

SECTION LAN

LAN SYSTEM

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PRECAUTIONS**Precautions for Supplemental Restraint System (SRS) “AIR BAG” and “SEAT BELT PRE-TENSIONER”**

UKS002EC

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

UKS002EE

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 CAN System

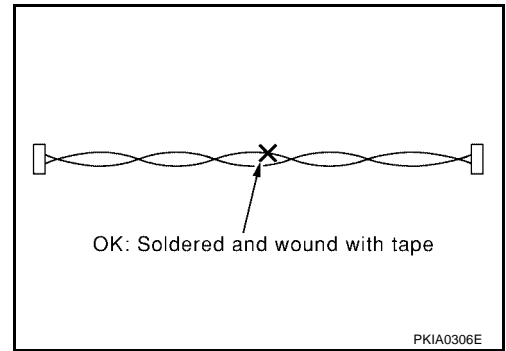
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- Do not apply voltage of 7.0 V or higher to terminal to be measured.
- Maximum open terminal voltage of tester in use must be less than 7.0 V.
- Before checking harnesses, turn ignition switch OFF and disconnect the battery cable from the negative terminal.

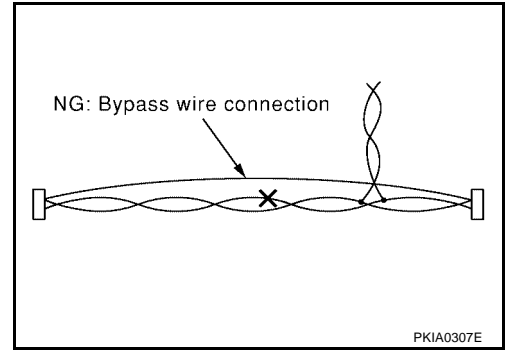
PRECAUTIONS

[CAN]

- Area to be repaired must be soldered and wrapped with tape. Make sure that fraying of twisted wire is within 110 mm (4.33 in).



- Do not make a bypass connection to repaired area. (If the circuit is bypassed, characteristics of twisted wire will be lost.)



TROUBLE DIAGNOSES WORK FLOW

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When Displaying CAN Communication System Errors

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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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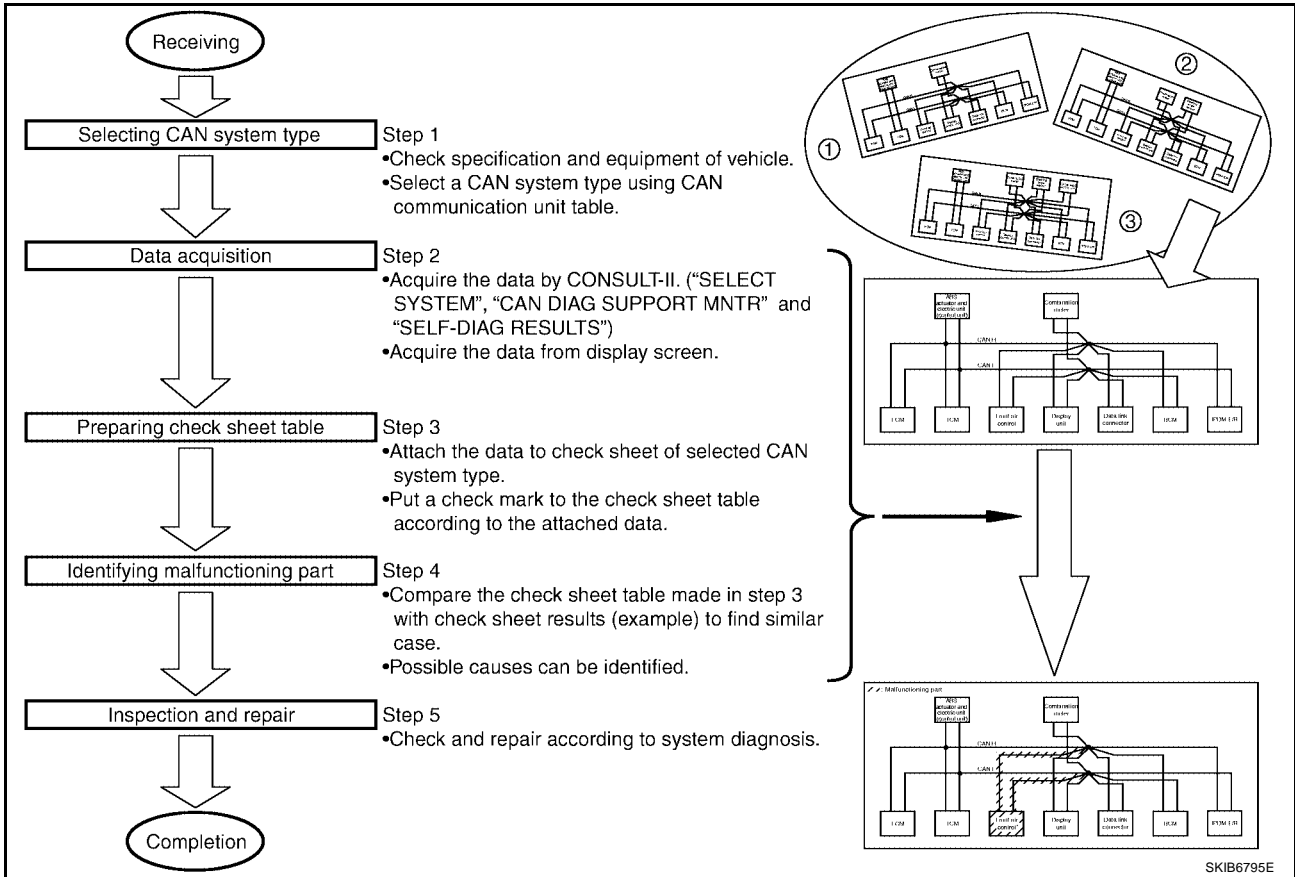
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TROUBLE DIAGNOSIS FLOW CHART

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-116, "TROUBLE DIAGNOSIS FOR SYSTEM"](#) .

TROUBLE DIAGNOSES WORK FLOW

[CAN]

UKS004L4

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) 2WD/VQ35DE/4 AT/TCS/With monochrome display/Without color display/Without automatic drive positioner

CAN Communication Unit

Refer to the following table to determine CAN system type.

Axle	2WD				
Engine	VQ35DE				
Transmission	4 A/T	5 A/T			
Brake control	TCS	TCS		VDC	
Monochrome display	X	X			
Color display			X	X	X
Automatic drive positioner					X
CAN system type	1	2	3	4	5
CAN system trouble diagnosis	XXXX	XXXX	XXXX	XXXX	XXXX

Check basic specification of the vehicle.

→ Select "x" if it is model with monochrome display.

→ Select "x" if it is model with color display.

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

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 1.

*: 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. Transfer the data from the display screen of the vehicle to the CAN diagnosis monitor check sheet.

- With monochrome display: Refer to [AV-159, "CAN Communication Line Check \(With Monochrome Display Unit\)"](#).
- With color display: Refer to [AV-160, "CAN Communication Line Check \(With Color Display Unit\)"](#).
- With navigation system: Refer to [AV-219, "CAN Communication Line Check"](#).

Copy "SELECT SYSTEM" screen of CONSULT-II.

SELECT SYSTEM

ENGINE

A/T

ABS

AIR BAG

IPDM E/R

BCM

BACK LIGHT COPY

Check sheet table

SELECT SYSTEM	Initial diagnosis	General diagnosis	CAN DIAG SUPPORT MNTR						SELF-DIAG RESULTS				
			ICM	TCM	VECT/CS/ABS	Front air control	DISPLAY	REAR AIR C	METER/M&A	IPDM E/R	CAN COMM	CAN LIN	
ENGINE	--	UNKWN	--	UNKWN	UNKWN	--	--	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM	CAN LIN
A/T	--	UNKWN	--	UNKWN	UNKWN	--	--	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM	CAN LIN
ABS	--	UNKWN	--	UNKWN	UNKWN	--	--	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM	CAN LIN
AIR BAG	No indicator	--	UNKWN	UNKWN	--	--	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM	CAN LIN
IPDM E/R	--	UNKWN	--	UNKWN	UNKWN	--	--	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM	CAN LIN
ICM	No indicator	--	UNKWN	UNKWN	--	--	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM	CAN LIN
TCM	No indicator	--	UNKWN	UNKWN	--	--	UNKWN	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM	CAN LIN

Symptoms:

Attach copy of SELECT SYSTEM

Attach copy of SELECT SYSTEM

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

Diagnosis item	Screen display		Diagnosis item	Screen display	
CANCOMM	OK	NG	CAN5	OK	UNKWN
CAN1	OK	UNKWN	CAN6	OK	UNKWN
CAN2	OK	UNKWN	CAN7	OK	UNKWN
CAN3	OK	UNKWN	CAN8	OK	UNKWN
CAN4	OK	UNKWN	CAN9	OK	UNKWN

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

Confirmation/Adjustment Display	Check sheet table Display	Confirmation/Adjustment Display	Check sheet table Display
CANCOMM	Initial diagnosis	CAN5	METER/M&A
CAN1	Transmit diagnosis	CAN6	--
CAN2	BCM/SEC	CAN7	IPDM E/R
CAN3	LCM	CAN8	--
CAN4	Front air control	CAN9	--

Attach copy of display unit CAN DIAG MONTR CRT 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.

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SELF-DIAG RESULTS

DTC RESULTS TIME

NO DTC IS DETECTED. FURTHER TESTING MAY BE REQUIRED.

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Attach copy of SELF-DIAG RESULTS

Attach copy of SELF-DIAG RESULTS

Attach copy of SELF-DIAG RESULTS

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

CAN DIAG SUPPORT MNTR

ENGINE		PRSENT		PAST	
TRANSMIT DIAG	OK	OK			
VDC/TCS/ABS	OK	OK			
METER/M&A	OK	OK			
BCM/SEC	OK	OK			
ICC	--	--			
HVAC	--	--			
EPS	--	--			
TCM	OK	OK			
IPDM E/R	OK	OK			
AWD/4WD	--	--			

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CAN DIAG SUPPORT MNTR

ENGINE		PRSENT		PAST	
METER/M&A	OK	OK			
BCM/SEC	OK	OK			
ICC	--	--			
HVAC	--	--			
TCM	OK	OK			
IPDM E/R	OK	OK			
AWD/4WD	--	--			

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CAN DIAG SUPPORT MNTR

ENGINE

INITIAL DIAG OK

TRANSMIT DIAG OK

ICM OK

VECT/CS/ABS OK

METER/M&A OK

IPDM E/R UNKWN

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Attach copy of ENGINE CAN DIAG SUPPORT MNTR

Attach copy of ABS CAN DIAG SUPPORT MNTR

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TROUBLE DIAGNOSES WORK FLOW

[CAN]

HOW TO USE CHECK SHEET TABLE

SELECT SYSTEM screen	CAN DIAG SUPPORT MNT'R											SELF-DIAG RESULTS	
	Initial diagnosis	Transmit diagnosis	Receive diagnosis										
			ECM	TCM	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	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)	—
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—
HVAC	No indication	—	UNKWN	UNKWN	—	UNKWN	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
Display unit	—	NG	UNKWN	UNKWN	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	—	—
BCM	No indication	NG	UNKWN	UNKWN	—	—	—	—	—	UNKWN	UNKWN	CAN COMM CIRCUIT (J1000)	—
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—

Use when the initial conditions are reproduced (Columns 3-12)
Use when the initial conditions are not reproduced (Columns 13-14)

① Unit names displayed on CONSULT-II
② "No indication"
③ "NG"
④ "UNKWN" (Transmit)
⑤ "UNKWN" (Receive)

Unit that performs CAN communication diagnosis

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- Unit names displayed on CONSULT-II
- "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)
- "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.)
- "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 (It is not necessary for CAN communication trouble diagnosis.)
- "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.)

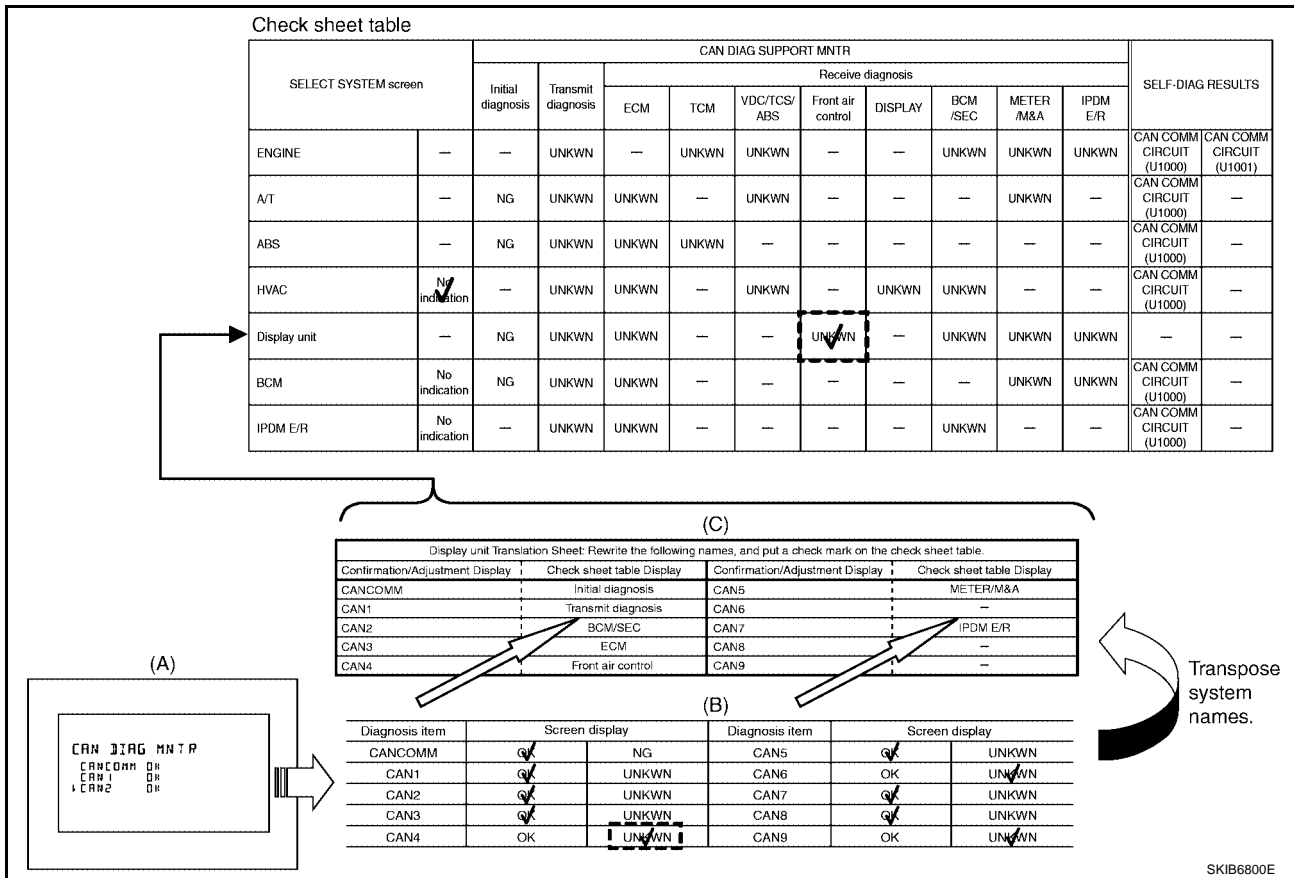
NOTE:

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]



4. Display unit reads the CAN diagnosis monitor check sheet (B) [AV-159, "CAN Communication Line Check \(With Monochrome Display Unit\)"](#) transferred from the display screen (A). The transferred CAN diagnosis monitor check sheet is copied to the Check sheet, and conversed according to the Display unit Translation Sheet (C). And then put a check mark to the check sheet table.

NOTE:

In the CAN diagnosis monitor check sheet (B), check marks are put to "CAN4", "CAN6" and "CAN9". But, in the column of the check sheet table indication in Display unit Translation Sheet (C), "Front air control" is listed only for "CAN4". Therefore, put a check mark to "Front air control" because "UNKWN" is listed on the column of reception diagnosis of the check sheet table.

TROUBLE DIAGNOSES WORK FLOW

[CAN]

Check sheet table

SELECT SYSTEM screen	CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS	
	Initial diagnosis	Transmit diagnosis	Receive diagnosis										
			ECM	TCM	VDC/TCS/ABS	Front air control	DISPLAY	BCM/SEC	METER/M&A	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)	—
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—
HVAC	<input checked="" type="checkbox"/>	—	UNKWN	UNKWN	—	UNKWN	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
Display unit	—	NG	UNKWN	UNKWN	—	—	<input checked="" type="checkbox"/>	—	UNKWN	UNKWN	UNKWN	—	—
BCM	No indication	NG	UNKWN	UNKWN	—	—	—	—	—	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	—
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—

CAN DIAG SUPPORT MNTR

BCM

INITIAL DIAG	OK
TRANSMIT DIAG	OK
ECM	OK
IPDM E/R	OK
METER/M&A	OK
I-KEY	OK

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CAN DIAG SUPPORT MNTR

IPDM E/R

TRANSMIT DIAG	OK	OK
ECM	OK	OK
BCM/SEC	OK	OK

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

NOTE:

- For “BCM”, “UNKWN” is not displayed. Do not put a check to it.
- For “IPDM E/R”, “UNKWN” is not displayed. Do not put a check to it.

TROUBLE DIAGNOSES WORK FLOW

[CAN]

The arranged results of CAN diagnosis support monitor

Check sheet table

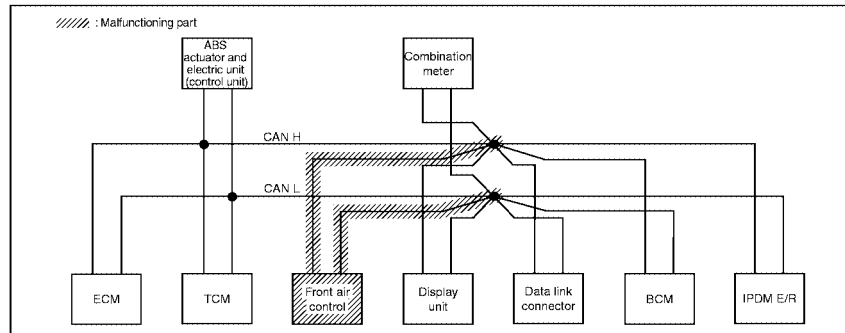
SELECT SYSTEM screen	CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS	
	Initial diagnosis	Transmit diagnosis	Receive diagnosis										
			ECM	TCM	VDC/TC/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R			
ENGINE	--	--	UNKWN	--	UNKWN	UNKWN	--	--	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
AT	--	NG	UNKWN	UNKWN	--	UNKWN	--	--	--	UNKWN	--	CAN COMM CIRCUIT (U1000)	--
ABS	--	NG	UNKWN	UNKWN	UNKWN	--	--	--	--	--	--	CAN COMM CIRCUIT (U1000)	--
HVAC	No indication	--	UNKWN	UNKWN	--	UNKWN	--	UNKWN	UNKWN	--	--	CAN COMM CIRCUIT (U1000)	--
Display unit	--	NG	UNKWN	UNKWN	--	--	UNKWN	--	UNKWN	UNKWN	UNKWN	--	--
BCM	No indication	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 5
Check front air control circuit.

Check sheet results (example)

SELECT SYSTEM screen	CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS	
	Initial diagnosis	Transmit diagnosis	Receive diagnosis										
			ECM	TCM	VDC/TC/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R			
ENGINE	--	--	UNKWN	--	UNKWN	UNKWN	--	--	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
AT	--	NG	UNKWN	UNKWN	--	UNKWN	--	--	--	UNKWN	--	CAN COMM CIRCUIT (U1000)	--
ABS	--	NG	UNKWN	UNKWN	UNKWN	--	--	--	--	--	--	CAN COMM CIRCUIT (U1000)	--
HVAC	No indication	--	UNKWN	UNKWN	--	UNKWN	--	UNKWN	UNKWN	--	--	CAN COMM CIRCUIT (U1000)	--
Display unit	--	NG	UNKWN	UNKWN	--	--	UNKWN	--	UNKWN	UNKWN	UNKWN	--	--
BCM	No indication	NG	UNKWN	UNKWN	--	--	--	--	--	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	--
IPDM E/R	No indication	--	UNKWN	UNKWN	--	--	--	--	UNKWN	--	--	CAN COMM CIRCUIT (U1000)	--



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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-29, "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	CAN DIAG SUPPORT MONTR											SELF-DIAG RESULTS	
	Initial diagnosis	Intermitt diagnosis	Receive diagnosis										
			ECM	TCM	VDC/TC/ABS	Front air control	DISPLAY	BCM/STC	METTER/MAA	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]	—
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT [U1000]	—
HVAC	No indication	—	UNKWN	UNKWN	—	UNKWN	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT [U1000]	—
Display unit	—	NG	UNKWN	UNKWN	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	—	—
BCM	No indication	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

NO DTC IS DETECTED.
FURTHER TESTING
MAY BE REQUIRED.

SYSTEM A/T

SELF-DIAG RESULTS

DTC RESULTS TIME

NO DTC IS DETECTED.
FURTHER TESTING
MAY BE REQUIRED.

SYSTEM ABS

SELF-DIAG RESULTS

DTC RESULTS TIME

NO DTC IS DETECTED.
FURTHER TESTING
MAY BE REQUIRED.

SYSTEM HVAC

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 IPDM E/R

SELF-DIAG RESULTS

DTC RESULTS TIME

NO DTC IS DETECTED.
FURTHER TESTING
MAY BE REQUIRED.

SKIB6803E

- See "SELF-DIAG RESULTS" of all units attached to the check sheet. If "CAN COMM CIRCUIT [U1000]" or "CAN COMM CIRCUIT [U1001]" is displayed, put a check mark to the applicable column of self-diagnostic results of the check sheet table.

NOTE:

- For "ENGINE", "NO DTC IS DETECTED" is displayed. Do not put a check mark to it.
- For "A/T", "NO DTC IS DETECTED" is displayed. Do not put a check mark to it.
- For "ABS", "NO DTC IS DETECTED" is displayed. Do not put a check mark to it.
- For "HVAC", "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 "IPDM E/R", "NO DTC IS DETECTED" is displayed. Do not put a check mark to it.

TROUBLE DIAGNOSES WORK FLOW

[CAN]

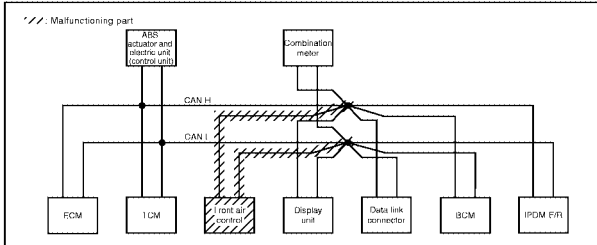
The arranged results of self-diagnosis

SELECT SYSTEM screen	CAN DIAG SUPPORT MNTNR										SELF-DIAG RESULTS		
	Initial diagnosis	Turn-on diagnosis	Reverse diagnosis										
			ECM	TCM	VDC/TS/ABS	Front air control	DISPLAY	BCM/SEC	METER/MEA	IPDM E/R			
ENGINE	--	--	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
AT	--	NG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
ABS	--	NG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
HVAC	No indication	--	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
Display unit	--	NG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
BCM	No indication	NG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
IPDM E/R	No indication	--	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)

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

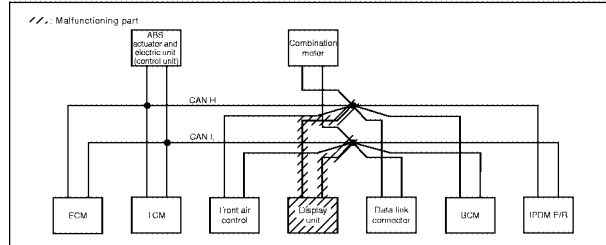
Case 5
Check front air control circuit.

SELECT SYSTEM screen	CAN DIAG SUPPORT MNTNR										SELF-DIAG RESULTS		
	Initial diagnosis	Turn-on diagnosis	Reverse diagnosis										
			ECM	TCM	VDC/TS/ABS	Front air control	DISPLAY	BCM/SEC	METER/MEA	IPDM E/R			
ENGINE	--	--	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
AT	--	NG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
ABS	--	NG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
HVAC	No indication	--	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
Display unit	--	NG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
BCM	No indication	NG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
IPDM E/R	No indication	--	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)



Case 6
Check display unit circuit.

SELECT SYSTEM screen	CAN DIAG SUPPORT MNTNR										SELF-DIAG RESULTS		
	Initial diagnosis	Turn-on diagnosis	Reverse diagnosis										
			ECM	TCM	VDC/TS/ABS	Front air control	DISPLAY	BCM/SEC	METER/MEA	IPDM E/R			
ENGINE	--	--	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
AT	--	NG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
ABS	--	NG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
HVAC	No indication	--	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
Display unit	--	NG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
BCM	No indication	NG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)
IPDM E/R	No indication	--	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1000)



SKIB6804E

NOTE:

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

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

TROUBLE DIAGNOSES WORK FLOW

[CAN]

UKS004L5

CAN Diagnostic Support Monitor

DESCRIPTION OF "CAN DIAG SUPPORT MNTR" SCREEN FOR ECM

(Example)	CAN DIAG SUPPORT MNTR	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	<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>—</td><td>—</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	—	—	PRINT		Scroll Up	MODE	BACK
ENGINE																																																																															
	PRSNT	PAST																																																																													
TRANSMIT DIAG	OK	OK																																																																													
VDC/TCS/ABS	OK	OK																																																																													
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AWD/4WD	—	—																																																																													
PRINT		Scroll Up																																																																													
MODE	BACK	LIGHT COPY																																																																													
		SKIB6762E																																																																													

"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	AWD/4WD 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 TCM

With 4A/T

(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	
PRINT			
MODE	BACK	LIGHT	COPY

PKIA8946E

"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

Display Results (Present)

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

With 5A/T

(Example)

CAN DIAG SUPPORT MNTR			
TRANSMISSION			
		PRSNT	
INITIAL DIAG		OK	
TRANSMIT DIAG		OK	
ECM		OK	
VDC/TCS/ABS		OK	
METER/M&A		OK	
PRINT			
MODE	BACK	LIGHT	COPY

SKIB0592E

"SELECT SYSTEM" screen	"CAN DIAG SUPPORT MNTR" screen	Description	Present
TRANSMISSION	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

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 FRONT AIR CONTROL

(Example)	CAN DIAG SUPPORT MNTR	CAN DIAG SUPPORT MNTR
	HVAC	HVAC
	PRSNT PAST	PRSNT PAST
	TRANSMIT DIAG OK OK	IPDM E/R - -
	ECM OK OK	DISPLAY OK OK
	TCM - -	IKEY - -
	BCM/SEC OK OK	EPS - -
	VDC/TCS/ABS OK OK	AWD/4WD - -
	IPDM E/R - -	e4WD - -
	DISPLAY OK OK	ICC - -
	I-KEY - -	LANE KEEP - -
	EPS - -	TIRE-P - -
	PRINT	PRINT
	MODE BACK LIGHT COPY	Scroll Up
		MODE BACK LIGHT COPY
		SKIB6764E

"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.	-	
	DISPLAY	Make sure of normal reception from display unit or 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 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

SKIB6765E

“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.

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

(Example)

CAN DIAG SUPPORT MNTR			
AUTO DRIVE POS.			
		PRSNT	
INITIAL DIAG		OK	
TRANSMIT DIAG		OK	
BCM/SEC		OK	
METER/M&A		OK	
TCM		OK	
PRINT			
MODE	BACK	LIGHT	COPY

SKIB2360E

“SELECT SYSTEM” screen	“CAN DIAG SUPPORT MNTR” screen	Description	Present
AUTO DRIVE POS.	INITIAL DIAG	Make sure that microcomputer in ECU works normally.	OK/NG
	TRANSMIT DIAG	Make sure of normal transmission.	OK/UNKWN
	BCM/SEC	Make sure of normal reception from BCM.	OK/UNKWN
	METER/M&A	Make sure of normal reception from combination meter.	OK/UNKWN
	TCM	Make sure of normal reception from TCM.	OK/UNKWN

Display Results (Present)

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

TROUBLE DIAGNOSES WORK FLOW

[CAN]

DESCRIPTION OF “CAN DIAG MNTR” SCREEN FOR DISPLAY UNIT

(Example)

```

CAN DIAG MNTR
  CANCOMM OK
  CAN1     OK
  CAN2     OK
    
```

SKIB2447E

Unit name	Diagnosis item	Description	“CAN DIAG MNTR” screen
Display unit	CANCOMM	Make sure that microcomputer in ECU works normally.	OK/NG
	CAN1	Make sure of normal transmission.	OK/UNKWN
	CAN2	Make sure of normal reception from BCM.	OK/UNKWN
	CAN3	Make sure of normal reception from ECM.	OK/UNKWN
	CAN4	Make sure of normal reception from front air control.	OK/UNKWN
	CAN5	Make sure of normal reception from combination meter.	OK/UNKWN
	CAN6	CAN6 is not diagnosed.	UNKWN
	CAN7	Make sure of normal reception from IPDM E/R.	OK/UNKWN
	CAN8	CAN8 is not diagnosed.	OK
	CAN9	CAN9 is not diagnosed.	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	OK	0	
CAN_CIRC_5	OK	0	
CAN_CIRC_6	OK	0	
CAN_CIRC_7	OK	0	
CAN_CIRC_8	OK	0	
CAN_CIRC_9	UNKWN	0	

PKIB6080E

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.	OK	
	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

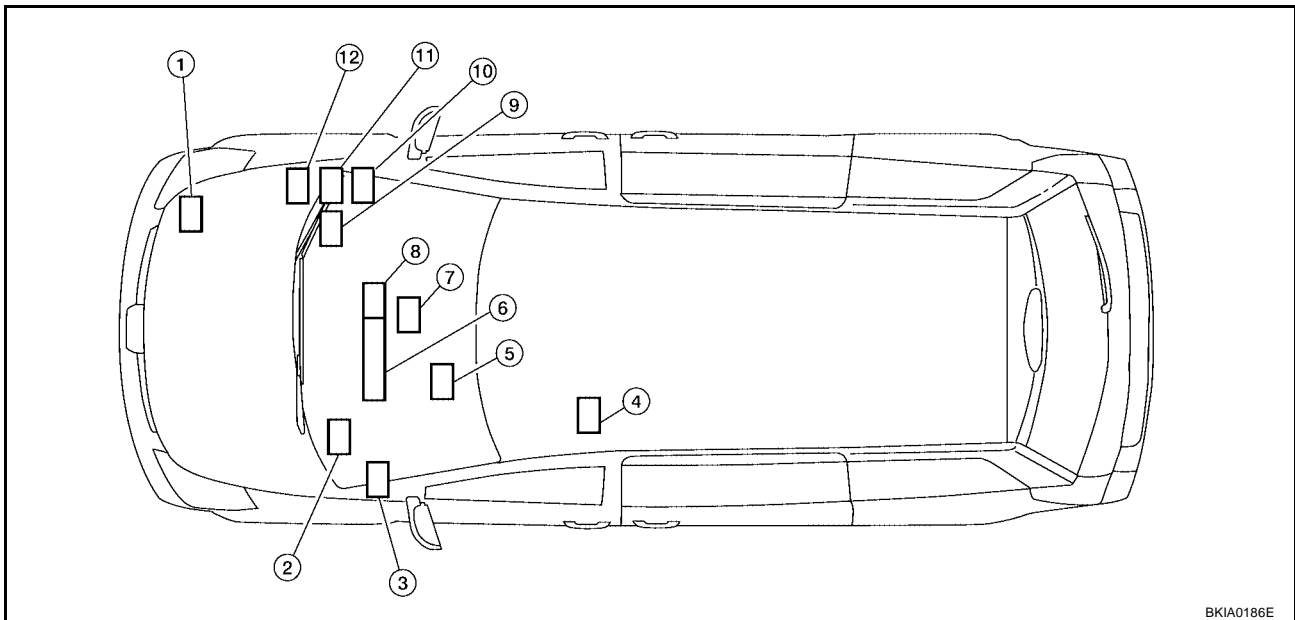
System Description

UKS002EG

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

UKS002EJ



BKIA0186E

- | | | |
|--|---|---|
| <p>1. IPDM E/R E121</p> <p>4. Driver seat control unit P2 (with automatic drive positioner)</p> <p>7. Front air control M50</p> <p>10. Display control unit M95 (with color display)</p> | <p>2. Steering angle sensor M47 (with VDC)</p> <p>5. Data link connector M22</p> <p>8. Display unit M93 (with monochrome display)</p> <p>11. TCM E142 (with 4 A/T), E143 (with 5 A/T)</p> | <p>3. BCM M18</p> <p>6. Combination meter M23</p> <p>9. ECM E16</p> <p>12. ABS actuator and electric unit (control unit) E125</p> |
|--|---|---|

CAN COMMUNICATION

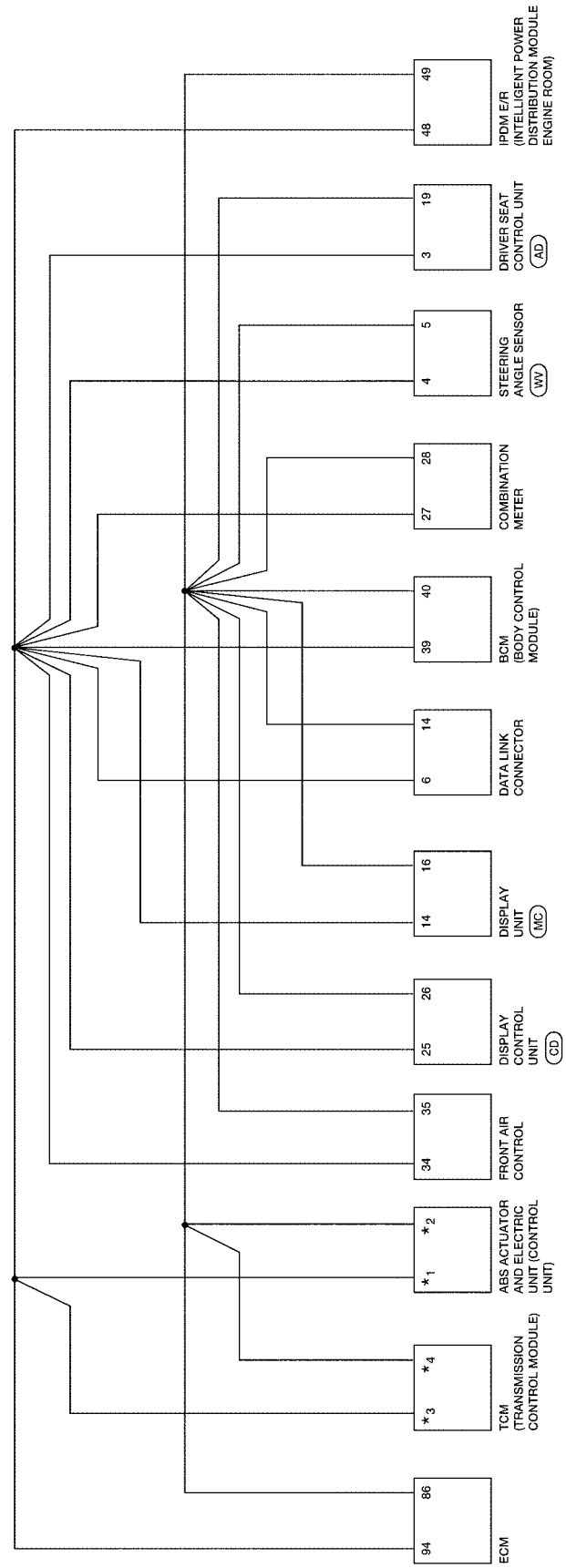
[CAN]

Schematic

UKS002EK

- * 1 (TS) : 20
(WV) : 7
- * 2 (TS) : 23
(WV) : 9
- * 3 (A4) : 5
(A5) : 3
- * 4 (A4) : 6
(A5) : 4

- (A4) : WITH 4 A/T
- (A5) : WITH 5 A/T
- (AD) : WITH AUTOMATIC DRIVE POSITIONER
- (CD) : WITH COLOR DISPLAY
- (MC) : WITH MONOCHROME DISPLAY
- (TS) : WITH TCS
- (WV) : WITH VDC



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BKWA0635E

CAN COMMUNICATION

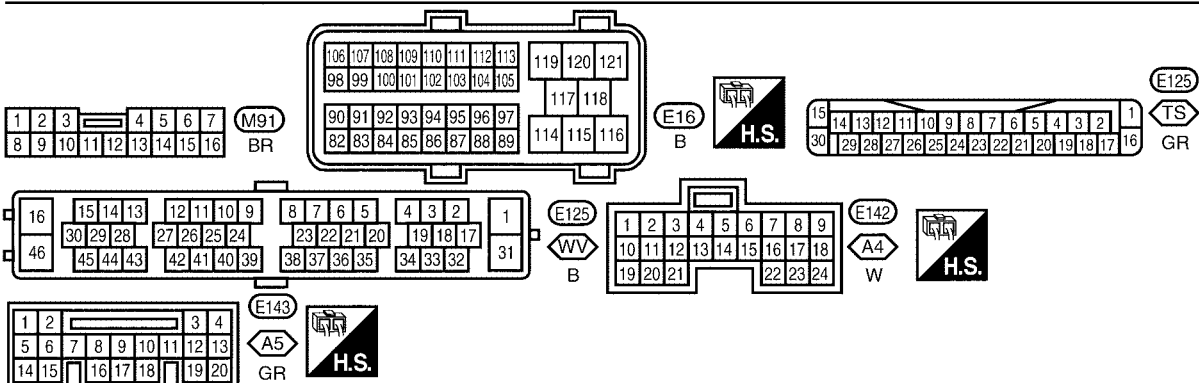
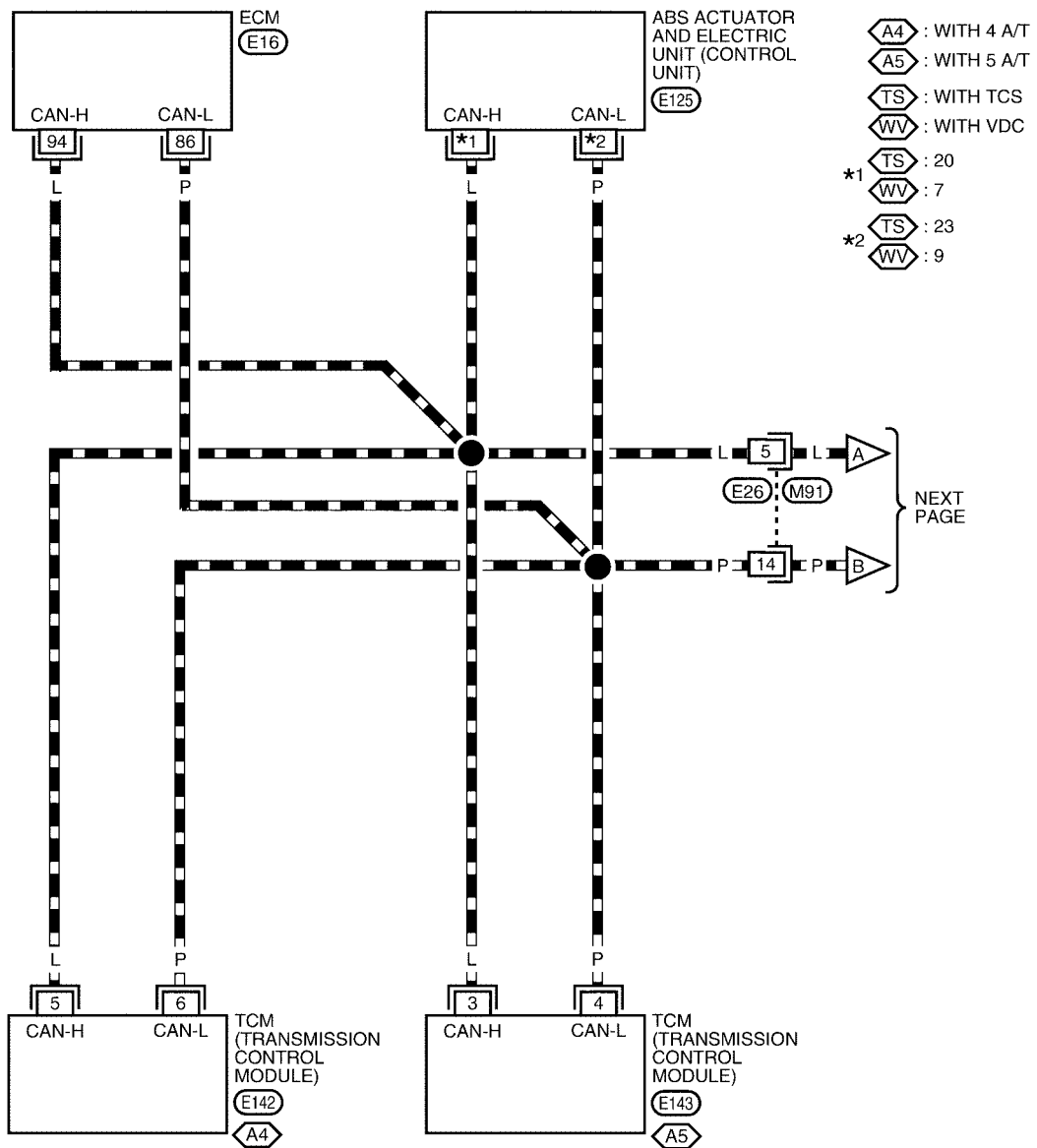
[CAN]

UKS002EL

Wiring Diagram — CAN —

LAN-CAN-01

▬ : DATA LINE

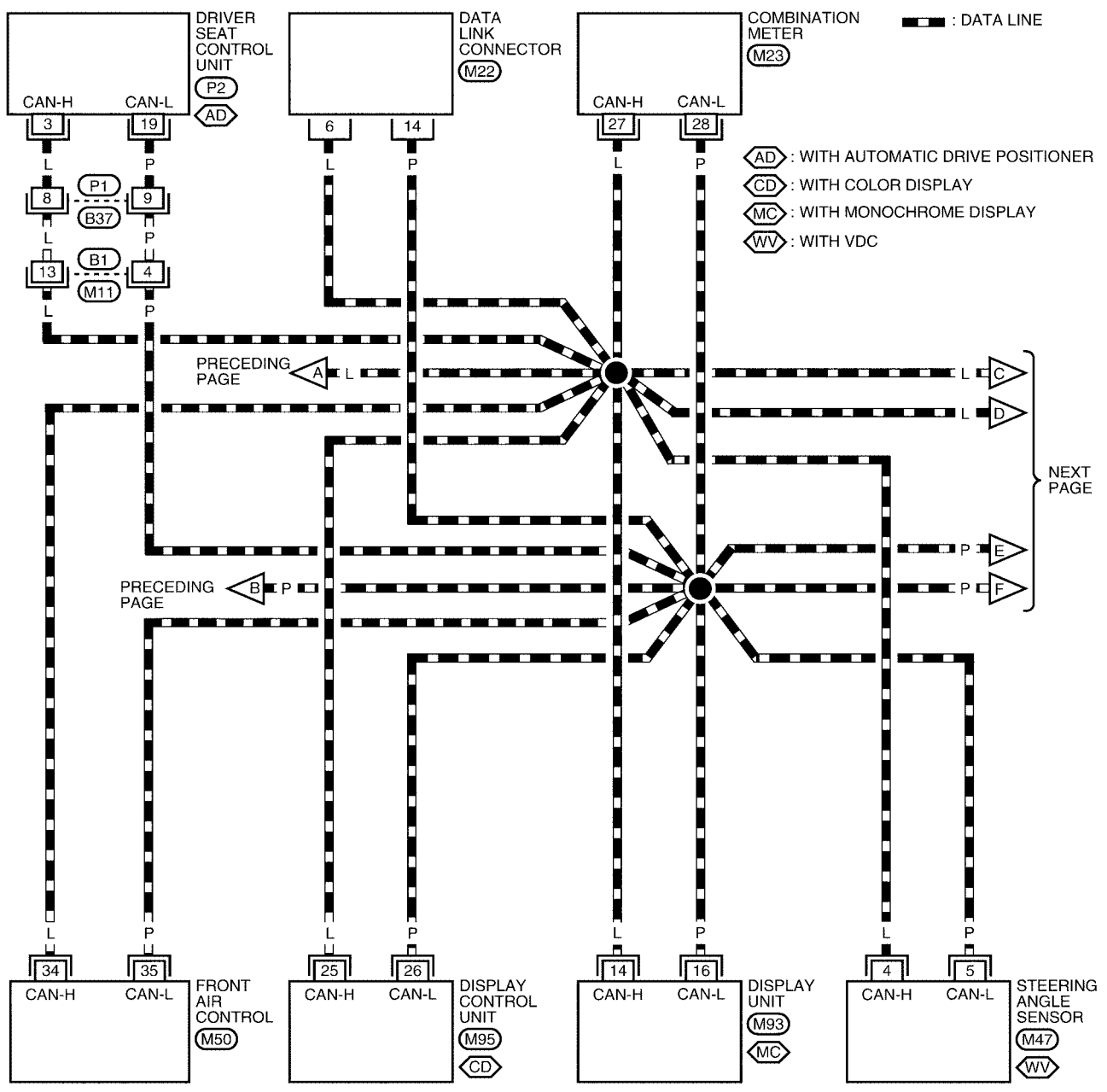


BKWA0621E

CAN COMMUNICATION

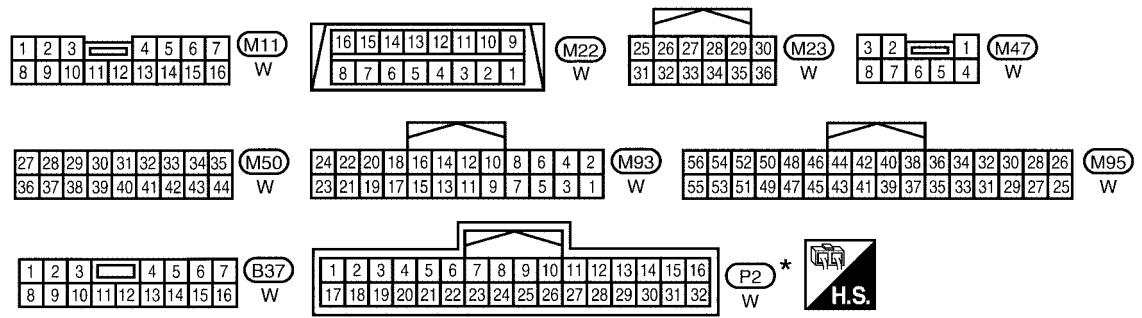
[CAN]

LAN-CAN-02



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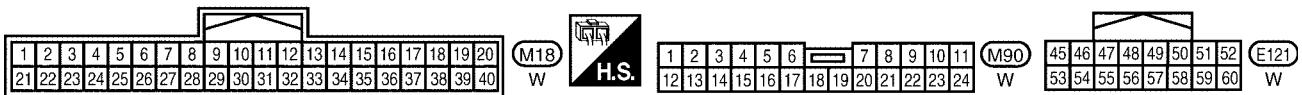
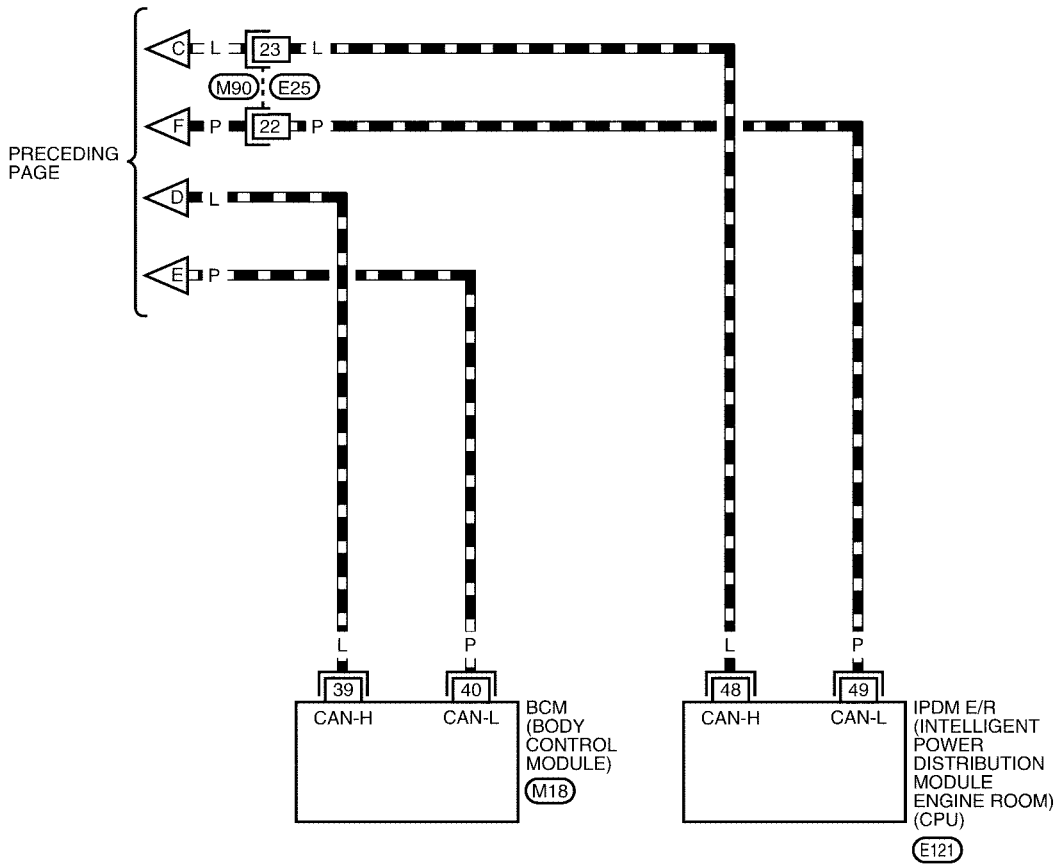
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*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

BKWA0622E

▬ : DATA LINE



BKWA0623E

CAN Communication Unit

Refer to the following table to determine CAN system type.

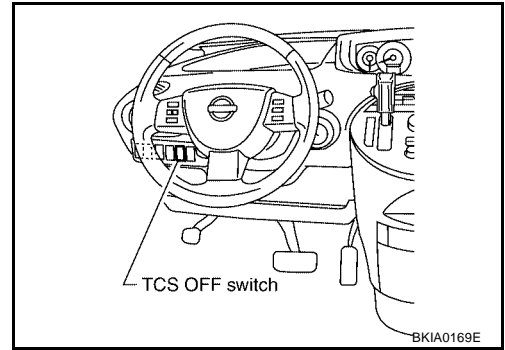
Axle	2WD				
Engine	VQ35DE				
Transmission	4 A/T	5 A/T			
Brake control	TCS	TCS		VDC	
Monochrome display	X	X			
Color display			X	X	X
Automatic drive positioner					X
CAN system type	1	2	3	4	5
CAN system trouble diagnosis	LAN-38	LAN-53	LAN-68	LAN-83	LAN-99

X: Applicable

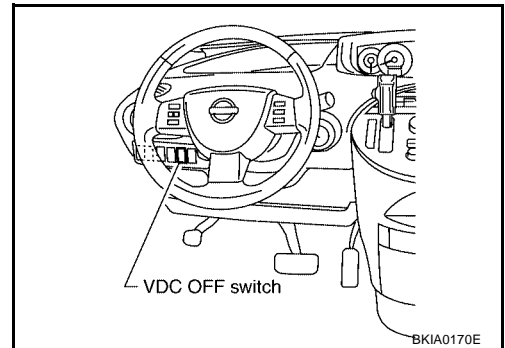
NOTE:

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

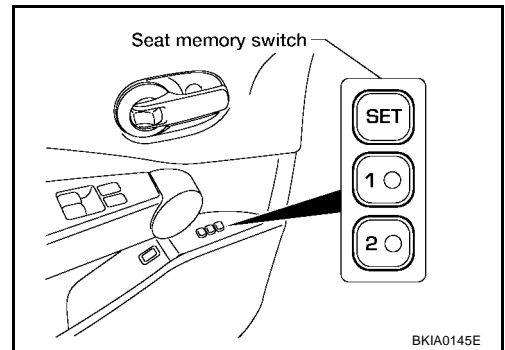
- Models with TCS



- Models with VDC



- Models with automatic drive positioner



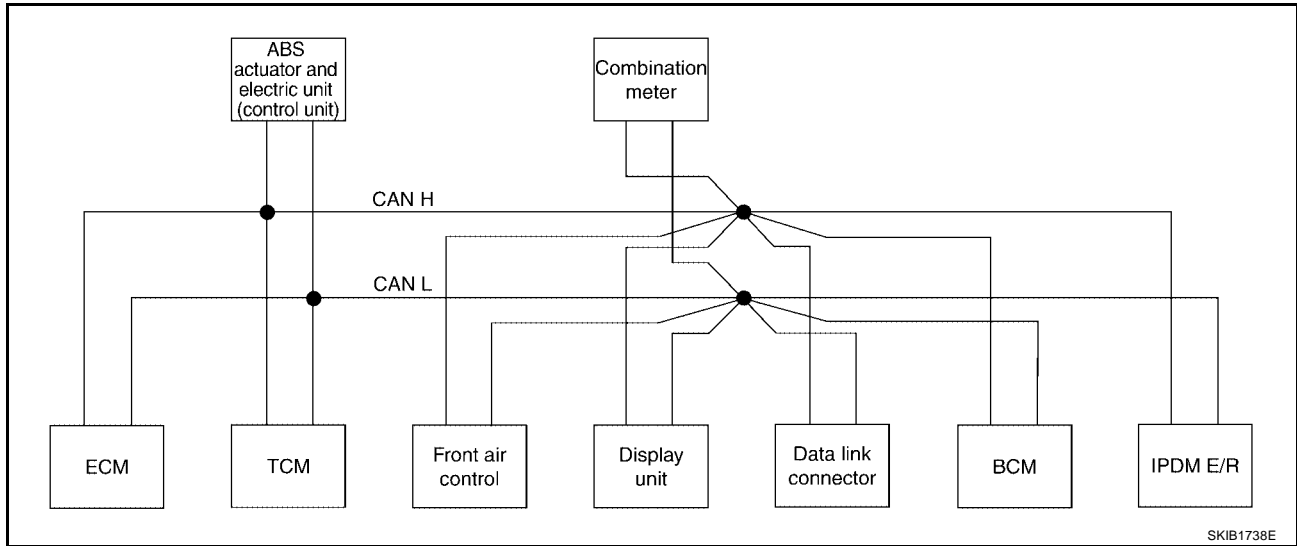
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TYPE 1

System diagram

- Type 1



Input/output signal chart

T: Transmit R: Receive

Signals	ECM	TCM	ABS actuator and electric unit (control unit)	Front air control	Display unit	BCM	Combination meter	IPDM E/R
Accelerator pedal position signal	T		R					
ASCD CRUISE indicator signal	T						R	
ASCD OD cancel request signal	T	R						
ASCD operation signal	T	R						
ASCD SET indicator signal	T						R	
A/C compressor request signal	T							R
Closed throttle position signal	T	R	R					
Cooling fan speed request signal	T							R
Engine coolant temperature signal	T			R			R	
Engine and A/T integrated control signal	T	R						
	R	T						
Engine speed signal	T		R	R	R		R	
Fuel consumption monitor signal	T						R	
					R		T	
Malfunction indicator lamp signal	T						R	
Wide open throttle position signal	T	R						
A/T position indicator lamp signal		T					R	
A/T self-diagnosis signal	R	T						
Input shaft revolution signal	R	T						
Output shaft revolution signal	R	T						
O/D OFF indicator lamp signal		T					R	
P range signal		T	R					

CAN COMMUNICATION

[CAN]

Signals	ECM	TCM	ABS actuator and electric unit (control unit)	Front air control	Display unit	BCM	Combi- nation meter	IPDM E/ R
A/T shift schedule change demand signal		R	T					
ABS warning lamp signal			T				R	
Brake warning lamp signal			T				R	
SLIP indicator lamp signal			T				R	
TCS OFF indicator lamp signal			T				R	
Vehicle speed signal			T	R			R	
	R				R	R	T	
A/C switch/indicator signal				R	T			
				T	R			
System setting signal					T	R		
					R	T		
Ignition switch signal						T		R
A/C switch signal	R			R		T		
Blower fan motor switch signal	R					T		
Buzzer output signal						T	R	
Cornering lamp request signal						T		R
Door switch signal					R	T	R	R
Front fog light request signal						T		R
Front wiper request signal						T		R
High beam request signal						T	R	R
Horn chirp signal						T		R
Low beam request signal						T		R
Rear window defogger switch signal				R	R	T		R
Position light request signal						T	R	R
Sleep wake up signal						T	R	R
Tire pressure data signal					R	T		
Tire pressure signal						T	R	
Turn indicator signal						T	R	
Distance to empty signal					R		T	
Fuel level sensor signal	R						T	
Overdrive control switch signal		R					T	
Seat belt buckle switch signal						R	T	
Stop lamp switch signal		R					T	
BCM wake up request signal						R	T	T
Cooling fan speed signal	R							T
Front wiper stop position signal						R		T
High beam status signal	R							T
Ignition power supply confirmation signal						R		T
IPDM E/R refuse to sleep signal						R		T
IPDM E/R wake up sleep request signal						R		T

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CAN COMMUNICATION

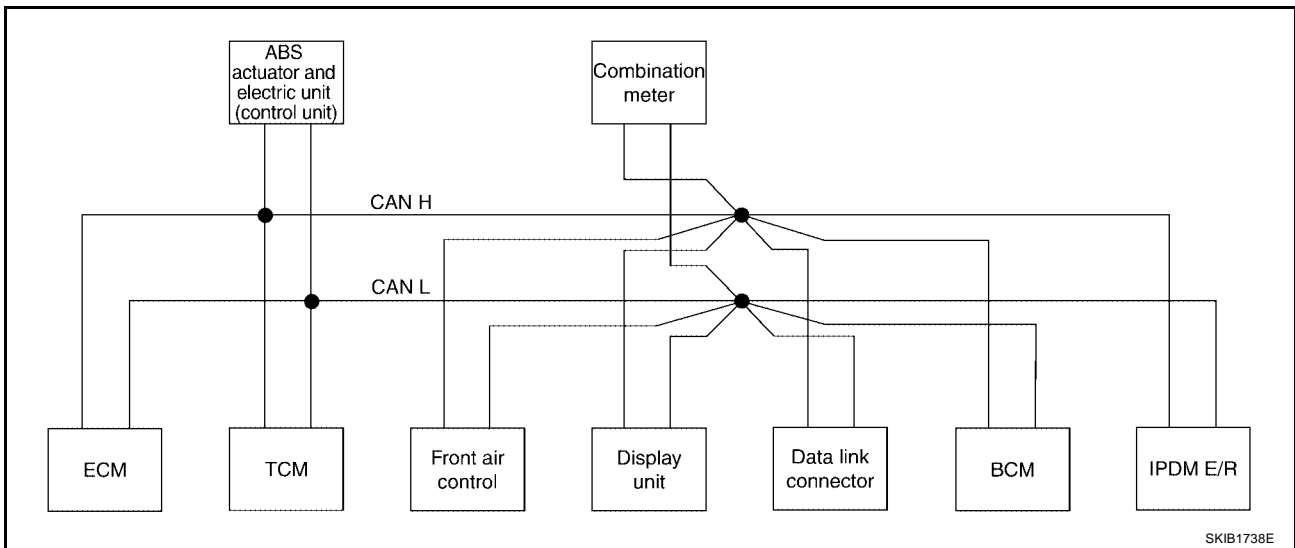
[CAN]

Signals	ECM	TCM	ABS actuator and electric unit (control unit)	Front air control	Display unit	BCM	Combination meter	IPDM E/R
Low beam status signal	R							T
Oil pressure switch signal							R	T
Rear window defogger control signal	R							T

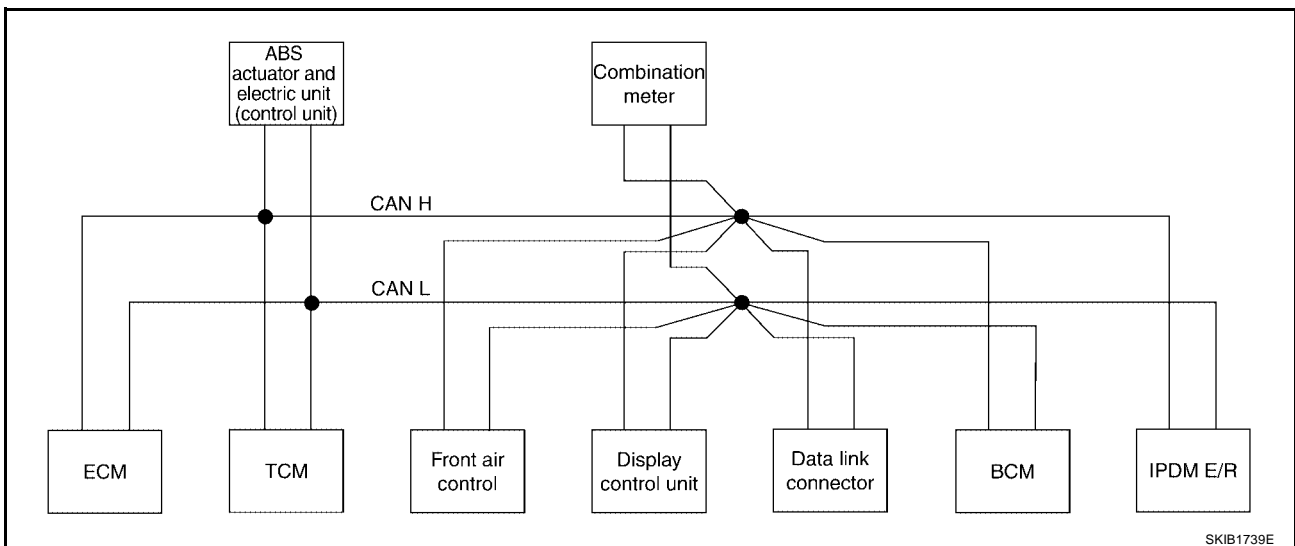
TYPE 2/TYPE 3

System diagram

- Type 2



- Type 3



CAN COMMUNICATION

[CAN]

Input/output signal chart

T: Transmit R: Receive

Signals	ECM	TCM	ABS actuator and electric unit (control unit)	Front air control	Display control unit	Display unit	BCM	Combination meter	IPDM E/R
Accelerator pedal position signal	T	R	R						
ASCD CRUISE indicator signal	T							R	
ASCD OD cancel request signal	T	R							
ASCD operation signal	T	R							
ASCD SET indicator signal	T							R	
A/C compressor request signal	T								R
Cooling fan speed request signal	T								R
Engine and A/T integrated control signal	T	R							
	R	T							
Engine coolant temperature signal	T	R		R				R	
Engine speed signal	T	R	R	R	R	R		R	
Fuel consumption monitor signal	T							R	
					R	R		T	
Malfunction indicator lamp signal	T							R	
A/T position indicator lamp signal		T						R	
A/T self-diagnosis signal	R	T							
Input shaft revolution signal	R	T							
Output shaft revolution signal	R	T							
O/D OFF indicator lamp signal		T						R	
P range signal		T	R						
ABS operation signal		R	T						
ABS warning lamp signal			T					R	
A/T shift schedule change demand signal		R	T						
Brake warning lamp signal			T					R	
SLIP indicator lamp signal			T					R	
TCS OFF indicator lamp signal			T					R	
TCS operation signal		R	T						
Vehicle speed signal			T	R				R	
	R	R			R	R	R	T	
A/C switch/indicator signal				R	T	T			
				T	R	R			
System setting signal					T	T	R		
					R	R	T		
A/C switch signal	R			R			T		
Blower fan motor switch signal	R						T		
Buzzer output signal							T	R	
Cornering lamp request signal							T		R

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CAN COMMUNICATION

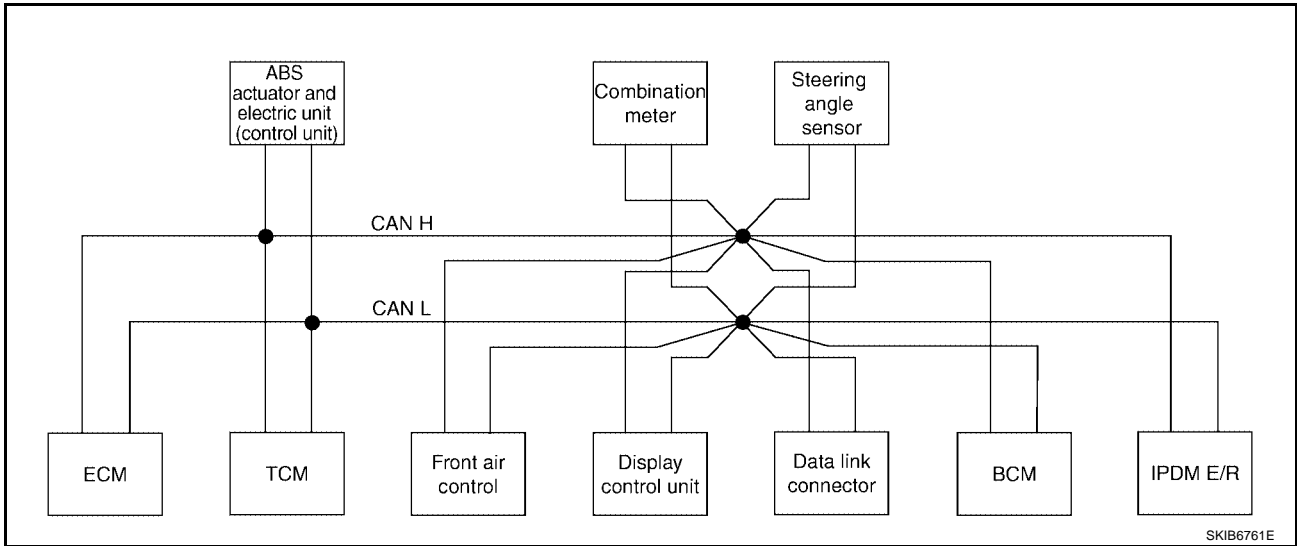
[CAN]

Signals	ECM	TCM	ABS actuator and electric unit (control unit)	Front air control	Display control unit	Display unit	BCM	Combination meter	IPDM E/R
Door switch signal					R	R	T	R	R
Front fog light request signal							T		R
Front wiper request signal							T		R
High beam request signal							T	R	R
Horn chirp signal							T		R
Ignition switch signal							T		R
Low beam request signal							T		R
Position light request signal							T	R	R
Rear window defogger switch signal				R	R	R	T		R
Sleep wake up signal							T	R	R
Tire pressure data signal					R	R	T		
Tire pressure signal							T	R	
Turn indicator signal							T	R	
Distance to empty signal					R	R		T	
Fuel level sensor signal	R							T	
Seat belt buckle switch signal							R	T	
Stop lamp switch signal		R						T	
BCM wake up request signal							R	T	T
Cooling fan speed signal	R								T
Front wiper stop position signal							R		T
High beam status signal	R								T
Ignition power supply confirmation signal							R		T
IPDM E/R refuse to sleep signal							R		T
IPDM E/R wake up sleep request signal							R		T
Low beam status signal	R								T
Oil pressure switch signal								R	T
Rear window defogger control signal	R								T

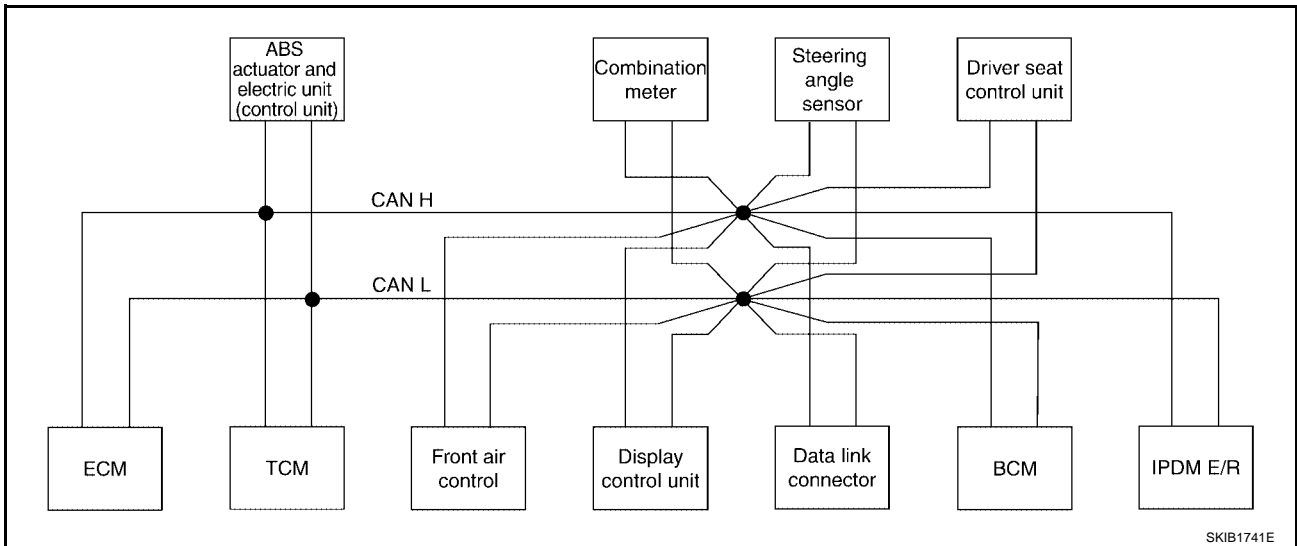
TYPE 4/TYPER 5

System diagram

- Type 4



- Type 5



Input/output signal chart

T: Transmit R: Receive

Signals	ECM	TCM	ABS actuator and electric unit (control unit)	Front air control	Display control unit	BCM	Combination meter	Steering angle sensor	Driver seat control unit	IPDM E/R
Accelerator pedal position signal	T	R	R							
ASCD CRUISE indicator signal	T						R			
ASCD OD cancel request signal	T	R								
ASCD operation signal	T	R								
ASCD SET indicator signal	T						R			
A/C compressor request signal	T									R
Cooling fan speed request signal	T									R

CAN COMMUNICATION

[CAN]

Signals	ECM	TCM	ABS actuator and electric unit (control unit)	Front air control	Display control unit	BCM	Combination meter	Steering angle sensor	Driver seat control unit	IPDM E/R
Engine and A/T integrated control signal	T	R								
	R	T								
Engine coolant temperature signal	T	R		R			R			
Engine speed signal	T	R	R	R	R		R			
Fuel consumption monitor signal	T						R			
					R		T			
Malfunction indicator lamp signal	T						R			
A/T position indicator lamp signal		T					R			
A/T self-diagnosis signal	R	T								
Input shaft revolution signal	R	T								
Output shaft revolution signal	R	T								
O/D OFF indicator lamp signal		T					R			
P range signal		T	R						R	
R range signal		T							R	
ABS operation signal		R	T							
ABS warning lamp signal			T				R			
A/T shift schedule change demand signal		R	T							
Brake warning lamp signal			T				R			
SLIP indicator lamp signal			T				R			
Vehicle speed signal			T	R			R			
	R	R			R	R	T		R	
VDC OFF indicator lamp signal			T				R			
VDC operation signal		R	T							
A/C switch/indicator signal				R	T					
				T	R					
System setting signal					T	R			R	
					R	T			T	
A/C switch signal	R			R		T				
Blower fan motor switch signal	R					T				
Buzzer output signal						T	R			
Cornering lamp request signal						T				R
Door switch signal					R	T	R		R	R
Front fog light request signal						T				R
Front wiper request signal						T				R
High beam request signal						T	R			R
Horn chirp signal						T				R
Ignition switch signal						T			R	R
Key fob door unlock signal						T			R	
Key fob ID signal						T			R	

CAN COMMUNICATION

[CAN]

Signals	ECM	TCM	ABS actua- tor and elec- tric unit (con- trol unit)	Front air control	Dis- play control unit	BCM	Combi- nation meter	Steer- ing angle sensor	Driver seat control unit	IPDM E/R
Key switch signal						T			R	
Low beam request signal						T				R
Rear window defogger switch signal				R	R	T				R
Position light request signal						T	R			R
Sleep wake up signal						T	R			R
Tire pressure data signal					R	T				
Tire pressure signal						T	R			
Turn indicator signal						T	R			
Distance to empty signal					R		T			
Fuel level sensor signal	R						T			
Seat belt buckle switch signal						R	T			
Stop lamp switch signal		R					T			
Steering angle sensor signal			R					T		
BCM wake up request signal						R	T			T
Cooling fan speed signal	R									T
Front wiper stop position signal						R				T
High beam status signal	R									T
Ignition power supply confirmation signal						R				T
IPDM E/R refuse to sleep signal						R				T
IPDM E/R wake up sleep request signal						R				T
Low beam status signal	R									T
Oil pressure switch signal							R			T
Rear window defogger control signal	R									T

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CAN SYSTEM (TYPE 1)

PF2P:23710

Component Parts and Harness Connector Location

UKS004L6

Refer to [LAN-24, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS004L7

Refer to [LAN-25, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004L8

Refer to [LAN-26, "Wiring Diagram — CAN —"](#) .

CAN SYSTEM (TYPE 1)

[CAN]

UKS004L9

Check Sheet

NOTE:

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	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)	—	
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
HVAC	No indication	—	UNKWN	UNKWN	—	UNKWN	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	
Display unit	—	NG	UNKWN	UNKWN	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	—	—	
BCM	No indication	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 unit Translation Sheet: Rewrite the following names, and put a check mark on the check sheet table.			
Confirmation/Adjustment Display	Check sheet table Display	Confirmation/Adjustment Display	Check sheet table Display
CANCOMM	Initial diagnosis	CAN5	METER/M&A
CAN1	Transmit diagnosis	CAN6	—
CAN2	BCM/SEC	CAN7	IPDM E/R
CAN3	ECM	CAN8	—
CAN4	Front air control	CAN9	—

Attach copy of
display unit
CAN DIAG MONITOR check sheet

SKIB6669E

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CAN SYSTEM (TYPE 1)

[CAN]

Attach copy of
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SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
BCM
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Attach copy of
IPDM E/R
SELF-DIAG RESULTS

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CAN DIAG SUPPORT
MNTR

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A/T
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MNTR

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ABS
CAN DIAG SUPPORT
MNTR

Attach copy of
HVAC
CAN DIAG SUPPORT
MNTR

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BCM
CAN DIAG SUPPORT
MNTR

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IPDM E/R
CAN DIAG SUPPORT
MNTR

SKIB6670E

CAN SYSTEM (TYPE 1)

[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

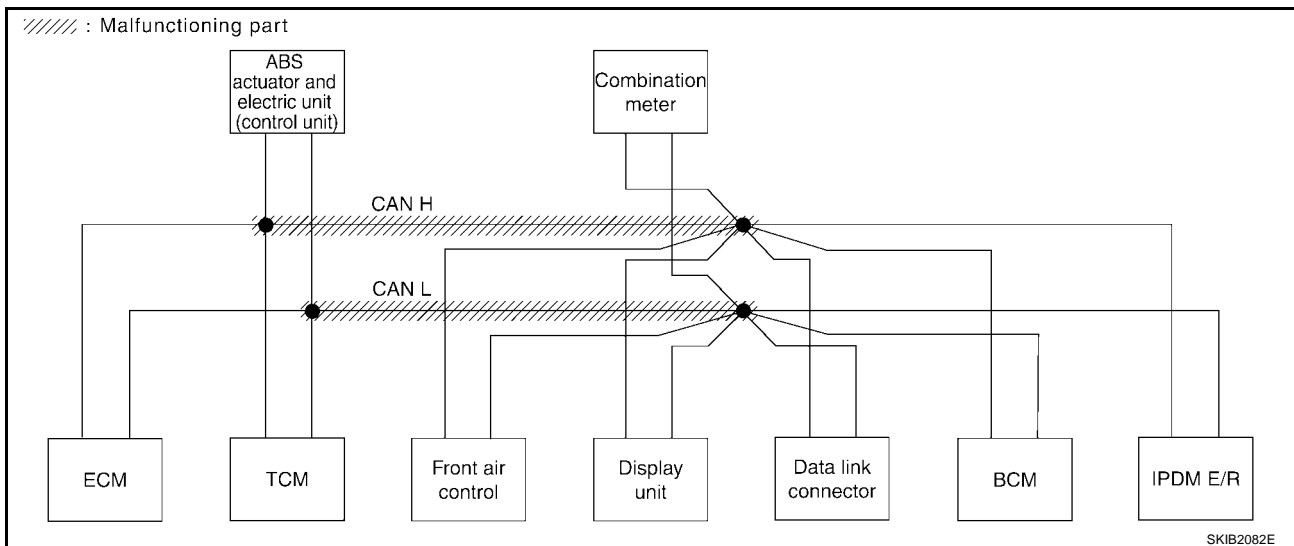
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and data link connector. Refer to [LAN-116, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	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)	—
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—
HVAC	No indication	—	UNKWN	UNKWN	—	UNKWN	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
Display unit	—	NG	UNKWN	UNKWN	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	—	—
BCM	No indication	NG	UNKWN	UNKWN	—	—	—	—	—	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	—
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—

SKIB6671E



CAN SYSTEM (TYPE 1)

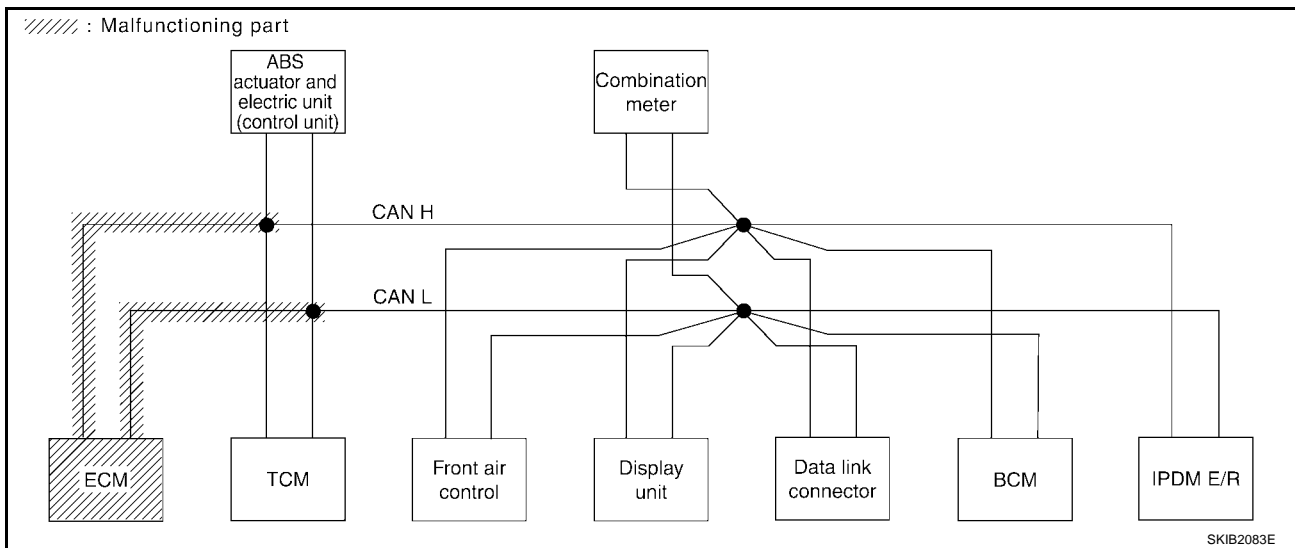
[CAN]

Case 2

Check ECM circuit. Refer to [LAN-117, "ECM Circuit Inspection"](#) .

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

SKIB6672E



SKIB2083E

CAN SYSTEM (TYPE 1)

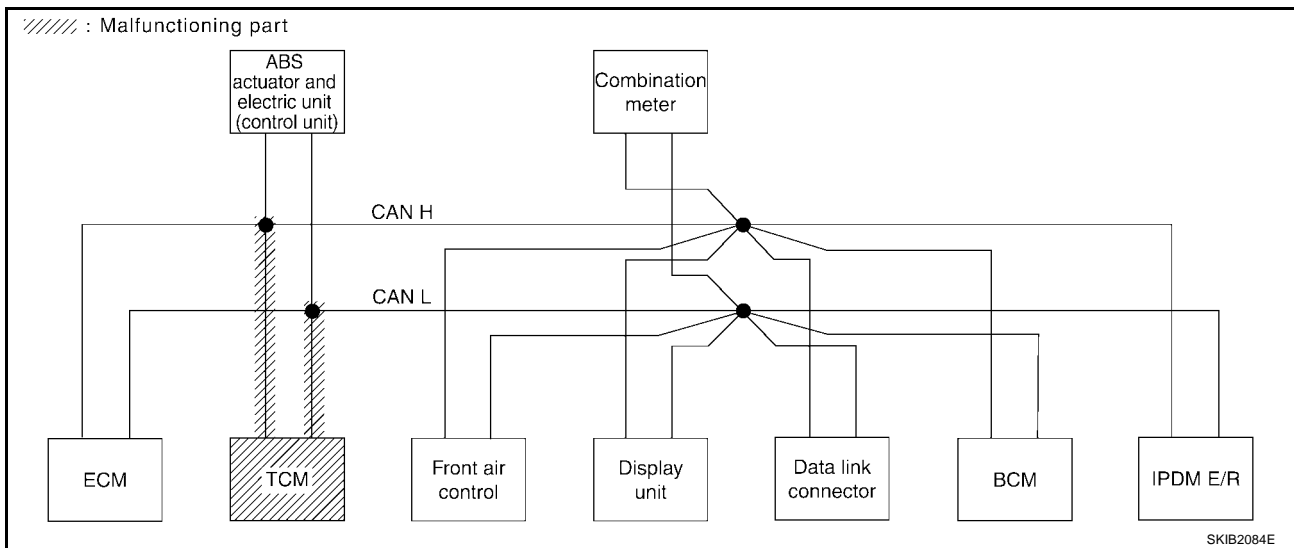
[CAN]

Case 3

Check TCM circuit. Refer to [LAN-117, "TCM Circuit Inspection"](#) .

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

SKIB6673E



SKIB2084E

CAN SYSTEM (TYPE 1)

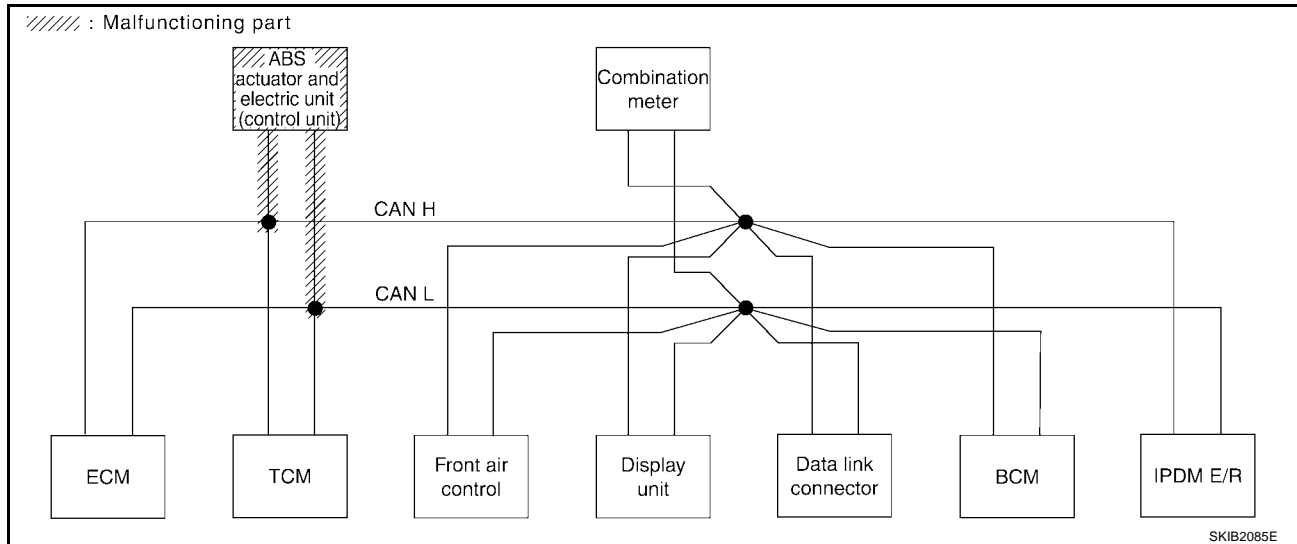
[CAN]

Case 4

Check ABS actuator and electric unit (control unit) circuit. Refer to [LAN-118, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	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)	—	
ABS	—	NG	UNKWN ✓	UNKWN	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
HVAC	No indication	—	UNKWN	UNKWN	—	UNKWN ✓	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	
Display unit	—	NG	UNKWN	UNKWN	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	—	—	
BCM	No indication	NG	UNKWN	UNKWN	—	—	—	—	—	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	—	
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	

SKIB6674E



SKIB2085E

CAN SYSTEM (TYPE 1)

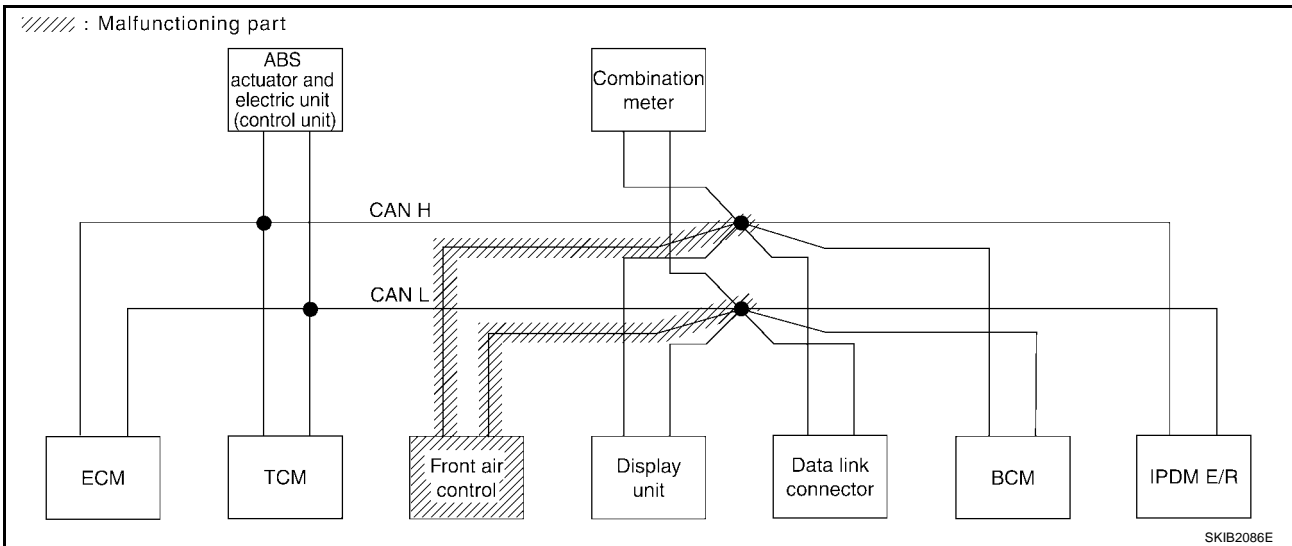
[CAN]

Case 5

Check front air control circuit. Refer to [LAN-119, "Front Air Control Circuit Inspection"](#) .

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

SKIB6675E



CAN SYSTEM (TYPE 1)

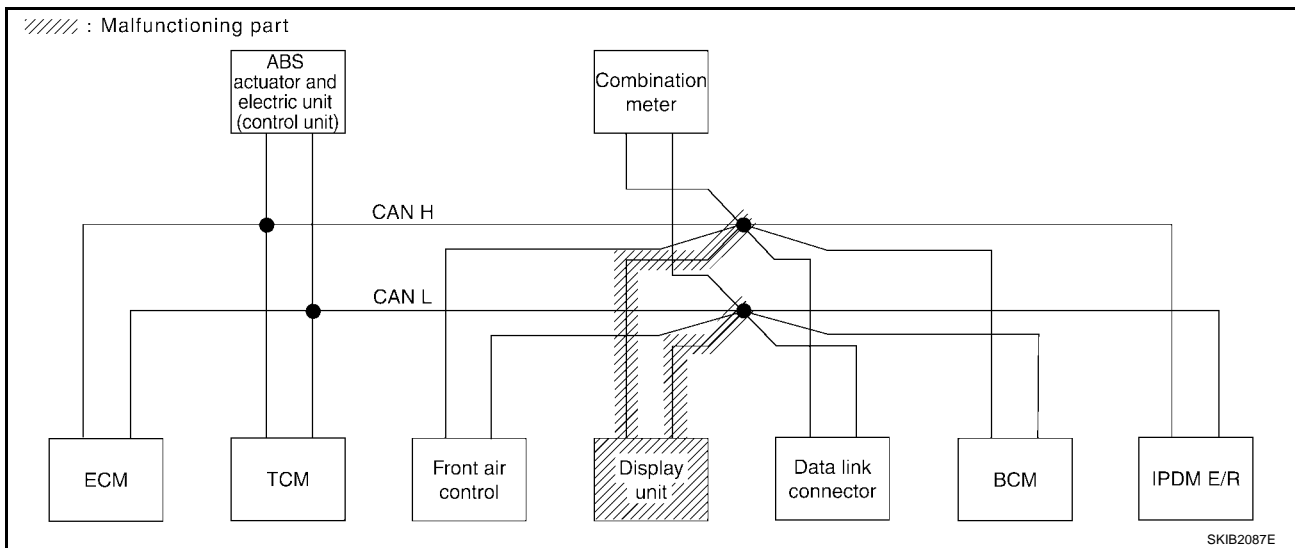
[CAN]

Case 6

Check display unit circuit. Refer to [LAN-120, "Display Unit Circuit Inspection"](#) .

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

SKIB6676E



SKIB2087E

CAN SYSTEM (TYPE 1)

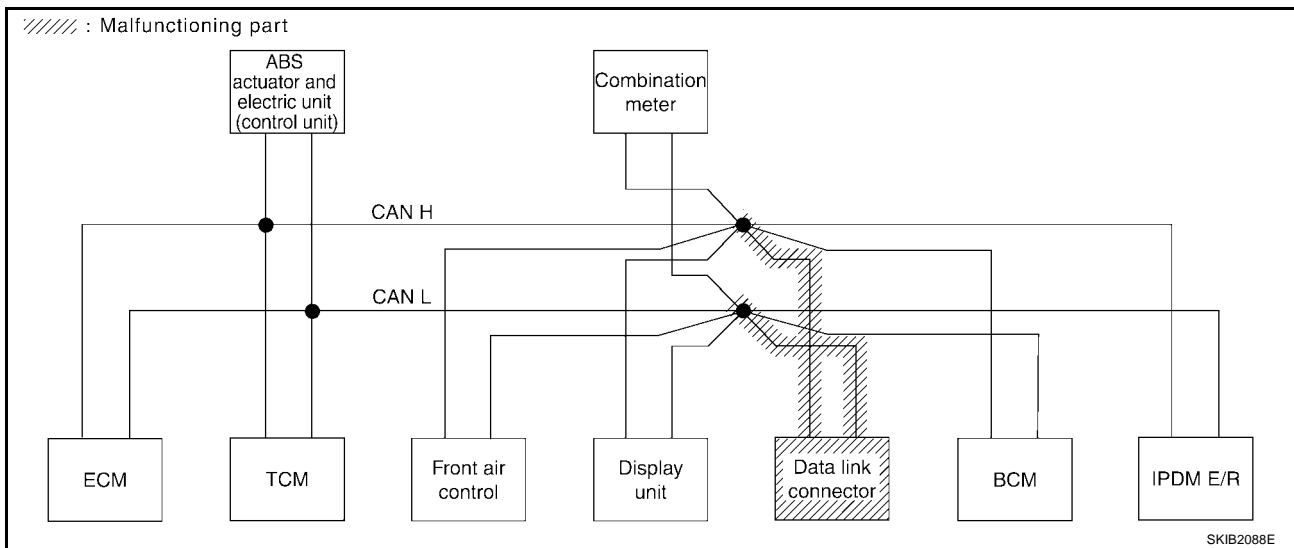
[CAN]

Case 7

Check data link connector circuit. Refer to [LAN-121, "Data Link Connector Circuit Inspection"](#) .

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

SKIB6677E



CAN SYSTEM (TYPE 1)

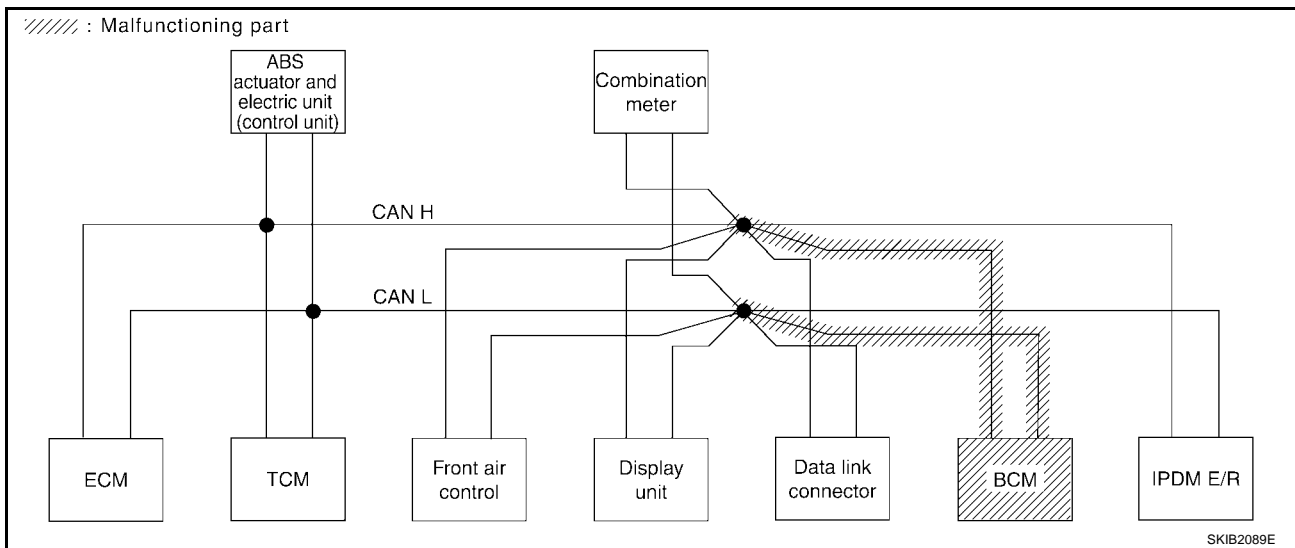
[CAN]

Case 8

Check BCM circuit. Refer to [LAN-121, "BCM Circuit Inspection"](#) .

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

SKIB6678E



SKIB2089E

CAN SYSTEM (TYPE 1)

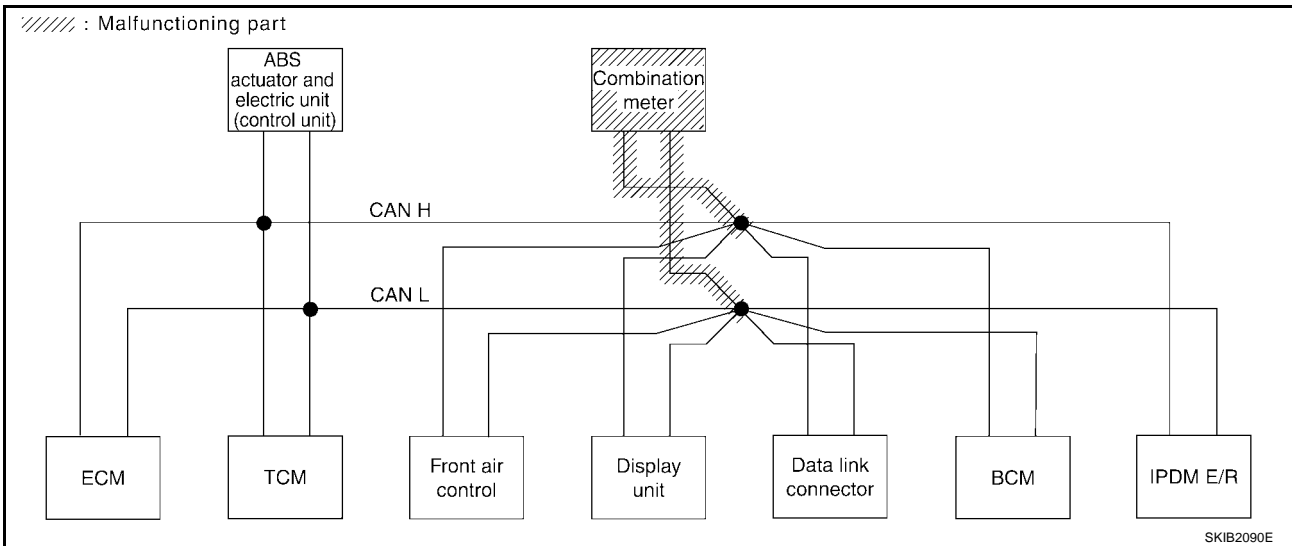
[CAN]

Case 9

Check combination meter circuit. Refer to [LAN-122, "Combination Meter Circuit Inspection"](#) .

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

SKIB6679E



SKIB2090E

CAN SYSTEM (TYPE 1)

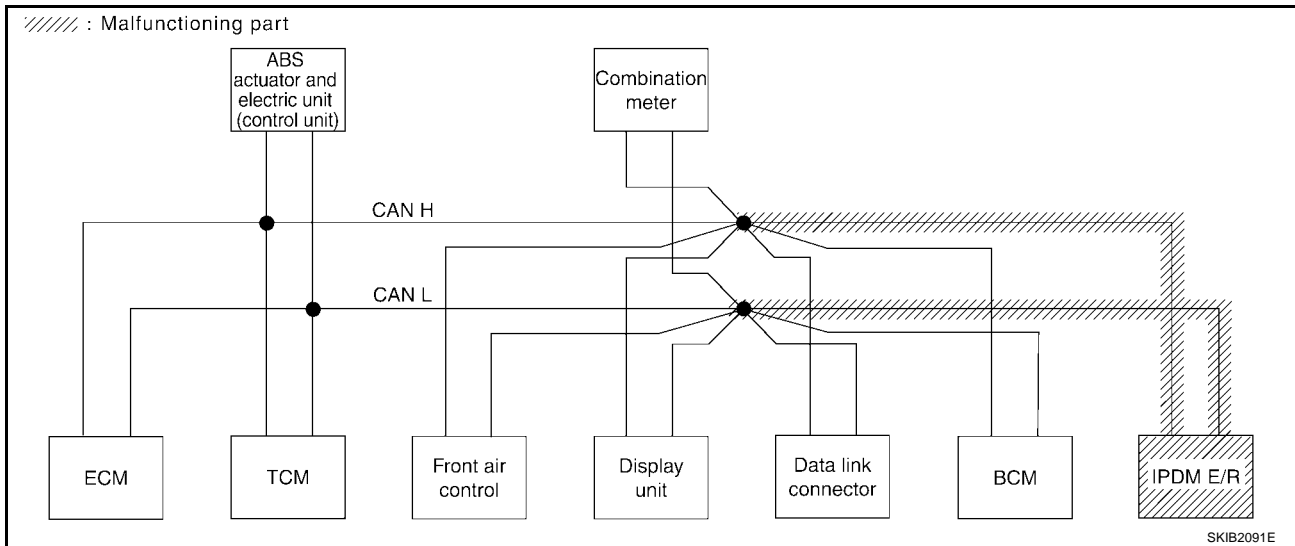
[CAN]

Case 10

Check IPDM E/R circuit. Refer to [LAN-124, "IPDM E/R Circuit Inspection"](#) .

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

SKIB6680E



SKIB2091E

CAN SYSTEM (TYPE 1)

[CAN]

Case 11

Check CAN communication circuit. Refer to [LAN-124, "CAN Communication Circuit Inspection"](#) .

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

SKIB6681E

Case 12

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to [LAN-126, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R		
ENGINE	—	—	UNKW ^N	—	UNKW ^N	UNKW ^N	—	—	UNKW ^N	UNKW ^N	UNKW ^N	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
A/T	—	NG	UNKW ^N	UNKW ^N	—	UNKW ^N	—	—	—	UNKW ^N	—	CAN COMM CIRCUIT (U1000)	—
ABS	—	NG	UNKW ^N	UNKW ^N	UNKW ^N	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—
HVAC	No indication	—	UNKW ^N	UNKW ^N	—	UNKW ^N	—	UNKW ^N	UNKW ^N	—	—	CAN COMM CIRCUIT (U1000)	—
Display unit	—	NG	UNKW ^N	UNKW ^N	—	—	UNKW ^N	—	UNKW ^N	UNKW ^N	UNKW ^N	—	—
BCM	No indication	NG	UNKW ^N	UNKW ^N	—	—	—	—	—	UNKW ^N	UNKW ^N	CAN COMM CIRCUIT (U1000)	—
IPDM E/R	No indication	—	UNKW ^N	UNKW ^N	—	—	—	—	—	UNKW ^N	—	CAN COMM CIRCUIT (U1000)	—

SKIB6682E

CAN SYSTEM (TYPE 1)

[CAN]

Case 13

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to [LAN-126, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	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)	—	
ABS	—	NG	UNKWN	—	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
HVAC	No indication	—	UNKWN	UNKWN	—	UNKWN	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	
Display unit	—	NG	UNKWN	UNKWN	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	—	—	
BCM	No indication	NG	UNKWN	UNKWN	—	—	—	—	—	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	—	
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	

SKIB6683E

CAN SYSTEM (TYPE 2)

[CAN]

CAN SYSTEM (TYPE 2)

PF:23710

Component Parts and Harness Connector Location

UKS004LA

A

Refer to [LAN-24, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS004LB

B

Refer to [LAN-25, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004LC

C

Refer to [LAN-26, "Wiring Diagram — CAN —"](#) .

D

E

F

G

H

I

J

LAN

L

M

CAN SYSTEM (TYPE 2)

[CAN]

UKS004LD

Check Sheet

NOTE:

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000)	—	
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
HVAC	No indication	—	UNKWN	UNKWN	—	UNKWN	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	
Display unit	—	NG	UNKWN	UNKWN	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	—	—	
BCM	No indication	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 unit Translation Sheet: Rewrite the following names, and put a check mark on the check sheet table.			
Confirmation/Adjustment Display	Check sheet table Display	Confirmation/Adjustment Display	Check sheet table Display
CANCOMM	Initial diagnosis	CAN5	METER/M&A
CAN1	Transmit diagnosis	CAN6	—
CAN2	BCM/SEC	CAN7	IPDM E/R
CAN3	ECM	CAN8	—
CAN4	Front air control	CAN9	—

Attach copy of
display unit
CAN DIAG MONITOR check sheet

SKIB6684E

CAN SYSTEM (TYPE 2)

[CAN]

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

A
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SKIB6670E

CAN SYSTEM (TYPE 2)

[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

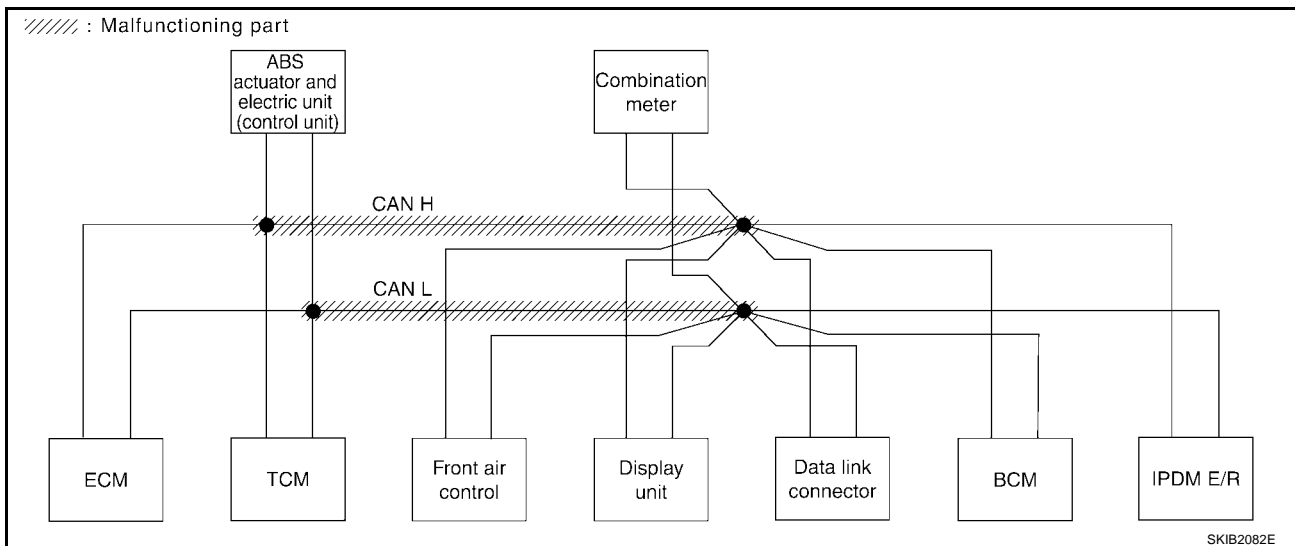
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and data link connector. Refer to [LAN-116, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000)	—	
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
HVAC	No indication	—	UNKWN	UNKWN	—	UNKWN	—	UNKWN	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	—	
Display unit	—	NG	UNKWN	UNKWN	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	—	—	
BCM	No indication	NG	UNKWN	UNKWN	—	—	—	—	—	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	—	
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	

SKIB6686E



CAN SYSTEM (TYPE 2)

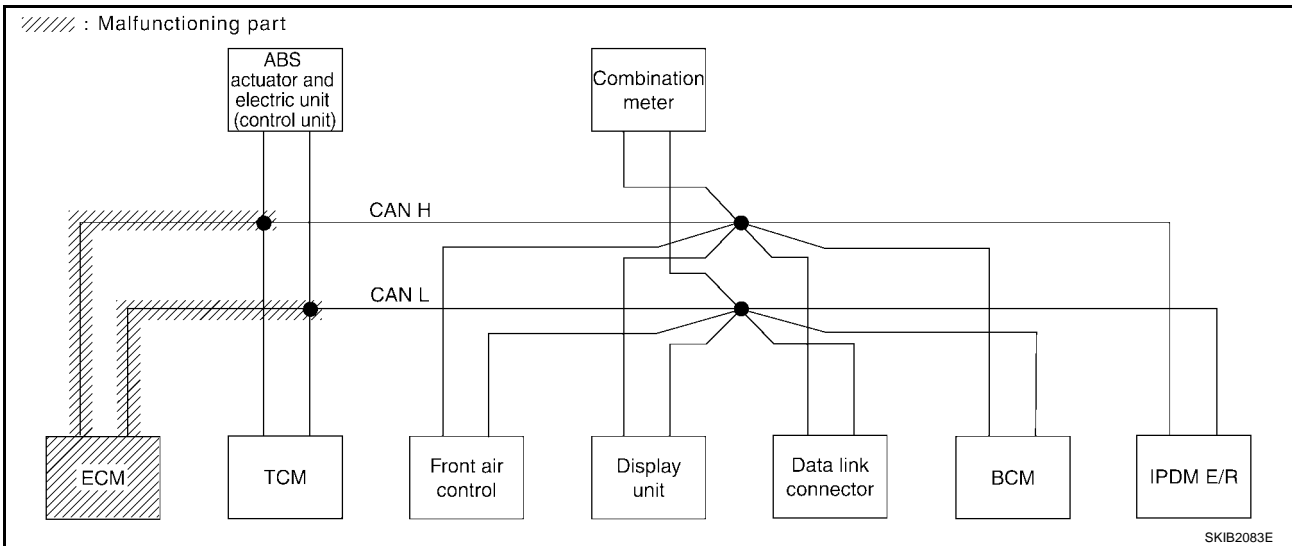
[CAN]

Case 2

Check ECM circuit. Refer to [LAN-117, "ECM Circuit Inspection"](#) .

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

SKIB6687E



SKIB2083E

CAN SYSTEM (TYPE 2)

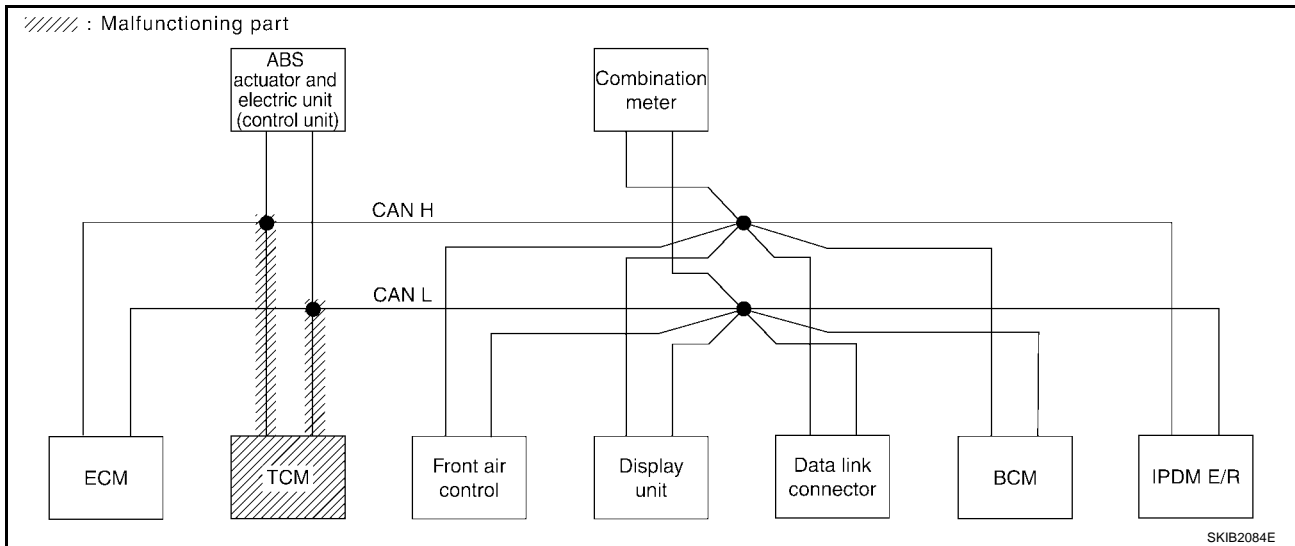
[CAN]

Case 3

Check TCM circuit. Refer to [LAN-117, "TCM Circuit Inspection"](#) .

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

SKIB6688E



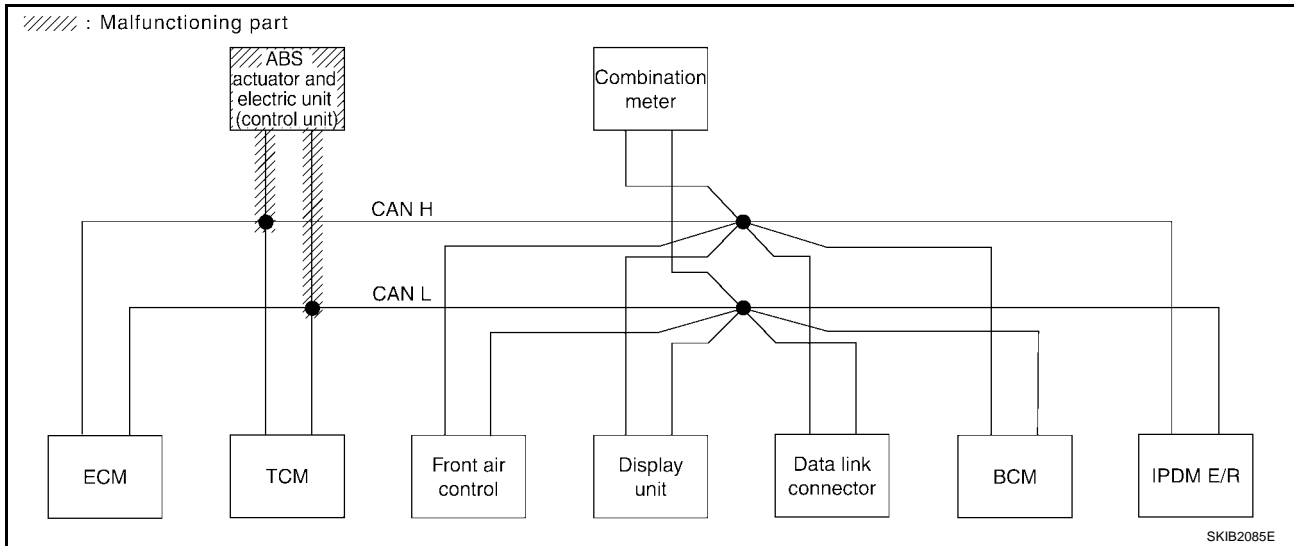
SKIB2084E

Case 4

Check ABS actuator and electric unit (control unit) circuit. Refer to [LAN-118, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R		
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN ✓	—	—	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000) ✓	CAN COMM CIRCUIT (U1001) ✓
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN ✓	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000) ✓	—
ABS	—	NG	UNKWN ✓	UNKWN	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000) ✓	—
HVAC	No indication	—	UNKWN	UNKWN	—	UNKWN ✓	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000) ✓	—
Display unit	—	NG	UNKWN	UNKWN	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	—	—
BCM	No indication	NG	UNKWN	UNKWN	—	—	—	—	—	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000) ✓	—
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000) ✓	—

SKIB6689E



CAN SYSTEM (TYPE 2)

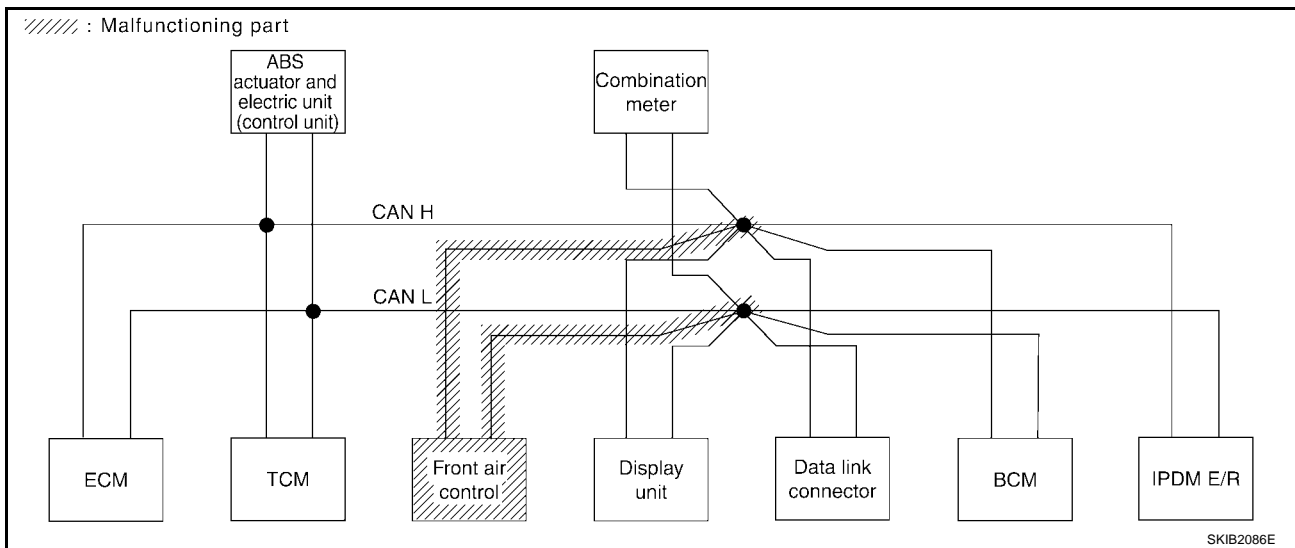
[CAN]

Case 5

Check front air control circuit. Refer to [LAN-119, "Front Air Control Circuit Inspection"](#) .

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

SKIB6690E



SKIB2086E

CAN SYSTEM (TYPE 2)

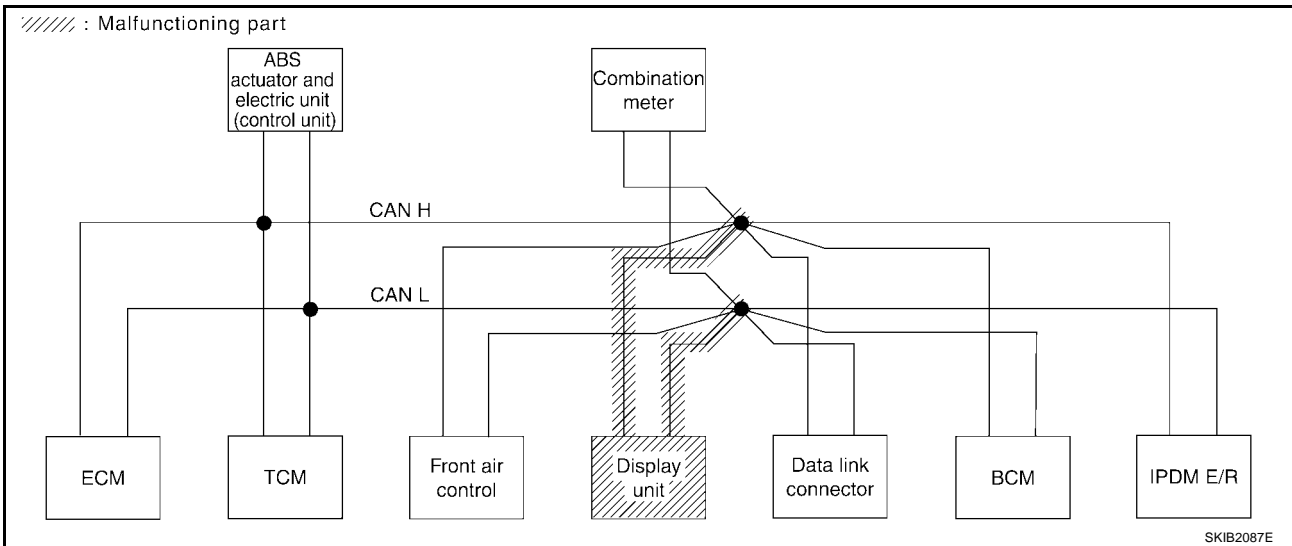
[CAN]

Case 6

Check display unit circuit. Refer to [LAN-120, "Display Unit Circuit Inspection"](#) .

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

SKIB6691E



SKIB2087E

CAN SYSTEM (TYPE 2)

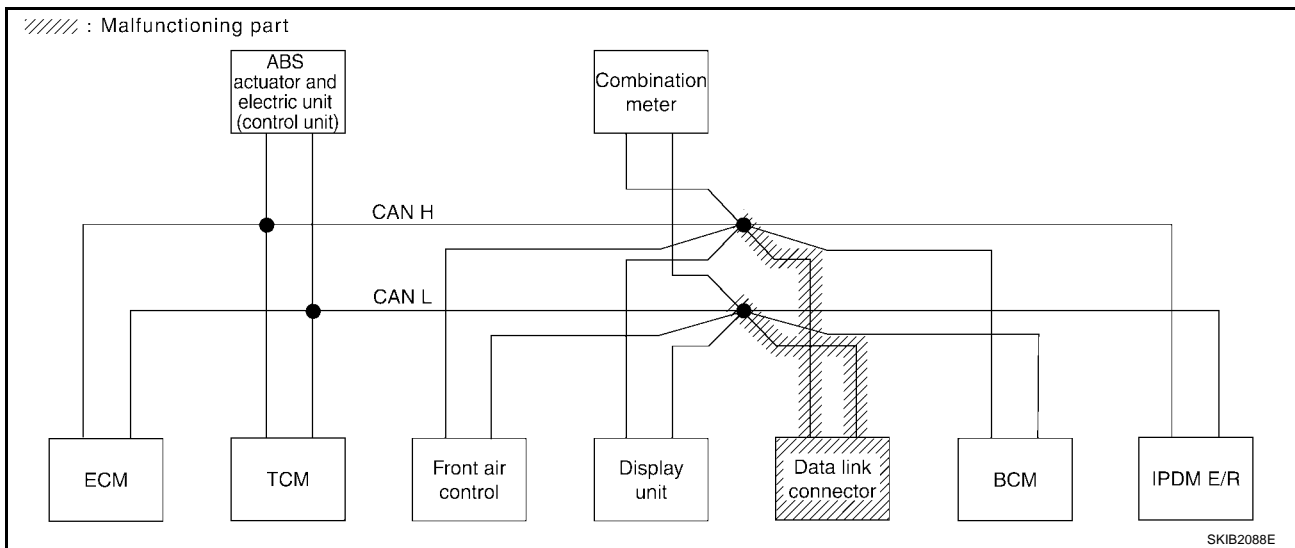
[CAN]

Case 7

Check data link connector circuit. Refer to [LAN-121, "Data Link Connector Circuit Inspection"](#) .

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

SKIB6692E



SKIB2088E

CAN SYSTEM (TYPE 2)

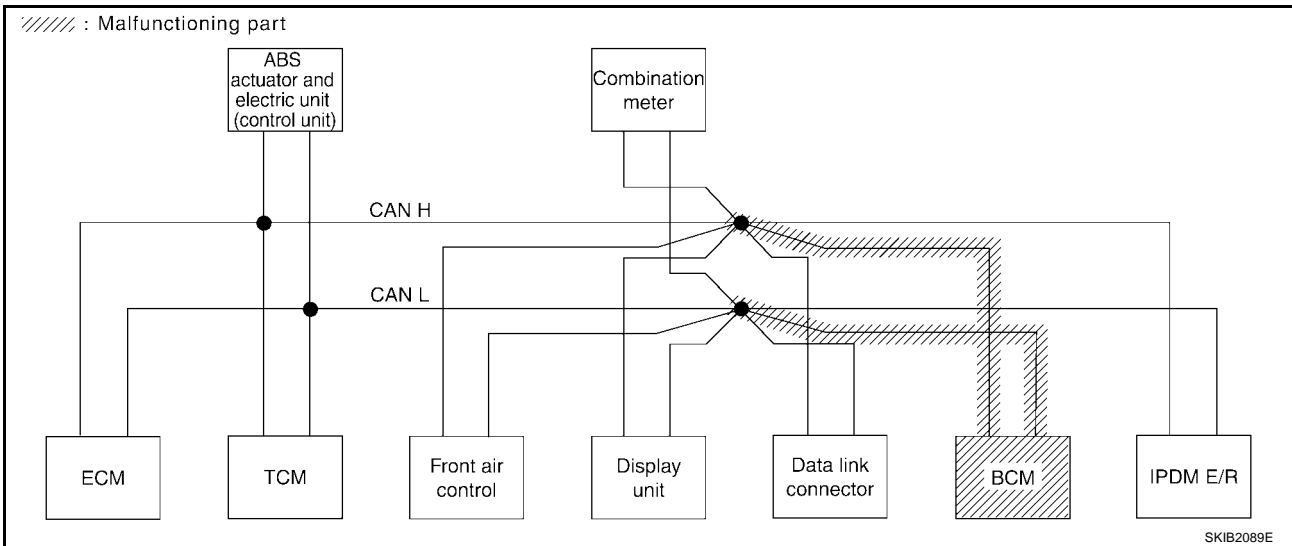
[CAN]

Case 8

Check BCM circuit. Refer to [LAN-121, "BCM Circuit Inspection"](#).

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

SKIB6693E



SKIB2089E

CAN SYSTEM (TYPE 2)

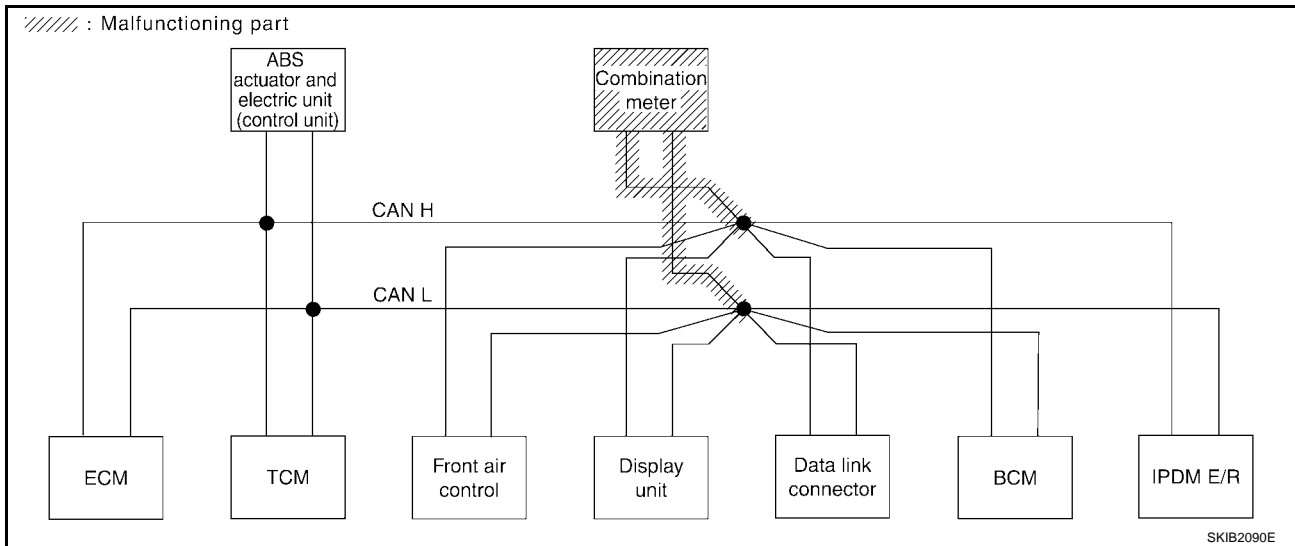
[CAN]

Case 9

Check combination meter circuit. Refer to [LAN-122, "Combination Meter Circuit Inspection"](#).

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

SKIB6694E



SKIB2090E

CAN SYSTEM (TYPE 2)

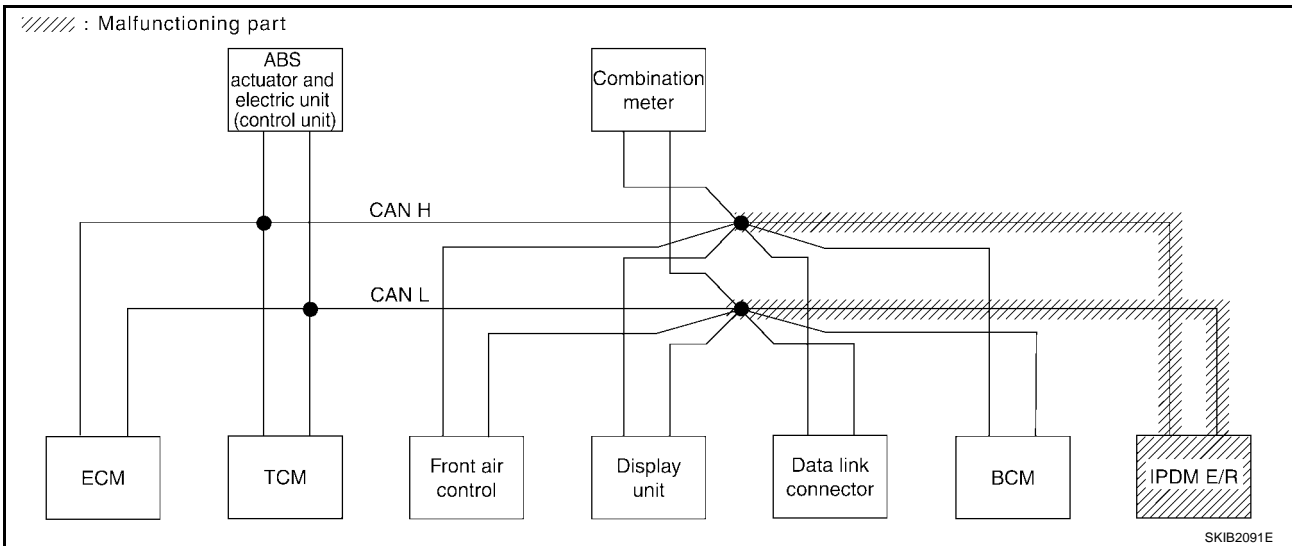
[CAN]

Case 10

Check IPDM E/R circuit. Refer to [LAN-124, "IPDM E/R Circuit Inspection"](#) .

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

SKIB6695E



CAN SYSTEM (TYPE 2)

[CAN]

Case 11

Check CAN communication circuit. Refer to [LAN-124, "CAN Communication Circuit Inspection"](#) .

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

SKIB6696E

Case 12

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to [LAN-126, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R		
ENGINE	—	—	UNKW N	—	UNKW N	UNKW N	—	—	UNKW N	UNKW N	UNKW N	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
TRANSMISSION	No ✓ indication	NG	UNKW N	UNKW N	—	UNKW N	—	—	—	UNKW N	—	CAN COMM CIRCUIT (U1000)	—
ABS	—	NG	UNKW N	UNKW N	UNKW N	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—
HVAC	No ✓ indication	—	UNKW N	UNKW N	—	UNKW N	—	UNKW N	UNKW N	—	—	CAN COMM CIRCUIT (U1000)	—
Display unit	—	NG	UNKW N	UNKW N	—	—	UNKW N	—	UNKW N	UNKW N	UNKW N	—	—
BCM	No ✓ indication	NG	UNKW N	UNKW N	—	—	—	—	—	UNKW N	UNKW N	CAN COMM CIRCUIT (U1000)	—
IPDM E/R	No ✓ indication	—	UNKW N	UNKW N	—	—	—	—	UNKW N	—	—	CAN COMM CIRCUIT (U1000)	—

SKIB6697E

CAN SYSTEM (TYPE 2)

[CAN]

Case 13

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to [LAN-126, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
TRANSMISSION	No indication	NG	UNKWN	—	—	UNKWN	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
ABS	—	NG	UNKWN	—	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
HVAC	No indication	—	UNKWN	UNKWN	—	UNKWN	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	
Display unit	—	NG	UNKWN	UNKWN	—	—	UNKWN	—	UNKWN	UNKWN	UNKWN	—	—	
BCM	No indication	NG	UNKWN	UNKWN	—	—	—	—	—	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	—	
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	

SKIB6698E

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CAN SYSTEM (TYPE 3)

PFP:23710

Component Parts and Harness Connector Location

UKS004LE

Refer to [LAN-24, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS004LF

Refer to [LAN-25, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004LG

Refer to [LAN-26, "Wiring Diagram — CAN —"](#) .

CAN SYSTEM (TYPE 3)

[CAN]

UKS004LH

Check Sheet

NOTE:

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR										SELF-DIAG RESULTS		
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000)	—	
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
HVAC	No indication	—	UNKWN	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)	—	
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/SEC	CAN CIRC 7	IPDM E/R
CAN CIRC 3	ECM	CAN CIRC 8	—
CAN CIRC 4	Front air control	CAN CIRC 9	—

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

SKIB6699E

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LAN

CAN SYSTEM (TYPE 3)

[CAN]

Attach copy of
ENGINE
SELF-DIAG RESULTS

Attach copy of
A/T
SELF-DIAG RESULTS

Attach copy of
ABS
SELF-DIAG RESULTS

Attach copy of
HVAC
SELF-DIAG RESULTS

Attach copy of
BCM
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
ABS
CAN DIAG SUPPORT
MNTR

Attach copy of
HVAC
CAN DIAG SUPPORT
MNTR

Attach copy of
BCM
CAN DIAG SUPPORT
MNTR

Attach copy of
IPDM E/R
CAN DIAG SUPPORT
MNTR

SKIB6670E

CAN SYSTEM (TYPE 3)

[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

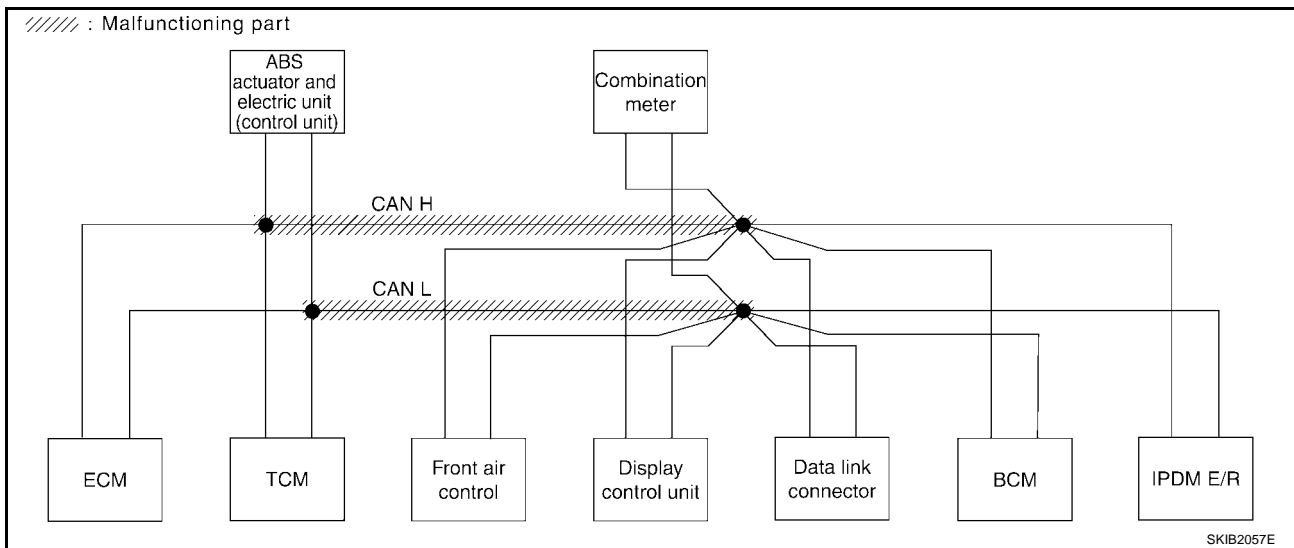
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and data link connector. Refer to [LAN-116, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R					
ENGINE	—	—	UNKW N	—	UNKW N	UNKW N	—	—	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
TRANSMISSION	No indication	NG	UNKW N	UNKW N	—	UNKW N	—	—	—	—	UNKW N	—	—	—	CAN COMM CIRCUIT (U1000)	—
ABS	—	NG	UNKW N	UNKW N	UNKW N	—	—	—	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—
HVAC	No indication	—	UNKW N	UNKW N	—	UNKW N	—	UNKW N	UNKW N	UNKW N	—	—	—	—	CAN COMM CIRCUIT (U1000)	—
Display control unit	—	NG	UNKW N	UNKW N	—	—	UNKW N	—	UNKW N	UNKW N	UNKW N	UNKW N	UNKW N	—	—	—
BCM	No indication	NG	UNKW N	UNKW N	—	—	—	—	—	—	UNKW N	UNKW N	UNKW N	—	CAN COMM CIRCUIT (U1000)	—
IPDM E/R	No indication	—	UNKW N	UNKW N	—	—	—	—	—	UNKW N	—	—	—	—	CAN COMM CIRCUIT (U1000)	—

SKIB6701E



CAN SYSTEM (TYPE 3)

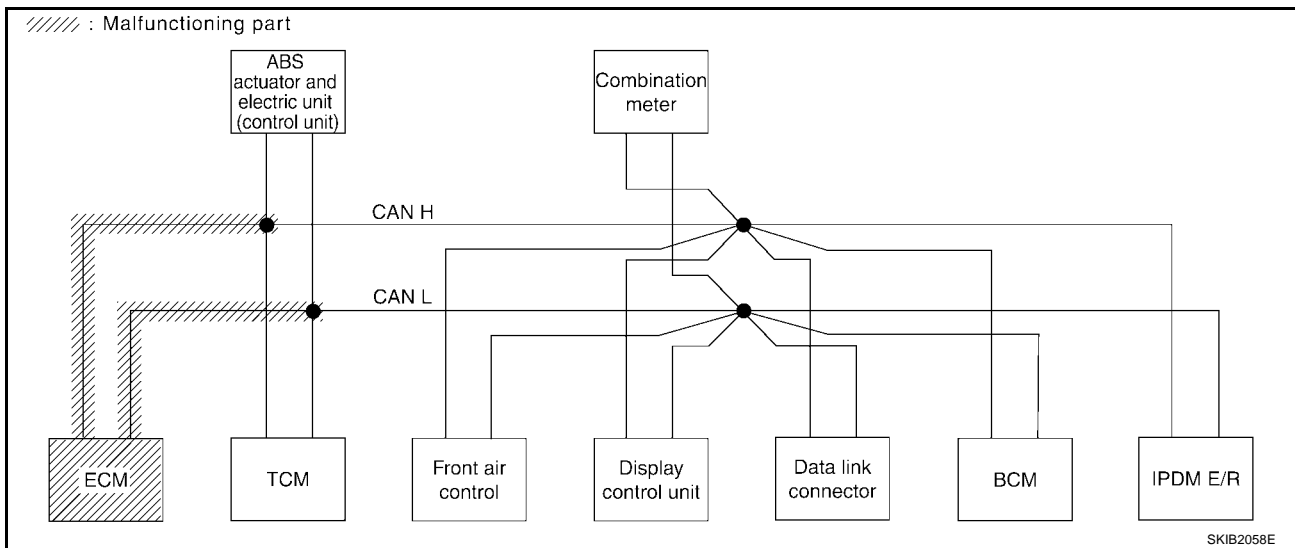
[CAN]

Case 2

Check ECM circuit. Refer to [LAN-117, "ECM Circuit Inspection"](#) .

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

SKIB6702E



SKIB2058E

CAN SYSTEM (TYPE 3)

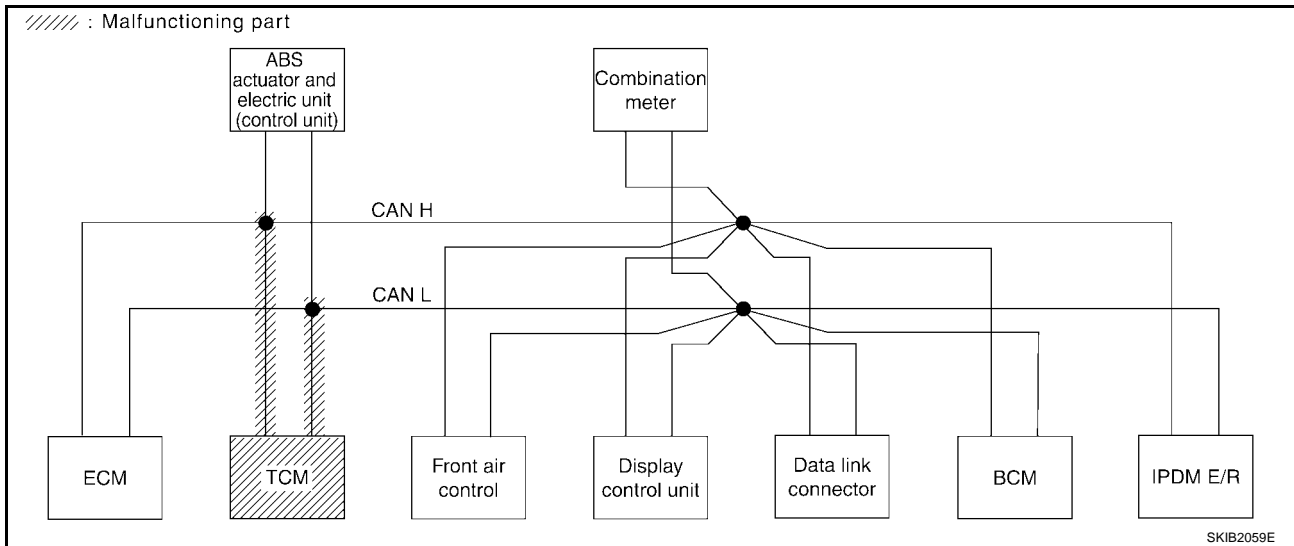
[CAN]

Case 3

Check TCM circuit. Refer to [LAN-117, "TCM Circuit Inspection"](#) .

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

SKIB6704E



SKIB2059E

CAN SYSTEM (TYPE 3)

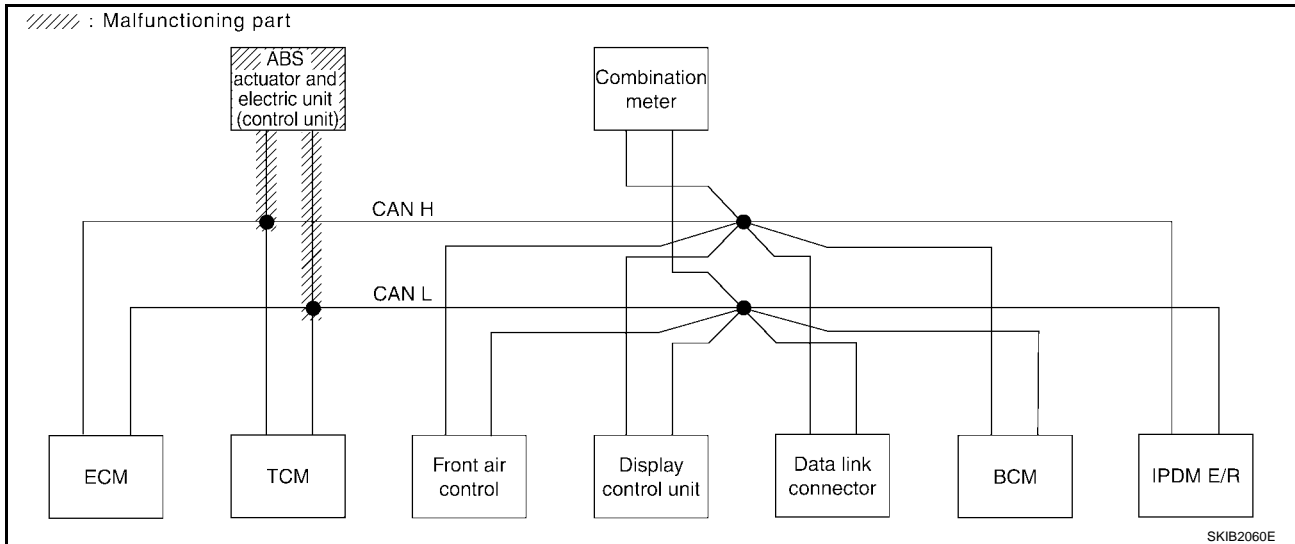
[CAN]

Case 4

Check ABS actuator and electric unit (control unit) circuit. Refer to [LAN-118, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN ✓	—	—	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001) ✓	
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN ✓	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000) ✓	—	
ABS	—	NG	UNKWN ✓	UNKWN	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000) ✓	—	
HVAC	No indication	—	UNKWN	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)	—	
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	

SKIB6705E



SKIB2060E

CAN SYSTEM (TYPE 3)

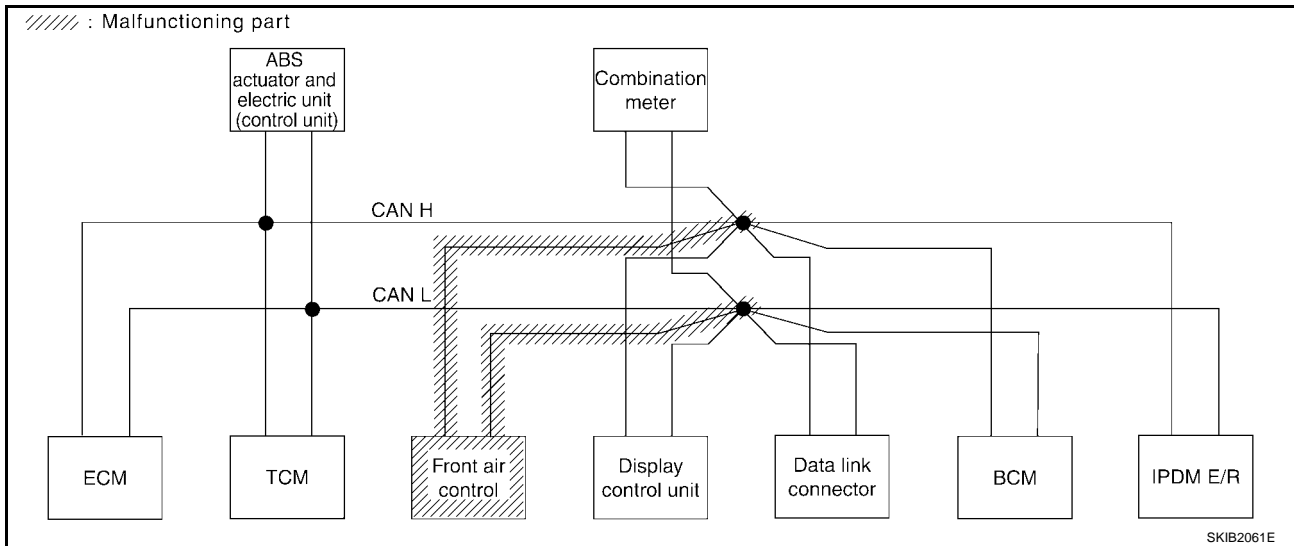
[CAN]

Case 5

Check front air control circuit. Refer to [LAN-119, "Front Air Control Circuit Inspection"](#) .

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

SKIB6706E



SKIB2061E

CAN SYSTEM (TYPE 3)

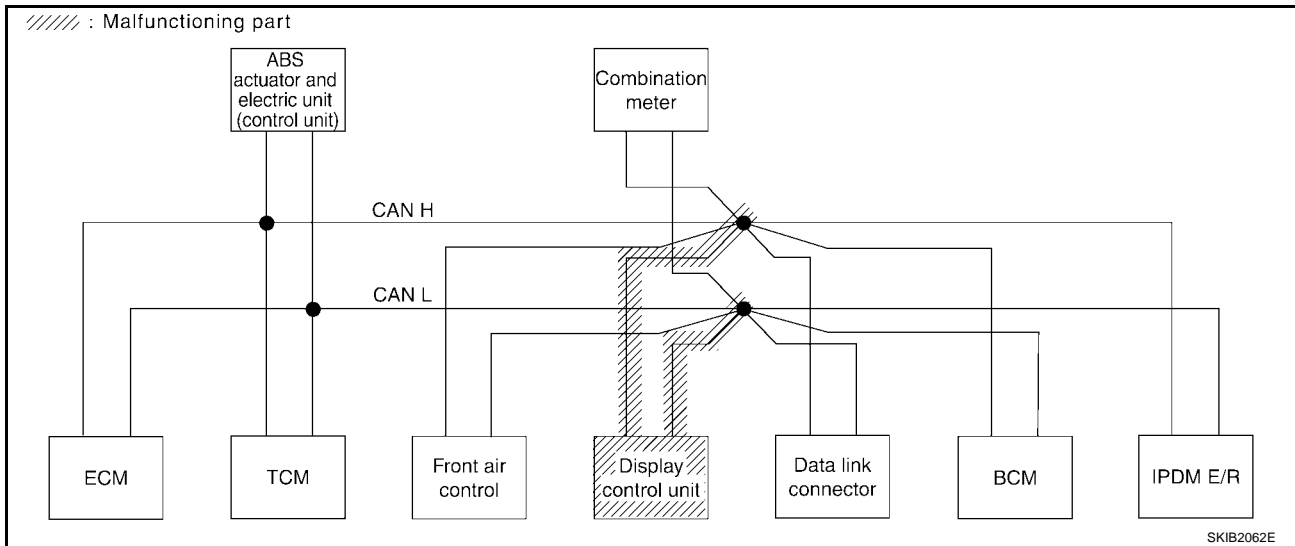
[CAN]

Case 6

Check display control unit circuit. Refer to [LAN-120, "Display Control Unit Circuit Inspection"](#) .

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

SKIB6707E



SKIB2062E

CAN SYSTEM (TYPE 3)

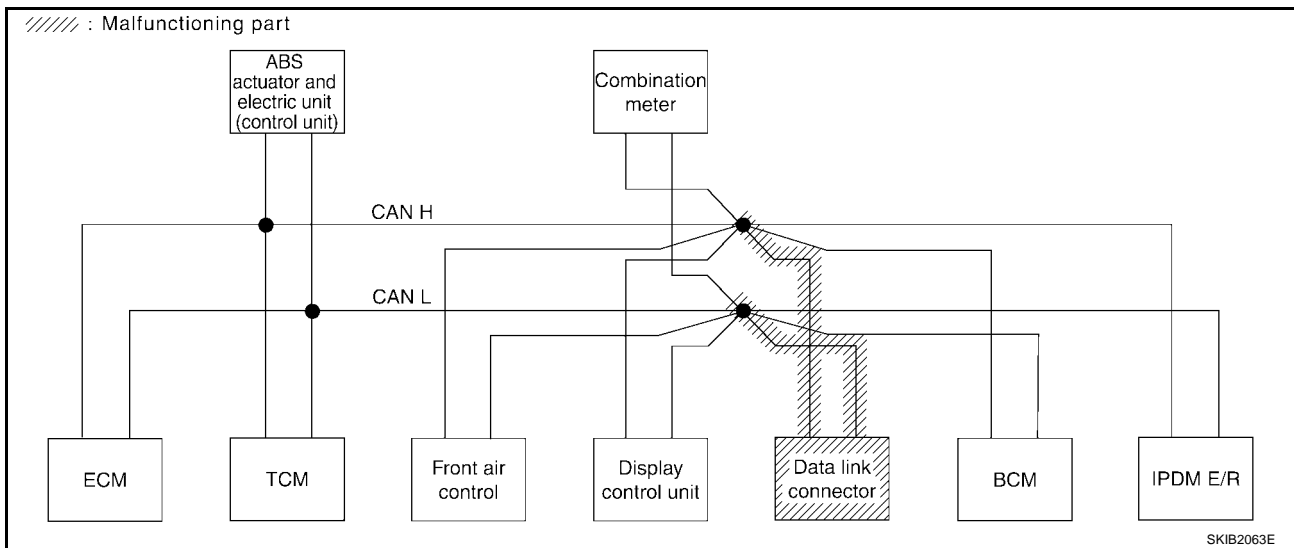
[CAN]

Case 7

Check data link connector circuit. Refer to [LAN-121, "Data Link Connector Circuit Inspection"](#) .

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

SKIB6708E



CAN SYSTEM (TYPE 3)

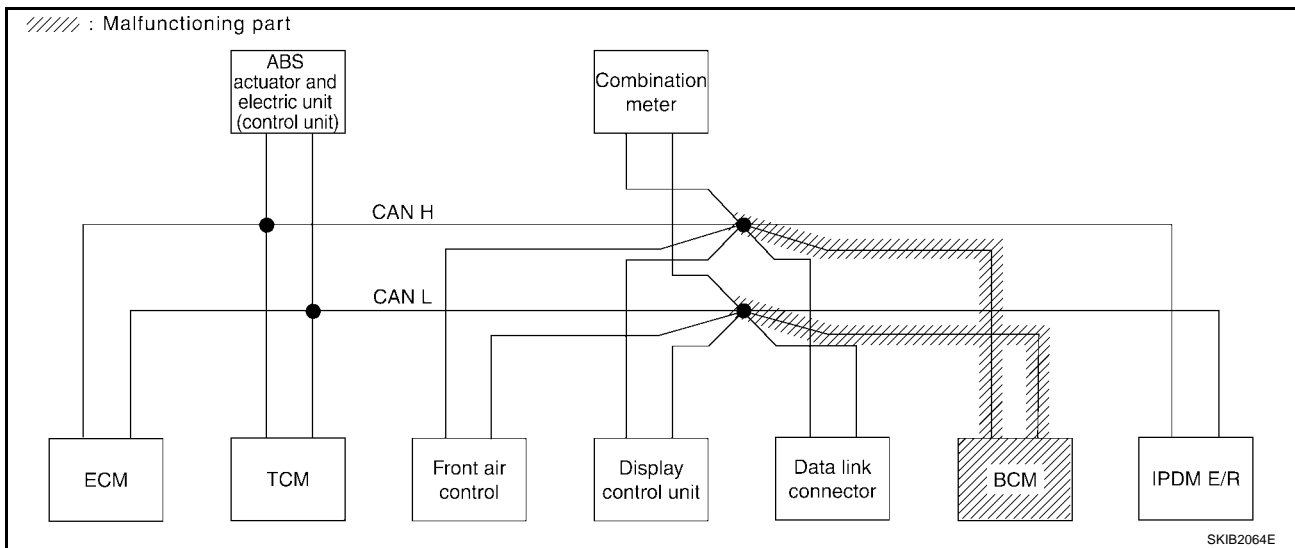
[CAN]

Case 8

Check BCM circuit. Refer to [LAN-121, "BCM Circuit Inspection"](#) .

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

SKIB6709E



SKIB2064E

CAN SYSTEM (TYPE 3)

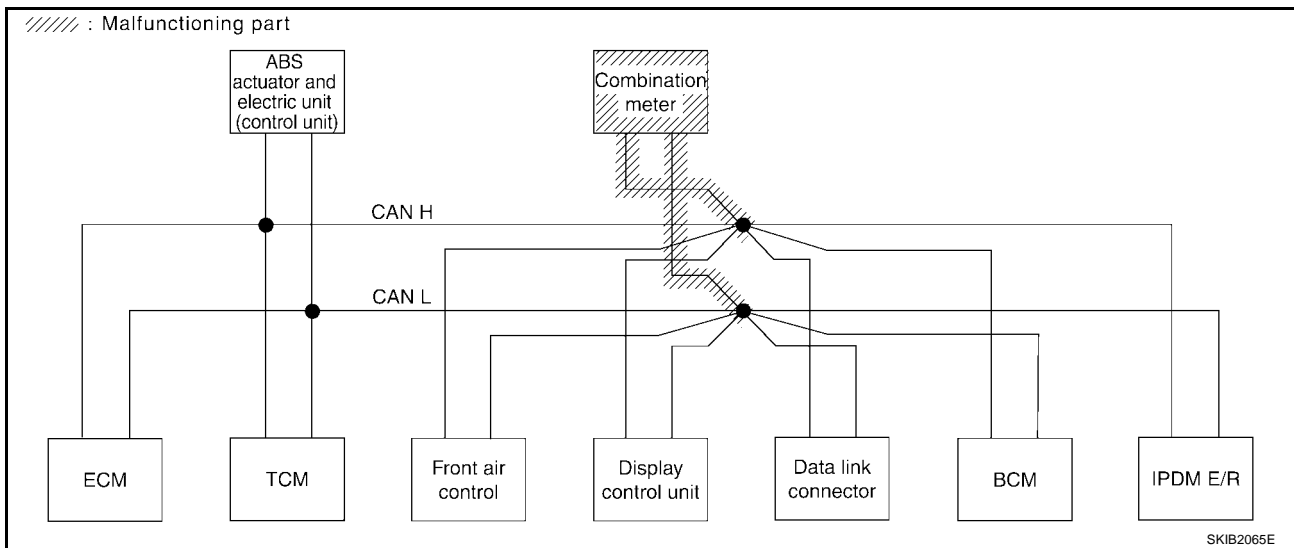
[CAN]

Case 9

Check combination meter circuit. Refer to [LAN-122, "Combination Meter Circuit Inspection"](#) .

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

SKIB6710E



CAN SYSTEM (TYPE 3)

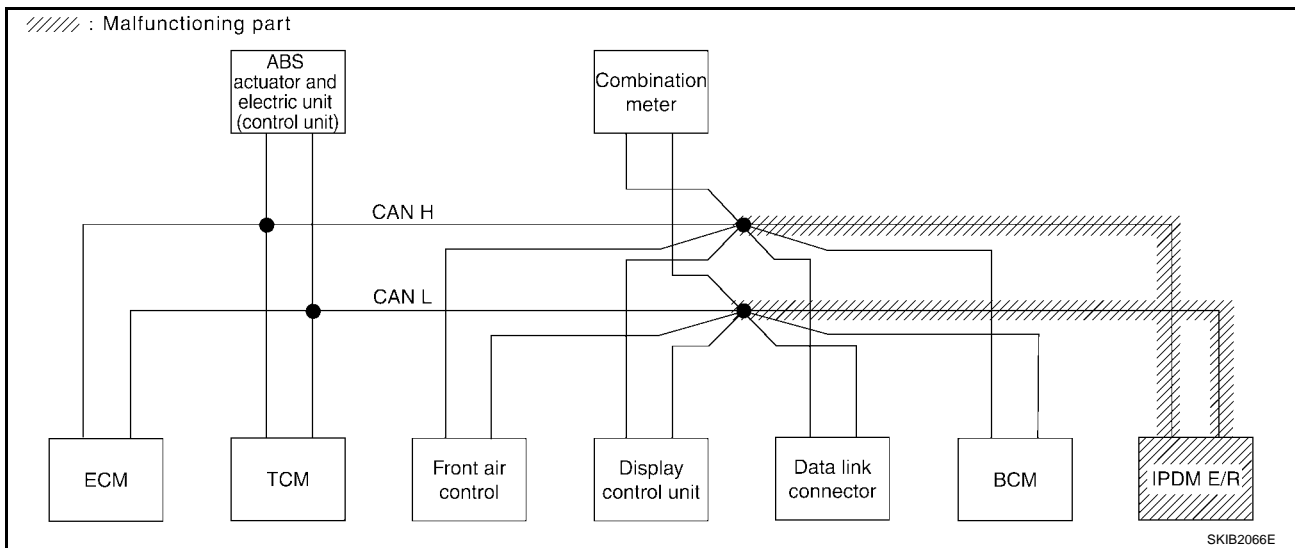
[CAN]

Case 10

Check IPDM E/R circuit. Refer to [LAN-124, "IPDM E/R Circuit Inspection"](#) .

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

SKIB6711E



SKIB2066E

CAN SYSTEM (TYPE 3)

[CAN]

Case 11

Check CAN communication circuit. Refer to [LAN-124, "CAN Communication Circuit Inspection"](#) .

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

SKIB6712E

Case 12

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to [LAN-126, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R		
ENGINE	—	—	UNKW N	—	UNKW N	UNKW N	—	—	UNKW N	UNKW N	UNKW N	CAN COMM CIRCUIT (U1000) ✓	CAN COMM CIRCUIT (U1001) ✓
TRANSMISSION	No indication ✓	NG	UNKW N	UNKW N	—	UNKW N	—	—	—	UNKW N	—	CAN COMM CIRCUIT (U1000) ✓	—
ABS	—	NG	UNKW N	UNKW N	UNKW N	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000) ✓	—
HVAC	No indication ✓	—	UNKW N	UNKW N	—	UNKW N	—	UNKW N	UNKW N	—	—	CAN COMM CIRCUIT (U1000) ✓	—
Display control unit	—	NG	UNKW N	UNKW N	—	—	UNKW N	—	UNKW N	UNKW N	UNKW N	—	—
BCM	No indication ✓	NG	UNKW N	UNKW N	—	—	—	—	—	UNKW N	UNKW N	CAN COMM CIRCUIT (U1000) ✓	—
IPDM E/R	No indication ✓	—	UNKW N	UNKW N	—	—	—	—	UNKW N	—	—	CAN COMM CIRCUIT (U1000) ✓	—

SKIB6713E

CAN SYSTEM (TYPE 3)

[CAN]

Case 13

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to [LAN-126, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
TRANSMISSION	No indication	NG	UNKWN	—	—	UNKWN	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
ABS	—	NG	UNKWN	—	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
HVAC	No indication	—	UNKWN	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)	—	
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	

SKIB6714E

CAN SYSTEM (TYPE 4)

[CAN]

CAN SYSTEM (TYPE 4)

PF:23710

Component Parts and Harness Connector Location

UKS004LI

A

Refer to [LAN-24, "Component Parts and Harness Connector Location"](#) .

Schematic

UKS004LJ

B

Refer to [LAN-25, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004LK

C

Refer to [LAN-26, "Wiring Diagram — CAN —"](#) .

D

E

F

G

H

I

J

LAN

L

M

CAN SYSTEM (TYPE 4)

[CAN]

UKS004LL

Check Sheet

NOTE:

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG	IPDM E/R		
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000)	—
HVAC	No indication	—	UNKWN	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)	—
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/SEC	CAN CIRC 7	IPDM E/R
CAN CIRC 3	ECM	CAN CIRC 8	—
CAN CIRC 4	Front air control	CAN CIRC 9	—

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

SKIB6715E

CAN SYSTEM (TYPE 4)

[CAN]

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

A
B
C
D
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J
LAN
L
M

SKIB6670E

CAN SYSTEM (TYPE 4)

[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

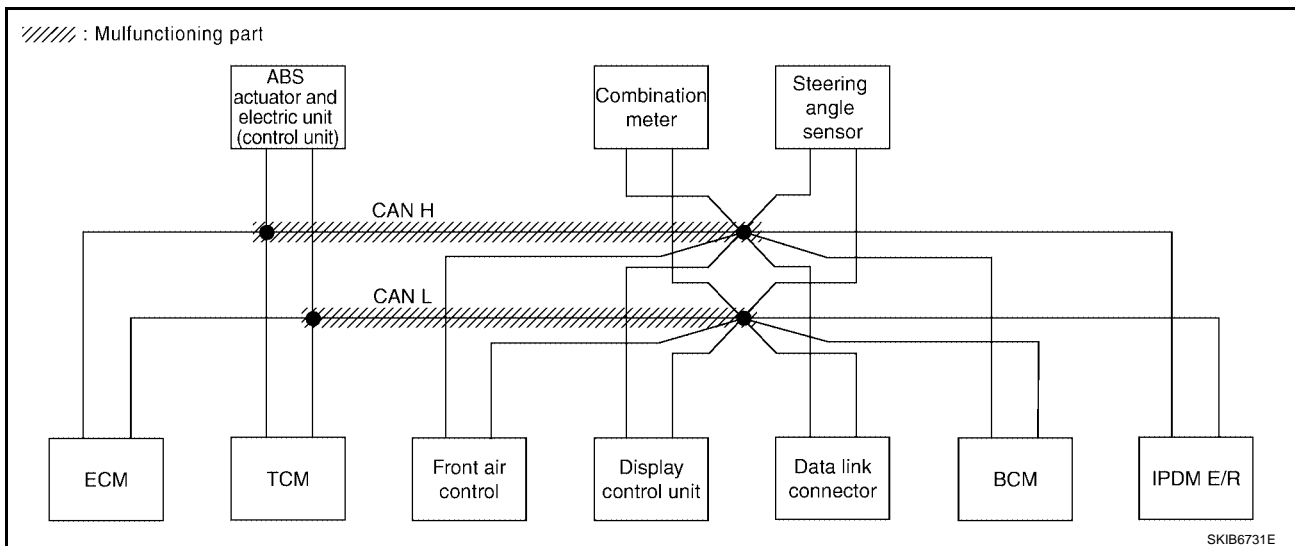
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and data link connector. Refer to [LAN-116, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	—	UNKWN	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
HVAC	No indication	—	UNKWN	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)	—
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	—	—	CAN COMM CIRCUIT (U1000)	—

SKIB6717E



CAN SYSTEM (TYPE 4)

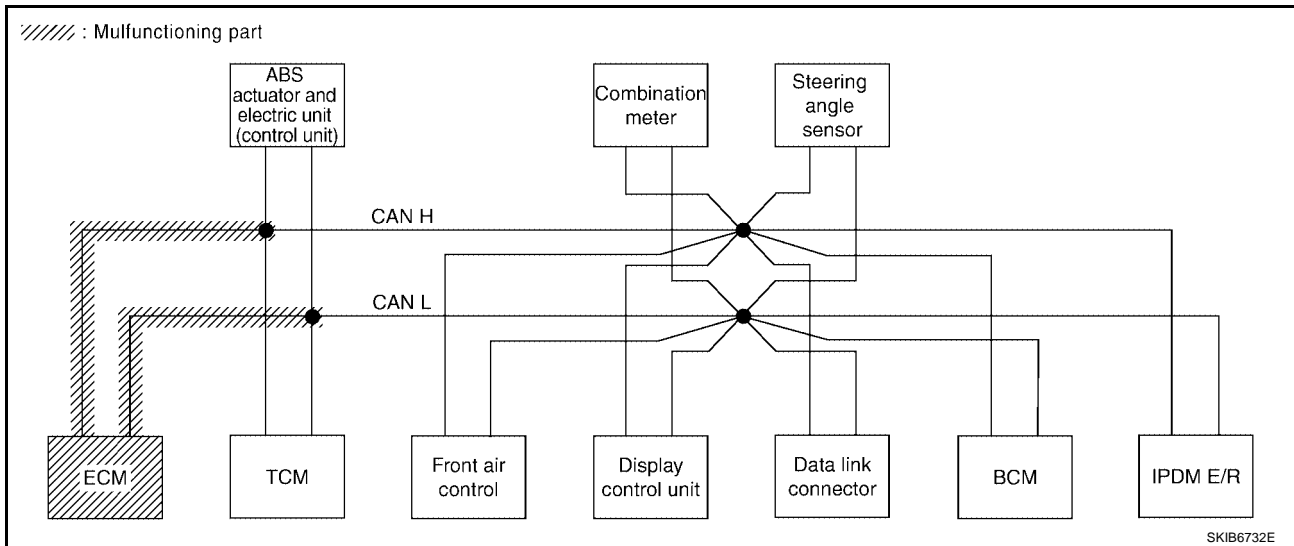
[CAN]

Case 2

Check ECM circuit. Refer to [LAN-117, "ECM Circuit Inspection"](#).

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

SKIB6718E



SKIB6732E

CAN SYSTEM (TYPE 4)

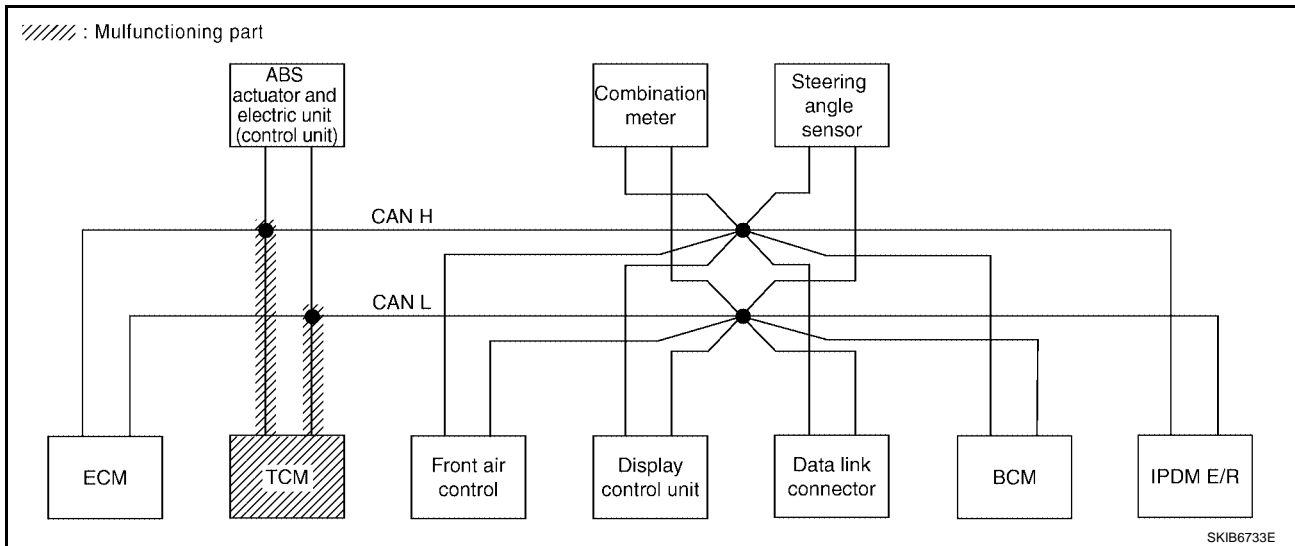
[CAN]

Case 3

Check TCM circuit. Refer to [LAN-117, "TCM Circuit Inspection"](#) .

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

SKIB6719E



SKIB6733E

CAN SYSTEM (TYPE 4)

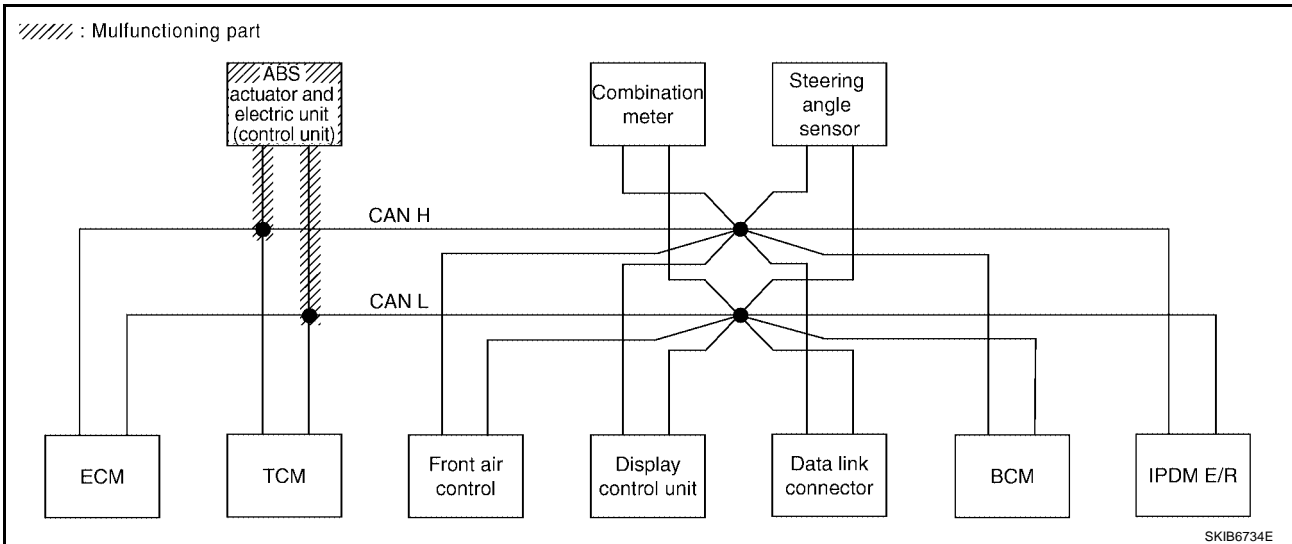
[CAN]

Case 4

Check ABS actuator and electric unit (control unit) circuit. Refer to [LAN-118, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG	IPDM E/R		
ENGINE	—	—	UNKWN	—	UNKWN	✓	—	—	UNKWN	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	✓	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
ABS	—	NG	✓	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000)	—
HVAC	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)	—
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	—	CAN COMM CIRCUIT (U1000)	—

SKIB6720E



SKIB6734E

CAN SYSTEM (TYPE 4)

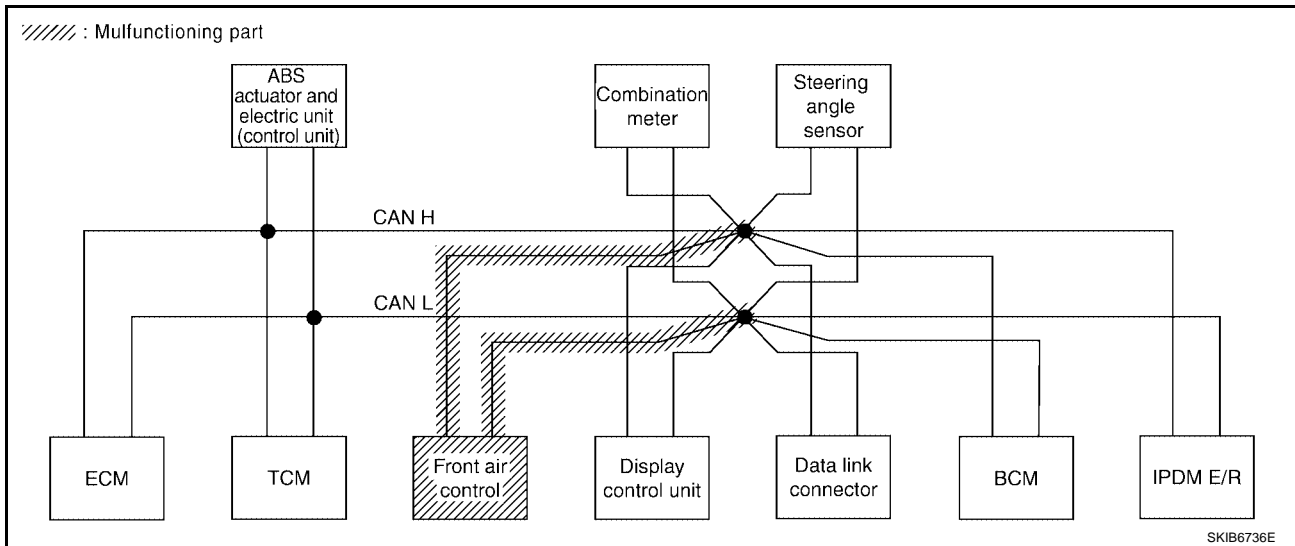
[CAN]

Case 5

Check front air control circuit. Refer to [LAN-119, "Front Air Control Circuit Inspection"](#) .

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

SKIB6721E



SKIB6736E

CAN SYSTEM (TYPE 4)

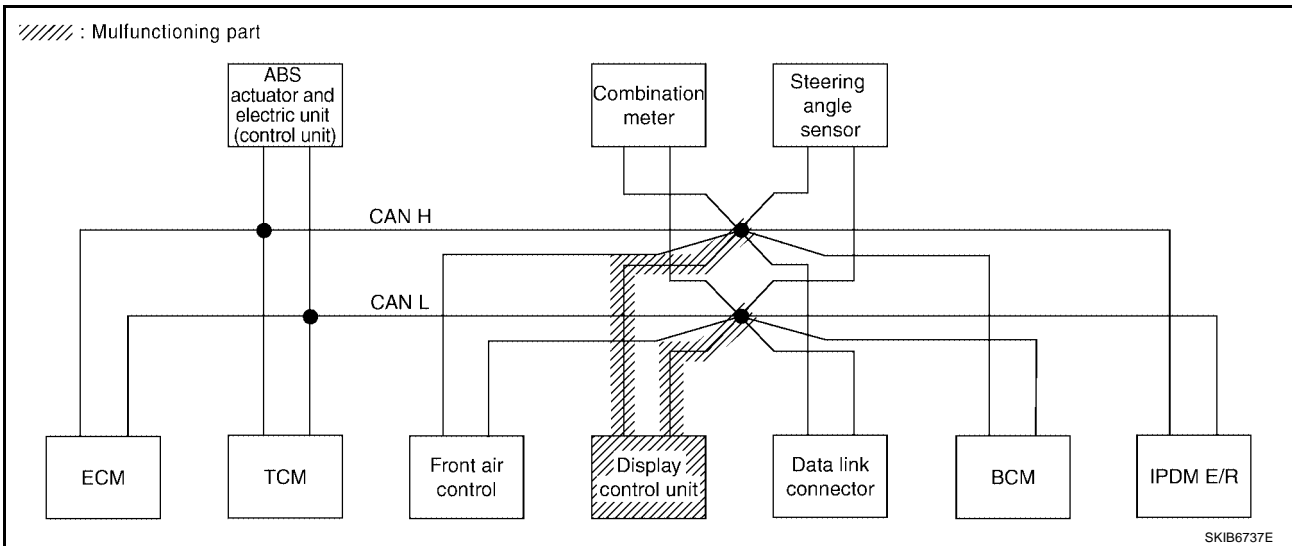
[CAN]

Case 6

Check display control unit circuit. Refer to [LAN-120, "Display Control Unit Circuit Inspection"](#) .

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

SKIB6722E



SKIB6737E

CAN SYSTEM (TYPE 4)

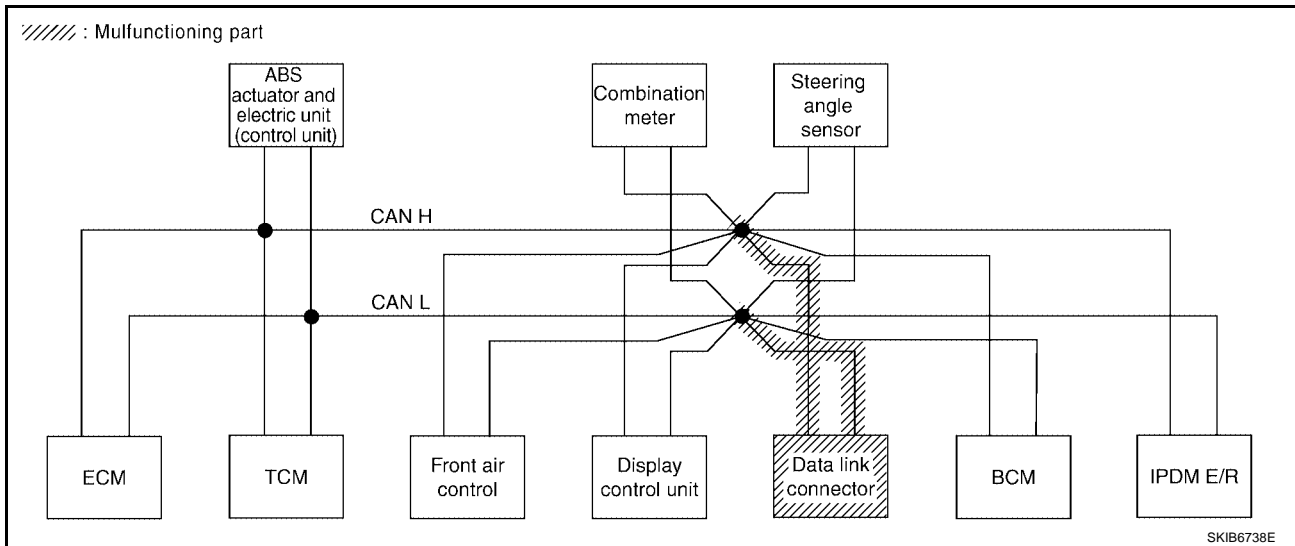
[CAN]

Case 7

Check data link connector circuit. Refer to [LAN-121, "Data Link Connector Circuit Inspection"](#) .

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

SKIB6723E



CAN SYSTEM (TYPE 4)

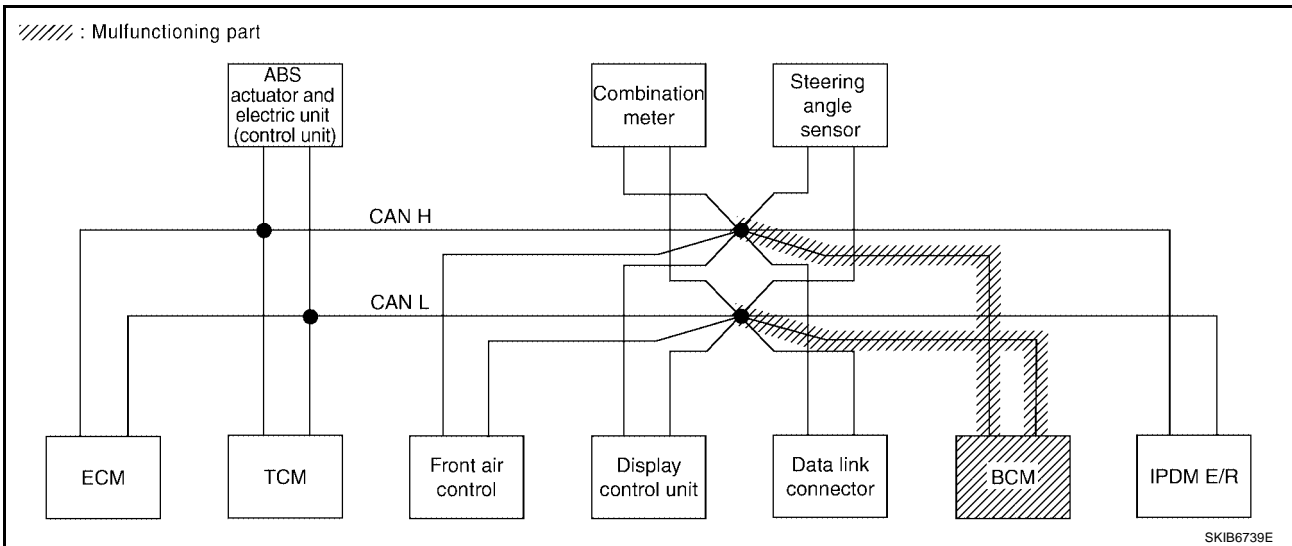
[CAN]

Case 8

Check BCM circuit. Refer to [LAN-121, "BCM Circuit Inspection"](#).

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

SKIB6724E



SKIB6739E

CAN SYSTEM (TYPE 4)

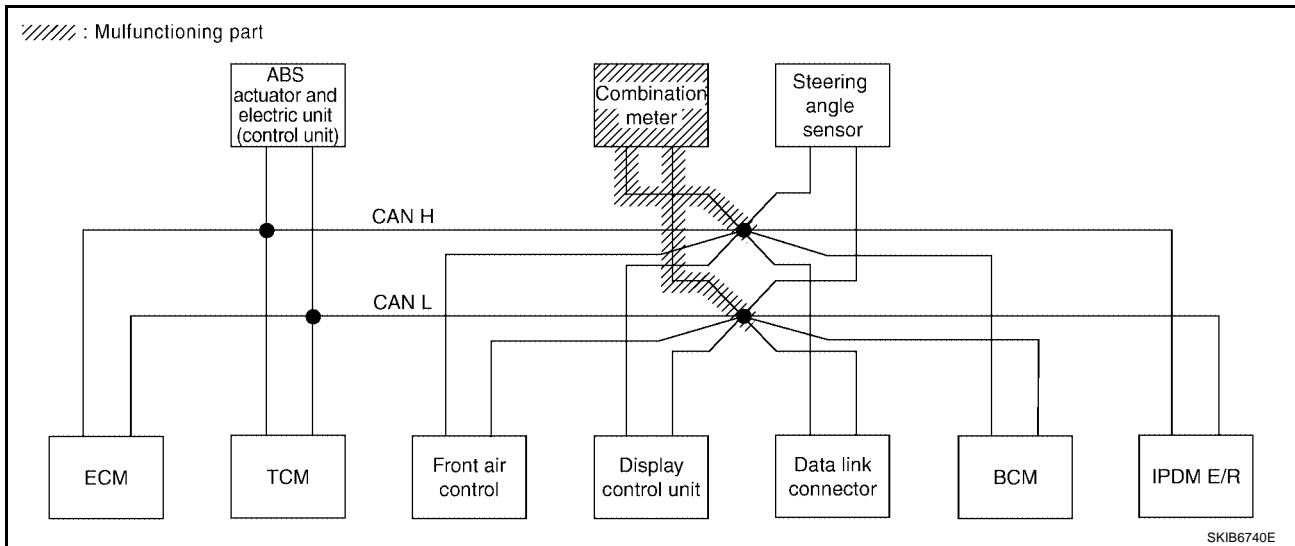
[CAN]

Case 9

Check combination meter circuit. Refer to [LAN-122, "Combination Meter Circuit Inspection"](#).

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

SKIB6725E



SKIB6740E

CAN SYSTEM (TYPE 4)

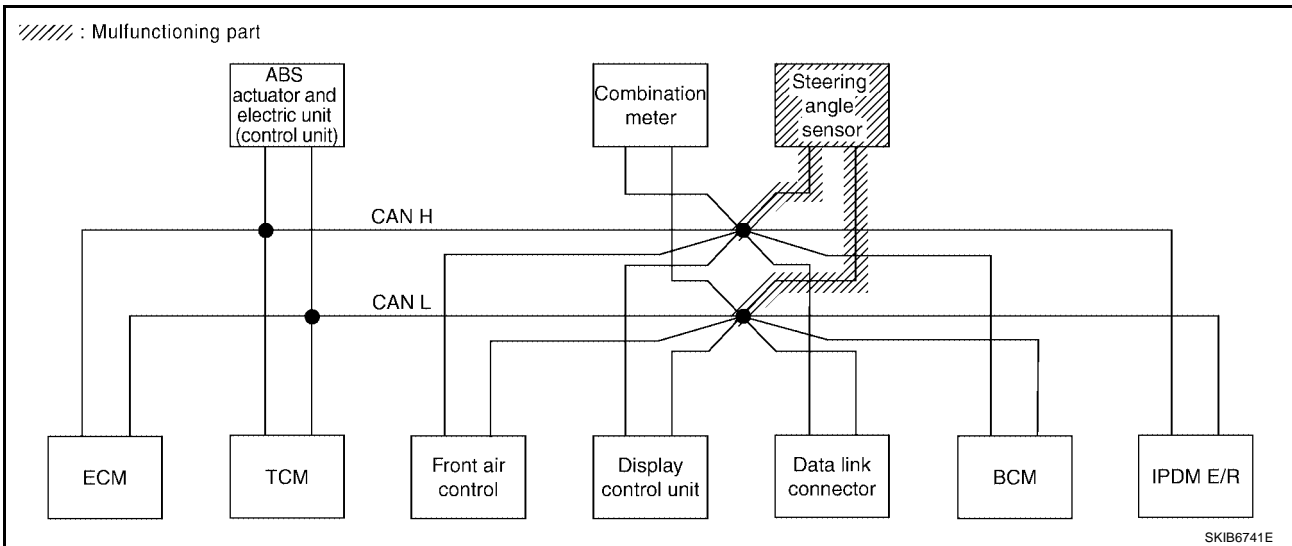
[CAN]

Case 10

Check steering angle sensor circuit. Refer to [LAN-122, "Steering Angle Sensor Circuit Inspection"](#) .

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

SKIB6726E



SKIB6741E

CAN SYSTEM (TYPE 4)

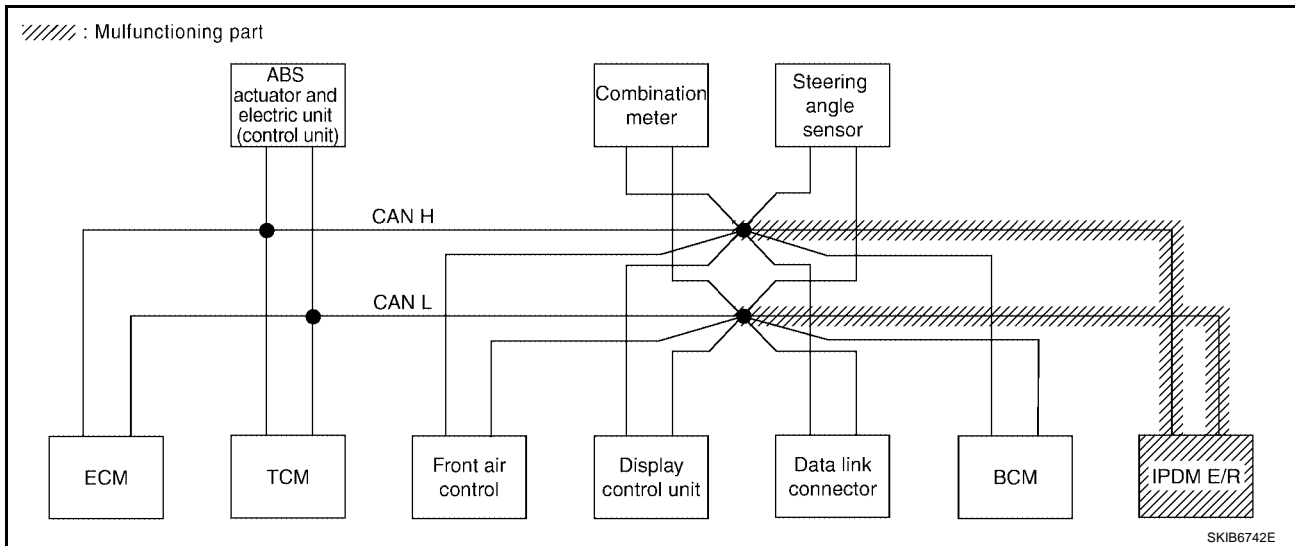
[CAN]

Case 11

Check IPDM E/R circuit. Refer to [LAN-124, "IPDM E/R Circuit Inspection"](#) .

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

SKIB6727E



SKIB6742E

CAN SYSTEM (TYPE 4)

[CAN]

Case 12

Check CAN communication circuit. Refer to [LAN-124, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG				
ENGINE	—	—	UNKW N	—	UNKW N	UNKW N	—	—	UNKW N	UNKW N	—	UNKW N	CAN COMM CIRCUIT (U1000) ✓	CAN COMM CIRCUIT (U1001) ✓	
TRANSMISSION	No indication ✓	NG	UNKW N	UNKW N	—	UNKW N	—	—	—	UNKW N	—	—	CAN COMM CIRCUIT (U1000) ✓	—	
ABS	—	NG	UNKW N	UNKW N	UNKW N	—	—	—	—	—	UNKW N	—	CAN COMM CIRCUIT (U1000) ✓	—	
HVAC	No indication ✓	—	UNKW N	UNKW N	—	UNKW N	—	UNKW N	UNKW N	—	—	—	CAN COMM CIRCUIT (U1000) ✓	—	
Display control unit	—	NG	—	UNKW N	—	—	UNKW N	—	UNKW N	UNKW N	—	UNKW N	—	—	
BCM	No indication ✓	NG	UNKW N	UNKW N	—	—	—	—	—	UNKW N	—	UNKW N	CAN COMM CIRCUIT (U1000) ✓	—	
IPDM E/R	No indication ✓	—	UNKW N	UNKW N	—	—	—	—	UNKW N	—	—	—	CAN COMM CIRCUIT (U1000) ✓	—	

SKIB6728E

Case 13

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to [LAN-126, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG				
ENGINE	—	—	UNKW N	—	UNKW N	UNKW N	—	—	UNKW N	UNKW N	—	UNKW N	CAN COMM CIRCUIT (U1000) ✓	CAN COMM CIRCUIT (U1001) ✓	
TRANSMISSION	No indication ✓	NG	UNKW N	UNKW N	—	UNKW N	—	—	—	UNKW N	—	—	CAN COMM CIRCUIT (U1000) ✓	—	
ABS	—	NG	UNKW N	UNKW N	UNKW N	—	—	—	—	—	UNKW N	—	CAN COMM CIRCUIT (U1000) ✓	—	
HVAC	No indication ✓	—	UNKW N	UNKW N	—	UNKW N	—	UNKW N	UNKW N	—	—	—	CAN COMM CIRCUIT (U1000) ✓	—	
Display control unit	—	NG	UNKW N	UNKW N	—	—	UNKW N	—	UNKW N	UNKW N	—	UNKW N	—	—	
BCM	No indication ✓	NG	UNKW N	UNKW N	—	—	—	—	—	UNKW N	—	UNKW N	CAN COMM CIRCUIT (U1000) ✓	—	
IPDM E/R	No indication ✓	—	UNKW N	UNKW N	—	—	—	—	UNKW N	—	—	—	CAN COMM CIRCUIT (U1000) ✓	—	

SKIB6729E

CAN SYSTEM (TYPE 4)

[CAN]

Case 14

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to [LAN-126, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
TRANSMISSION	No indication	NG	UNKWN	—	—	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
ABS	—	NG	UNKWN	—	UNKWN	—	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
HVAC	No indication	—	UNKWN	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)	—	
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	—	CAN COMM CIRCUIT (U1000)	—	

SKIB6730E

CAN SYSTEM (TYPE 5)

[CAN]

CAN SYSTEM (TYPE 5)

PF2:23710

Component Parts and Harness Connector Location

UKS004LM

A

Refer to [LAN-24, "Component Parts and Harness Connector Location"](#)

Schematic

UKS004LN

B

Refer to [LAN-25, "Schematic"](#) .

Wiring Diagram — CAN —

UKS004LO

C

Refer to [LAN-26, "Wiring Diagram — CAN —"](#) .

D

E

F

G

H

I

J

LAN

L

M

CAN SYSTEM (TYPE 5)

[CAN]

UKS004LP

Check Sheet

NOTE:

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

SELECT SYSTEM screen		CAN DIAG SUPPORT MNTR											SELF-DIAG RESULTS	
		Initial diagnosis	Transmit diagnosis	Receive diagnosis										
				ECM	TCM	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG	IPDM E/R		
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000)	—
HVAC	No indication	—	UNKWN	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)	—
AUTO DRIVE POS.	No indication	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/SEC	CAN CIRC 7	IPDM E/R
CAN CIRC 3	ECM	CAN CIRC 8	—
CAN CIRC 4	Front air control	CAN CIRC 9	—

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

SKIB6743E

CAN SYSTEM (TYPE 5)

[CAN]

Attach copy of ENGINE SELF-DIAG RESULTS	Attach copy of TRANSMISSION SELF-DIAG RESULTS	Attach copy of ABS SELF-DIAG RESULTS	Attach copy of HVAC SELF-DIAG RESULTS
Attach copy of BCM SELF-DIAG RESULTS	Attach copy of AUTO DRIVE POS. SELF-DIAG RESULTS	Attach copy of IPDM E/R SELF-DIAG RESULTS	
Attach copy of ENGINE CAN DIAG SUPPORT MNTR	Attach copy of TRANSMISSION CAN DIAG SUPPORT MNTR	Attach copy of ABS CAN DIAG SUPPORT MNTR	Attach copy of HVAC CAN DIAG SUPPORT MNTR
Attach copy of BCM CAN DIAG SUPPORT MNTR	Attach copy of AUTO DRIVE POS. CAN DIAG SUPPORT MNTR	Attach copy of IPDM E/R CAN DIAG SUPPORT MNTR	

A
B
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D
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H
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J
L
M

LAN

SKIB6744E

CAN SYSTEM (TYPE 5)

[CAN]

CHECK SHEET RESULTS (EXAMPLE)

NOTE:

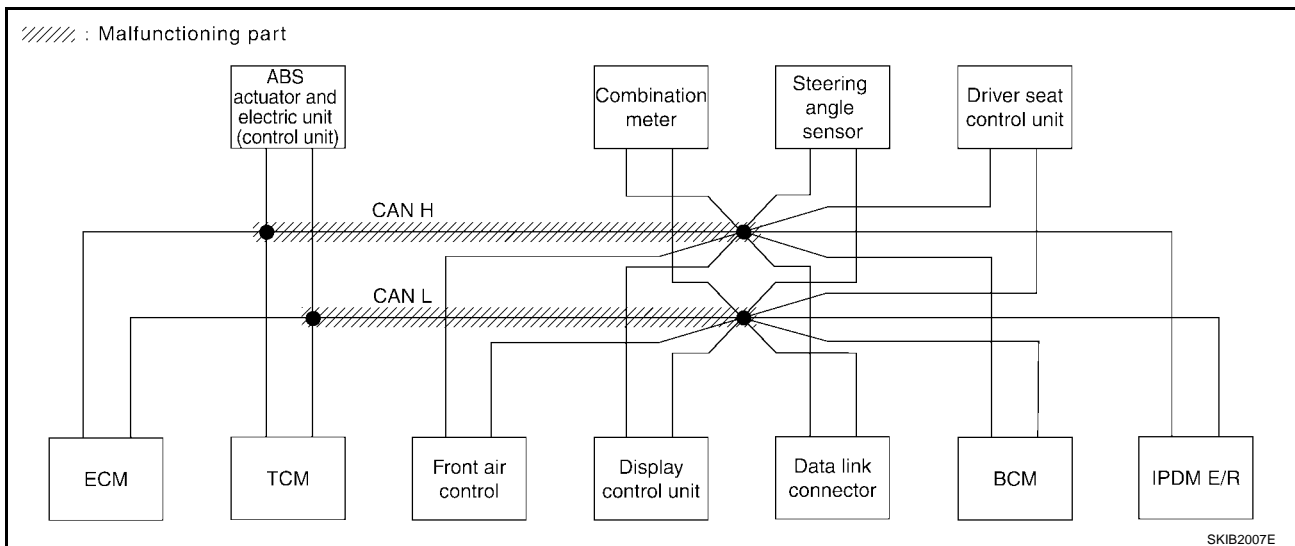
If a check mark is put on "NG" on "INITIAL DIAG (Initial diagnosis)", replace the control unit.

Case 1

Check harness between TCM and data link connector. Refer to [LAN-116, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	—	UNKWN	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
HVAC	No indication	—	UNKWN	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)	—
AUTO DRIVE POS.	No indication	NG	UNKWN	—	UNKWN	—	—	—	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	—	—	CAN COMM CIRCUIT (U1000)	—

SKIB6745E



CAN SYSTEM (TYPE 5)

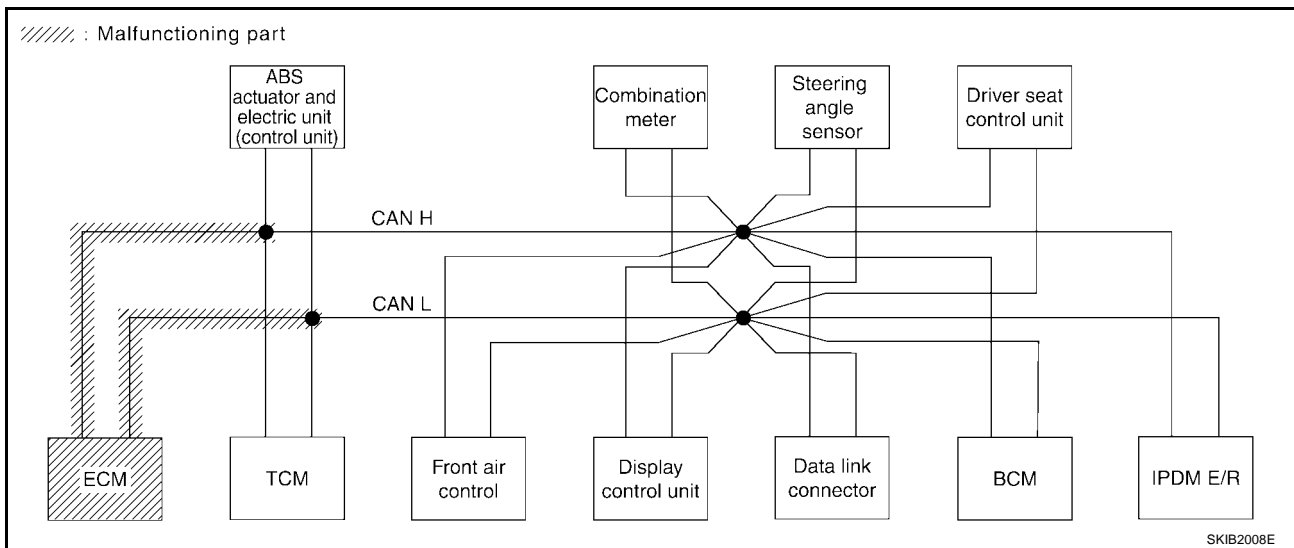
[CAN]

Case 2

Check ECM circuit. Refer to [LAN-117, "ECM 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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG	IPDM E/R				
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	—	UNKWN	✓	✓		
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN	—	—	—	UNKWN	—	—	✓	—		
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	✓	—		
HVAC	No indication	—	UNKWN	UNKWN	—	UNKWN	—	UNKWN	UNKWN	—	—	—	✓	—		
Display control unit	—	NG	UNKWN	UNKWN	—	—	UNKWN	—	UNKWN	UNKWN	—	UNKWN	—	—		
BCM	No indication	NG	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	UNKWN	✓	—		
AUTO DRIVE POS.	No indication	NG	UNKWN	—	UNKWN	—	—	—	UNKWN	UNKWN	—	—	✓	—		
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	—	✓	—		

SKIB6746E



SKIB2008E

CAN SYSTEM (TYPE 5)

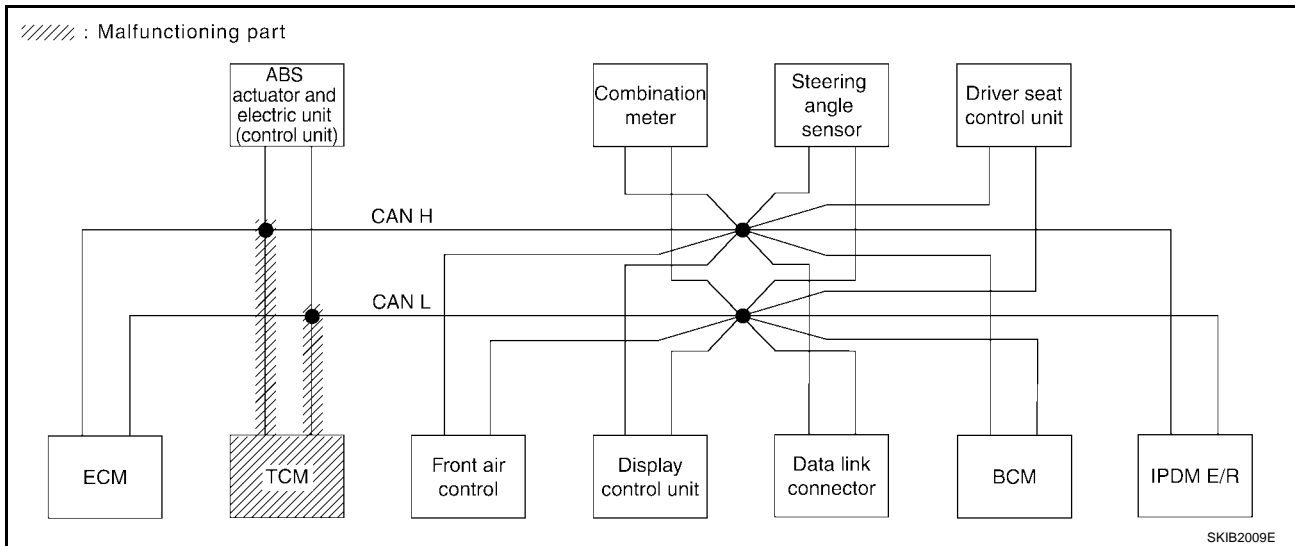
[CAN]

Case 3

Check TCM circuit. Refer to [LAN-117, "TCM Circuit Inspection"](#) .

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

SKIB6747E



SKIB2009E

CAN SYSTEM (TYPE 5)

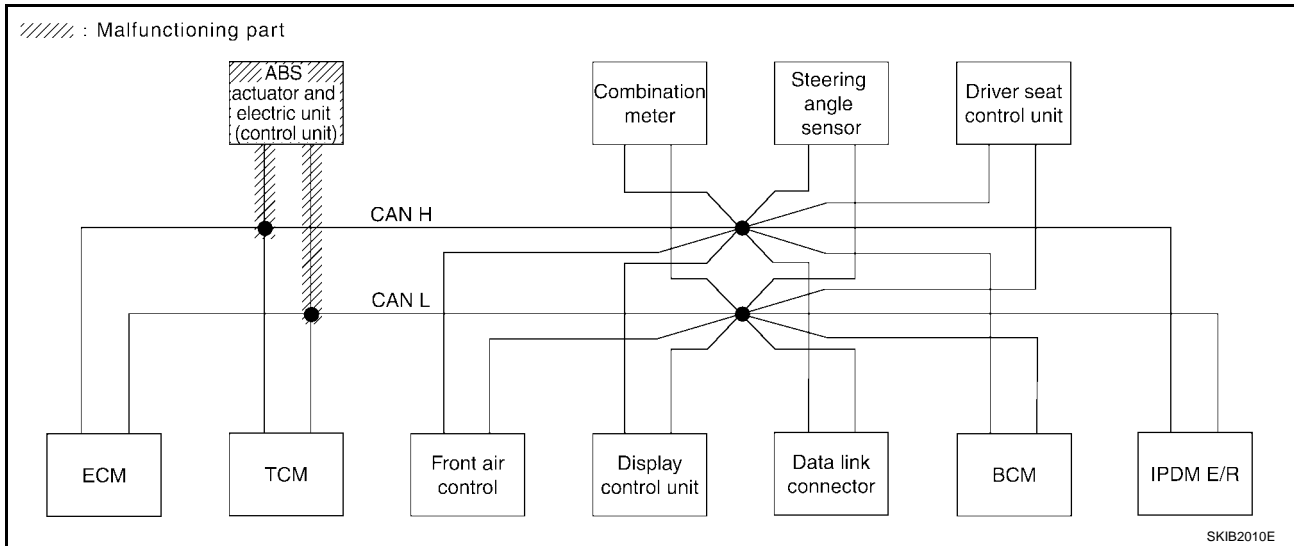
[CAN]

Case 4

Check ABS actuator and electric unit (control unit) circuit. Refer to [LAN-118, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG	IPDM E/R		
ENGINE	—	—	UNKWN	—	UNKWN	UN KN [✓] WN	—	—	UNKWN	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UN KN [✓] WN	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
ABS	—	NG	UN KN [✓] WN	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000)	—
HVAC	No indication	—	UNKWN	UNKWN	—	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)	—
AUTO DRIVE POS.	No indication	NG	UNKWN	—	UNKWN	—	—	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	—	CAN COMM CIRCUIT (U1000)	—

SKIB6748E



SKIB2010E

CAN SYSTEM (TYPE 5)

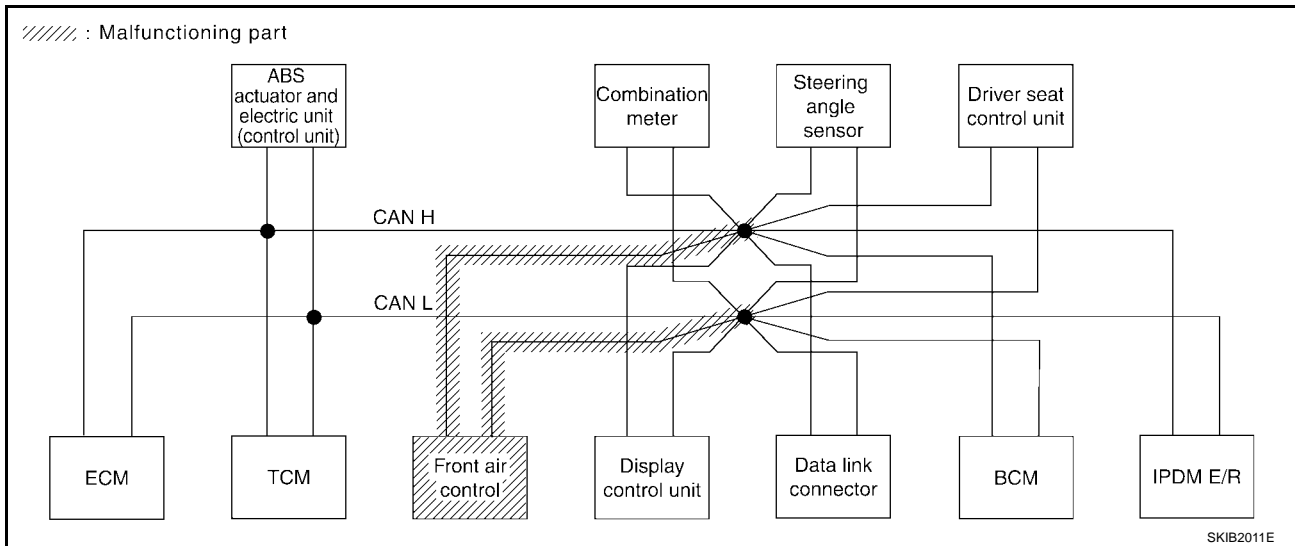
[CAN]

Case 5

Check front air control circuit. Refer to [LAN-119, "Front Air Control Circuit Inspection"](#) .

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

SKIB6749E



SKIB2011E

CAN SYSTEM (TYPE 5)

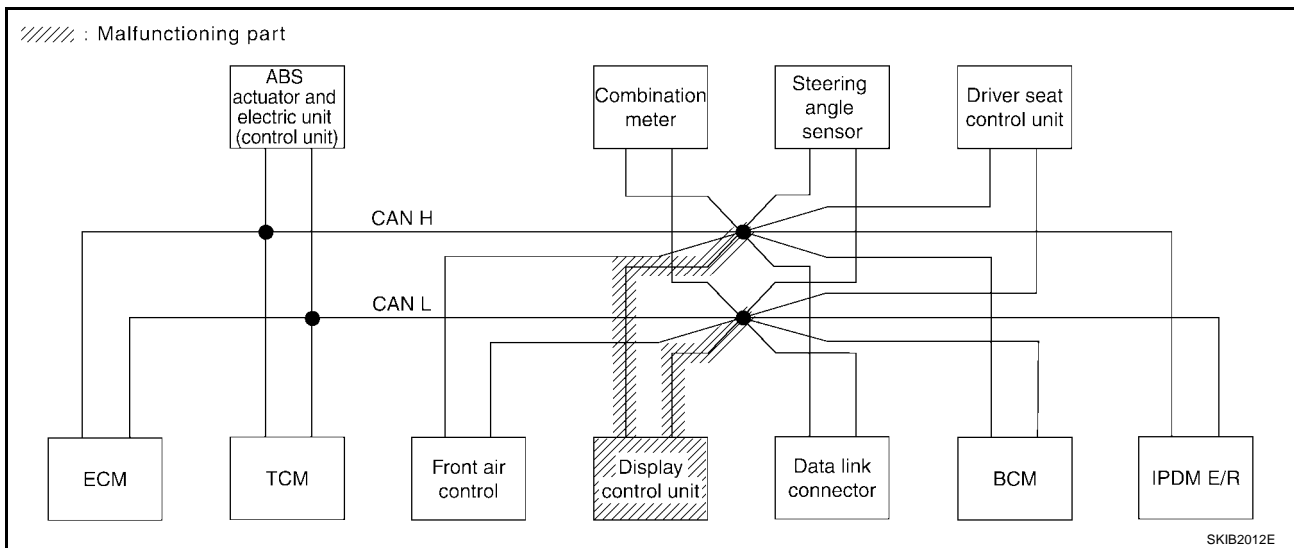
[CAN]

Case 6

Check display control unit circuit. Refer to [LAN-120, "Display Control Unit 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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG	IPDM E/R				
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)		
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—		
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000)	—		
HVAC	No indication	—	UNKWN	UNKWN	—	UNKWN	—	✓	UNKWN	—	—	—	CAN COMM CIRCUIT (U1000)	—		
Display control unit	—	NG	✓	✓	—	—	✓	—	✓	✓	—	✓	—	—		
BCM	No indication	NG	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	—		
AUTO DRIVE POS.	No indication	NG	UNKWN	—	UNKWN	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—		
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—		

SKIB6750E



SKIB2012E

CAN SYSTEM (TYPE 5)

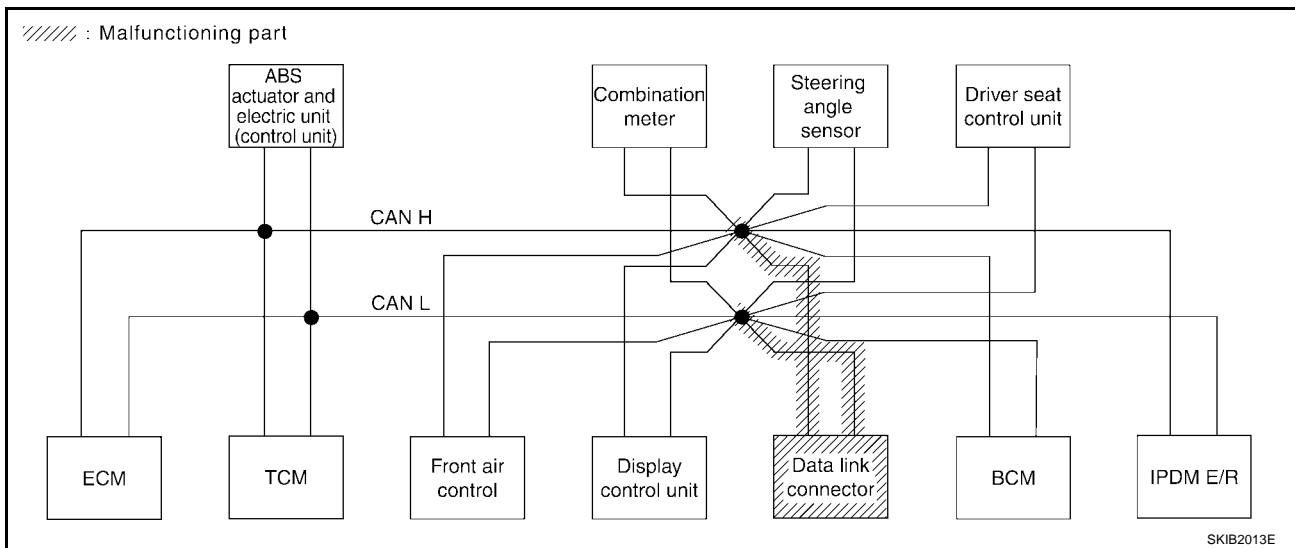
[CAN]

Case 7

Check data link connector circuit. Refer to [LAN-121, "Data Link Connector 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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG	IPDM E/R				
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)		
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—		
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000)	—		
HVAC	No indication	—	UNKWN	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)	—		
AUTO DRIVE POS.	No indication	NG	UNKWN	—	UNKWN	—	—	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—		
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	—	CAN COMM CIRCUIT (U1000)	—		

SKIB6751E



SKIB2013E

CAN SYSTEM (TYPE 5)

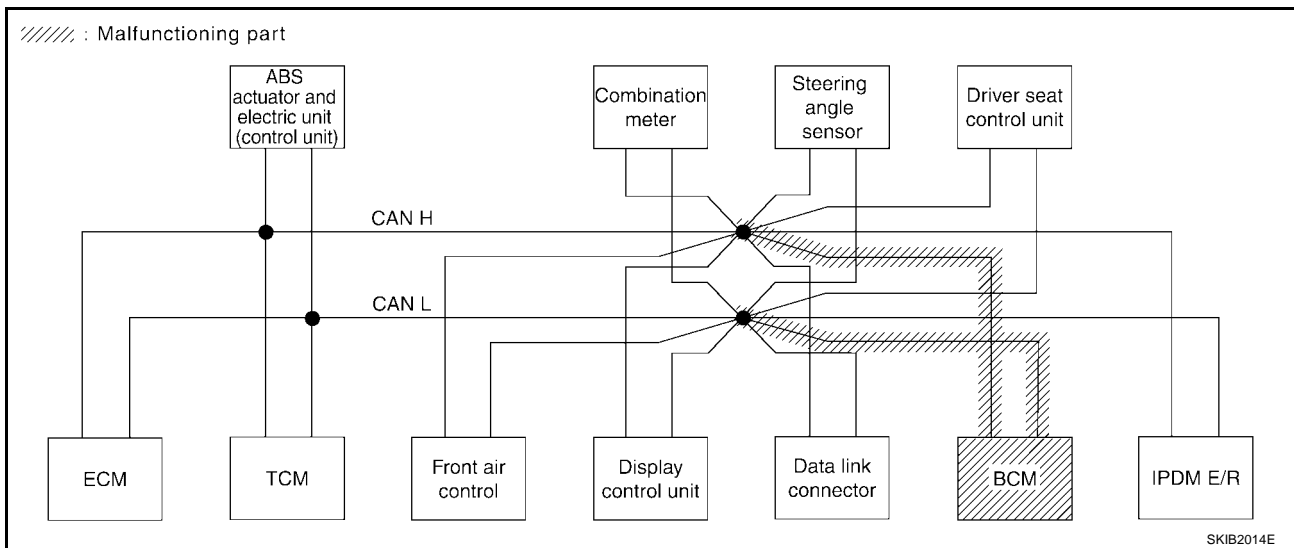
[CAN]

Case 8

Check BCM circuit. Refer to [LAN-121, "BCM Circuit Inspection"](#).

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

SKIB6752E



SKIB2014E

CAN SYSTEM (TYPE 5)

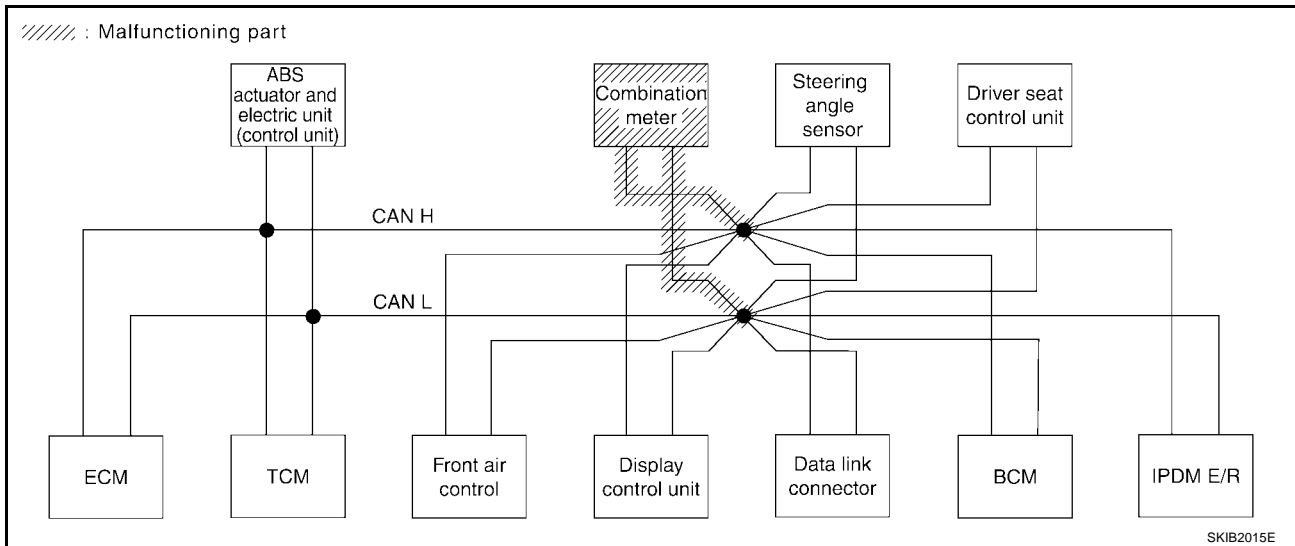
[CAN]

Case 9

Check combination meter circuit. Refer to [LAN-122, "Combination Meter Circuit Inspection"](#) .

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

SKIB6753E



SKIB2015E

CAN SYSTEM (TYPE 5)

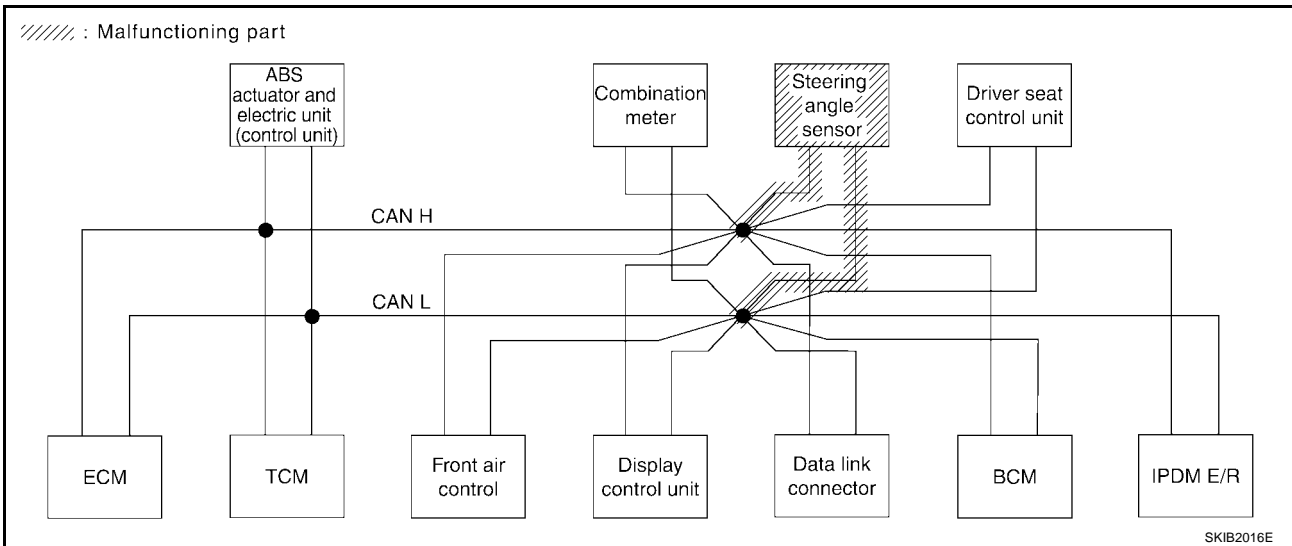
[CAN]

Case 10

Check steering angle sensor circuit. Refer to [LAN-122. "Steering Angle Sensor Circuit Inspection"](#) .

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

SKIB6754E



SKIB2016E

CAN SYSTEM (TYPE 5)

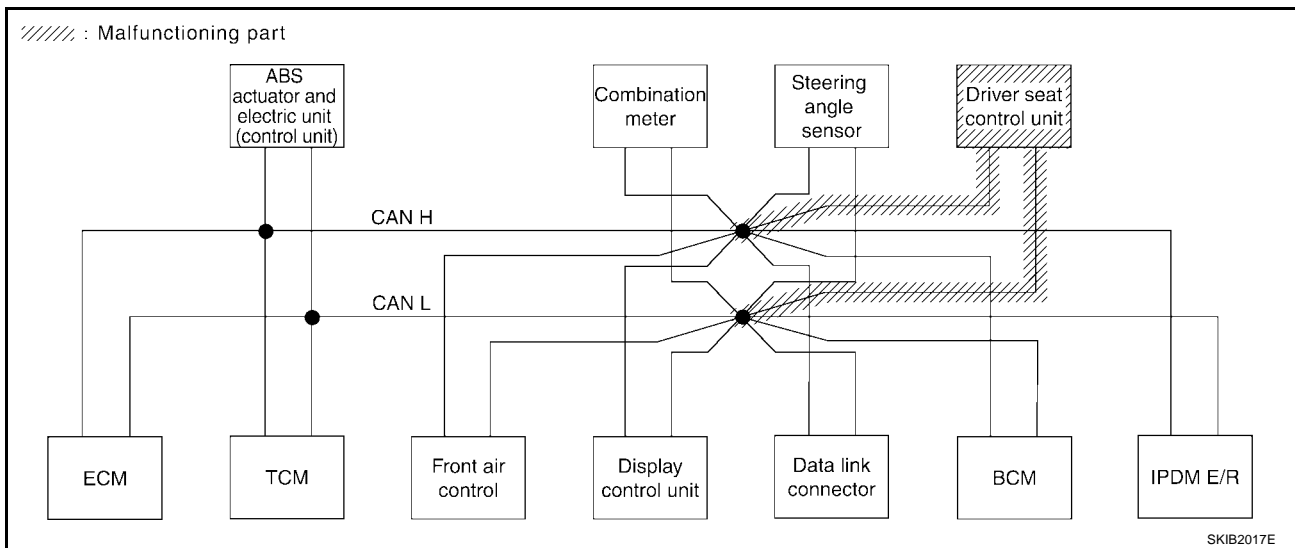
[CAN]

Case 11

Check driver seat control unit circuit. Refer to [LAN-123, "Driver Seat Control Unit Circuit Inspection"](#) .

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

SKIB6755E



SKIB2017E

CAN SYSTEM (TYPE 5)

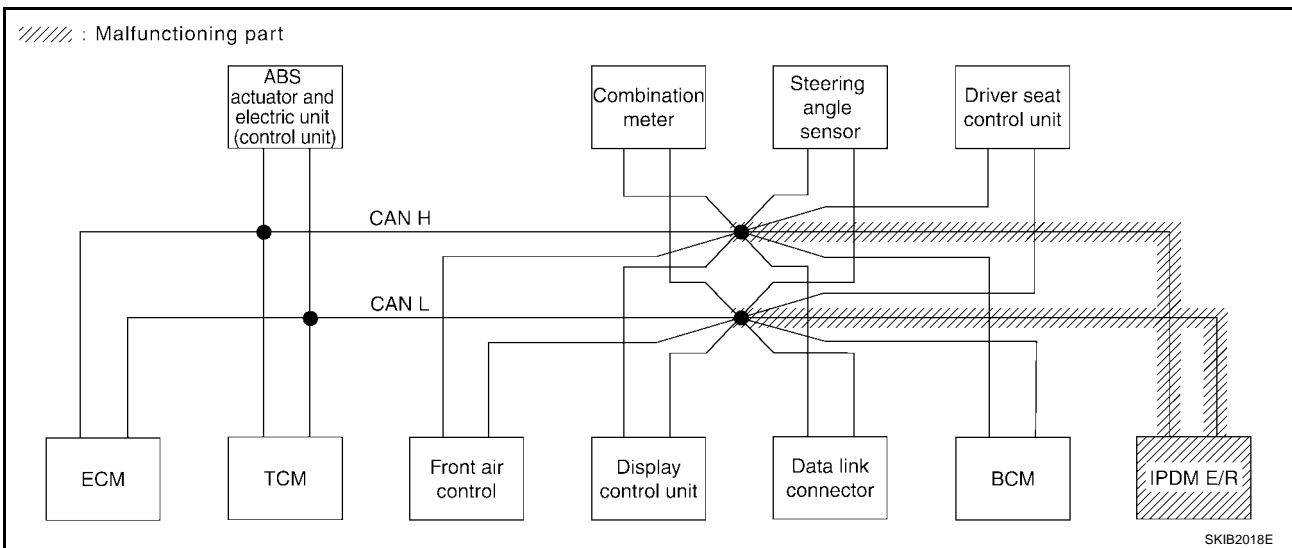
[CAN]

Case 12

Check IPDM E/R circuit. Refer to [LAN-124, "IPDM E/R Circuit Inspection"](#) .

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

SKIB6756E



SKIB2018E

CAN SYSTEM (TYPE 5)

[CAN]

Case 13

Check CAN communication circuit. Refer to [LAN-124, "CAN Communication Circuit Inspection"](#) .

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

SKIB6757E

Case 14

Check IPDM E/R ignition relay circuit continuously sticks "OFF". Refer to [LAN-126, "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKN	UNKN	—	—	UNKWN	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
TRANSMISSION	No indication	NG	UNKWN	UNKWN	—	UNKWN	—	—	—	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	
ABS	—	NG	UNKWN	UNKWN	UNKWN	—	—	—	—	—	UNKWN	—	CAN COMM CIRCUIT (U1000)	—	
HVAC	No indication	—	UNKWN	UNKWN	—	UNKN	—	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)	—	
AUTO DRIVE POS.	No indication	NG	UNKWN	—	UNKN	—	—	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	—	CAN COMM CIRCUIT (U1000)	—	

SKIB6758E

CAN SYSTEM (TYPE 5)

[CAN]

Case 15

Check IPDM E/R ignition relay circuit continuously sticks "ON". Refer to [LAN-126. "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	VDC/TCS/ABS	Front air control	DISPLAY	BCM /SEC	METER /M&A	STRG	IPDM E/R			
ENGINE	—	—	UNKWN	—	UNKWN	UNKWN	—	—	UNKWN	UNKWN	—	UNKWN	CAN COMM CIRCUIT (U1000)	CAN COMM CIRCUIT (U1001)	
TRANSMISSION	No indication	NG	UNKWN	—	—	UNKWN	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
ABS	—	NG	UNKWN	—	UNKWN	—	—	—	—	—	—	—	CAN COMM CIRCUIT (U1000)	—	
HVAC	No indication	—	UNKWN	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)	—	
AUTO DRIVE POS.	No indication	NG	UNKWN	—	UNKWN	—	—	—	UNKWN	UNKWN	—	—	CAN COMM CIRCUIT (U1000)	—	
IPDM E/R	No indication	—	UNKWN	UNKWN	—	—	—	—	UNKWN	—	—	—	CAN COMM CIRCUIT (U1000)	—	

SKIB6759E

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LAN

TROUBLE DIAGNOSIS FOR SYSTEM

Inspection Between TCM and Data Link Connector Circuit

1. CHECK CONNECTOR

1. Turn ignition switch OFF.
2. Disconnect the battery cable from the negative terminal.
3. Check following terminals and connectors for damage, bend and loose connection (connector side and harness side).
 - Harness connector E26
 - Harness connector M91

OK or NG

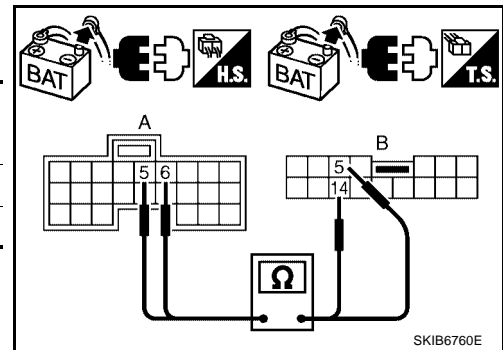
- OK >> GO TO 2.
- NG >> Repair terminal or connector.

2. CHECK HARNESS FOR OPEN CIRCUIT

With 4A/T

1. Disconnect TCM connector and harness connector E26.
2. Check continuity between TCM harness connector (A) and harness connector (B).

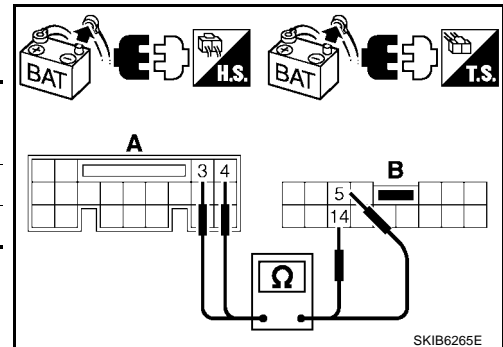
A		B		Continuity
Connector	Terminal	Connector	Terminal	
E142	5	E26	5	Yes
	6		14	Yes



With 5A/T

1. Disconnect TCM connector and harness connector E26.
2. Check continuity between TCM harness connector (A) and harness connector (B).

A		B		Continuity
Connector	Terminal	Connector	Terminal	
E143	3	E26	5	Yes
	4		14	Yes



OK or NG

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

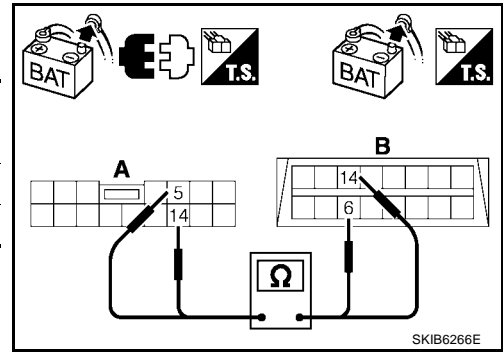
3. CHECK HARNESS FOR OPEN CIRCUIT

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

A		B		Continuity
Connector	Terminal	Connector	Terminal	
M91	5	M22	6	Yes
	14		14	Yes

OK or NG

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



ECM Circuit Inspection

1. CHECK CONNECTOR

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

OK or NG

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

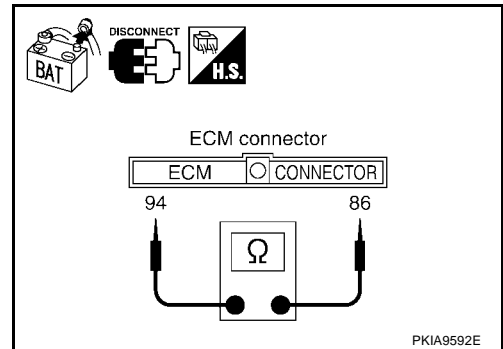
2. CHECK HARNESS FOR OPEN CIRCUIT

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

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

OK or NG

- OK >> Replace ECM.
- NG >> Repair harness between ECM and TCM.



TCM 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 TCM for damage, bend and loose connection (control module side and harness side).

OK or NG

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

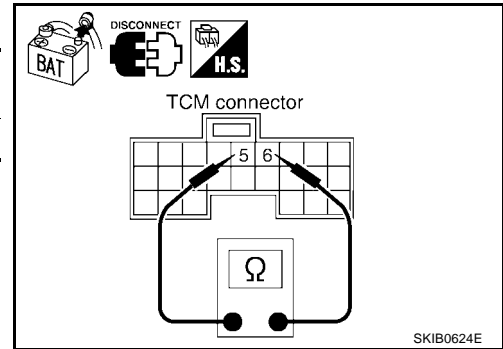
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2. CHECK HARNESS FOR OPEN CIRCUIT

With 4A/T

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

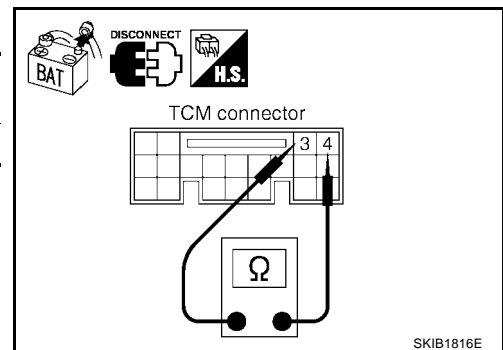
TCM connector	Terminal		Resistance (Approx.)
E142	5	6	54 – 66 Ω



With 5A/T

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

TCM connector	Terminal		Resistance (Approx.)
E143	3	4	54 – 66 Ω



OK or NG

- OK >> Replace TCM.
- NG >> Repair harness between TCM and ABS actuator and electric unit (control unit).

ABS Actuator and Electric Unit (Control Unit) Circuit Inspection

UKS004LT

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

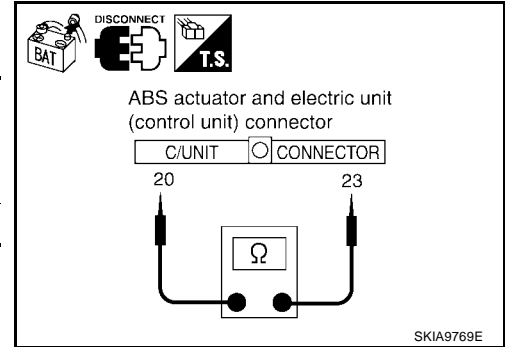
- OK >> GO TO 2.
- NG >> Repair terminal or connector.

2. CHECK HARNESS FOR OPEN CIRCUIT

With TCS

1. Disconnect ABS actuator and electric unit (control unit) connector.
2. Check resistance between ABS actuator and electric unit (control unit) harness connector terminals.

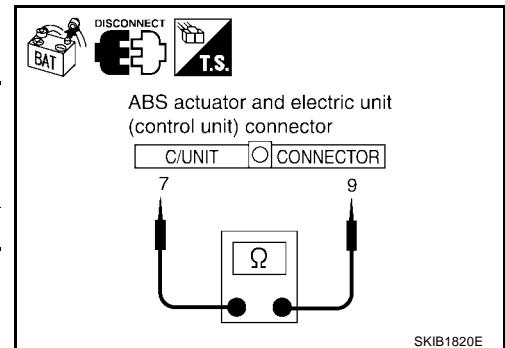
ABS actuator and electric unit (control unit) connector	Terminal		Resistance (Approx.)
E125	20	23	54 – 66 Ω



With VDC

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.)
E125	7	9	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 TCM.

Front Air Control Circuit Inspection

UKS004LU

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 (control unit side and harness side).

OK or NG

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

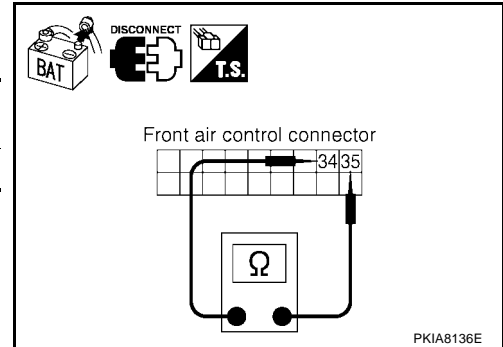
2. CHECK HARNESS FOR OPEN CIRCUIT

1. Disconnect 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.



UKS004LV

Display 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 unit for damage, bend and loose connection (unit side and harness side).

OK or NG

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

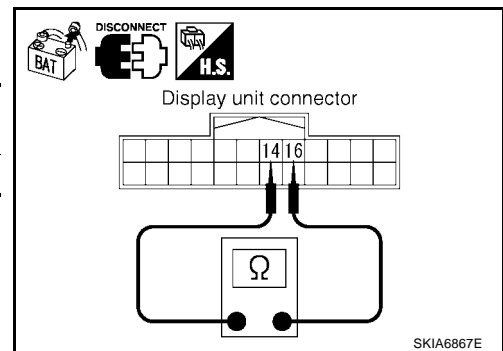
2. CHECK HARNESS FOR OPEN CIRCUIT

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

Display unit connector	Terminal		Resistance (Approx.)
	14	16	
M93	14	16	54 – 66 Ω

OK or NG

- OK >> Replace display unit.
 NG >> Repair harness between display unit and data link connector.



UKS004M4

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.

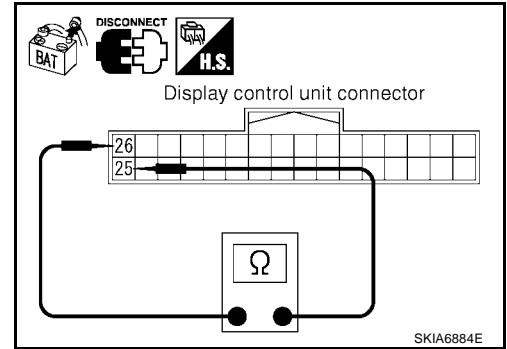
2. CHECK HARNESS FOR OPEN CIRCUIT

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.



UKS004LW

Data Link Connector Circuit Inspection

1. CHECK CONNECTOR

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

OK or NG

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

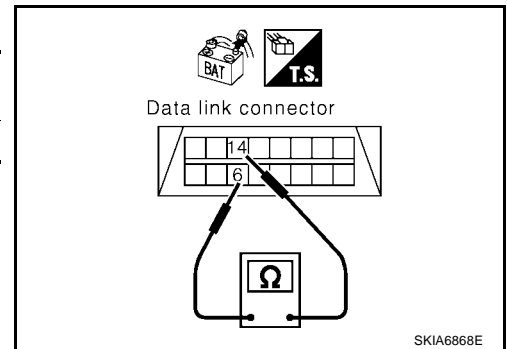
2. CHECK HARNESS FOR OPEN CIRCUIT

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 BCM.



UKS004LX

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.

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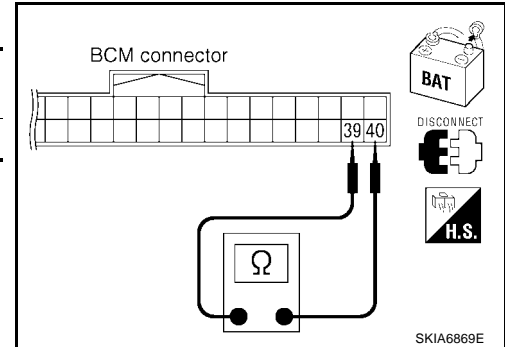
2. CHECK HARNESS FOR OPEN CIRCUIT

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

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

OK or NG

- OK >> Replace BCM. Refer to [BCS-20, "Removal and Installation of BCM"](#).
- NG >> Repair harness between BCM and data link connector.



UKS004LY

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.

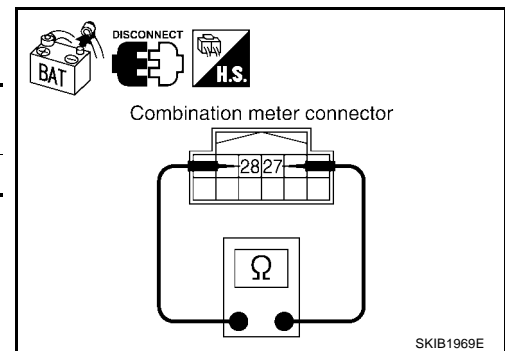
2. CHECK HARNESS FOR OPEN CIRCUIT

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

Combination meter connector	Terminal		Resistance (Approx.)
M23	27	28	54 – 66 Ω

OK or NG

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



UKS004LZ

Steering Angle Sensor Circuit Inspection

1. CHECK CONNECTOR

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

OK or NG

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

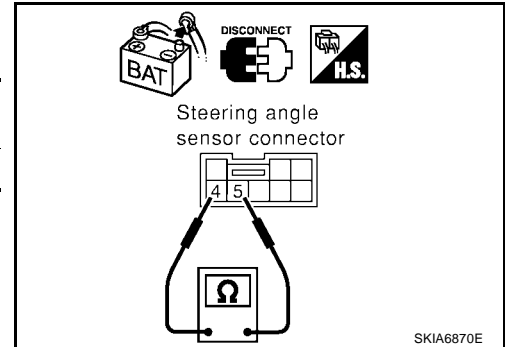
2. CHECK HARNESS FOR OPEN CIRCUIT

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

Steering angle sensor connector	Terminal		Resistance (Approx.)
M47	4	5	54 – 66 Ω

OK or NG

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



UKS004M0

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
 - Harness connector P1
 - Harness connector B37
 - Harness connector B1
 - Harness connector M11

OK or NG

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

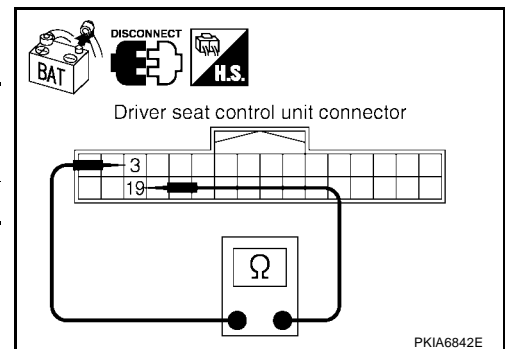
2. CHECK HARNESS FOR OPEN CIRCUIT

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 data link connector.



IPDM E/R Circuit Inspection

1. CHECK CONNECTOR

1. Turn ignition switch OFF.
2. Disconnect the battery cable from the negative terminal.
3. Check following terminals and connectors for damage, bend and loose connection (control module side and harness side).
 - IPDM E/R
 - Harness connector E25
 - Harness connector M90

OK or NG

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

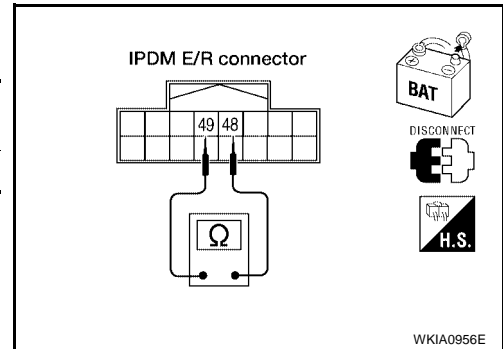
2. CHECK HARNESS FOR OPEN CIRCUIT

1. Disconnect IPDM E/R connector.
2. Check resistance between IPDM E/R harness connector terminals.

IPDM E/R connector	Terminal		Resistance (Approx.)
E121	48	49	108 – 132 Ω

OK or NG

- OK >> Replace IPDM E/R.
- NG >> Repair harness between IPDM E/R and data link connector.



CAN Communication Circuit Inspection

1. CONNECTOR INSPECTION

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.

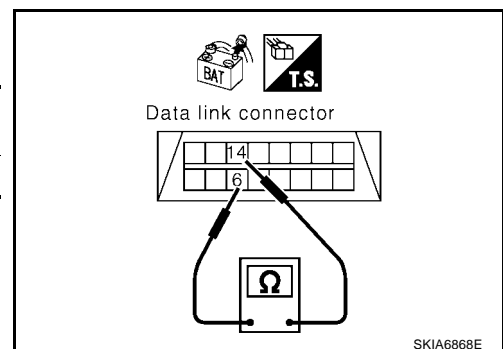
2. CHECK HARNESS FOR SHORT CIRCUIT

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.



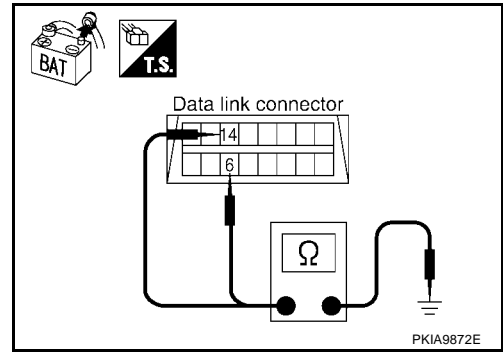
3. CHECK HARNESS FOR SHORT CIRCUIT

Check continuity between data link connector terminals and ground.

Data link connector	Terminal	Ground	Continuity
M22	6	Ground	No
	14		No

OK or NG

- OK >> GO TO 4.
- NG >> ● Repair harness.
 - Change harness if shielded lines are used for the harness.



4. CHECK ECM AND IPDM E/R INTERNAL CIRCUIT

1. Remove ECM and IPDM E/R from vehicle.
2. Check resistance between ECM terminals.

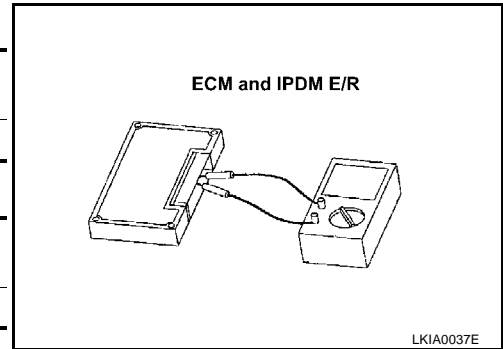
Terminal	Terminal	Resistance (Approx.)
94	86	108 – 132 Ω

3. Check resistance between IPDM E/R terminals.

Terminal	Terminal	Resistance (Approx.)
48	49	108 – 132 Ω

OK or NG

- OK >> GO TO 5.
- NG >> Replace ECM and/or IPDM E/R.



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. CHECK UNIT REPRODUCIBILITY

Performs the following procedure for each unit, 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.

Check results

- Reproduce>> Install removed unit, and then check the other unit.
- Not reproduced>> Replace removed unit.

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IPDM E/R Ignition Relay Circuit Inspection

UKS004M3

Check the following. If no malfunction is found, replace the IPDM E/R.

- IPDM E/R power supply circuit. Refer to [PG-27, "IPDM E/R Power/Ground Circuit Inspection"](#) .
- Ignition power supply circuit. Refer to [PG-12, "IGNITION POWER SUPPLY — IGNITION SW. IN ON AND/OR START"](#) .