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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

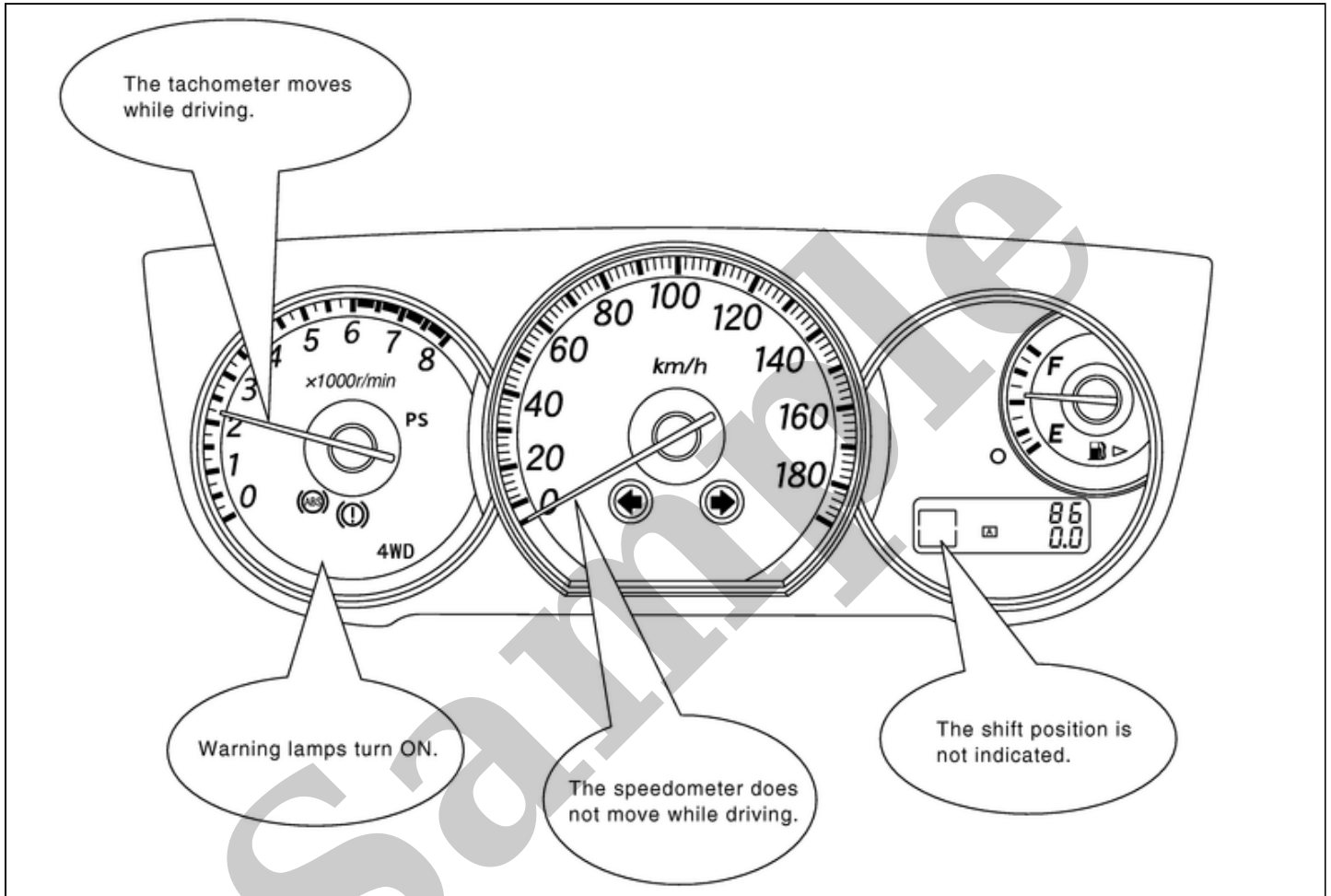
2016 NISSAN Armada OEM Service and Repair Workshop Manual

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- Result: Symptom

Notes for checking error symptoms:

- Check normal units as well as error symptoms.
 - Example: Circuit between ECM and the combination meter is judged normal if the customer indicates tachometer functions normally.
- When a CAN communication system error is present, multiple control units may malfunction or go into fail-safe mode.
- Indication of the combination meter is important to detect the root cause because it is the most obvious to the customer, and it performs CAN communication with many units.




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2. INSPECTION OF VEHICLE CONDITION

Check whether the symptom is reproduced or not.

 **NOTE:**
Do not turn the power switch OFF or disconnect the 12V battery cable while reproducing the error. The error may temporarily correct itself, making it difficult to determine the root cause.

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3. CHECK OF CAN SYSTEM TYPE (HOW TO USE CAN SYSTEM TYPE

SPECIFICATION CHART)



NOTE:

This vehicle does not need to confirm the CAN system type.

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[GO TO 4.](#)

4. CREATE INTERVIEW SHEET

Fill out the symptom described by the customer and vehicle condition on the interview sheet.



NOTE:

Interview Sheet (Example)

Sample

CAN Communication System Diagnosis Interview Sheet

Date received: 3, Feb. 2006

Type: DBA-KG11

VIN No.: KG11-005040

Model: BDRARGZG11EDA-E-J-

First registration: 10, Jan. 2001

Mileage: 62,140

CAN system type: _____

Symptom (Results from interview with customer)

- Headlamps suddenly turn ON while driving the vehicle.
- The engine does not restart after stopping the vehicle and turning the ignition switch OFF.
- The cooling fan continues rotating while turning the ignition switch ON.

Condition at inspection

Error Symptom: Present / Past

- The engine does not start.
While turning the ignition switch ON,
- The headlamps (Lo) turn ON, and the cooling fan continues rotating.
 - The interior lamp does not turn ON.

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5. DETECT THE ROOT CAUSE

"Network Diagnosis" function of CONSULT detects a root cause.

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6. REPAIR OR REPLACE MALFUNCTIONING PART

Repair or replace malfunctioning parts identified by "Network Diagnosis" function of CONSULT.

Vehicle CAN communication circuit>>

Refer to [List](#).

ITS CAN communication circuit>>

Refer to [List](#).

EV CAN communication circuit>>

Refer to [List](#).

Chassis CAN communication circuit>>

Refer to [List](#).

Drivetrain CAN communication circuit>>

Refer to [List](#).

IT CAN communication circuit>>

Refer to [List](#).

Diagnostic CAN communication circuit>>

Refer to [List](#).

Sample

System Description

SIEMD-1647998177981

If communication signals cannot be transmitted or received among control units communicating via CAN communication line, CAN communication-related DTC is displayed on the CONSULT "Self Diagnostic Result" screen.

Sample

System Description

SIEMD-16479981784116

When CAN communication error occurs, the estimated malfunction part is displayed in "Network Diagnosis". The malfunction part is identified by referring to the following displays of network and unit, and error cases.

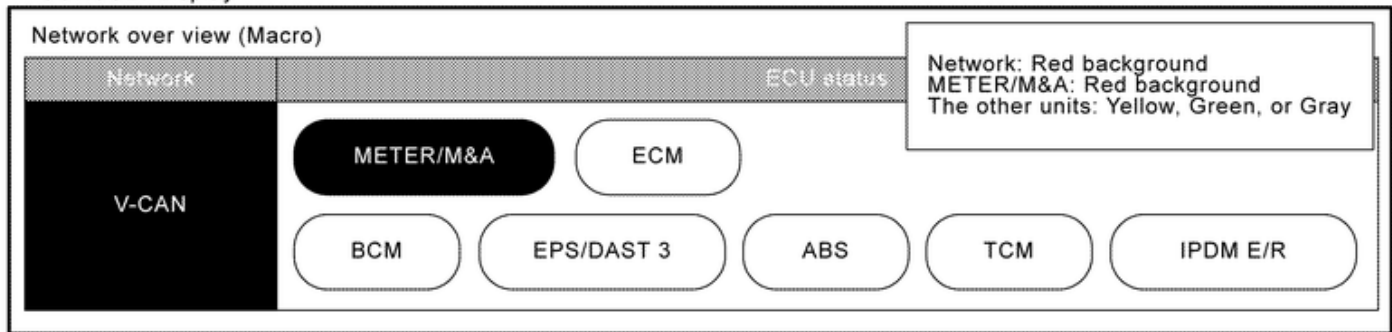
Item	Color	Diagnosis result
Network	Red background	There is an unit where unable communication has occurred.
	Red text	CAN communication error is occurred. (Present error)
	Yellow	CAN communication error was occurred. (Past error)
	Green	No CAN communication error are occurred between the units in the network.
ECU status	Red background	Unable communication
	Red text	CAN communication error is detected by other units. (Present error)
	Yellow	CAN communication error was detected by other units. (Past error)
	Green	The unit is normal. There is error of CAN communication with some units.
	Gray	Normal

ERROR EXAMPLE

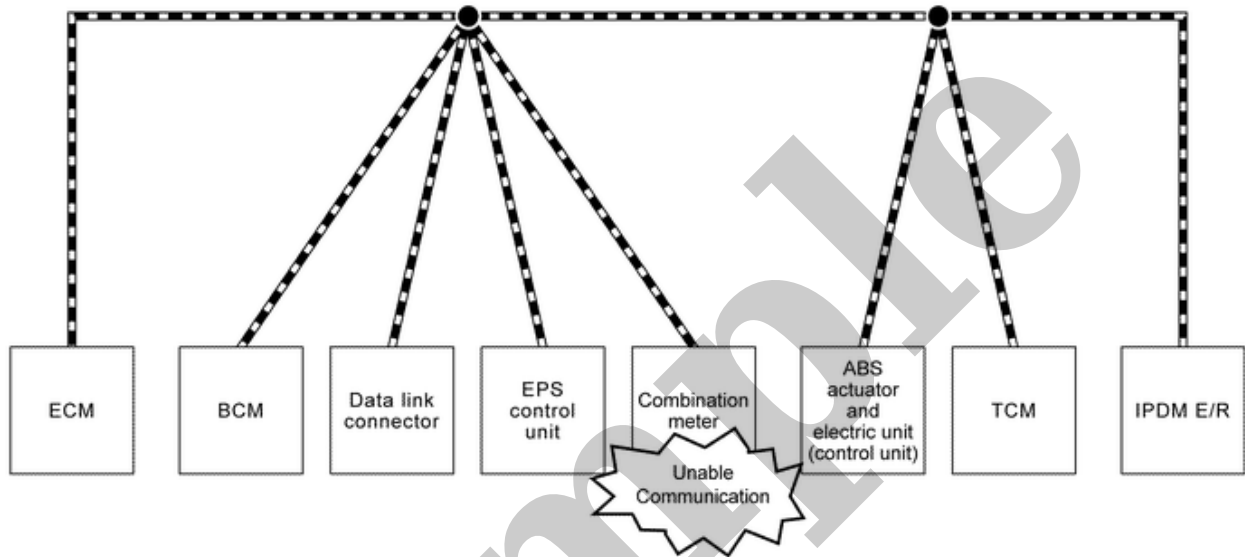
Example: Unable Communication for Combination Meter

Item	Description
CONSULT display	One unit with a red background
Work procedure	Perform trouble diagnosis procedure for combination meter.

-CONSULT display



-Possible error



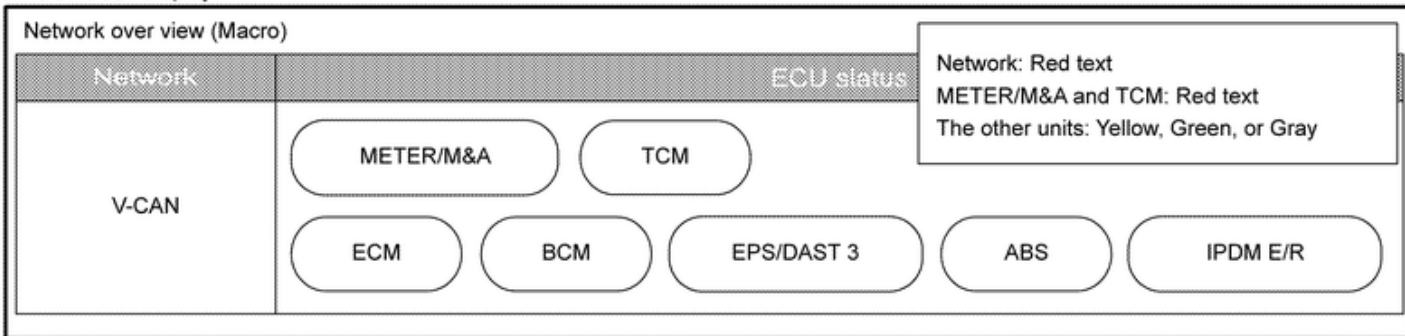
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NOTE:
When unable communication occurs on the another unit, the applicable unit is displayed with a red background.

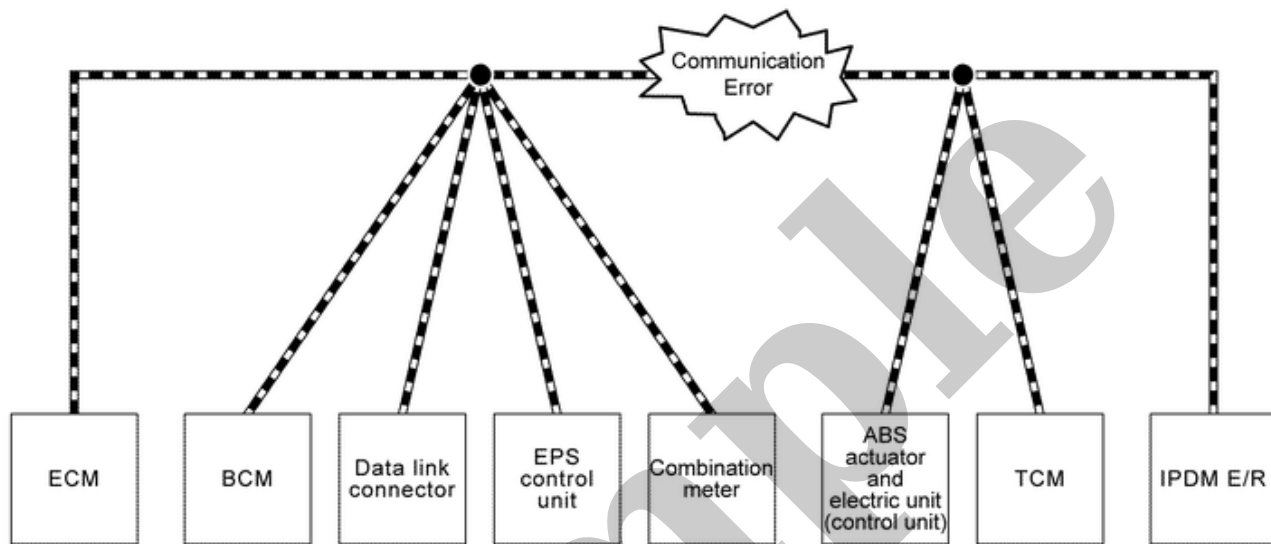
Example: CAN Communication Error for Main Line Between Combination Meter and TCM

Item	Description
CONSULT display	Some units connected to the main line with red text
Work procedure	Perform diagnosis procedure for main line between combination meter and TCM.

-CONSULT display



-Possible error



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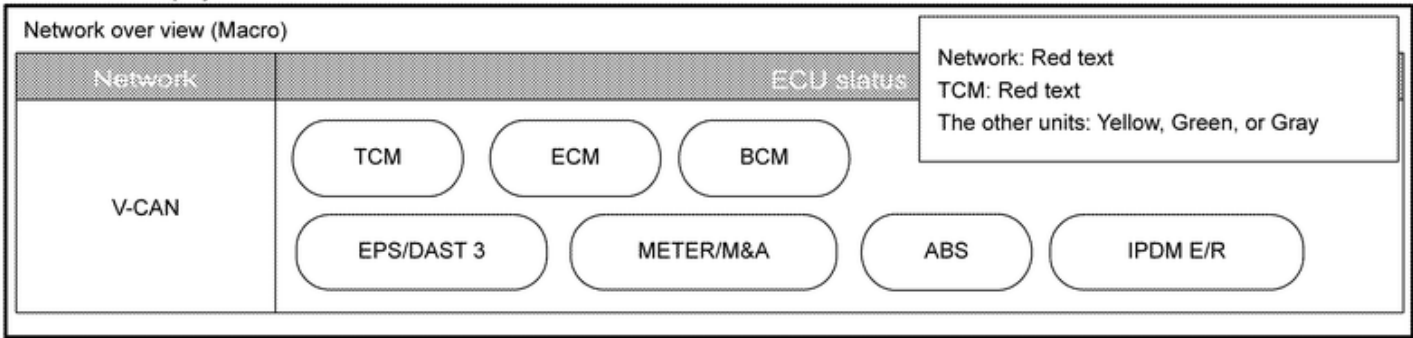
NOTE:

The unit displayed in red text is determined by the mutual communication status.

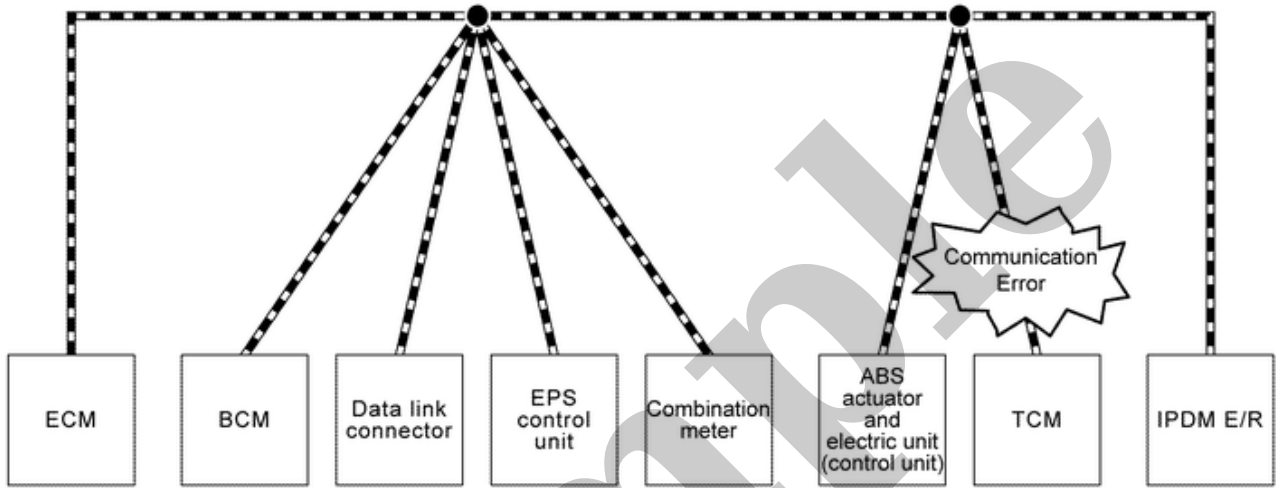
Example: CAN Communication Error for TCM Branch Line

Item	Description
CONSULT display	One unit with a red text
Work procedure	Perform diagnosis procedure for TCM branch line.

-CONSULT display



-Possible error



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NOTE:
When the branch line communication malfunction of another unit occurs, the unit is displayed in red text.

Example: Unable Communication for Data Link Connector

Item	Description
CONSULT display	All of network and units with red backgrounds
Work procedure	Perform diagnosis procedure for data link connector branch line.