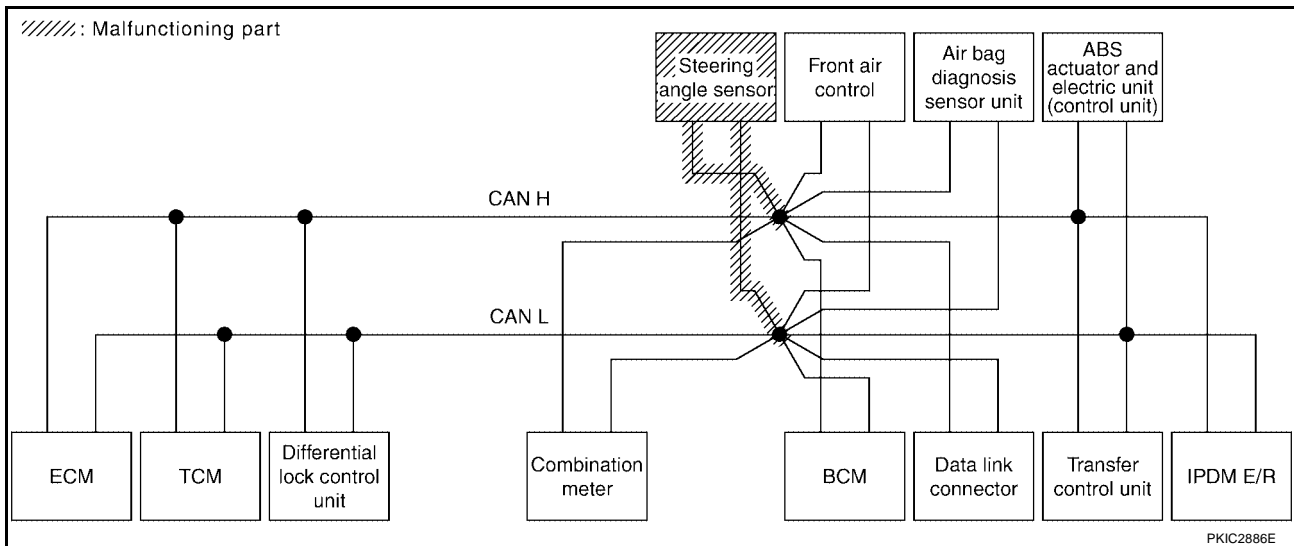
[CAN]

Case 10

Check steering angle sensor circuit. Refer to [LAN-360, "Steering Angle Sensor Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	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 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	-	-	-	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)	-	

PKIC3400E



CAN SYSTEM (TYPE 14)

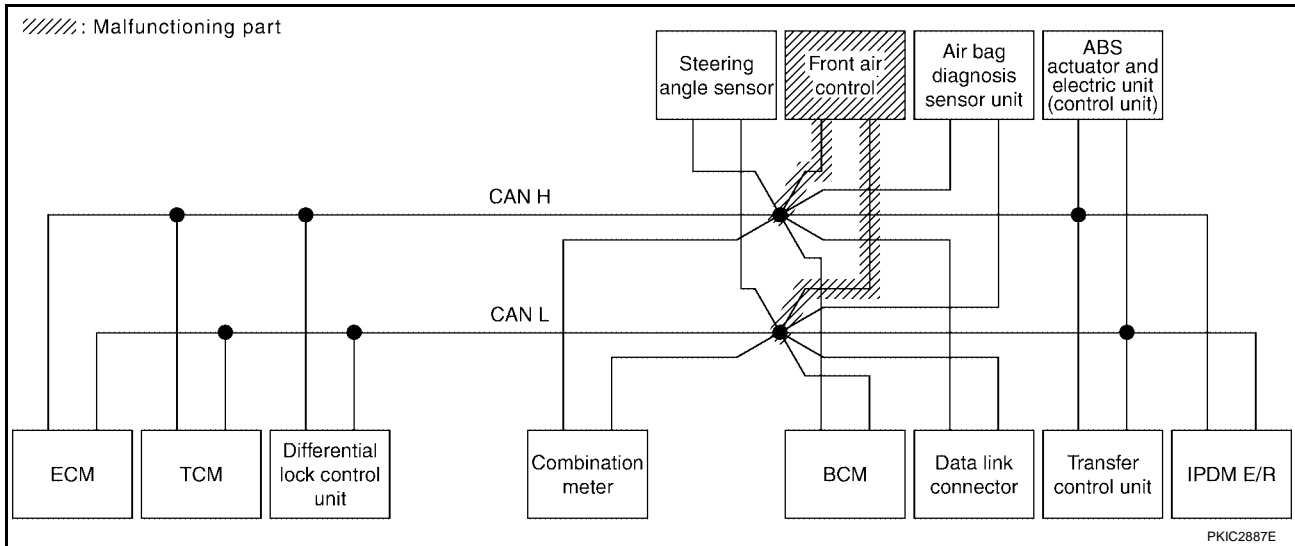
[CAN]

Case 11

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	STRG	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)	-	
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	-	-	
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)	-	

PKIC3401E



PKIC2887E

CAN SYSTEM (TYPE 14)

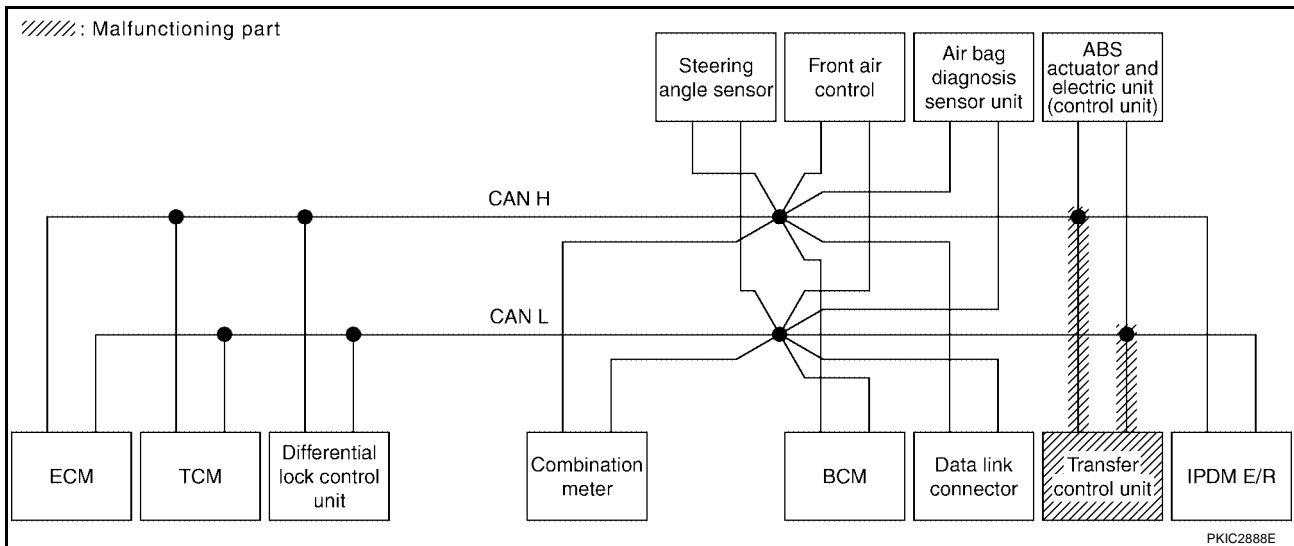
[CAN]

Case 12

Check transfer control unit circuit. Refer to [LAN-361, "Transfer Control Unit Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	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 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	-	-	-	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)	-	

PKIC3402E

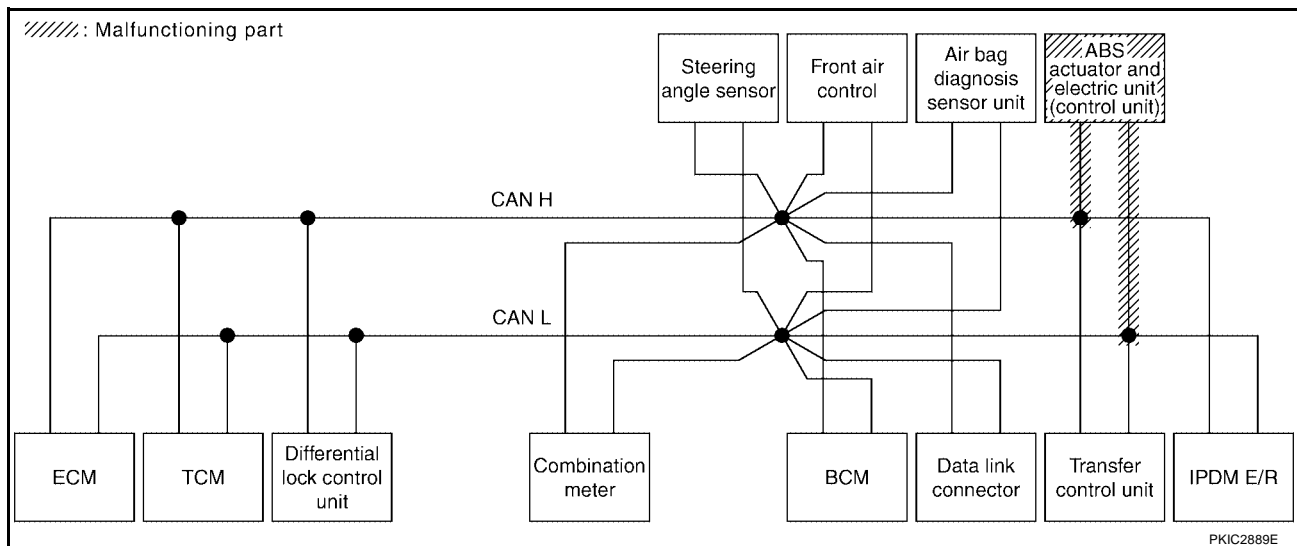


Case 13

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	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	-	-	-	UNKWN	-	-	UNKWN	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	✓	UNKWN	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3403E



PKIC2889E

CAN SYSTEM (TYPE 14)

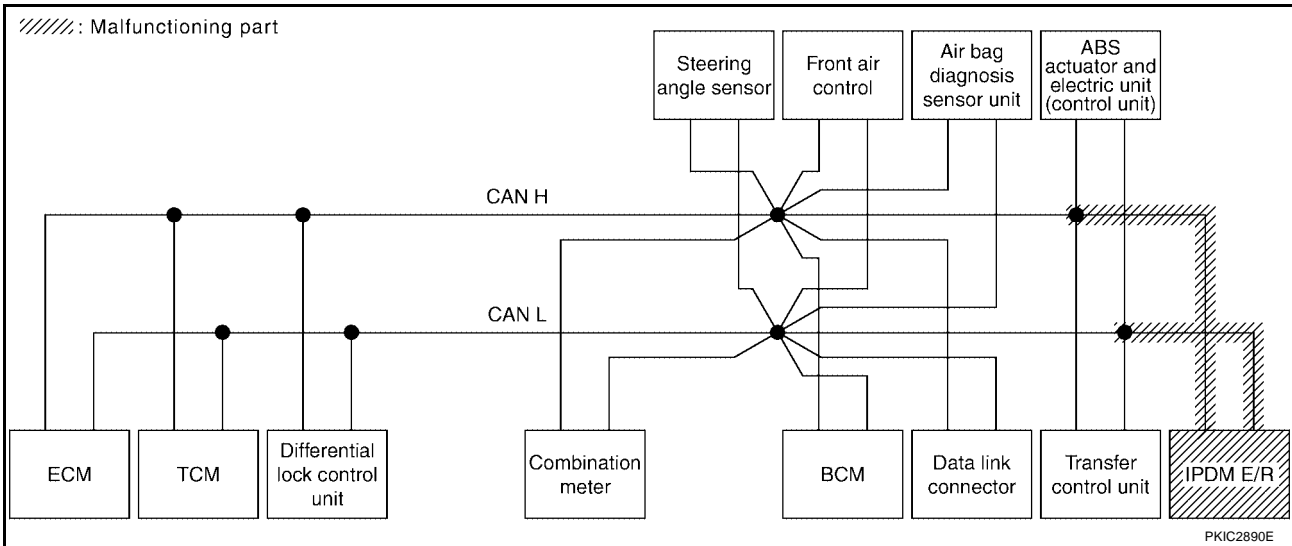
[CAN]

Case 14

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	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	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)	-

PKIC3404E



Case 15

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	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	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)	-

PKIC3405E

CAN SYSTEM (TYPE 14)

[CAN]

Case 16

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	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 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	–	–	–	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)	–	

PKIC3406E

Case 17

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	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 CIRCUIT (U1001)	
A/T	–	NG	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	–	–	–	–	–	–	–	CAN COMM CIRCUIT (U1000)	–	
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

B

Refer to [LAN-26, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004NW

C

Refer to [LAN-27, "Wiring Diagram — CAN —"](#) .

D

E

F

G

H

I

J

LAN

L

M

CAN SYSTEM (TYPE 15)

[CAN]

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

A
B
C
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L
M

LAN

PKIB6773E

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

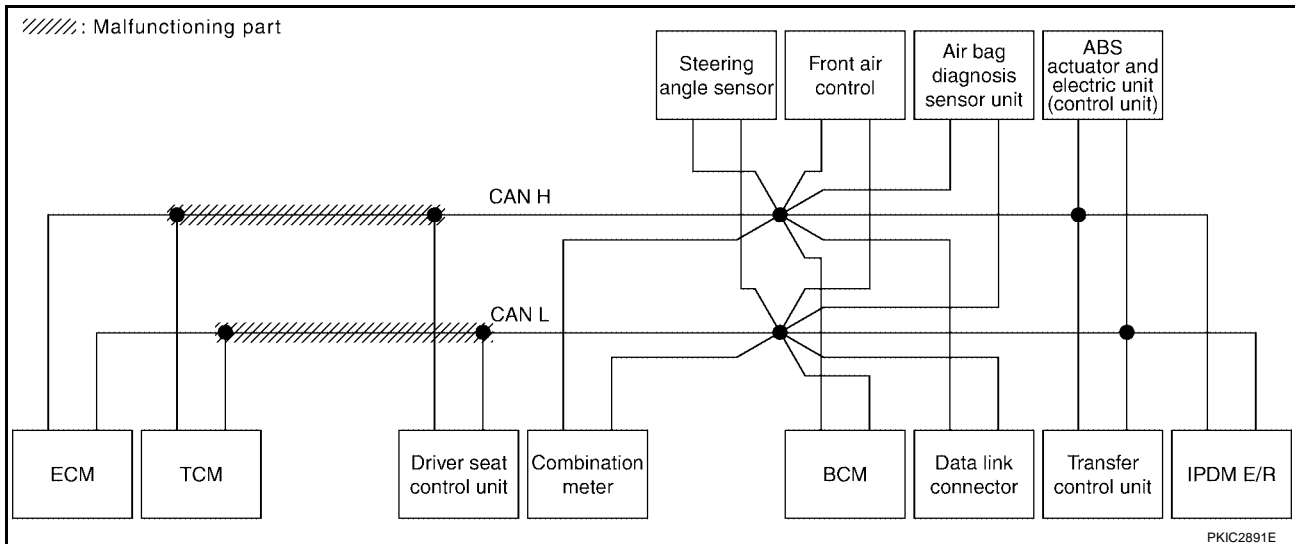
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	-	-	UNKWN	-	UNKWN	✓	✓	-	✓	✓	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
A/T	-	NG	UNKWN	UNKWN	-	✓	-	-	✓	✓	-	CAN COMM CIRCUIT (U1000)	-	
AUTO DRIVE POS.	No indication	-	-	-	✓	UNKWN	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	
BCM	No indication	NG	UNKWN	✓	-	UNKWN	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-	
HVAC	No indication	-	UNKWN	✓	-	-	UNKWN	-	-	UNKWN	-	-	-	
ALL MODE AWD/4WD	-	NG	UNKWN	✓	✓	UNKWN	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-	
ABS	-	NG	UNKWN	✓	✓	-	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	✓	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3408E

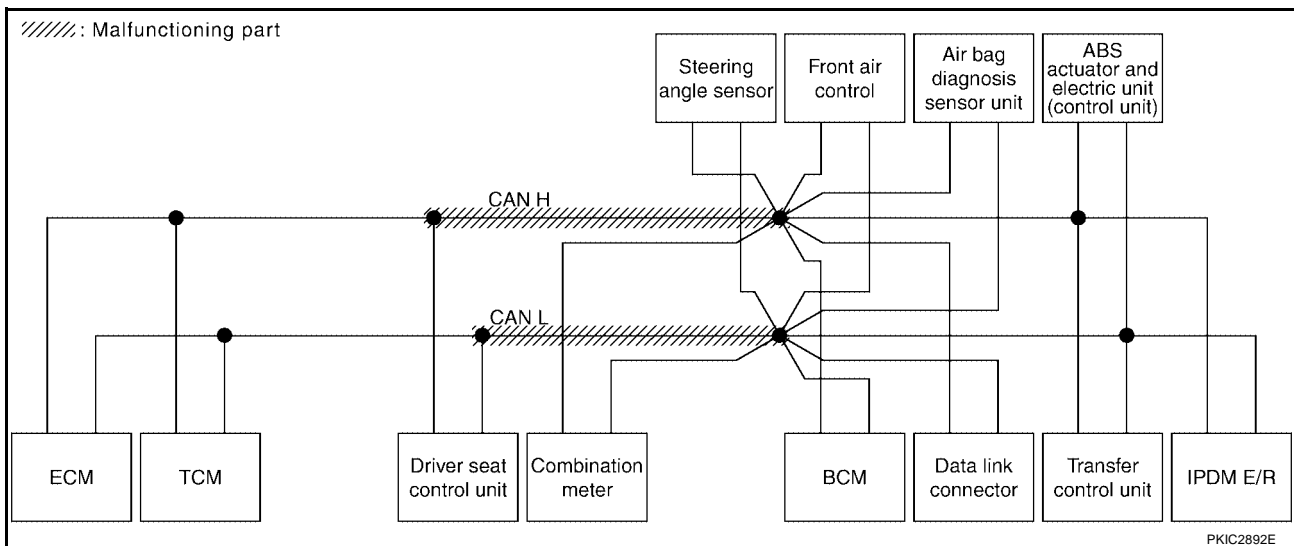


Case 2

Check harness between driver seat control unit and data link connector. Refer to [LAN-354, "Inspection Between Driver Seat Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	STRG	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	-	-	-	-	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)	-

PKIC3409E



CAN SYSTEM (TYPE 15)

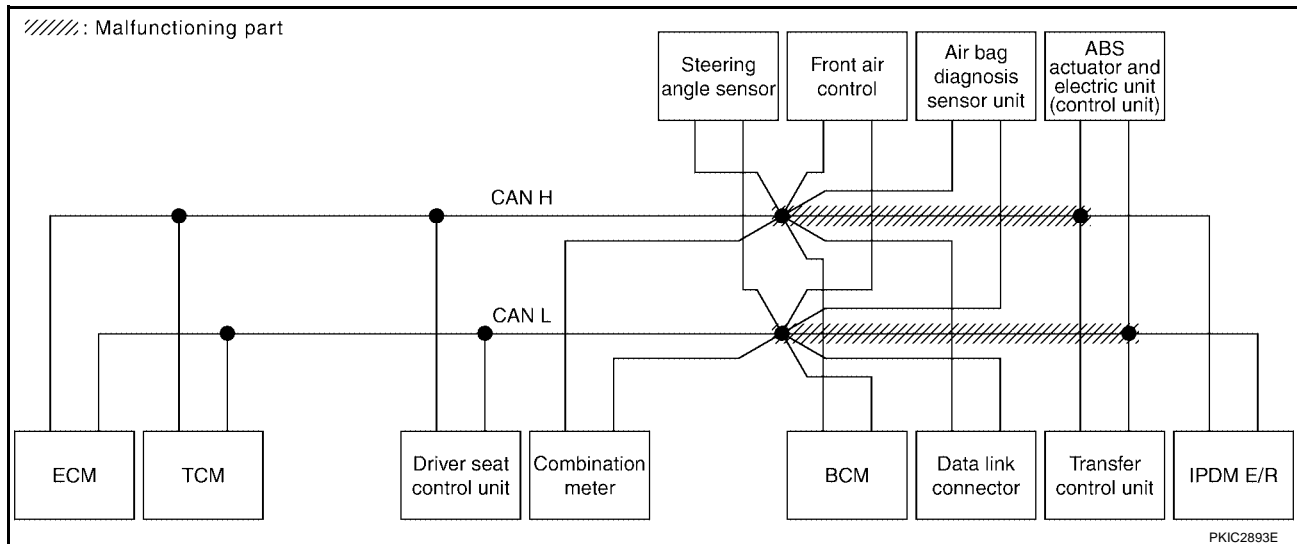
[CAN]

Case 3

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		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	STRG	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	-	-	-	-	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)	-

PKIC3410E



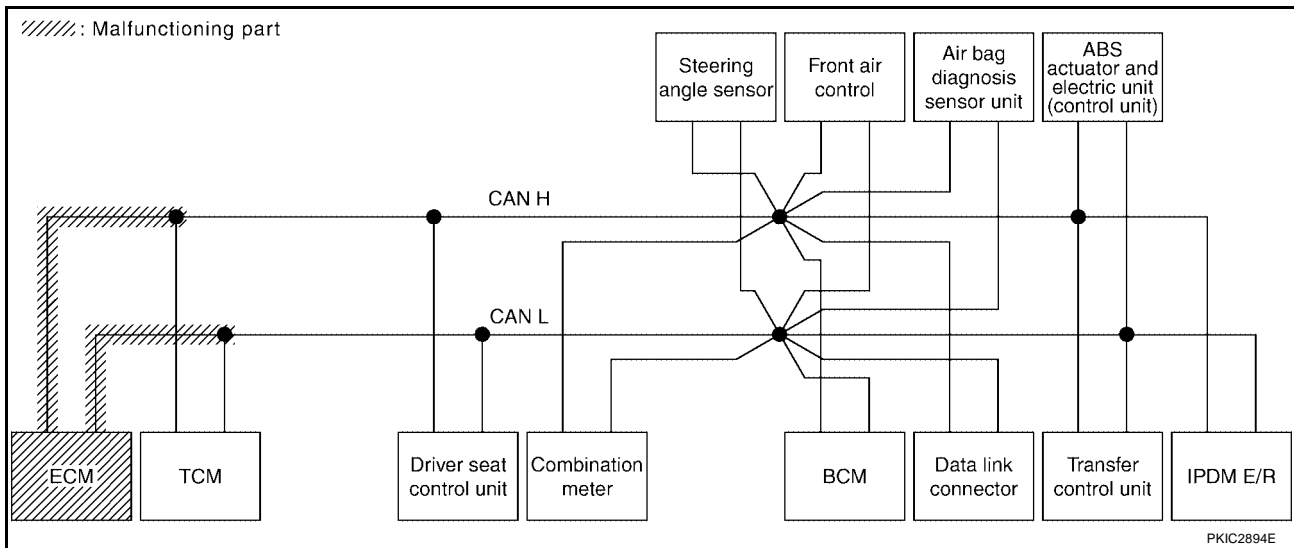
PKIC2893E

Case 4

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R		
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	UNKWN	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U100)	CAN COMM CIRCUIT (U101)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U100)	-
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 (U100)	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U100)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U100)	-

PKIC3411E

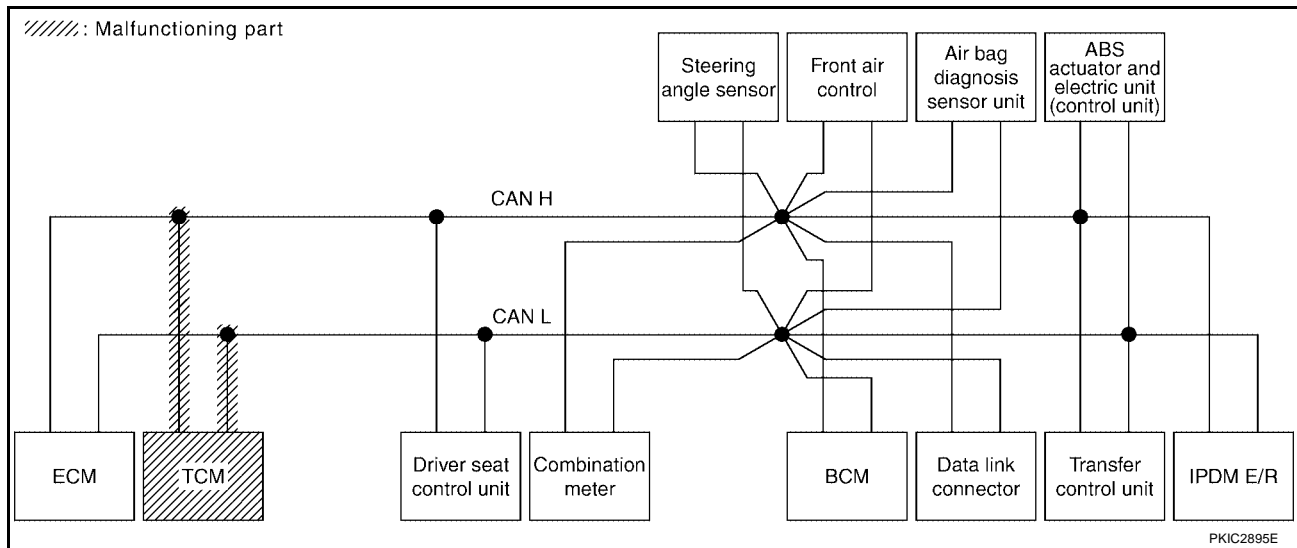


Case 5

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	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	✓	-	✓	-	-	✓	✓	-	CAN COMM CIRCUIT (U1000)	✓	-	-
AUTO DRIVE POS.	No indication	-	-	-	✓	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	-	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)	-	-	-

PKIC3412E

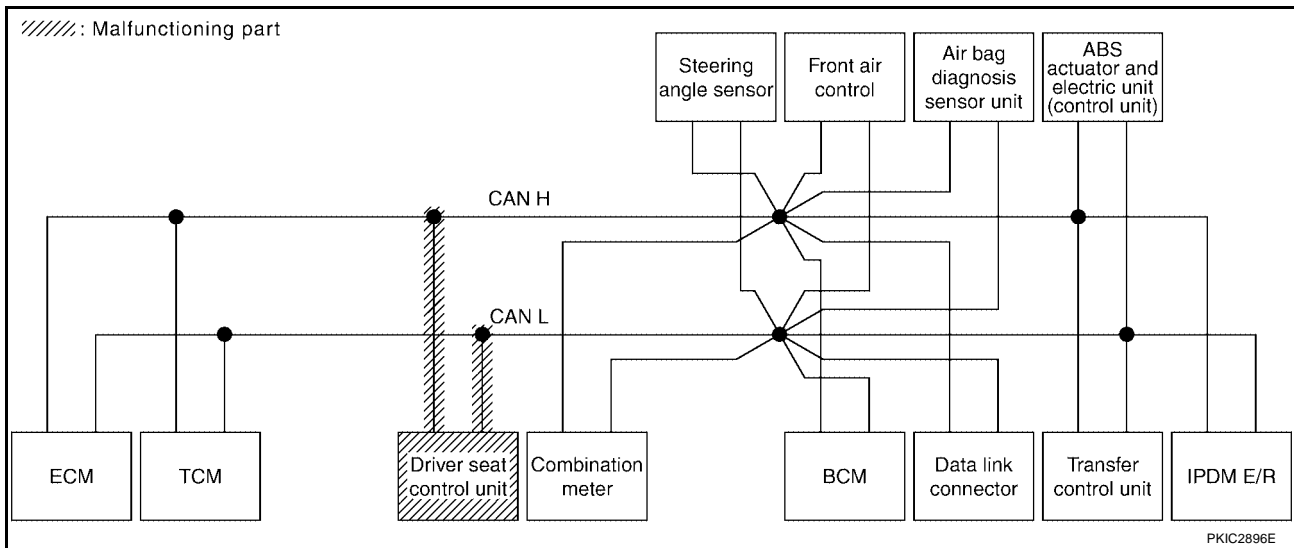


Case 6

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	METER /M&A	BCM/SEC	STRG	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	-	-	-	-	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)	-	

PKIC3413E

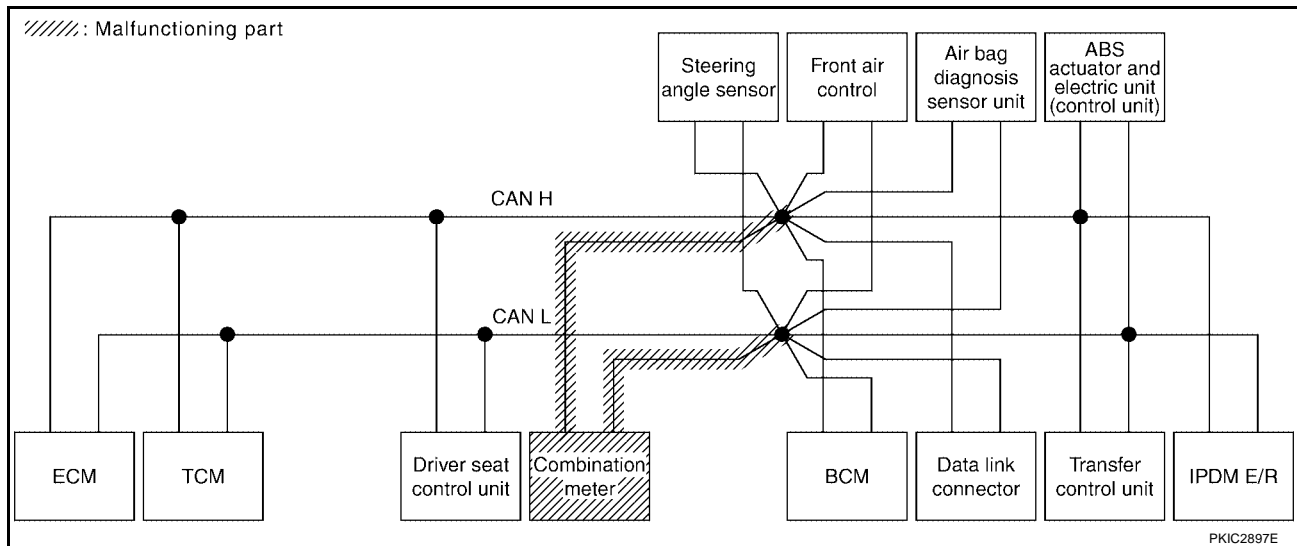


Case 7

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	METER /M&A	BCM/SEC	STRG	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	-	-	-	-	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)	-	

PKIC3414E

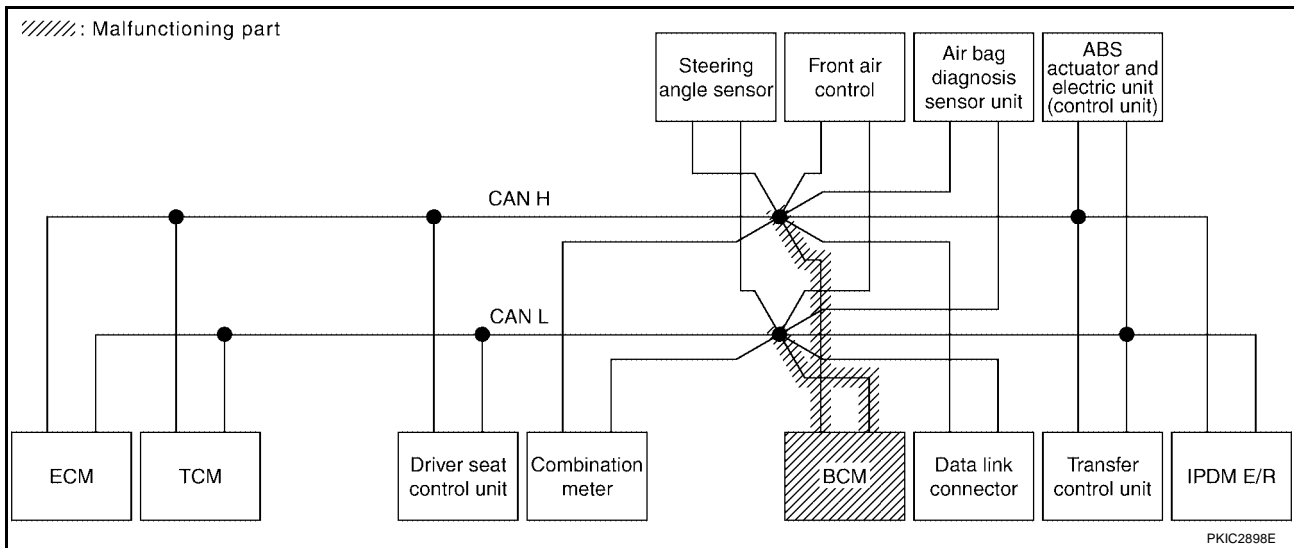


Case 8

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	STRG	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 ✓	–	–	–	–	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) ✓	–

PKIC3415E



CAN SYSTEM (TYPE 15)

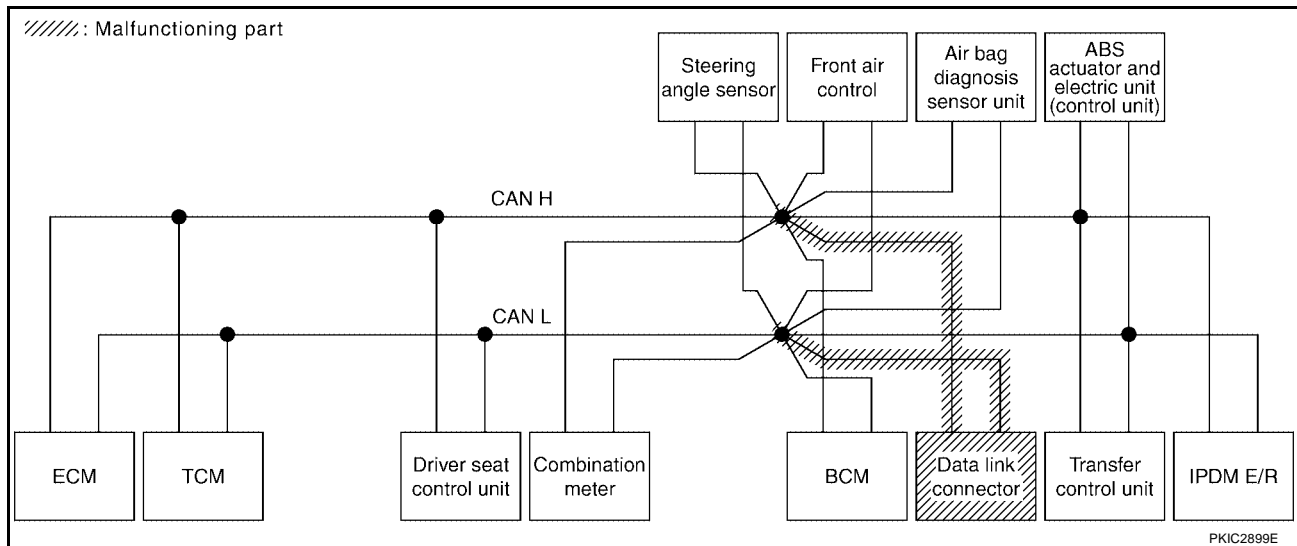
[CAN]

Case 9

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	STRG	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	-	-	-	-	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)	-

PKIC3416E

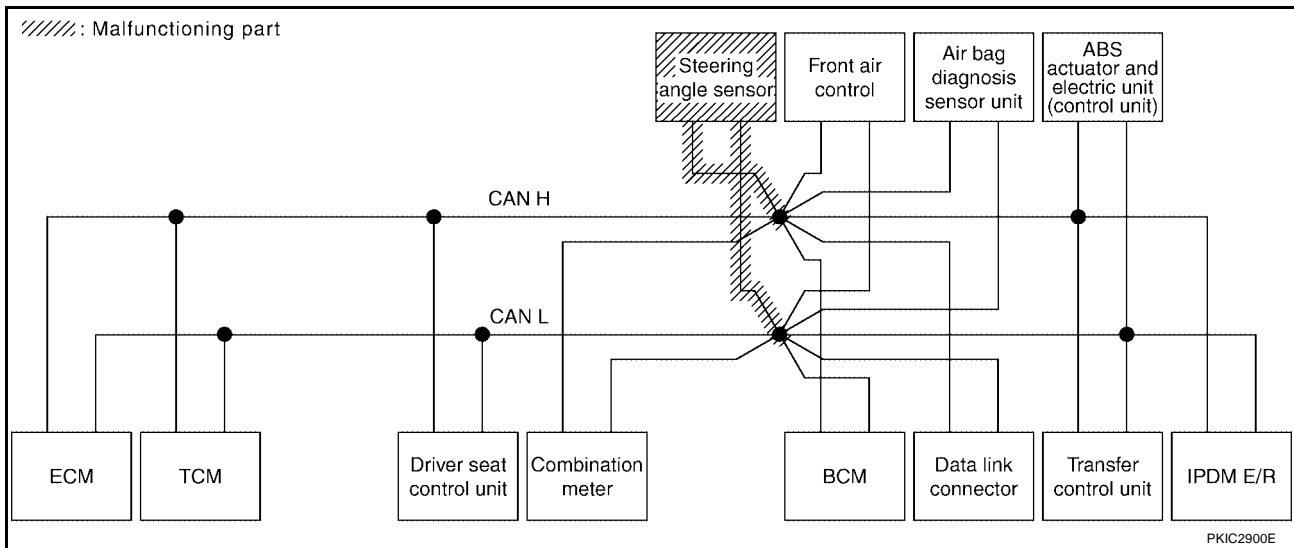


Case 10

Check steering angle sensor circuit. Refer to [LAN-360, "Steering Angle Sensor Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	METER /M&A	BCM/SEC	STRG	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	–	–	–	–	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 indication	–	UNKWN	UNKWN	–	–	UNKWN	–	–	–	–	CAN COMM CIRCUIT (U1000)	–	

PKIC3417E



CAN SYSTEM (TYPE 15)

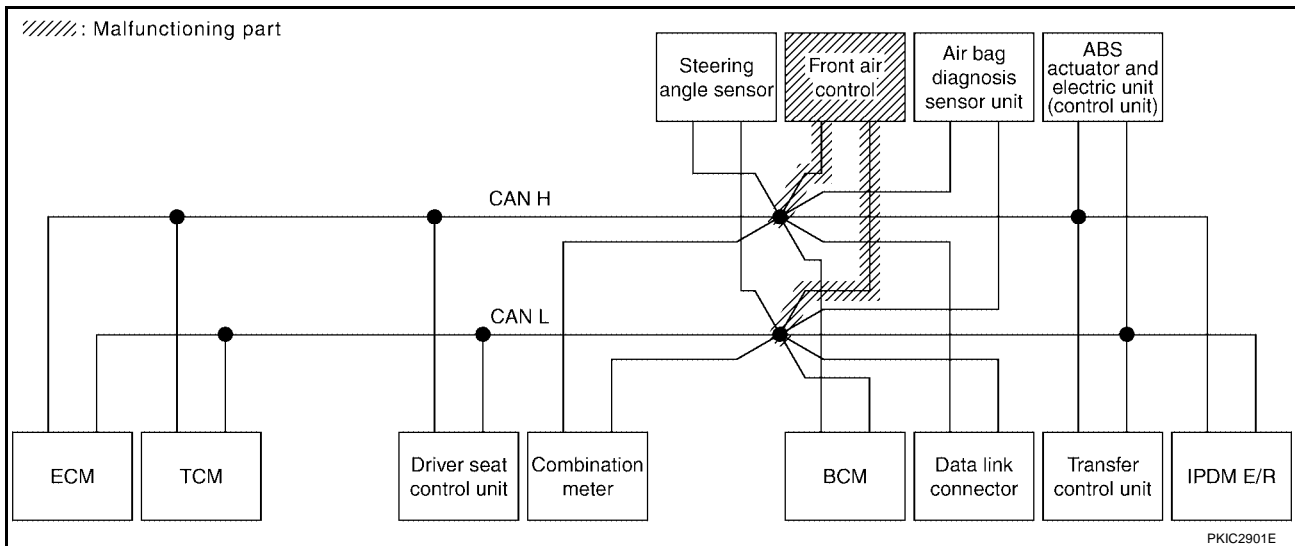
[CAN]

Case 11

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	METER /M&A	BCM/SEC	STRG	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	-	-	-	-	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)	-	

PKIC3418E

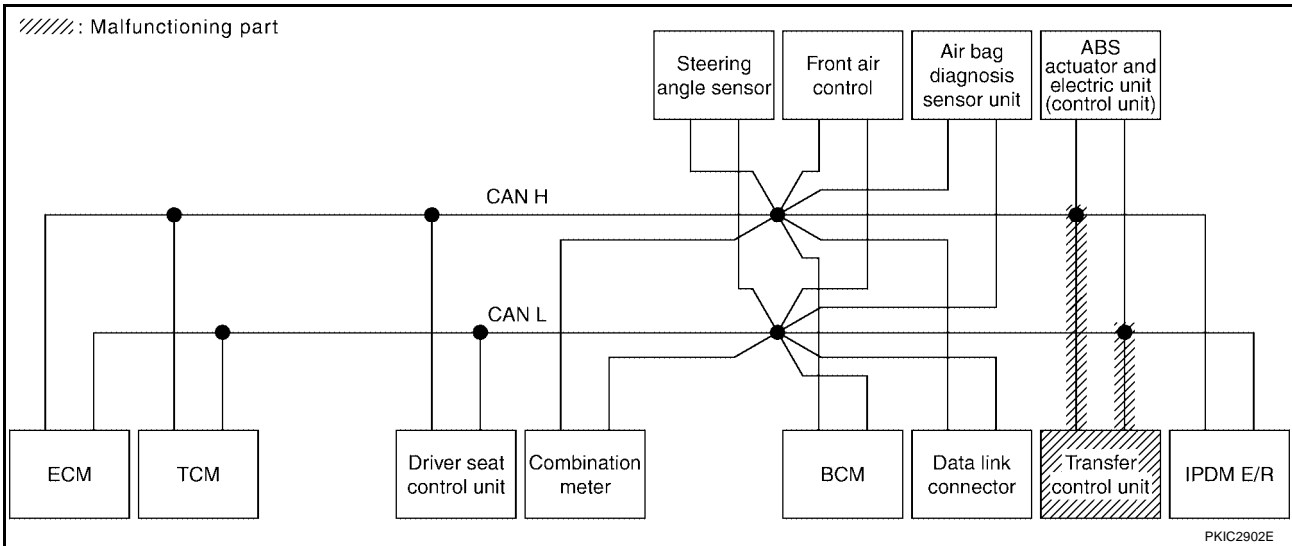


Case 12

Check transfer control unit circuit. Refer to [LAN-361, "Transfer Control Unit Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	STRG	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	—	—	—	—	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)	—

PKIC3419E



CAN SYSTEM (TYPE 15)

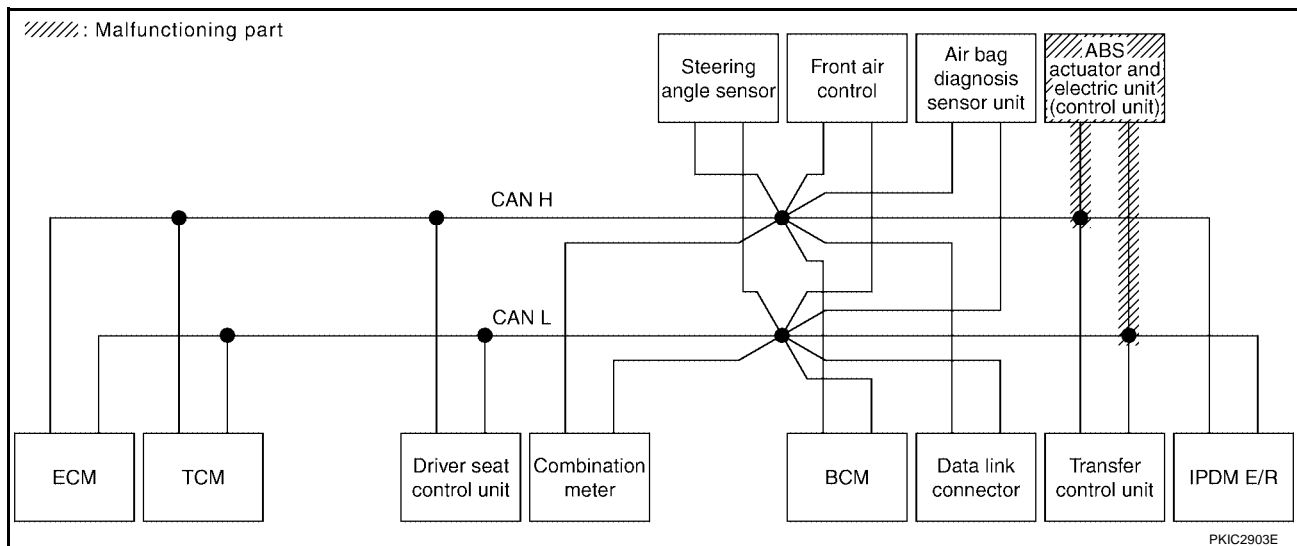
[CAN]

Case 13

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	STRG	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	-	-	-	-	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	-	✓	UNKWN	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3420E



CAN SYSTEM (TYPE 15)

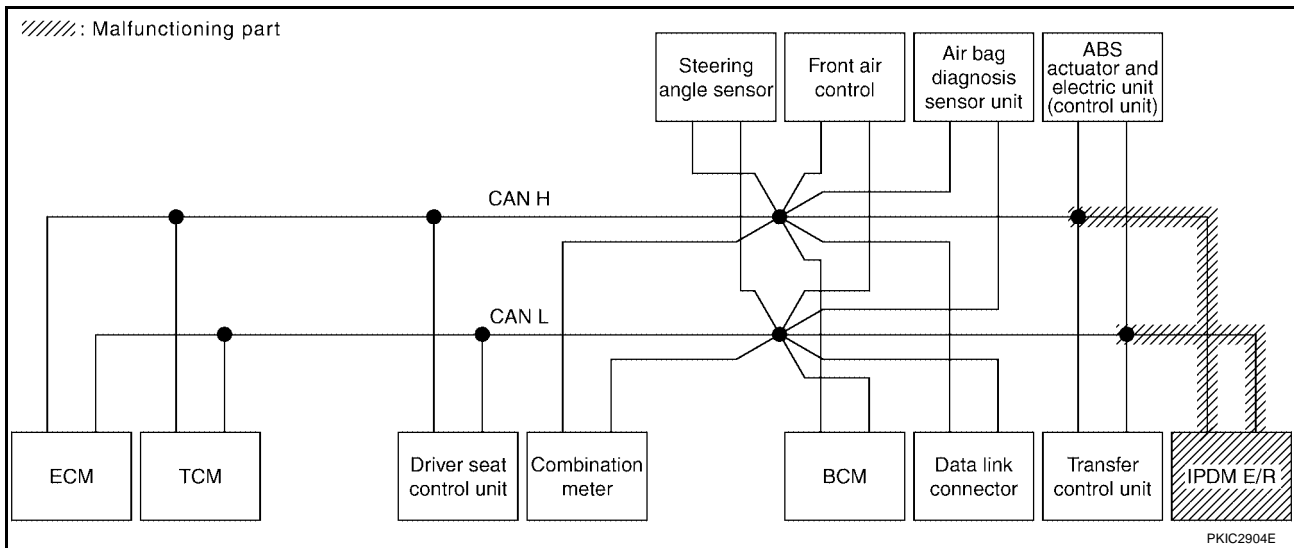
[CAN]

Case 14

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	—	—	UNKWN	—	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)	—
BCM	No indication	NG	UNKWN	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)	—

PKIC3421E



Case 15

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	VDC/TCS /ABS	IPDM E/R			
ENGINE	—	—	UNKWN	—	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)	—
BCM	No indication	NG	UNKWN	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)	—

PKIC3422E

CAN SYSTEM (TYPE 15)

[CAN]

Case 16

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
				ECM	TCM	METER /M&A	BCM/SEC	STRG	AWD/4WD	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	UNKWN	–	CAN COMM CIRCUIT (U1000)	–
AUTO DRIVE POS.	No indication	–	–	–	✓	UNKWN	UNKWN	–	–	–	–	CAN COMM CIRCUIT (U1000)	–
BCM	No indication	NG	UNKWN	UNKWN	–	UNKWN	–	–	–	–	UNKWN	CAN COMM CIRCUIT (U1000)	–
HVAC	No indication	–	UNKWN	UNKWN	–	–	UNKWN	–	–	✓	–	–	–
ALL MODE AWD/4WD	–	NG	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)	–

PKIC3423E

Case 17

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis									
		ECM	TCM	METER /M&A	BCM/SEC	STRG	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 (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	–	–	–	–	–	–	CAN COMM CIRCUIT (U1000)	–
IPDM E/R	No indication	–	UNKWN	UNKWN	–	–	UNKWN	–	–	–	–	CAN COMM CIRCUIT (U1000)	–

PKIC3424E

CAN SYSTEM (TYPE 16)

[CAN]

CAN SYSTEM (TYPE 16)

PF2:23710

Component Parts and Harness Connector Location

UKS004NY

A

Refer to [LAN-25, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS004NZ

B

Refer to [LAN-26, "Schematic"](#) .

Wiring Diagram — CAN —

UKS00400

C

Refer to [LAN-27, "Wiring Diagram — CAN —"](#) .

D

E

F

G

H

I

J

LAN

L

M

CAN SYSTEM (TYPE 16)

[CAN]

UKS00401

Check Sheet

NOTE:

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

Check sheet table														SELF-DIAG RESULTS	
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	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	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
SELECT SYSTEM

Attach copy of
SELECT SYSTEM

Display control unit Translation Sheet: Rewrite the following names, and put a check mark on the above check sheet table.			
Confirmation/Adjustment Display	Check sheet table Display	Confirmation/Adjustment Display	Check sheet table Display
CAN COMM	Initial diagnosis	CAN CIRC 5	METER/M&A
CAN CIRC 1	Transmit diagnosis	CAN CIRC 6	-
CAN CIRC 2	BCM	CAN CIRC 7	IPDM E/R
CAN CIRC 3	ECM	CAN CIRC 8	-
CAN CIRC 4	HVAC	CAN CIRC 9	-

Attach copy of
display control unit
CAN DIAG SUPPORT MONITOR check sheet

PKIC2952E

CAN SYSTEM (TYPE 16)

[CAN]

A
B
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L
M

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

LAN

PKIB6773E

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

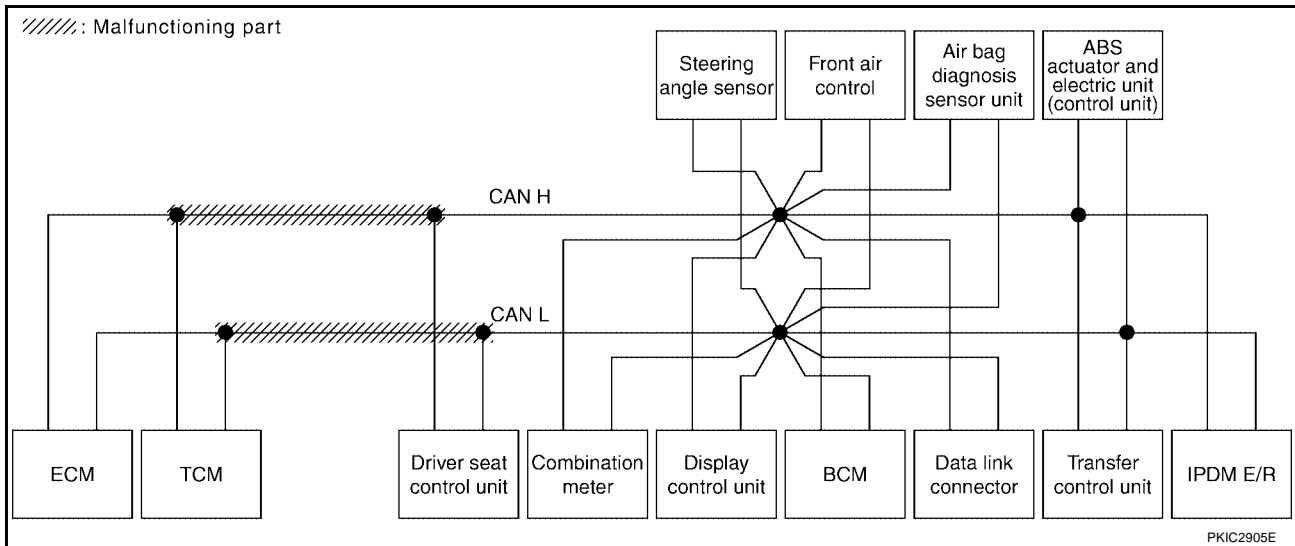
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
				ECM	TCM	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 (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)	-	

PKIC3425E



CAN SYSTEM (TYPE 16)

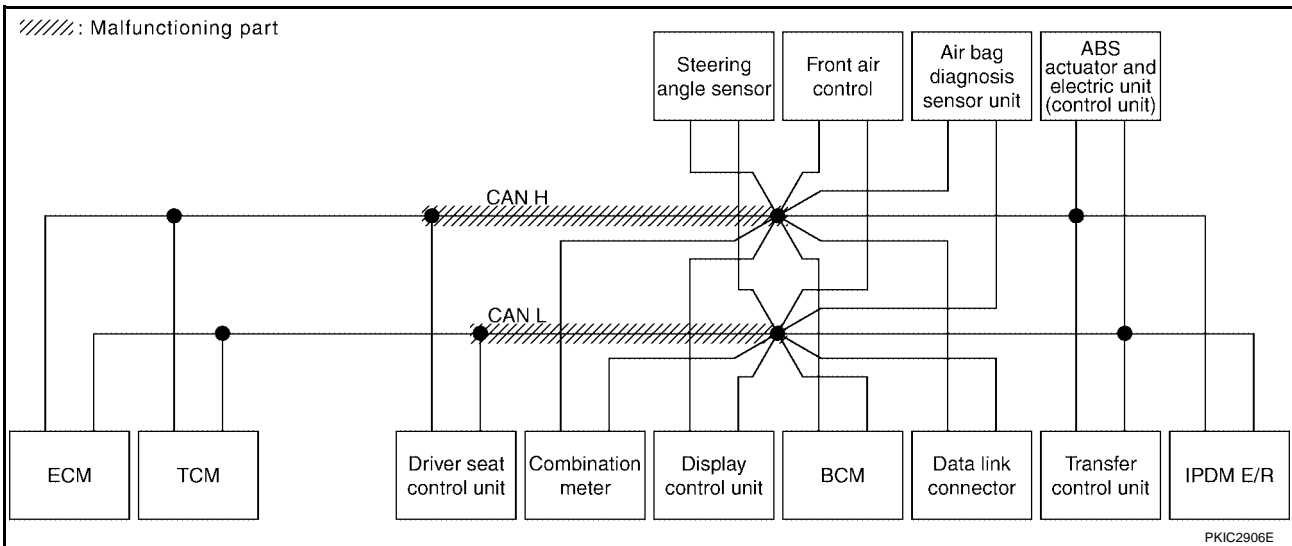
[CAN]

Case 2

Check harness between driver seat control unit and data link connector. Refer to [LAN-354, "Inspection Between Driver Seat Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS											
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS												
ENGINE	-	-	UNKWN	-	UNKWN	✓	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
A/T	-	NG	UNKWN	UNKWN	-	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)	-	

PKIC3426E



PKIC2906E

CAN SYSTEM (TYPE 16)

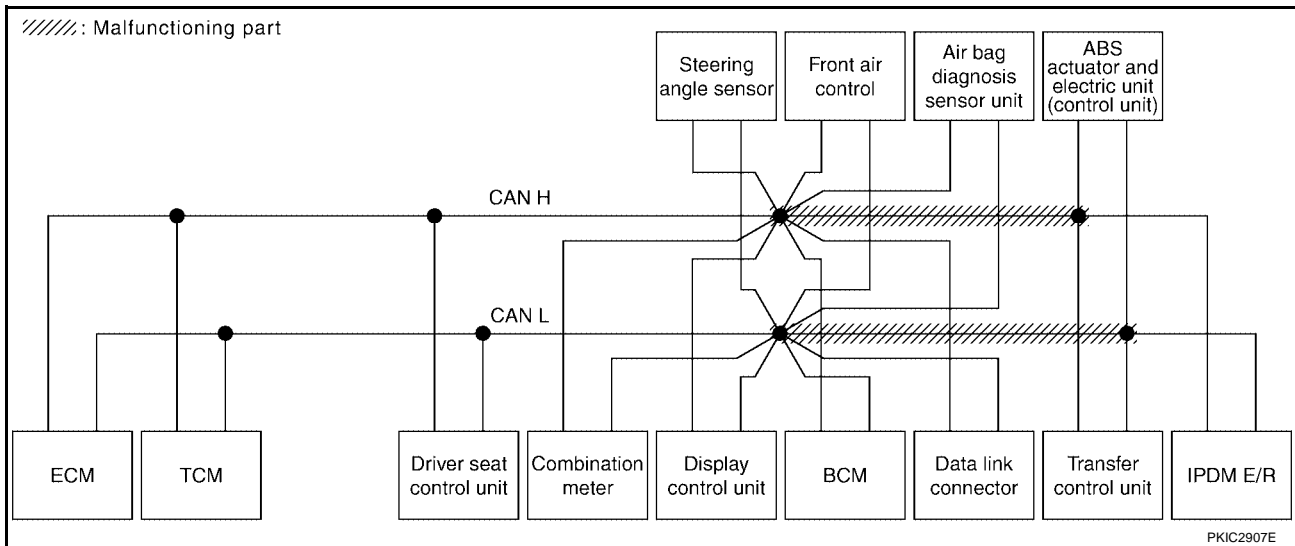
[CAN]

Case 3

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		CAN DIAG SUPPORT MNTR												SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	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	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)	-

PKIC3427E



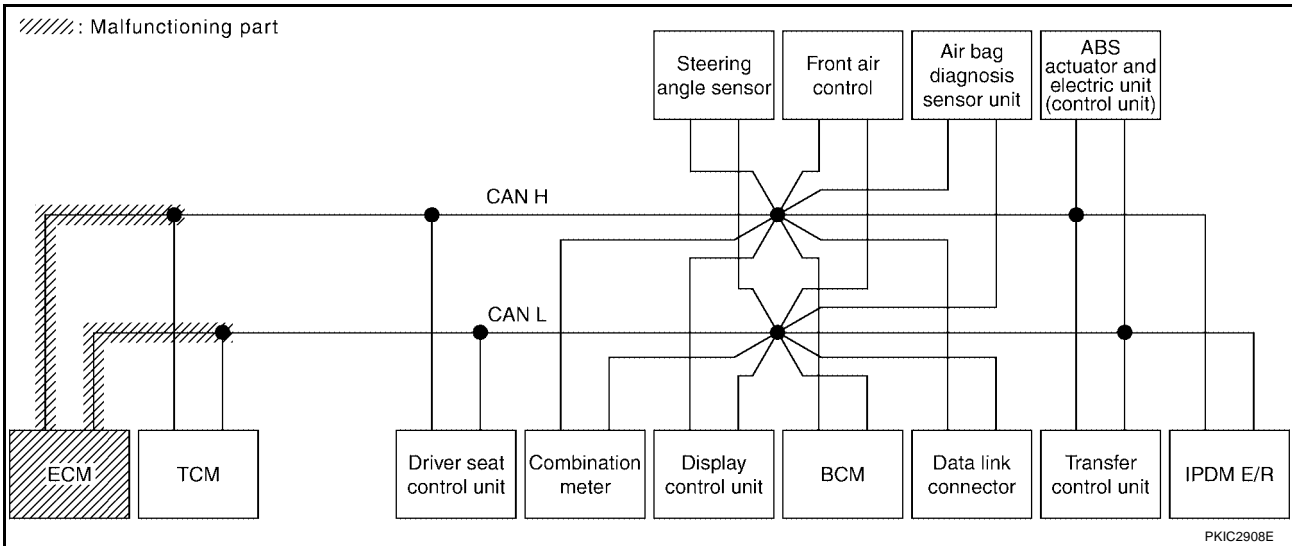
PKIC2907E

Case 4

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS							
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R					
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS								
ENGINE	-	-	UNKW	✓	UNKW	✓	UNKW	✓	UNKW	✓	UNKW	✓	UNKW	✓	UNKW	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)		
A/T	-	NG	UNKW	✓	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	CAN COMM CIRCUIT (U1000)	-		
AUTO DRIVE POS.	No indication	-	-	-	UNKW	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	CAN COMM CIRCUIT (U1000)	-	
Display control unit	-	NG	UNKW	✓	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	-	-		
BCM	No indication	NG	UNKW	✓	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	CAN COMM CIRCUIT (U1000)	-		
HVAC	No indication	-	UNKW	✓	UNKW	-	UNKW	UNKW	-	UNKW	-	UNKW	-	UNKW	-	-	-	-		
ALL MODE AWD/4WD	-	NG	UNKW	✓	UNKW	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	CAN COMM CIRCUIT (U1000)	-	
ABS	-	NG	UNKW	✓	UNKW	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKW	✓	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	UNKW	-	CAN COMM CIRCUIT (U1000)	-

PKIC3428E

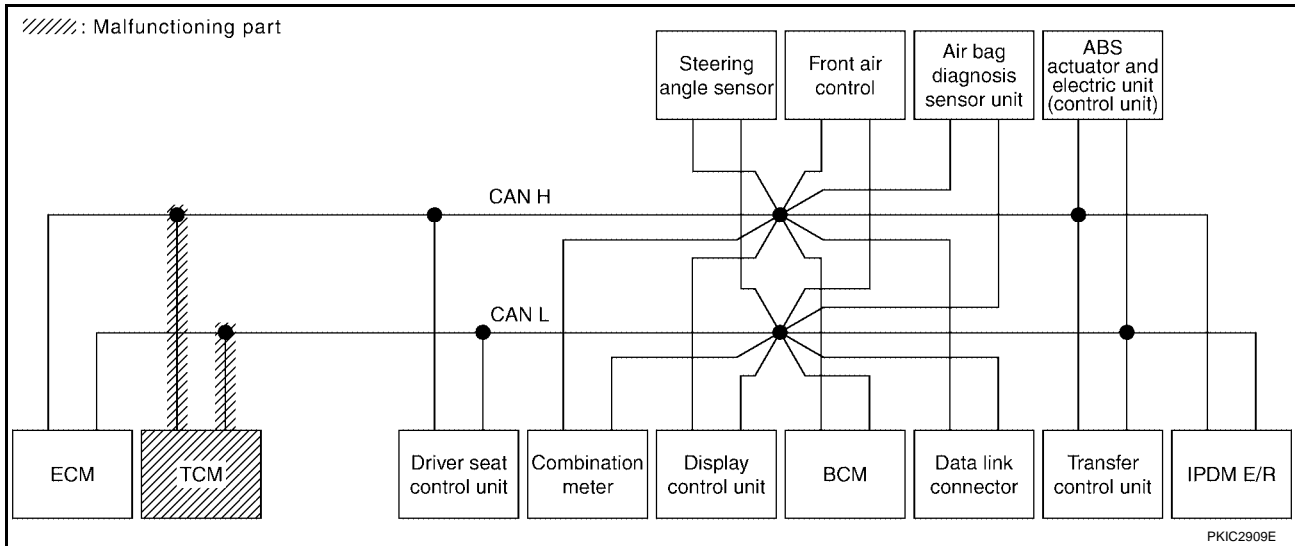


Case 5

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
ENGINE	-	-	UNKWN	-	UN ✓ KN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UN ✓ KN	-	UN ✓ KN	-	-	-	-	UN ✓ KN	UN ✓ KN	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	UN ✓ KN	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	UN ✓ KN	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	UNKWN	UN ✓ KN	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3429E



CAN SYSTEM (TYPE 16)

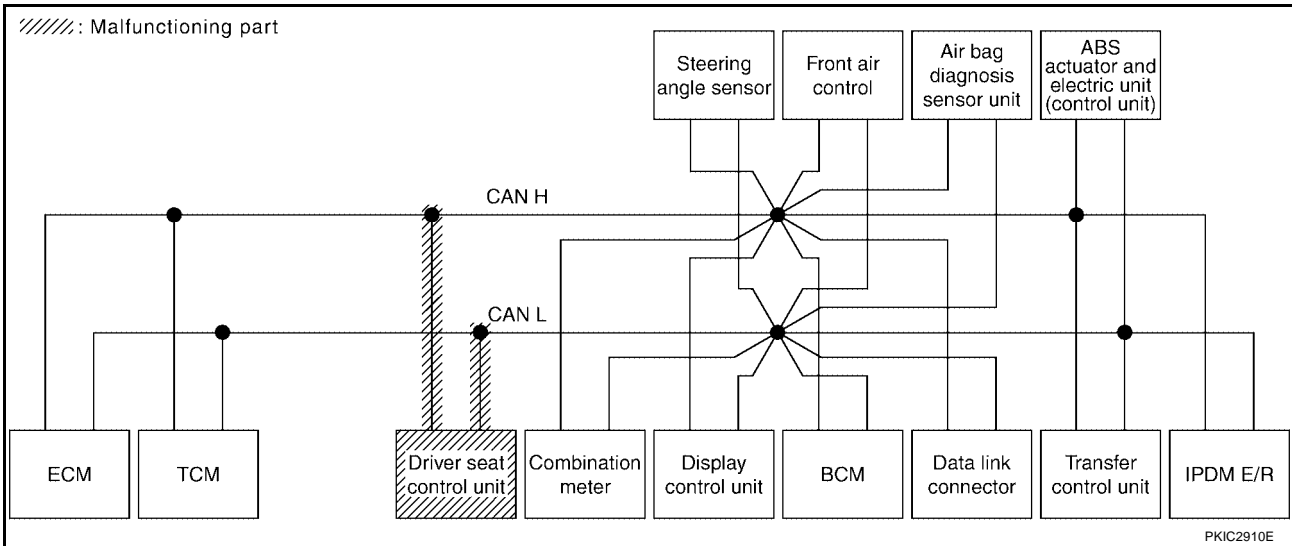
[CAN]

Case 6

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS											
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS												
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)	-									

PKIC3430E

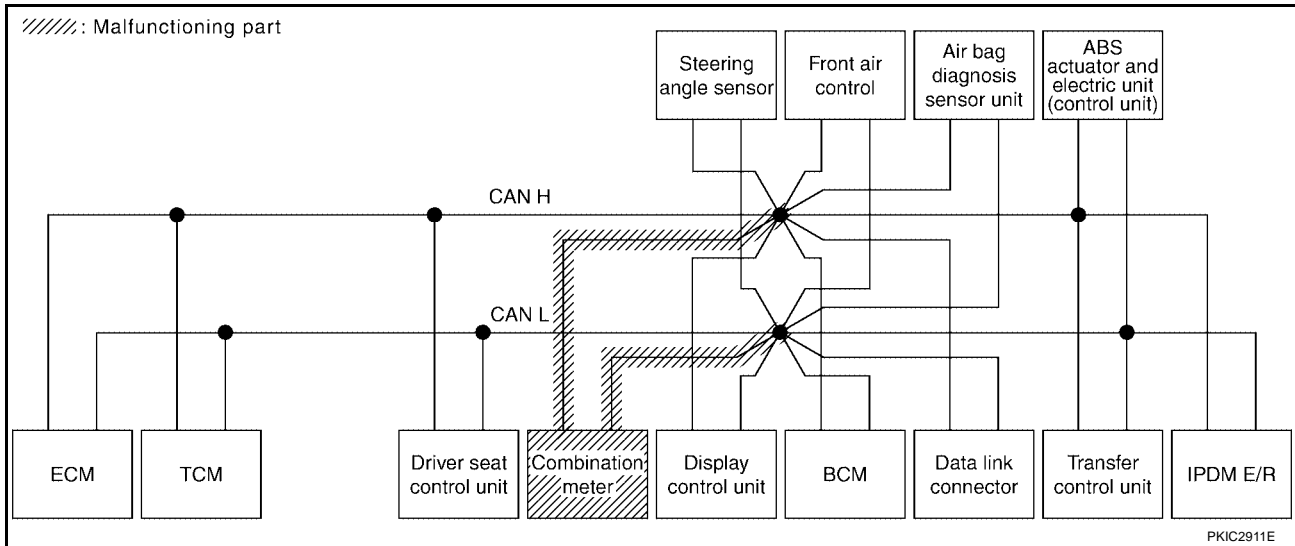


Case 7

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
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	-	-	-	-	-	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	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	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)	-

PKIC3431E

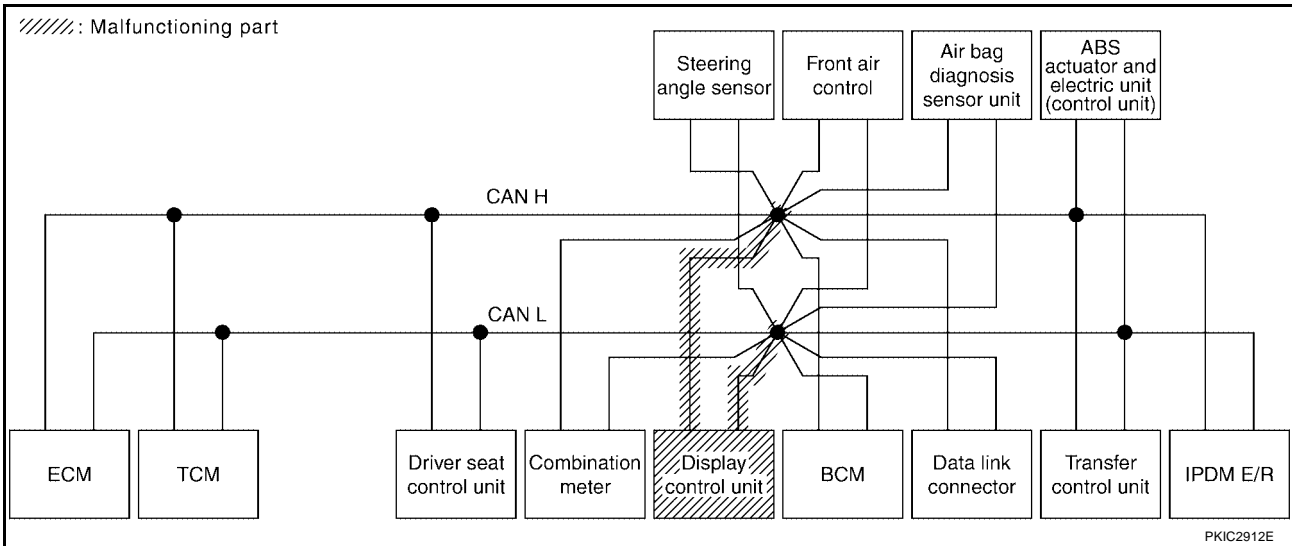


Case 8

Check display control unit circuit. Refer to [LAN-358, "Display Control Unit Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	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	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)	-

PKIC3432E



CAN SYSTEM (TYPE 16)

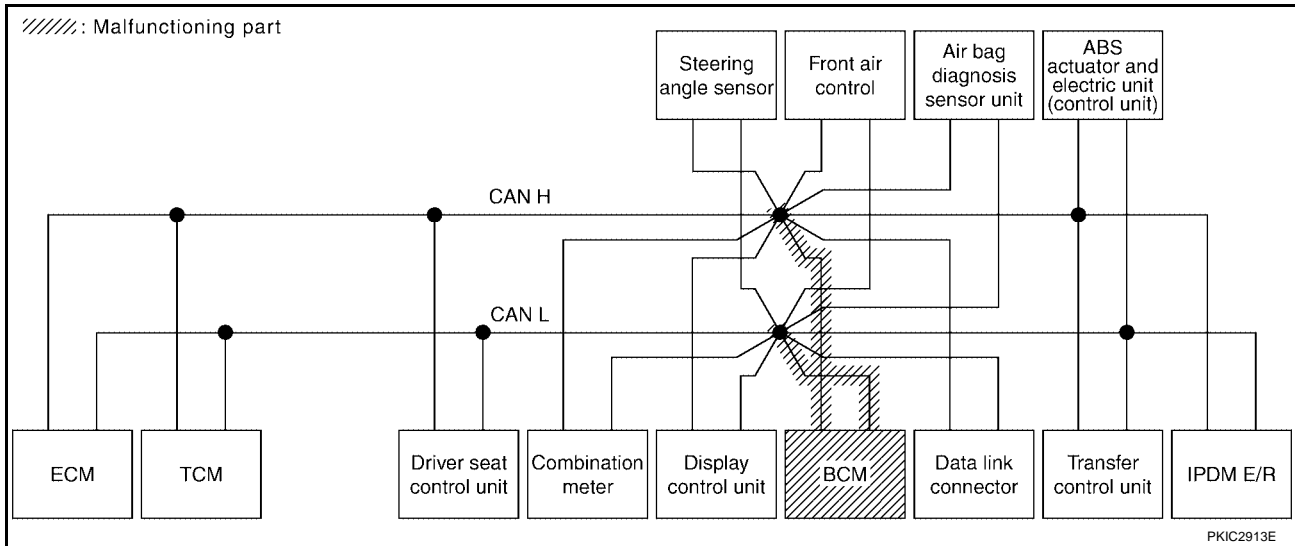
[CAN]

Case 9

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
				ECM	TCM	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	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)	-

PKIC3433E

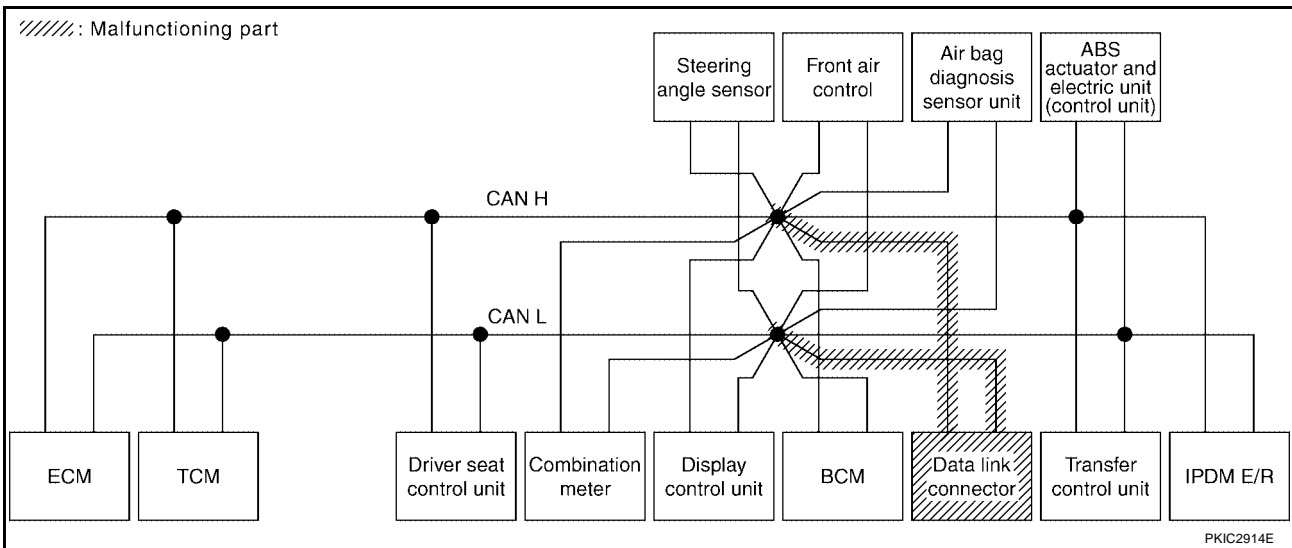


Case 10

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
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)	-

PKIC3434E

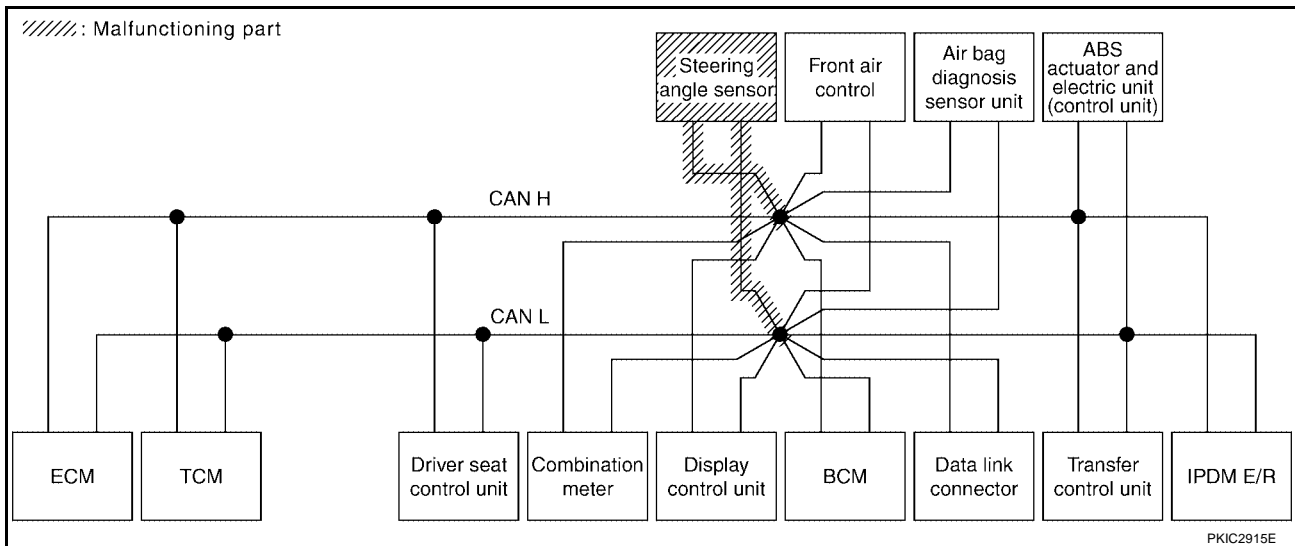


Case 11

Check steering angle sensor circuit. Refer to [LAN-360, "Steering Angle Sensor Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	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	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)	-

PKIC3435E

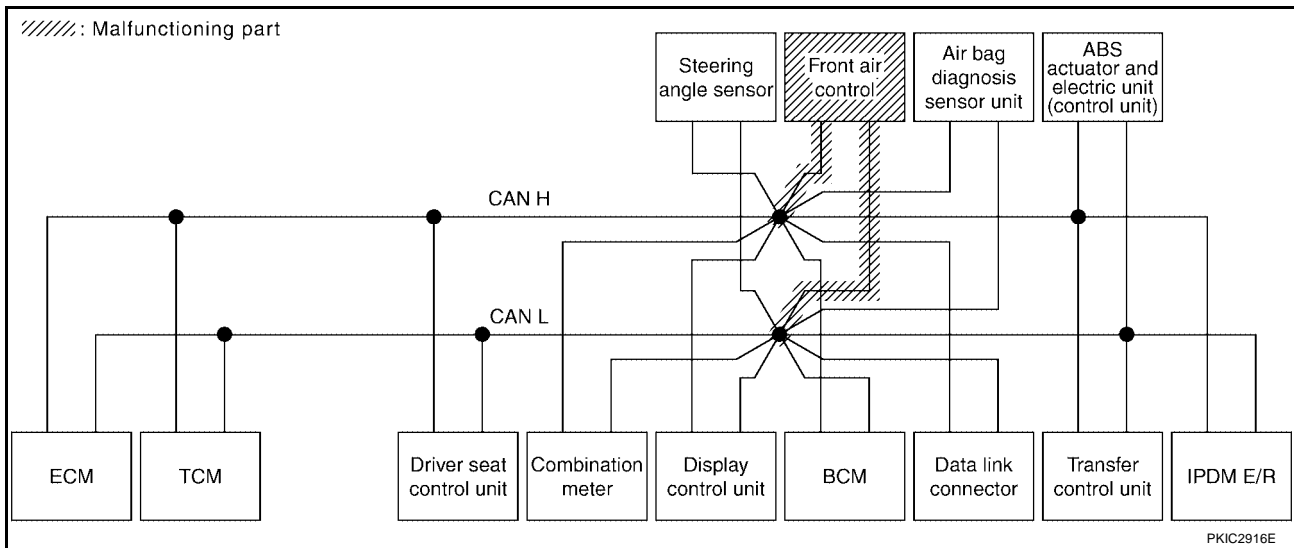


Case 12

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS				
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	NG	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)	-	

PKIC3436E



CAN SYSTEM (TYPE 16)

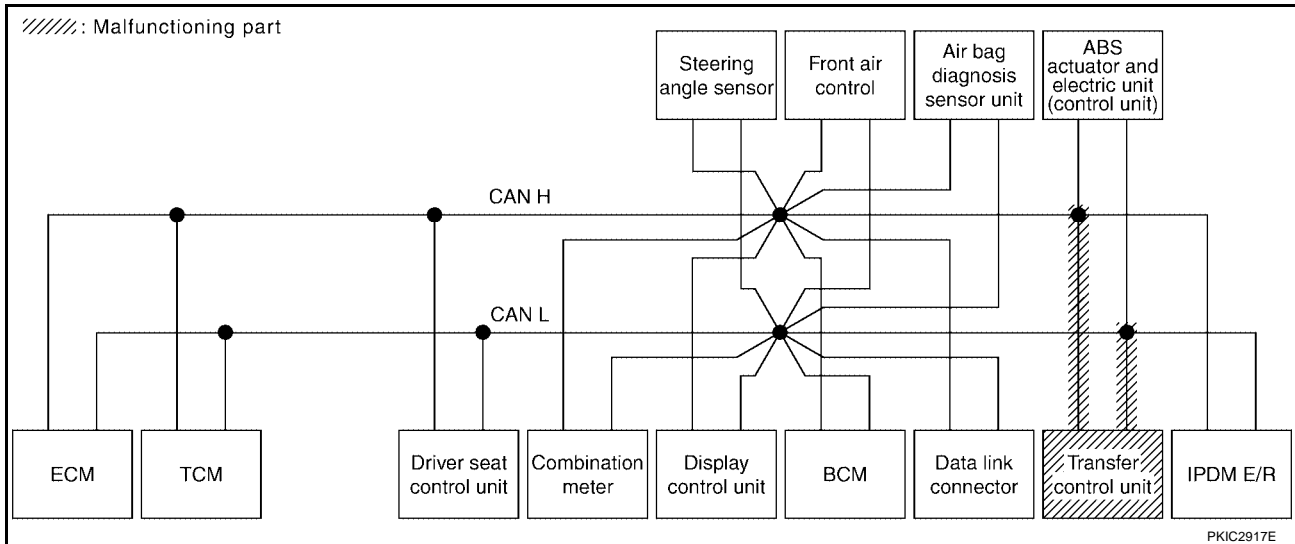
[CAN]

Case 13

Check transfer control unit circuit. Refer to [LAN-361, "Transfer Control Unit Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											
				ECM	TCM	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	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)	-

PKIC3437E

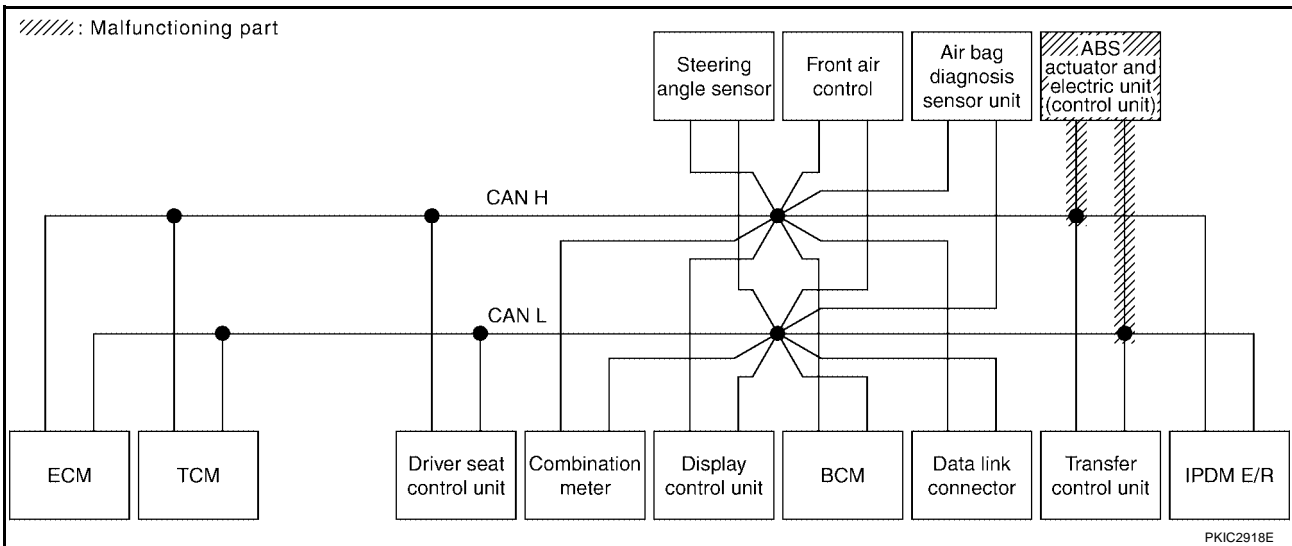


Case 14

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS											
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS	IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS												
ENGINE	-	-	UNKWN	-	UNKWN	UNKWN	-	UNKWN	-	-	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	UNKWN	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	-	-	-	-	-	-	-	-	-	-	-	-	-	
BCM	No indication	NG	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-	
HVAC	No indication	-	UNKWN	UNKWN	-	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	-	UNKWN	-	-	-	-	
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	-	-	-	UNKWN	-	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-	
ABS	-	✓	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	-	-	-	-	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-	
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	-	-	-	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-	

PKIC3438E



CAN SYSTEM (TYPE 16)

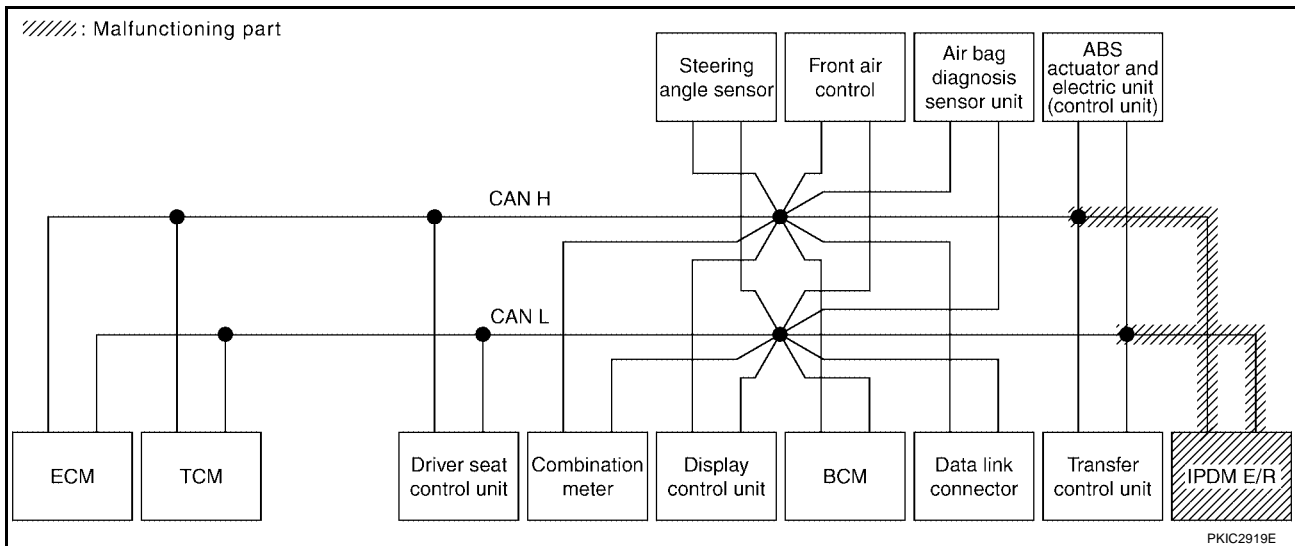
[CAN]

Case 15

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
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)	-

PKIC3439E



Case 16

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
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)	-

PKIC3440E

CAN SYSTEM (TYPE 16)

[CAN]

Case 17

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
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)	-

PKIC3441E

Case 18

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis											IPDM E/R
				ECM	TCM	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
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)	-
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 (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3442E

CAN SYSTEM (TYPE 17)

PF2:23710

Component Parts and Harness Connector Location

UKS00402

Refer to [LAN-25, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS00403

Refer to [LAN-26, "Schematic"](#) .

Wiring Diagram — CAN —

UKS00404

Refer to [LAN-27, "Wiring Diagram — CAN —"](#) .

CAN SYSTEM (TYPE 17)

[CAN]

UKS00405

Check Sheet

NOTE:

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

Check sheet table																
SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
		ECM	TCM	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 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)	-	

Symptoms :

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 above check sheet table.			
Confirmation/Adjustment Display	Check sheet table Display	Confirmation/Adjustment Display	Check sheet table Display
CAN COMM	Initial diagnosis	CAN CIRC 5	METER/M&A
CAN CIRC 1	Transmit diagnosis	CAN CIRC 6	-
CAN CIRC 2	BCM	CAN CIRC 7	IPDM E/R
CAN CIRC 3	ECM	CAN CIRC 8	-
CAN CIRC 4	HVAC	CAN CIRC 9	-

Attach copy of
display control unit
CAN DIAG SUPPORT MONITOR check sheet

PKIC2953E

A
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M

LAN

CAN SYSTEM (TYPE 17)

[CAN]

Attach copy of
ENGINE
SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
DIFF LOCK
SELF-DIAG RESULTS

Attach copy of
AUTO DRIVE POS.
SELF-DIAG RESULTS

Attach copy of
BCM
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
ALL MODE AWD/4WD
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

Attach copy of
IPDM E/R
SELF-DIAG RESULTS

PKIB6695E

CAN SYSTEM (TYPE 17)

[CAN]

A
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LAN
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M

Attach copy of
ENGINE
CAN DIAG SUPPORT
MNTR

Attach copy of
A/T
CAN DIAG SUPPORT
MNTR

Attach copy of
DIFF LOCK
CAN DIAG SUPPORT
MNTR

Attach copy of
AUTO DRIVE POS.
CAN DIAG SUPPORT
MNTR

Attach copy of
BCM
CAN DIAG SUPPORT
MNTR

Attach copy of
HVAC
CAN DIAG SUPPORT
MNTR

Attach copy of
ALL MODE AWD/4WD
CAN DIAG SUPPORT
MNTR

Attach copy of
ABS
CAN DIAG SUPPORT
MNTR

Attach copy of
IPDM E/R
CAN DIAG SUPPORT
MNTR

PKIB6696E

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

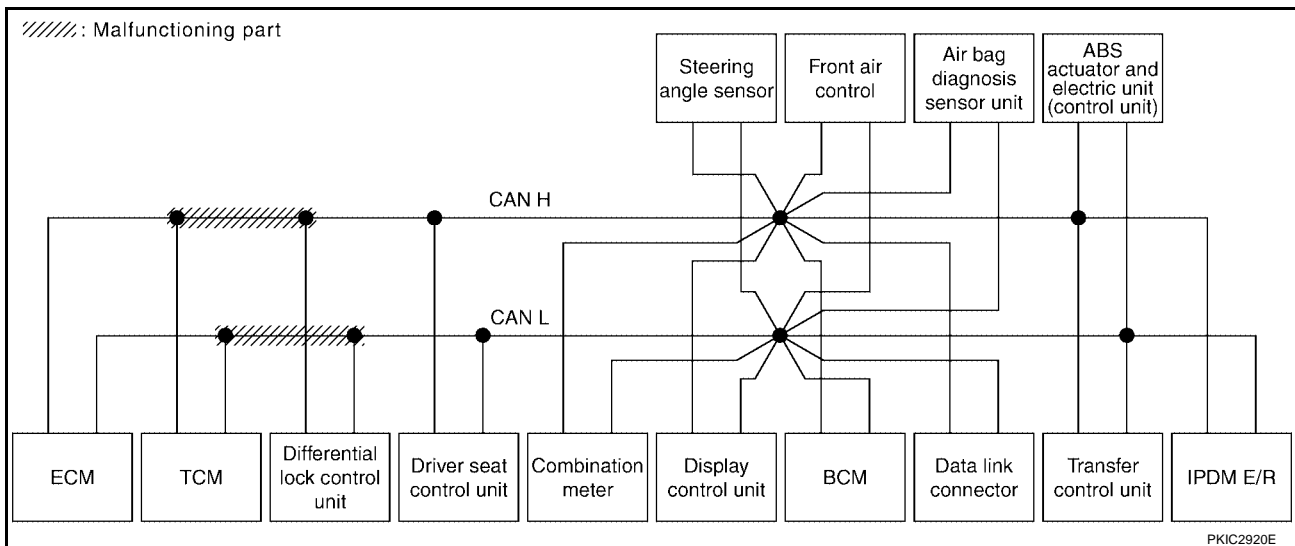
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										CAN COMM CIRCUIT (U1000)			CAN COMM CIRCUIT (U1001)	
				ECM	TCM	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	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)	-	

PKIC3443E

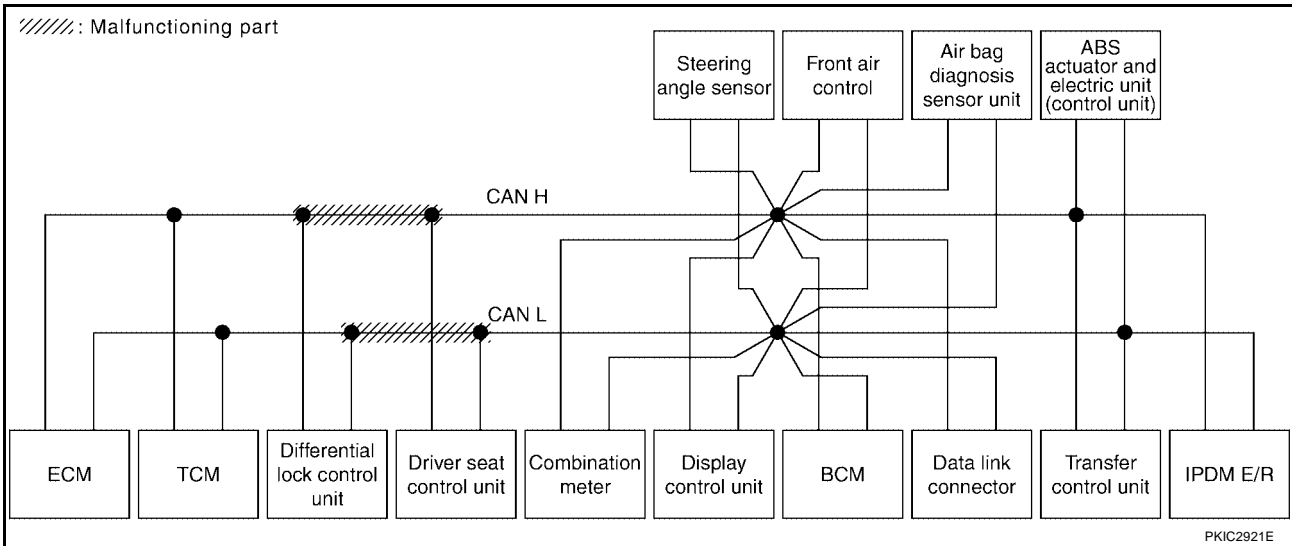


Case 2

Check harness between differential lock control unit and driver seat control unit. Refer to [LAN-353, "Inspection Between Differential Lock Control Unit and Driver Seat Control Unit Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										IPDM E/R		
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
ENGINE	-	-	UNKWN	-	UNKWN	-	✓	-	✓	-	-	✓	✓	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	-	NG	UNKWN	UNKWN	-	-	✓	-	-	-	-	✓	✓	-	CAN COMM CIRCUIT (U1000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	✓	✓	-	CAN COMM CIRCUIT (U1000)	-
AUTO DRIVE POS.	No indication	-	-	-	✓	-	UNKWN	-	UNKWN	-	-	-	-	-	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	-	UNKWN	✓	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	✓	✓	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U1000)	-
ABS	-	NG	UNKWN	✓	✓	✓	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	✓	-	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC344E



CAN SYSTEM (TYPE 17)

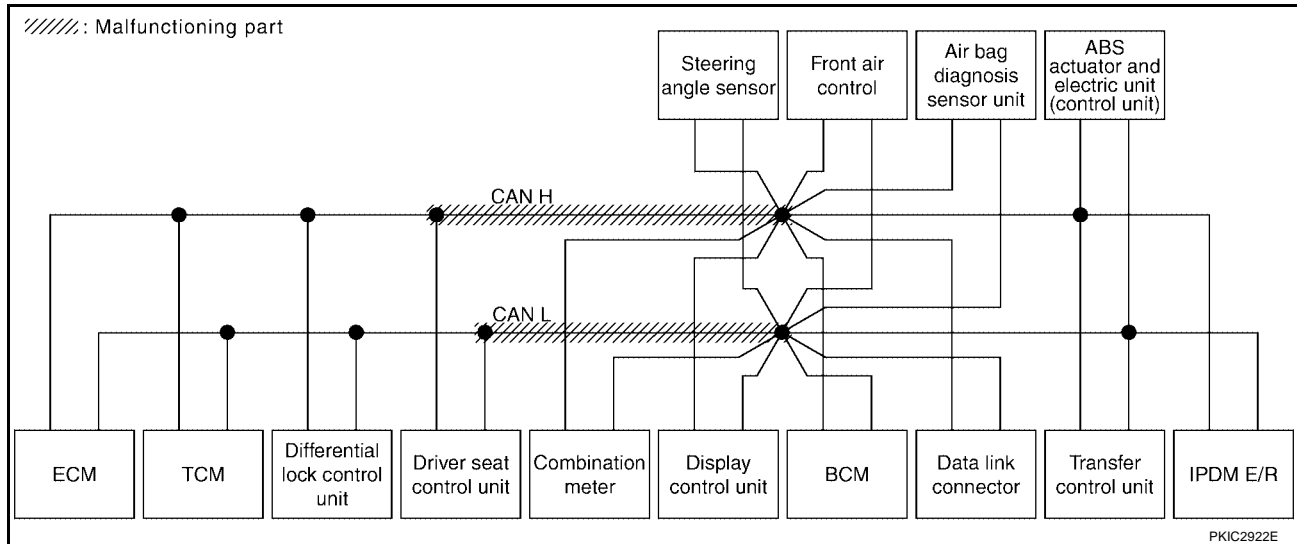
[CAN]

Case 3

Check harness between driver seat control unit and data link connector. Refer to [LAN-354, "Inspection Between Driver Seat Control Unit and Data Link Connector Circuit"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										IPDM E/R		
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
ENGINE	-	-	UNKWN	-	UNKWN	-	✓	-	✓	-	-	✓	✓	✓	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U001)
A/T	-	NG	UNKWN	UNKWN	-	-	✓	-	-	-	-	✓	✓	-	CAN COMM CIRCUIT (U000)	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	✓	✓	-	CAN COMM CIRCUIT (U000)	-
AUTO DRIVE POS.	No indication ✓	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U000)	-
Display control unit	-	NG	UNKWN	✓	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-
BCM	No indication	NG	UNKWN	✓	-	-	UNKWN	-	-	-	-	-	-	UNKWN	CAN COMM CIRCUIT (U1000)	-
HVAC	No indication	-	UNKWN	✓	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	✓	✓	-	UNKWN	-	-	-	-	-	UNKWN	-	CAN COMM CIRCUIT (U000)	-
ABS	-	NG	UNKWN	✓	✓	✓	-	-	-	UNKWN	-	UNKWN	-	-	CAN COMM CIRCUIT (U000)	-
IPDM E/R	No indication	-	UNKWN	✓	-	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U000)	-

PKIC3445E



PKIC2922E

CAN SYSTEM (TYPE 17)

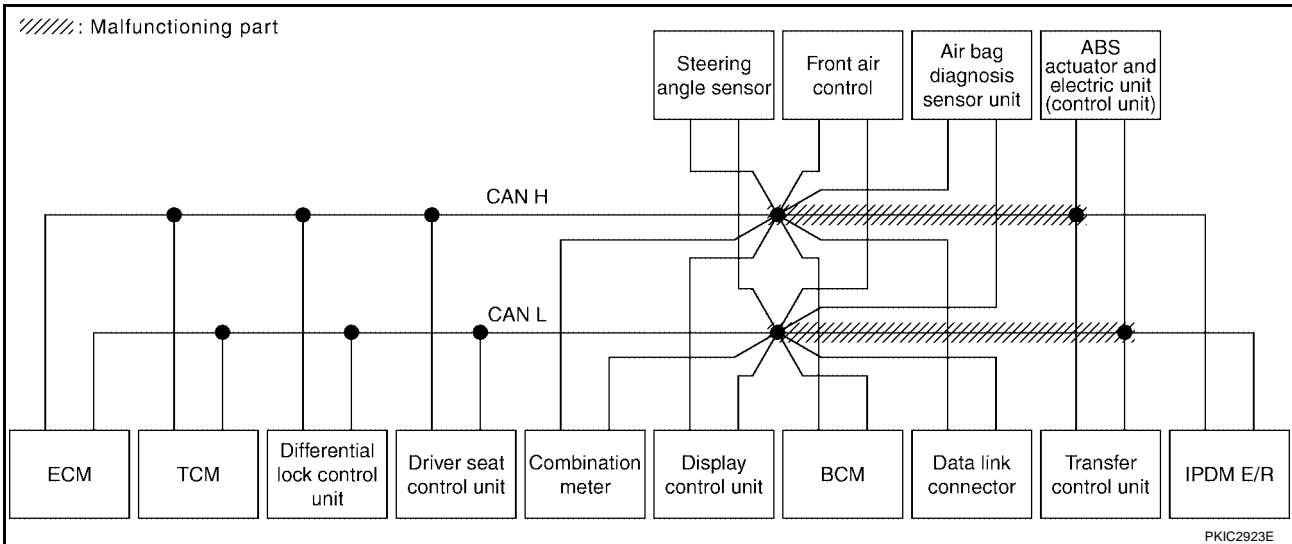
[CAN]

Case 4

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		CAN DIAG SUPPORT MNTR													SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										CAN COMM CIRCUIT (U1000)			CAN COMM CIRCUIT (U1001)	
				ECM	TCM	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	✓	✓	✓	✓
A/T	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	UNKWN	UNKWN	-	✓	✓	-	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	✓	✓	-	-
AUTO DRIVE POS.	No indication	-	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	-	-	-	-	-	-	-
Display control unit	-	NG	UNKWN	UNKWN	-	-	UNKWN	-	UNKWN	-	UNKWN	-	-	UNKWN	-	-	✓	-
BCM	No indication	NG	UNKWN	UNKWN	-	-	UNKWN	-	-	-	-	-	-	UNKWN	-	-	✓	-
HVAC	No indication	-	UNKWN	UNKWN	-	-	-	UNKWN	UNKWN	-	-	-	UNKWN	-	✓	-	-	-
ALL MODE AWD/4WD	-	NG	UNKWN	UNKWN	UNKWN	-	UNKWN	-	-	-	-	-	UNKWN	-	-	-	✓	-
ABS	-	NG	UNKWN	UNKWN	UNKWN	UNKWN	-	-	-	UNKWN	-	UNKWN	-	-	-	-	✓	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	-	-	-	✓	-

PKIC3446E



CAN SYSTEM (TYPE 17)

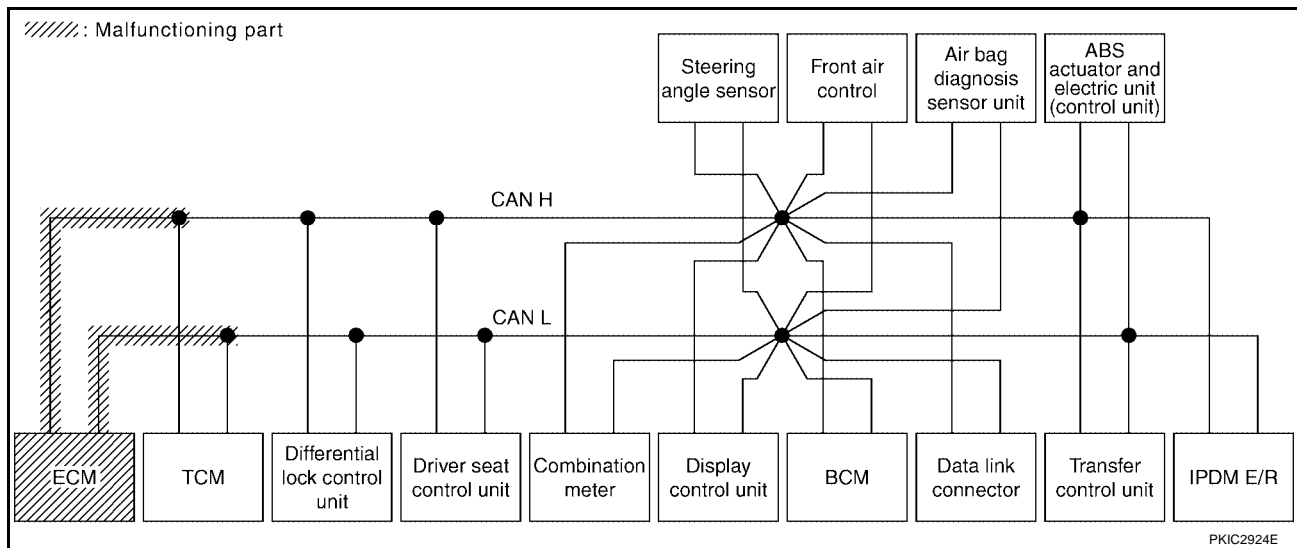
[CAN]

Case 5

Check ECM circuit. Refer to [LAN-356, "ECM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR												SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
				ECM	TCM	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 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)	-

PKIC3447E



CAN SYSTEM (TYPE 17)

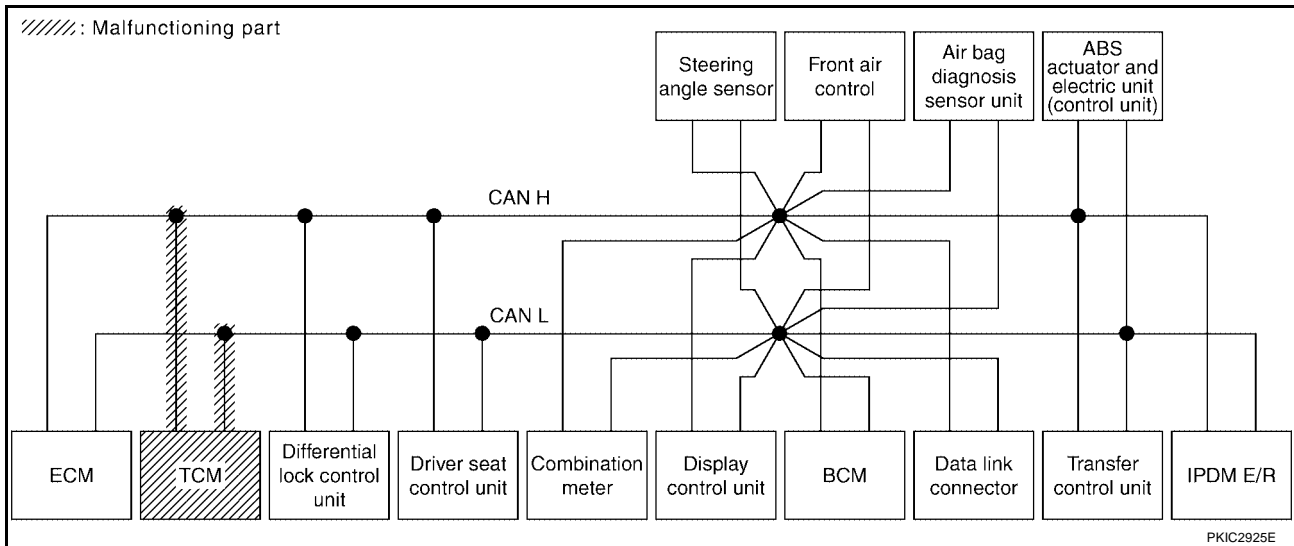
[CAN]

Case 6

Check TCM circuit. Refer to [LAN-356, "TCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR												SELF-DIAG RESULTS				
		Initial diagnosis	Transmit diagnosis	Receive diagnosis														
				ECM	TCM	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	CAN COMM CIRCUIT (U1000)	✓	CAN COMM CIRCUIT (U1001)	✓
A/T	-	NG	UNKWN	✓	-	-	✓	-	-	-	-	✓	✓	-	CAN COMM CIRCUIT (U1000)	✓	-	-
DIFF LOCK	-	NG	UNKWN	UNKWN	-	-	-	-	-	-	-	UNKWN	UNKWN	-	CAN COMM CIRCUIT (U1000)	✓	-	-
AUTO DRIVE POS.	No indication	-	-	-	✓	-	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	-	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)	✓	-	-

PKIC3448E



CAN SYSTEM (TYPE 17)

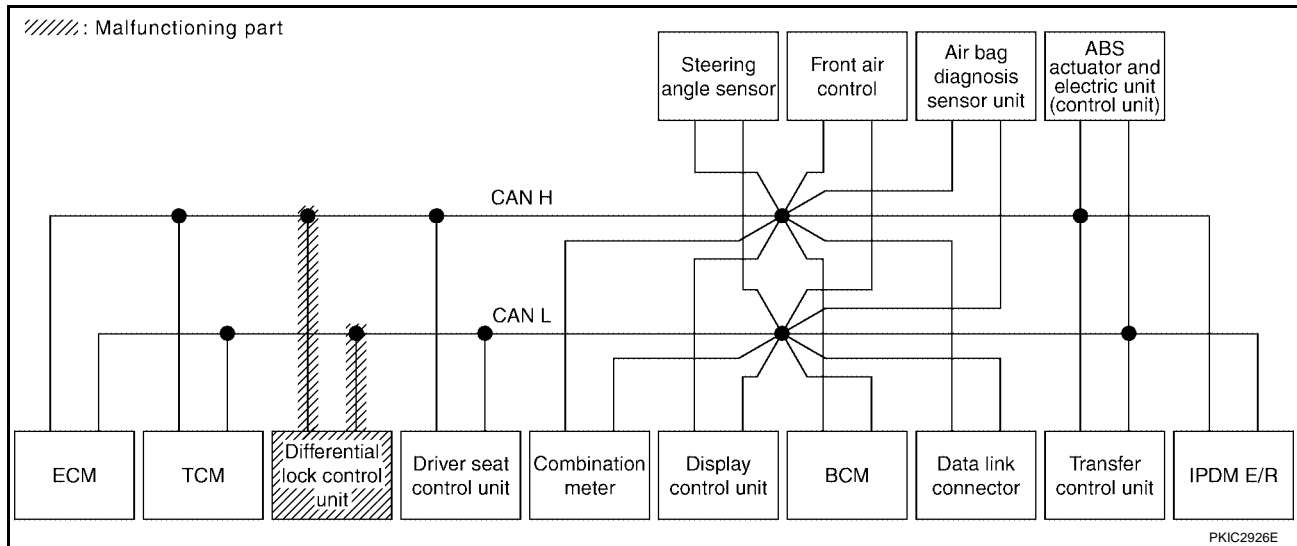
[CAN]

Case 7

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
				ECM	TCM	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 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)	-

PKIC3449E



CAN SYSTEM (TYPE 17)

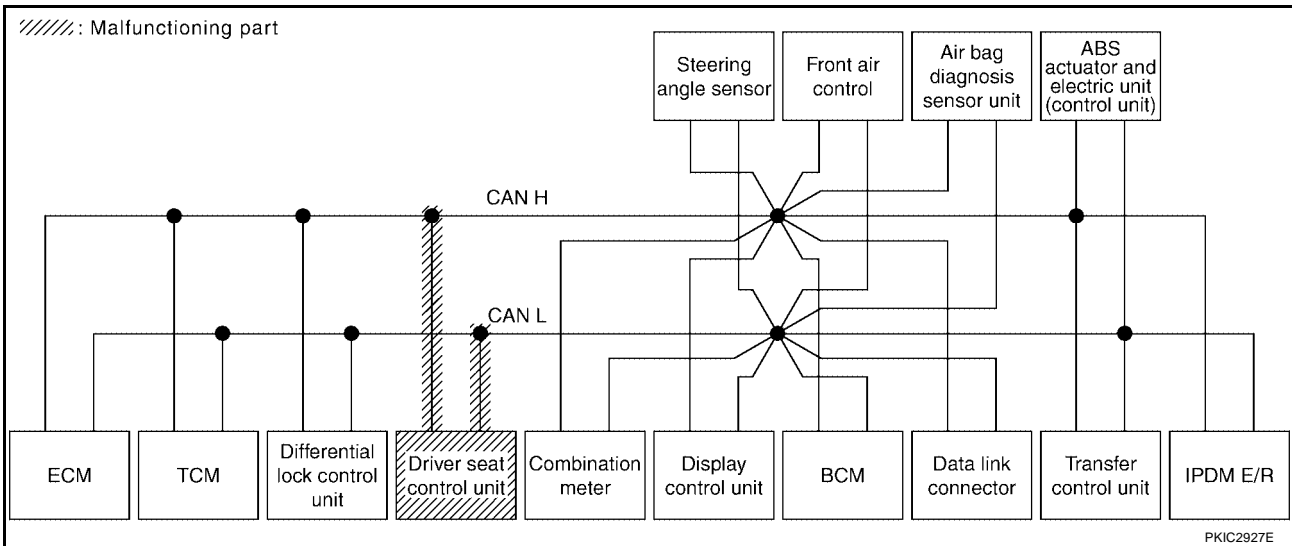
[CAN]

Case 8

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR												SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
				ECM	TCM	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 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)	-

PKIC3450E



CAN SYSTEM (TYPE 17)

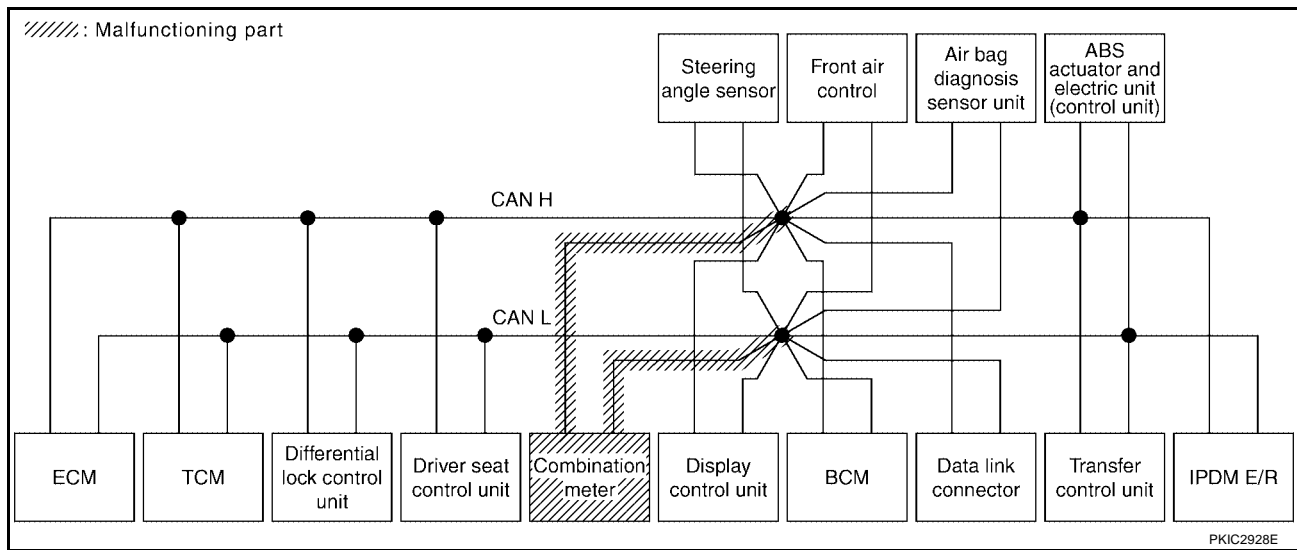
[CAN]

Case 9

Check combination meter circuit. Refer to [LAN-358, "Combination Meter Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										IPDM E/R			
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS				
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)	-

PKIC3451E



PKIC2928E

CAN SYSTEM (TYPE 17)

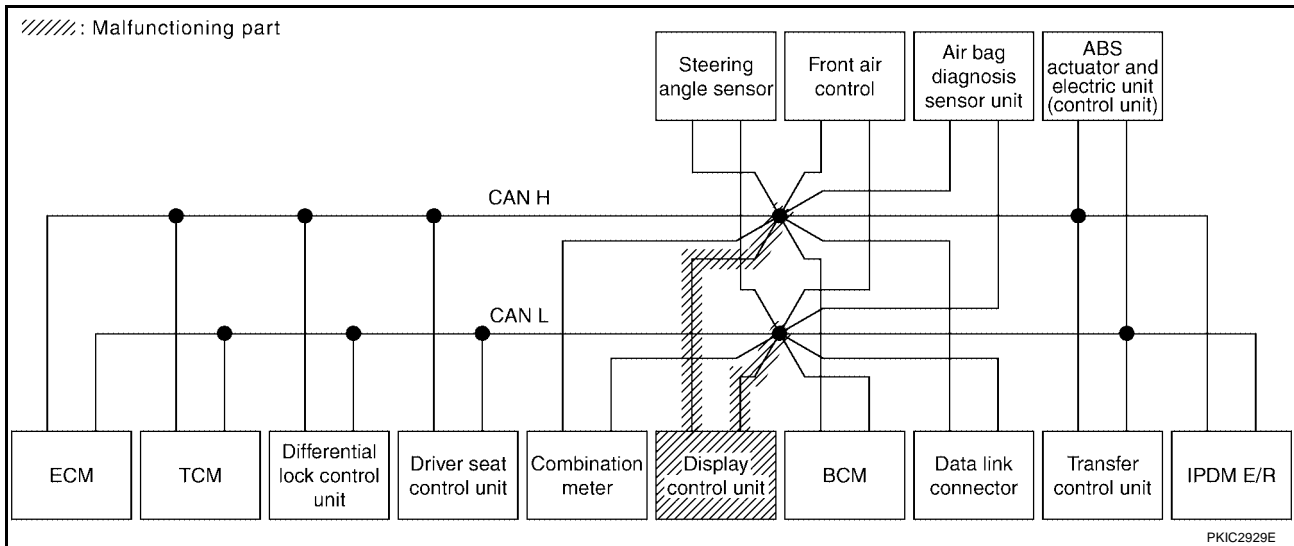
[CAN]

Case 10

Check display control unit circuit. Refer to [LAN-358, "Display Control Unit Circuit Inspection"](#).

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR												SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
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



CAN SYSTEM (TYPE 17)

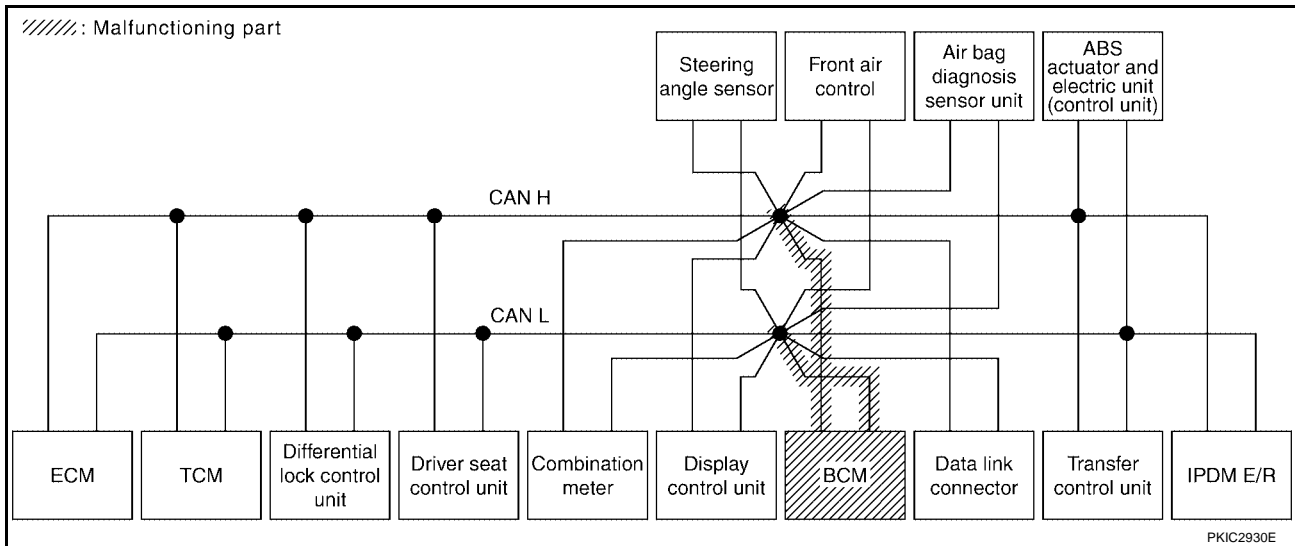
[CAN]

Case 11

Check BCM circuit. Refer to [LAN-359, "BCM Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										IPDM E/R			
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS				
ENGINE	-	-	UNKWN	-	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)	-	

PKIC3453E



CAN SYSTEM (TYPE 17)

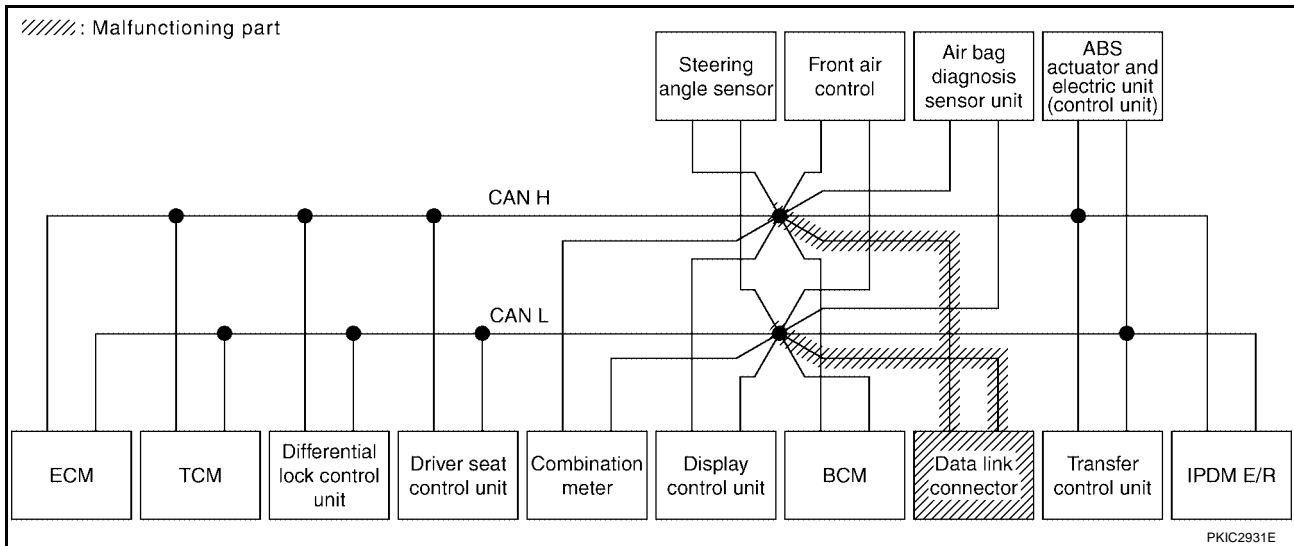
[CAN]

Case 12

Check data link connector circuit. Refer to [LAN-359, "Data Link Connector Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR												SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
				ECM	TCM	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 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)	-

PKIC3454E



CAN SYSTEM (TYPE 17)

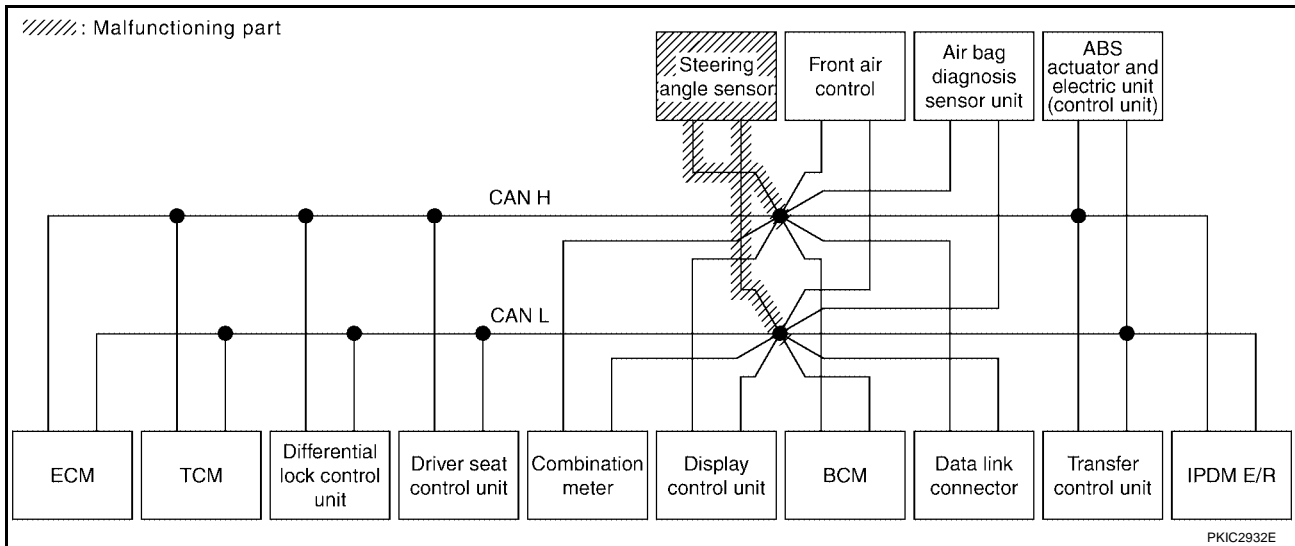
[CAN]

Case 13

Check steering angle sensor circuit. Refer to [LAN-360, "Steering Angle Sensor Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
				ECM	TCM	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 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)	-

PKIC3455E



PKIC2932E

CAN SYSTEM (TYPE 17)

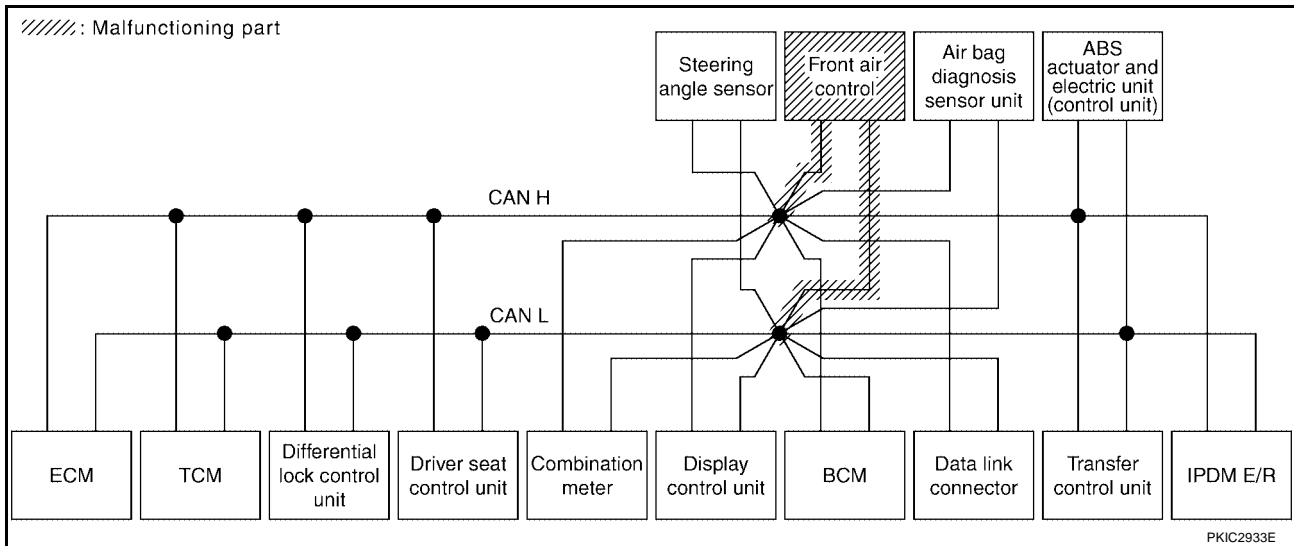
[CAN]

Case 14

Check front air control circuit. Refer to [LAN-360, "Front Air Control Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR												SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
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)	-

PKIC3456E



PKIC2933E

CAN SYSTEM (TYPE 17)

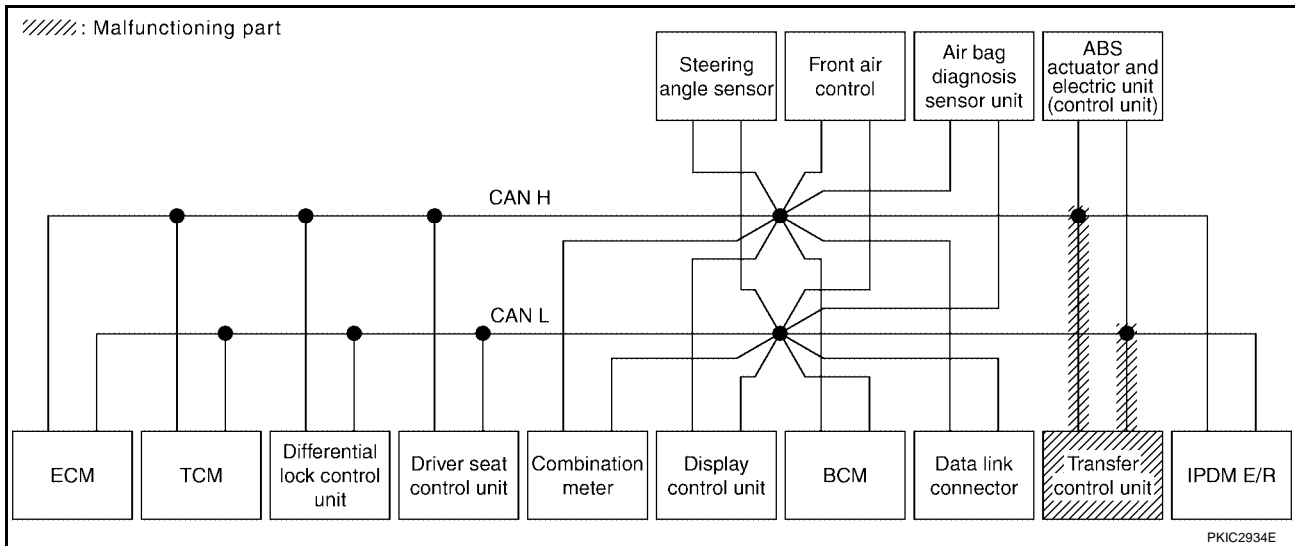
[CAN]

Case 15

Check transfer control unit circuit. Refer to [LAN-361, "Transfer Control Unit Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										IPDM E/R		
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
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)	-
DIFF LOCK	-	NG	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	✓	✓	✓	-	✓	-	-	-	-	-	✓	-	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)	-

PKIC3457E



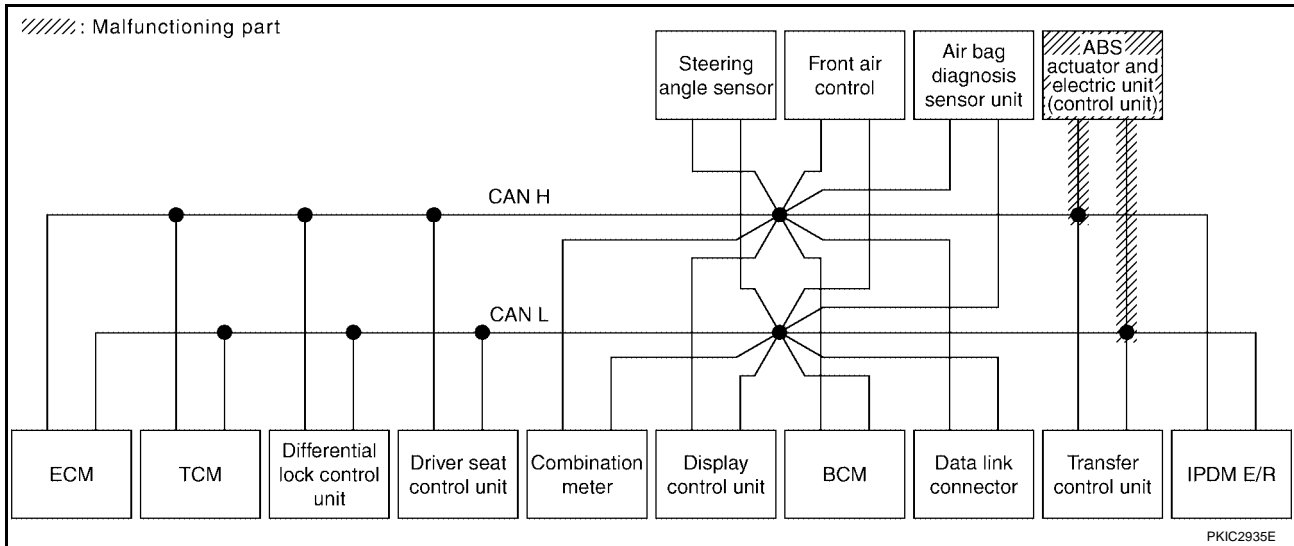
PKIC2934E

Case 16

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR												SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
				ECM	TCM	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 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	-	✓	✓	✓	✓	✓	-	-	-	✓	-	✓	-	-	CAN COMM CIRCUIT (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3458E



CAN SYSTEM (TYPE 17)

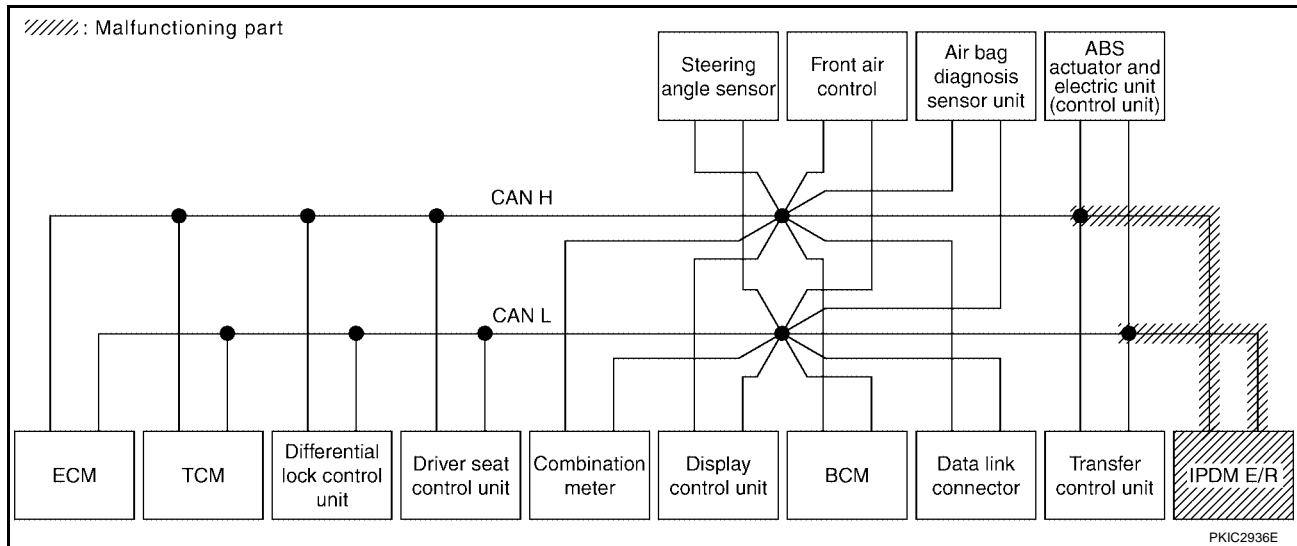
[CAN]

Case 17

Check IPDM E/R circuit. Refer to [LAN-362, "IPDM E/R Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													SELF-DIAG RESULTS			
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										IPDM E/R				
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS					
ENGINE	-	-	UNKWN	-	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)	-

PKIC3459E



PKIC2936E

CAN SYSTEM (TYPE 17)

[CAN]

Case 18

Check CAN communication circuit. Refer to [LAN-363, "CAN Communication Circuit Inspection"](#) .

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR												SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
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)	-

PKIC3460E

Case 19

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR												SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												IPDM E/R
				ECM	TCM	DIFF LOCK	METER /M&A	DISPLAY	BCM/SEC	STRG	HVAC	AWD/4WD	VDC/TCS /ABS			
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)	-

PKIC3461E

CAN SYSTEM (TYPE 17)

[CAN]

Case 20

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR													SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis												
				ECM	TCM	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 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)	-
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 (U1000)	-
IPDM E/R	No indication	-	UNKWN	UNKWN	-	-	-	-	UNKWN	-	-	-	-	-	CAN COMM CIRCUIT (U1000)	-

PKIC3462E

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.

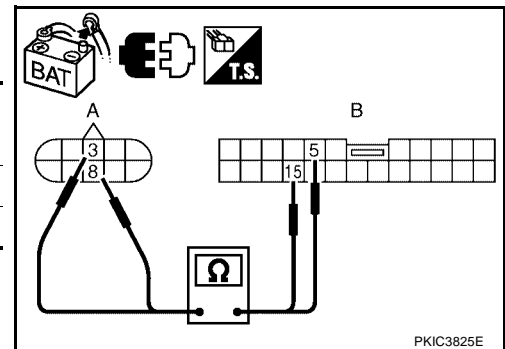
2. CHECK HARNESS FOR OPEN CIRCUIT

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	
F9	3	F14	5	Yes
	8		15	Yes

OK or NG

- OK >> GO TO 3.
 NG >> Repair harness.



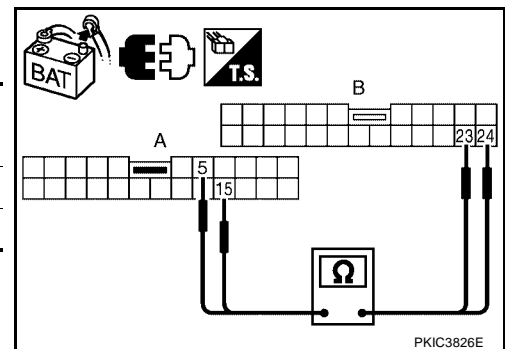
3. CHECK HARNESS FOR OPEN CIRCUIT

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

A		B		Continuity
Connector	Terminal	Connector	Terminal	
E5	5	E34	24	Yes
	15		23	Yes

OK or NG

- OK >> GO TO 4.
 NG >> Repair harness.



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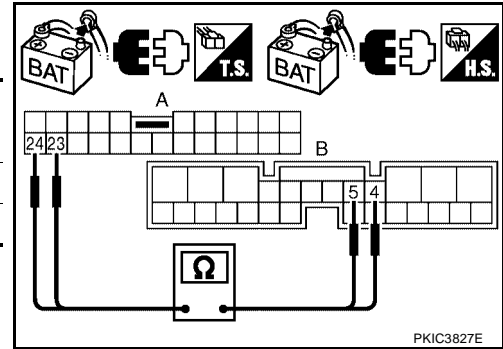
4. CHECK HARNESS FOR OPEN CIRCUIT

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

A		B		Continuity
Connector	Terminal	Connector	Terminal	
B40	24	B77	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

UKS004Q5

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.

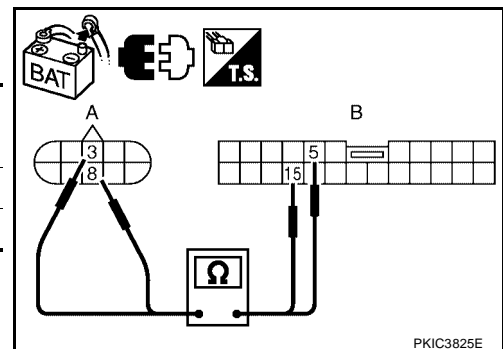
2. CHECK HARNESS FOR OPEN CIRCUIT

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	
F9	3	F14	5	Yes
	8		15	Yes

OK or NG

- OK >> GO TO 3.
- NG >> Repair harness.



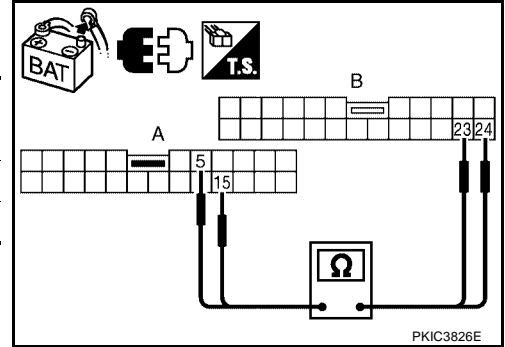
3. CHECK HARNESS FOR OPEN CIRCUIT

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

A		B		Continuity
Connector	Terminal	Connector	Terminal	
E5	5	E34	24	Yes
	15		23	Yes

OK or NG

- OK >> GO TO 4.
- NG >> Repair harness.



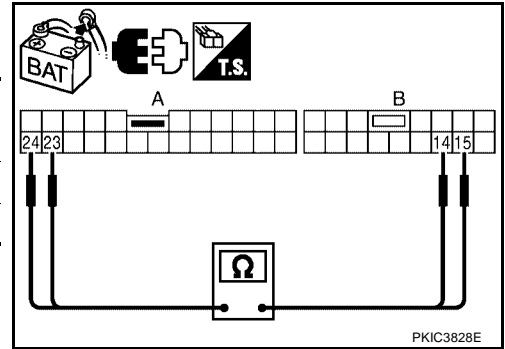
4. CHECK HARNESS FOR OPEN CIRCUIT

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

A		B		Continuity
Connector	Terminal	Connector	Terminal	
B40	24	B37	15	Yes
	23		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

UKS004Q6

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
 - Harness connector B69
 - Harness connector M40

OK or NG

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

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2. CHECK HARNESS FOR OPEN CIRCUIT

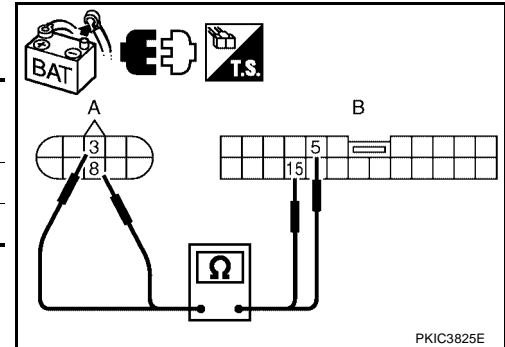
1. Disconnect A/T assembly connector and harness connector F14.
2. Check continuity between A/T assembly harness connector (A) and harness connector (B).

A		B		Continuity
Connector	Terminal	Connector	Terminal	
F9	3	F14	5	Yes
	8		15	Yes

OK or NG

OK >> GO TO 3.

NG >> Repair harness.



3. CHECK HARNESS FOR OPEN CIRCUIT

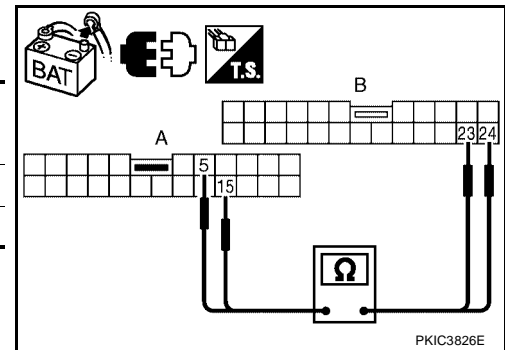
1. Disconnect harness connector E34.
2. Check continuity between harness connector (A) and harness connector (B).

A		B		Continuity
Connector	Terminal	Connector	Terminal	
E5	5	E34	24	Yes
	15		23	Yes

OK or NG

OK >> GO TO 4.

NG >> Repair harness.



4. CHECK HARNESS FOR OPEN CIRCUIT

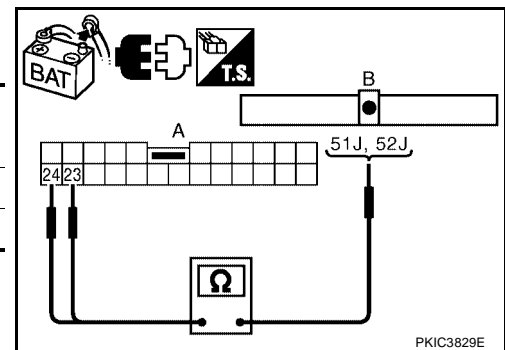
1. Disconnect harness connector B69.
2. Check continuity between harness connector (A) and harness connector (B).

A		B		Continuity
Connector	Terminal	Connector	Terminal	
B40	24	B69	51J	Yes
	23		52J	Yes

OK or NG

OK >> GO TO 5.

NG >> Repair harness.



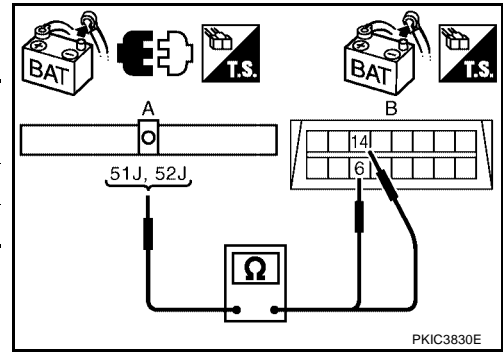
5. CHECK HARNESS FOR OPEN CIRCUIT

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

A		B		Continuity
Connector	Terminal	Connector	Terminal	
M40	51J	M22	6	Yes
	52J		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

UKS004Q7

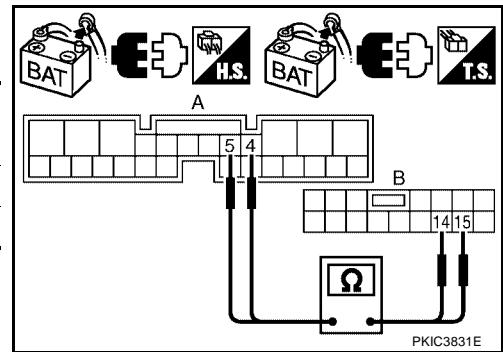
1. CHECK HARNESS FOR OPEN CIRCUIT

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).

A		B		Continuity
Connector	Terminal	Connector	Terminal	
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

UKS004Q8

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.

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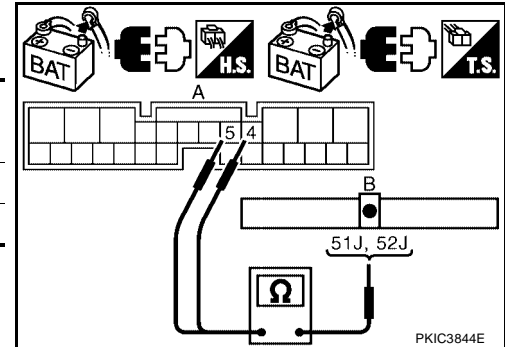
2. CHECK HARNESS FOR OPEN CIRCUIT

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

A		B		Continuity
Connector	Terminal	Connector	Terminal	
B77	5	B69	51J	Yes
	4		52J	Yes

OK or NG

- OK >> GO TO 3.
 NG >> Repair harness.



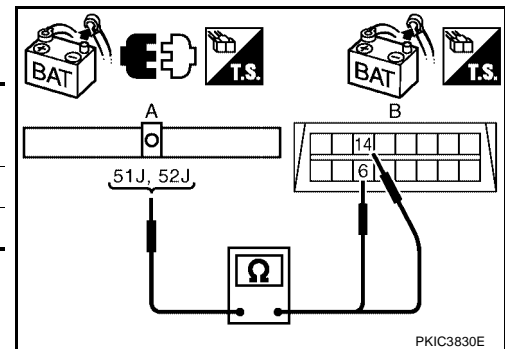
3. CHECK HARNESS FOR OPEN CIRCUIT

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

A		B		Continuity
Connector	Terminal	Connector	Terminal	
M40	51J	M22	6	Yes
	52J		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 Driver Seat Control Unit and Data Link Connector Circuit

UKS004Q9

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.

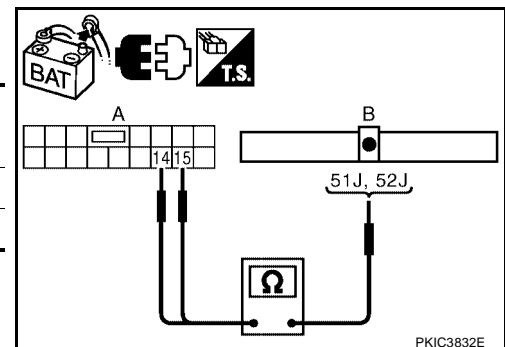
2. CHECK HARNESS FOR OPEN CIRCUIT

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

A		B		Continuity
Connector	Terminal	Connector	Terminal	
B37	15	B69	51J	Yes
	14		52J	Yes

OK or NG

- OK >> GO TO 3.
 NG >> Repair harness.



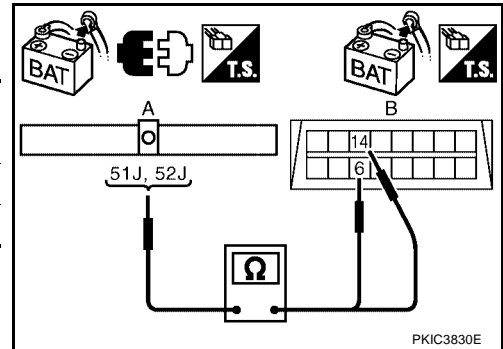
3. CHECK HARNESS FOR OPEN CIRCUIT

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

A		B		Continuity
Connector	Terminal	Connector	Terminal	
M40	51J	M22	6	Yes
	52J		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 Data Link Connector and ABS Actuator and Electric Unit (Control Unit) Circuit

UKS004QA

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.

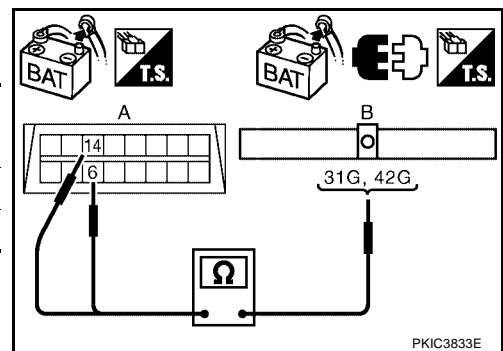
2. CHECK HARNESS FOR OPEN CIRCUIT

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

A		B		Continuity
Connector	Terminal	Connector	Terminal	
M22	6	M31	31G	Yes
	14		42G	Yes

OK or NG

- OK >> GO TO 3.
- NG >> Repair harness.



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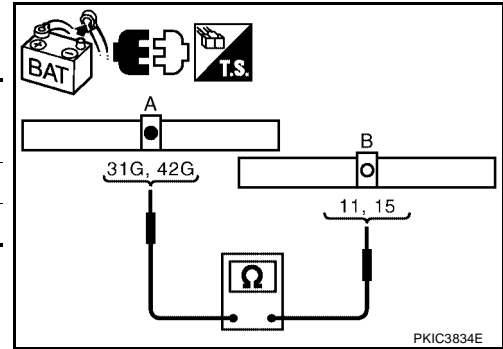
3. CHECK HARNESS FOR OPEN CIRCUIT

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		B		Continuity
Connector	Terminal	Connector	Terminal	
E152	31G	E125	11	Yes
	42G		15	Yes

OK or NG

- OK >> Connect all the connectors and diagnose again. Refer to [LAN-5, "TROUBLE DIAGNOSES WORK FLOW"](#).
- NG >> Repair harness.



PKIC3834E

ECM Circuit Inspection

UKS004QB

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.

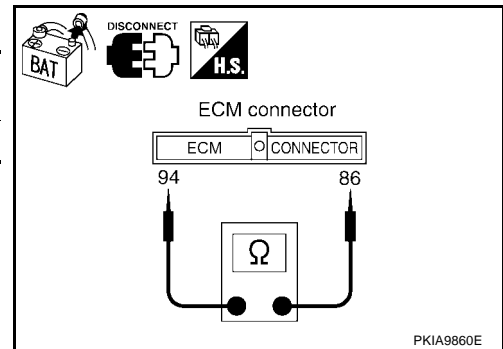
2. CHECK HARNESS FOR OPEN CIRCUIT

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

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

OK or NG

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



PKIA9860E

TCM Circuit Inspection

UKS004QC

1. CHECK CONNECTOR

1. Turn ignition switch OFF.
2. Disconnect the battery cable from the negative terminal.
3. 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.

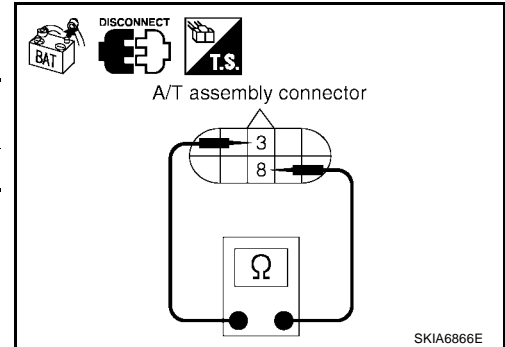
2. CHECK HARNESS FOR OPEN CIRCUIT

1. Disconnect A/T assembly connector.
2. Check resistance between A/T assembly harness connector terminals.

A/T assembly connector	Terminal		Resistance (Approx.)
F9	3	8	54 – 66 Ω

OK or NG

- OK >> Replace control valve with TCM.
- NG >> Repair harness between A/T assembly and harness connector F14.



Differential Lock Control Unit 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 differential lock 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.

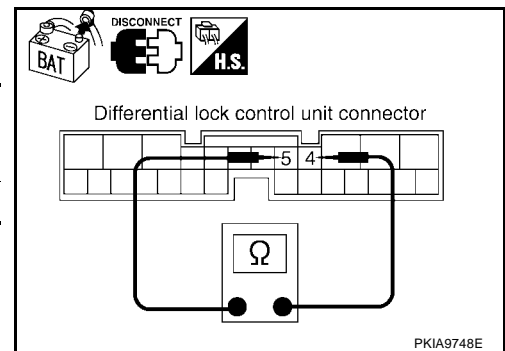
2. CHECK HARNESS FOR OPEN CIRCUIT

1. Disconnect differential lock control unit connector.
2. Check resistance between differential lock control unit harness connector terminals.

Differential lock control unit connector	Terminal		Resistance (Approx.)
B77	5	4	54 – 66 Ω

OK or NG

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



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).

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

OK or NG

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

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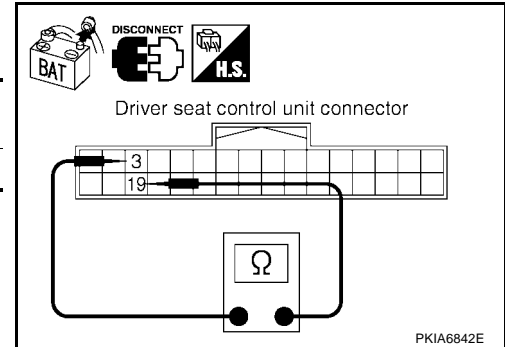
2. CHECK HARNESS FOR OPEN CIRCUIT

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 Ω

OK or NG

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



UKS004QF

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.

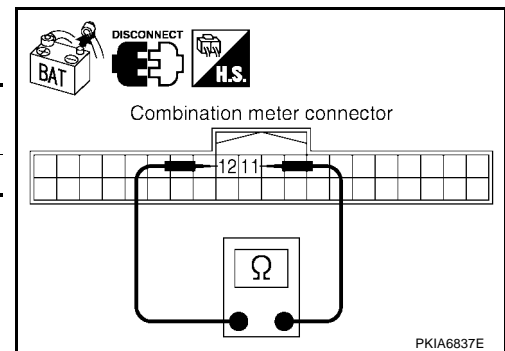
2. CHECK HARNESS FOR OPEN CIRCUIT

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.



UKS004QG

Display Control Unit 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 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.

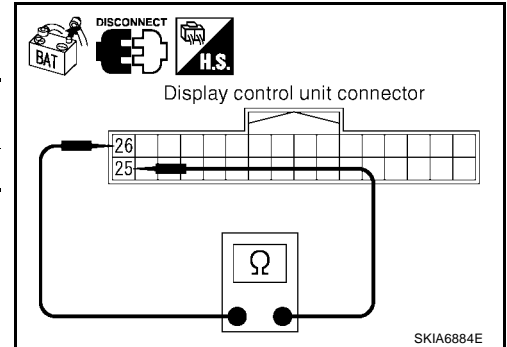
2. CHECK HARNESS FOR OPEN CIRCUIT

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

Display control unit connector	Terminal		Resistance (Approx.)
	25	26	
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.



UKS004QI

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.

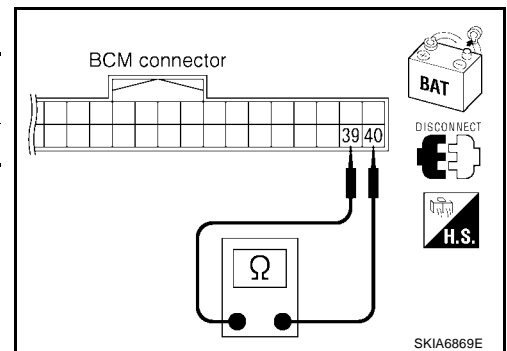
2. CHECK HARNESS FOR OPEN CIRCUIT

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

BCM connector	Terminal		Resistance (Approx.)
	39	40	
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.



UKS004QJ

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.

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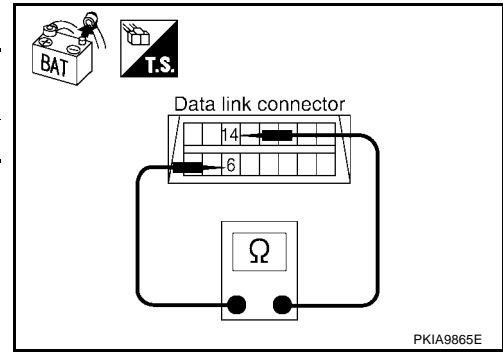
2. CHECK HARNESS FOR OPEN CIRCUIT

Check resistance between data link connector terminals.

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

OK or NG

- OK >> Diagnose again. Refer to [LAN-5, "TROUBLE DIAGNOSES WORK FLOW"](#).
- NG >> Repair harness between data link connector and combination meter.



PKIA9865E

UKS004QH

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.

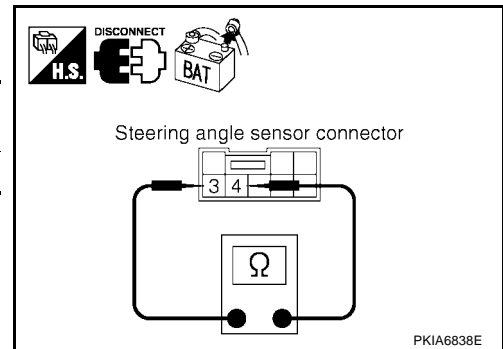
2. CHECK HARNESS FOR OPEN CIRCUIT

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

Steering angle sensor connector	Terminal		Resistance (Approx.)
	3	4	
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.



PKIA6838E

UKS004QK

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

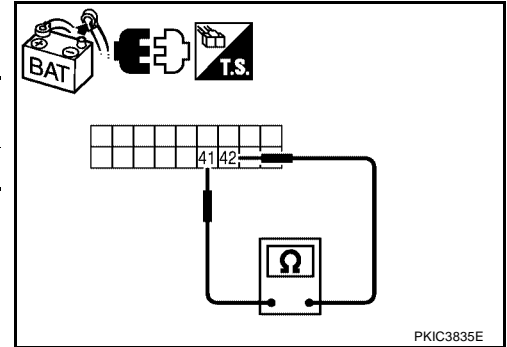
- OK >> GO TO 2.
- NG >> Repair terminal or connector.

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.

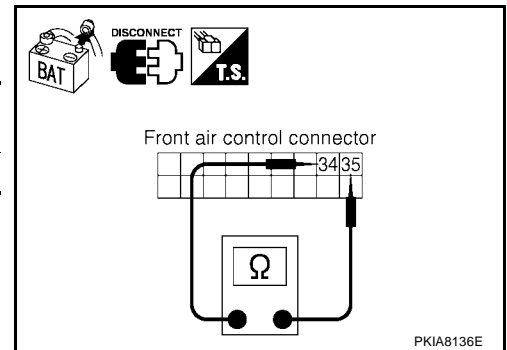
Front air control connector	Terminal		Resistance (Approx.)
	41	42	
M50	41	42	54 – 66 Ω



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.)
	34	35	
M50	34	35	54 – 66 Ω



OK or NG

- OK >> Replace front air control.
- NG >> Repair harness between front air control and data link connector.

Transfer Control Unit 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 transfer control unit for damage, bend and loose connection (control unit side and harness side).

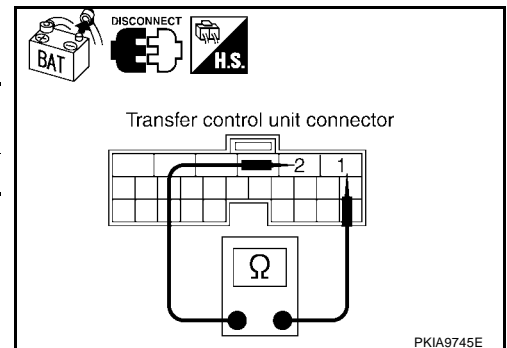
OK or NG

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

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.)
	1	2	
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.

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ABS Actuator and Electric Unit (Control Unit) 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 ABS actuator and electric unit (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.

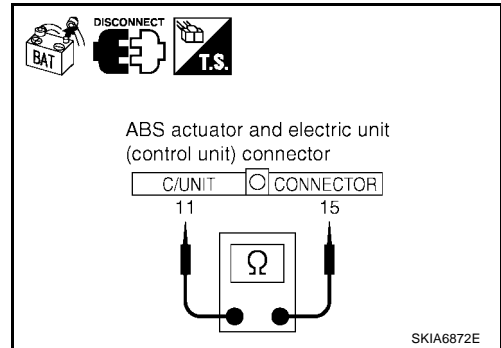
2. CHECK HARNESS FOR OPEN CIRCUIT

1. Disconnect ABS actuator and electric unit (control unit) connector.
2. Check resistance between ABS actuator and electric unit (control unit) harness connector terminals.

ABS actuator and electric unit (control unit) connector	Terminal		Resistance (Approx.)
	11	15	
E125	11	15	54 – 66 Ω

OK or NG

- OK >> Replace ABS actuator and electric unit (control unit).
- NG >> 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.

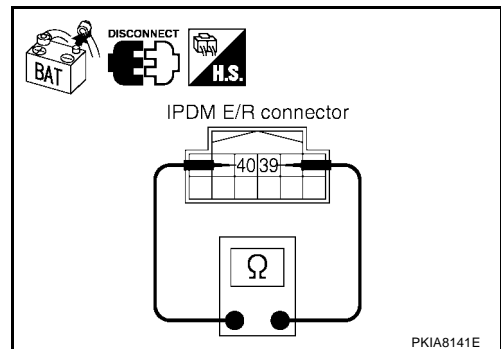
2. CHECK HARNESS FOR OPEN CIRCUIT

1. Disconnect IPDM E/R connector.
2. Check resistance between IPDM E/R harness connector terminals.

IPDM E/R connector	Terminal		Resistance (Approx.)
	39	40	
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.



CAN Communication Circuit Inspection

1. CHECK CONNECTOR

1. Turn ignition switch OFF.
2. Disconnect the battery cable from the negative terminal.
3. Disconnect the harness connector for each unit on the CAN network and check terminals for deformation, disconnection, looseness or damage.

OK or NG

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

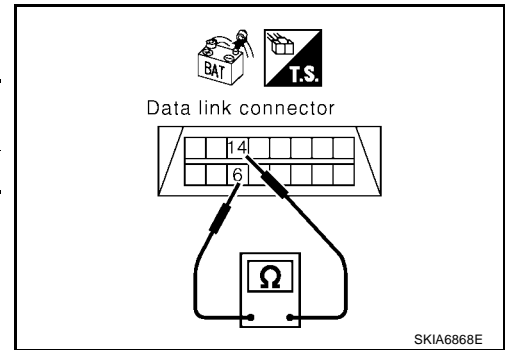
2. CHECK HARNESS FOR SHORT CIRCUIT

With all module and control unit connectors disconnected, check continuity between data link connector terminals.

Data link connector	Terminal		Continuity
M22	6	14	No

OK or NG

- OK >> GO TO 3.
- NG >> ● Repair harness.
 - Change harness if shielded lines are used for the harness.



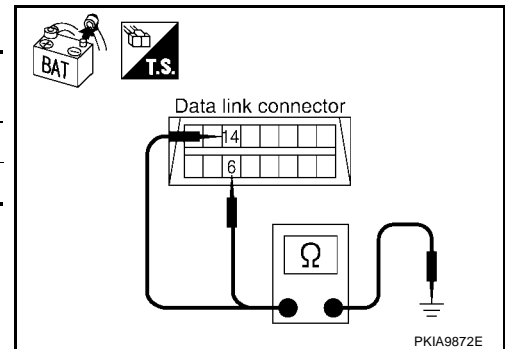
3. CHECK HARNESS FOR SHORT CIRCUIT

Check continuity between data link connector terminals and ground.

Data link connector	Terminal		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.

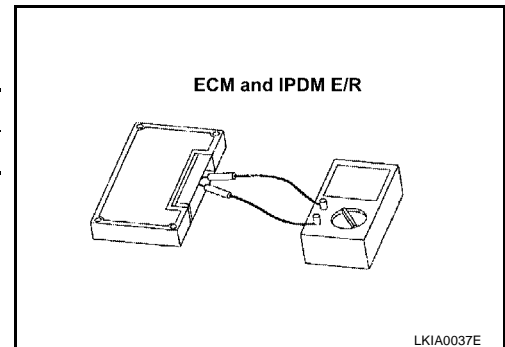
Terminal		Resistance (Approx.)
94	86	108 – 132 Ω

3. Check resistance between IPDM E/R terminals.

Terminal		Resistance (Approx.)
39	40	108 – 132 Ω

OK or NG

- OK >> GO TO 5.
- NG >> Replace ECM and/or IPDM E/R.



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5. CHECK SYMPTOM

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

UKS004R8

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 [PG-13, "IGNITION POWER SUPPLY — IGNITION SW. IN ON AND/OR START"](#) .