

U1000 2004 NISSAN SENTRA CAN Communication Line - Signal Malfunction

Symptoms

- Engine Light ON (or Service Engine Soon Warning Light)

Possible causes

- Controller Area Network (CAN) communication harness is open or shorted
- Faulty Engine Control Module (ECM)
- Poor harness ground connection.

Tech notes

2004 Nissan Sentra

[Nissan Factory Service Bulletin Code U1000](#)

The service bulletin suggest cleaning engine and body harness ground connection to repair problem.

Description

Controller Area Network (CAN) 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.

When is the code detected?

When ECM is not transmitting or receiving CAN communication signal of OBD (emission related diagnosis) for 2 seconds or more.