


Your Ultimate Source for OEM Repair Manuals

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2016 NISSAN Altima (Thailand) OEM Service and Repair Workshop Manual

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1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 2 seconds or more.
2. Select “Self Diagnostic Result” mode of “8ch CAN GATEWAY” using CONSULT.
3. Check DTC.

Is DTC U1325-54 detected?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: [Intermittent Incident](#)

NO-2>>

Confirmation after repair: INSPECTION END

Sample

1. PERFORM PROGRAMMING OF 8CH CAN GATEWAY

Perform 8CH CAN gateway programming. Refer to [Work Procedure](#).

>>

[GO TO 2.](#)

2. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

1. Power switch ON.
2. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).
3. Check DTC.

Is DTC U1325-54 displayed?

YES>>

Replace 8CH CAN gateway. Refer to [Removal and Installation](#).

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms	DTC detected condition	
B2601-42	Memory failure for firmware over	Diagnosis condition	When power switch is ON.
		Signal (terminal)	—
		Threshold	Errors are detected in the memory for software automatic update function (OTA)
		Diagnosis delay time	After downloading software automatic update function (OTA) data


POSSIBLE CAUSE

8CH CAN gateway

FAIL-SAFE

Software automatic update function (OTA) fails, but system continue normal control.

1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 2 seconds or more.
2. Select “Self Diagnostic Result” mode of “8ch CAN GATEWAY 2” using CONSULT.
3. Check DTC.

Is DTC B2601-42 detected?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: [Intermittent Incident](#)

NO-2>>

Confirmation after repair: INSPECTION END

Sample

1. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

1. Power switch ON.
2. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).
3. Check DTC.

Is DTC B2601-42 displayed?

YES>>

Replace 8CH CAN gateway. Refer to [Removal and Installation](#).

NO>>

INSPECTION END

Sample

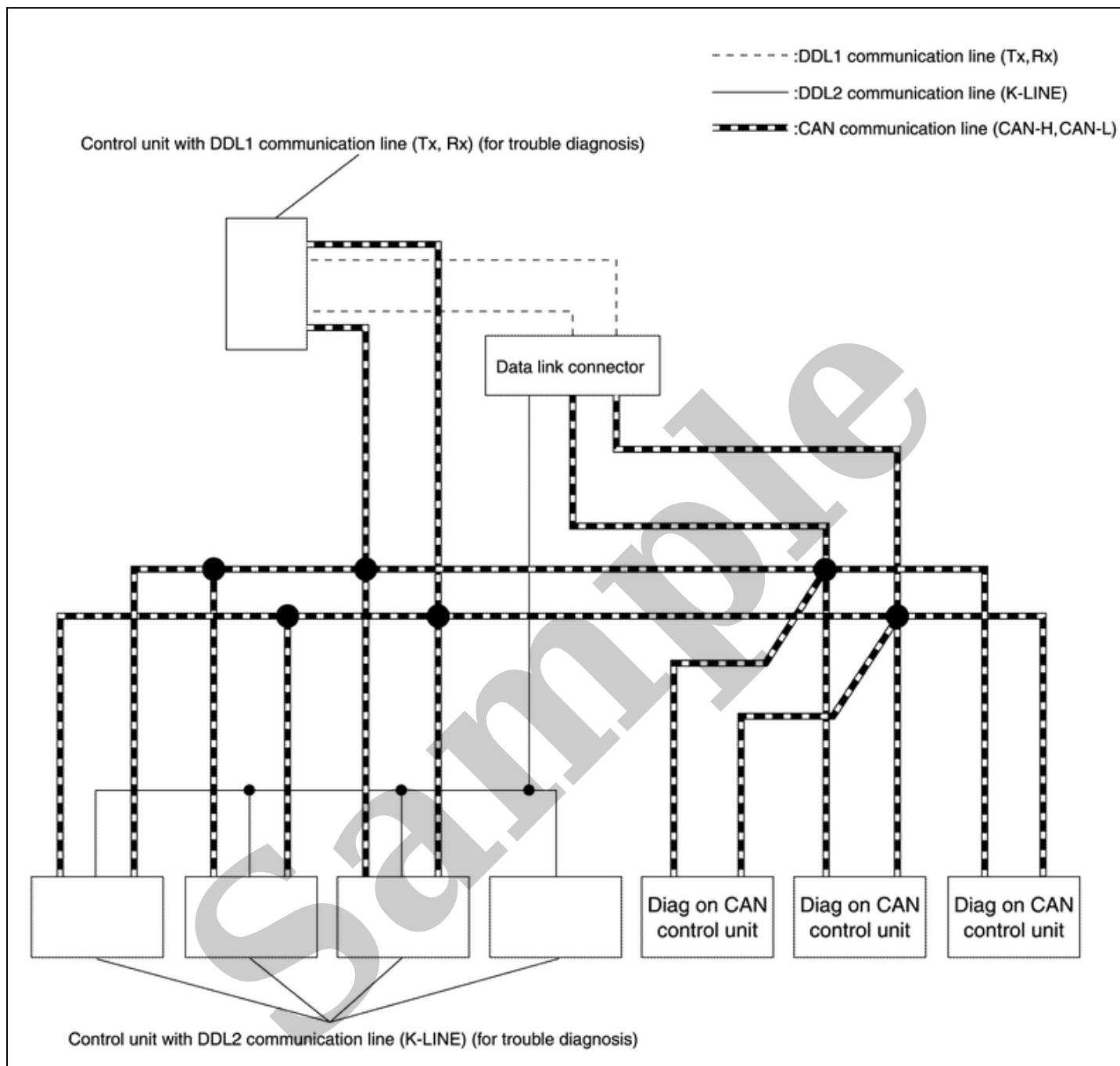
How to Use This Section

SIEMD-7215669

- “CAN FUNDAMENTAL” of LAN Section describes the basic knowledge of the CAN communication system and the method of trouble diagnosis.
- For information peculiar to a vehicle and inspection procedure, refer to “CAN”.

Sample

SYSTEM DIAGRAM



-01-SMIA0526GB

Name	Harness	Description
DDL1	Tx Rx	For communications with the diagnostic tool. (CAN-H and CAN-L are used for controlling)
DDL2	K-LINE	For communications with the diagnostic tool. (CAN-H and CAN-L are used for controlling)
Diag on CAN	CAN-H CAN-L	For communications with the diagnostic tool. (CAN-H and CAN-L are also used for control and diagnoses.)

DESCRIPTION

“Diag on CAN” is a diagnosis method which uses the CAN communication line for the communication between the control unit and the diagnostic tool.

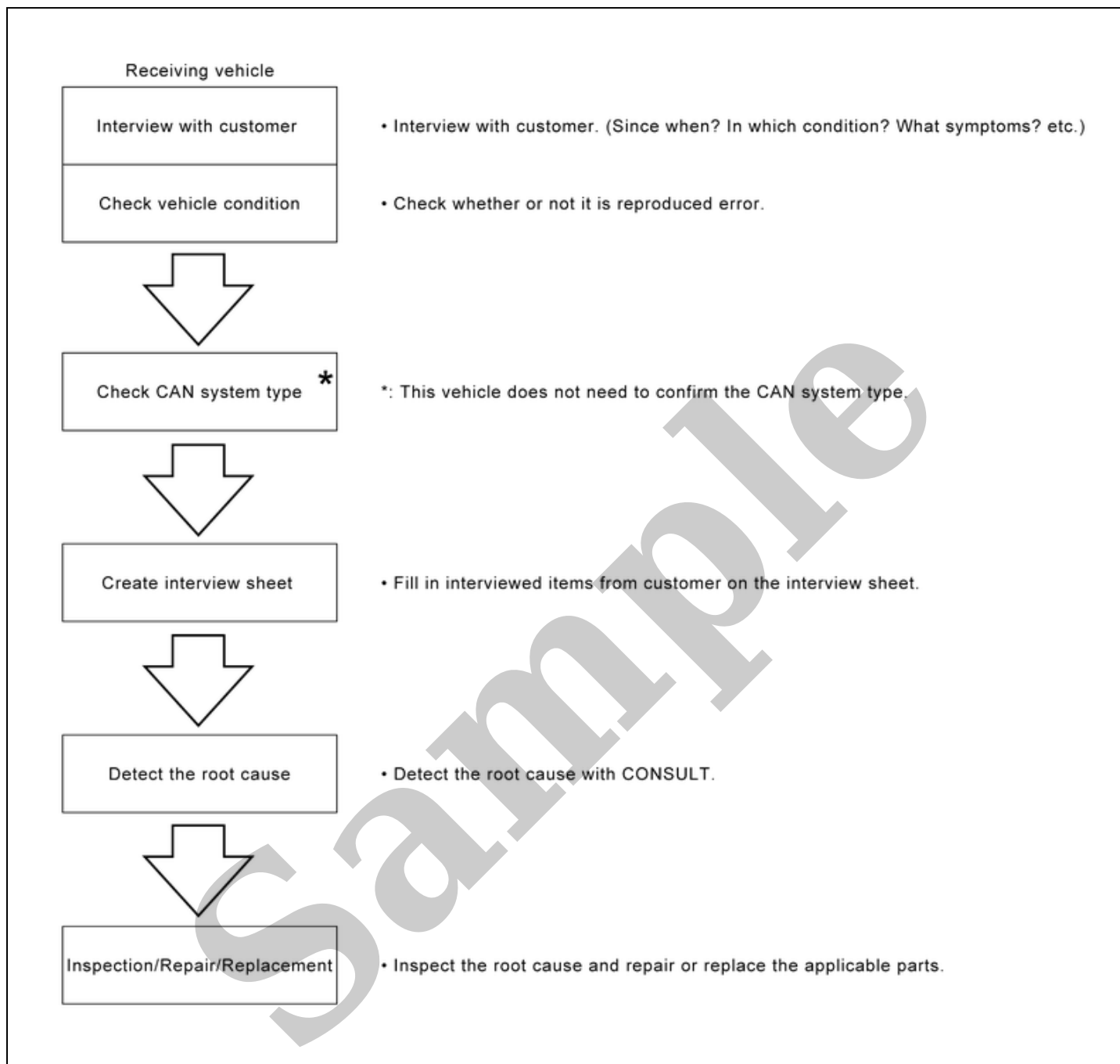
System Description

SIEMD-7215670

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.

Sample

DESCRIPTION



SIEMD-16479994805830-02-000388411

DETAIL OF TROUBLE DIAGNOSIS FLOW CHART

1. INTERVIEW WITH CUSTOMER

Interview with the customer is important to detect the root cause of CAN communication system errors and to understand vehicle condition and symptoms for proper trouble diagnosis.

Points in interview

- What: Parts name, system name
- When: Date, Frequency
- Where: Road condition, Place
- In what condition: Driving condition/environment