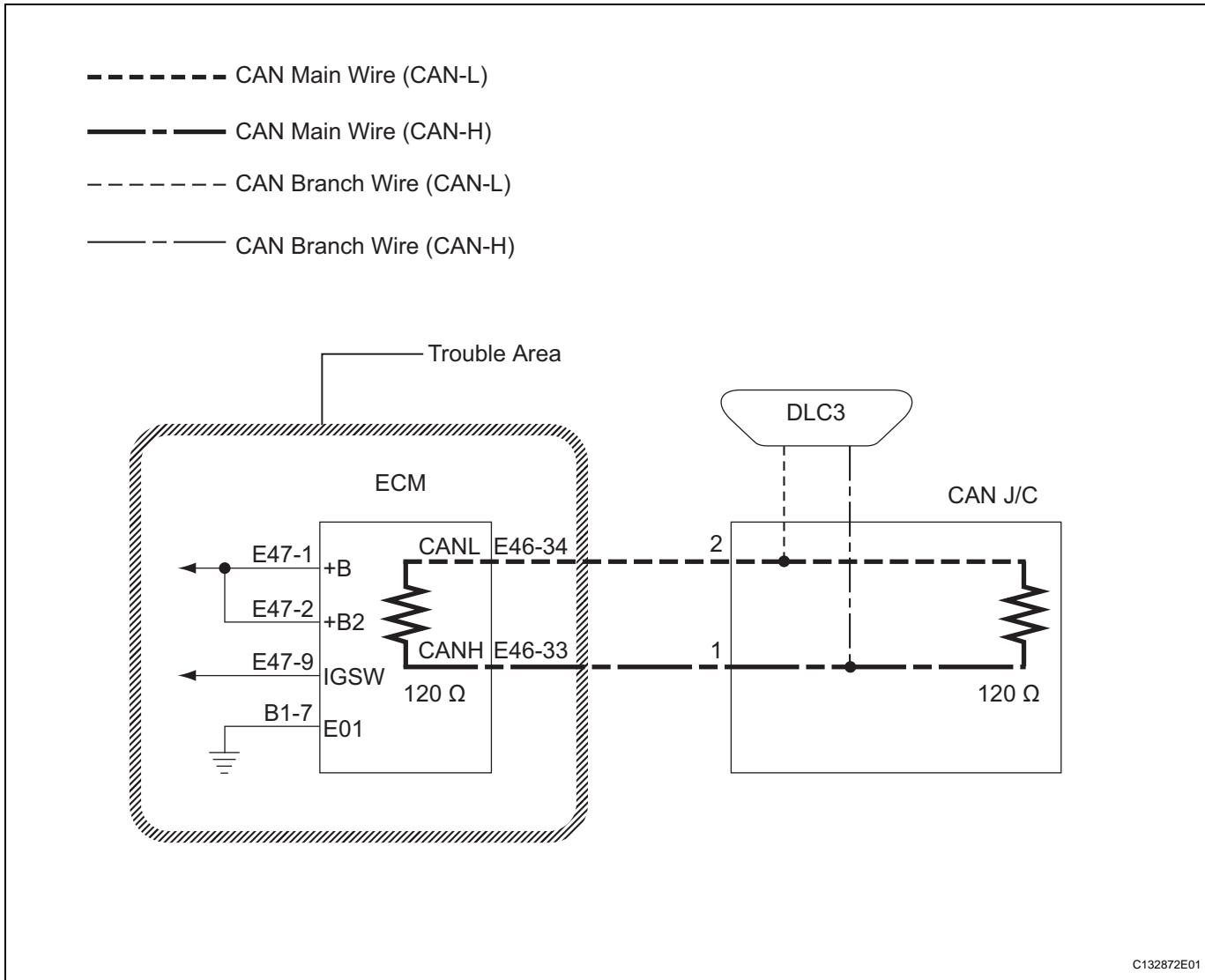


ECM Communication Stop Mode

DESCRIPTION

| Detection Item | Symptom | Trouble Area |
|-----------------------------|---|--|
| ECM Communication Stop Mode | <ul style="list-style-type: none"> "ENGINE" not displayed on "BUS CHECK" screen of intelligent tester via CAN VIM Applies to "ECM COMMUNICATION STOP MODE" in "DTC combination table" | <ul style="list-style-type: none"> Power source circuit of ECM ECM main wire or connector ECM |

WIRING DIAGRAM



INSPECTION PROCEDURE

NOTICE:

- Turn the ignition switch off before measuring the resistances of the CAN main wire and the CAN branch wire.
- After the ignition switch is turned off, check that the key reminder warning system is not in operation.

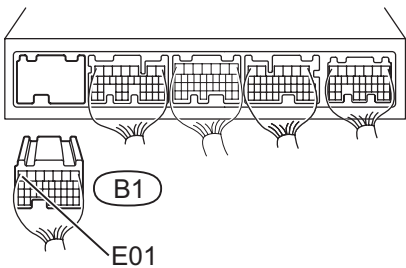
- Before measuring the resistance, leave the vehicle as is for at least 1 minute and do not operate the ignition switch, any other switches or the doors. If doors need to be opened in order to check connectors, open the doors and leave them open.

HINT:

Operating the ignition switch, any switches or any doors triggers related ECU and sensor communication with the CAN, which causes resistance variation.

1**CHECK HARNESS AND CONNECTOR (+B2, +B, IGSW, E01)****Wire Harness Side:**

ECM Connector



C140798E01

- Turn the ignition switch OFF.
- Disconnect the B1 ECM connector.
- Measure the resistance.

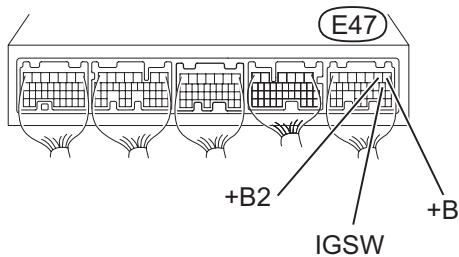
Standard resistance

| Tester Connection | Condition | Specified Condition |
|--------------------------|-----------|---------------------|
| B1-7 (E01) - Body ground | Always | Below 1 Ω |

- Reconnect the ECM connector.

Wire Harness Side:

ECM Connector



C140797E01

- Turn the ignition switch ON.
- Measure the voltage

Standard voltage

| Tester Connection | Condition | Specified Condition |
|----------------------------|--------------------|---------------------|
| E47-1 (+B) - Body ground | Ignition switch ON | 11 to 14 V |
| E47-2 (+B2) - Body ground | Ignition switch ON | 11 to 14 V |
| E47-9 (IGSW) - Body ground | Ignition switch ON | 11 to 14 V |

NG**REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****REPLACE ECM**