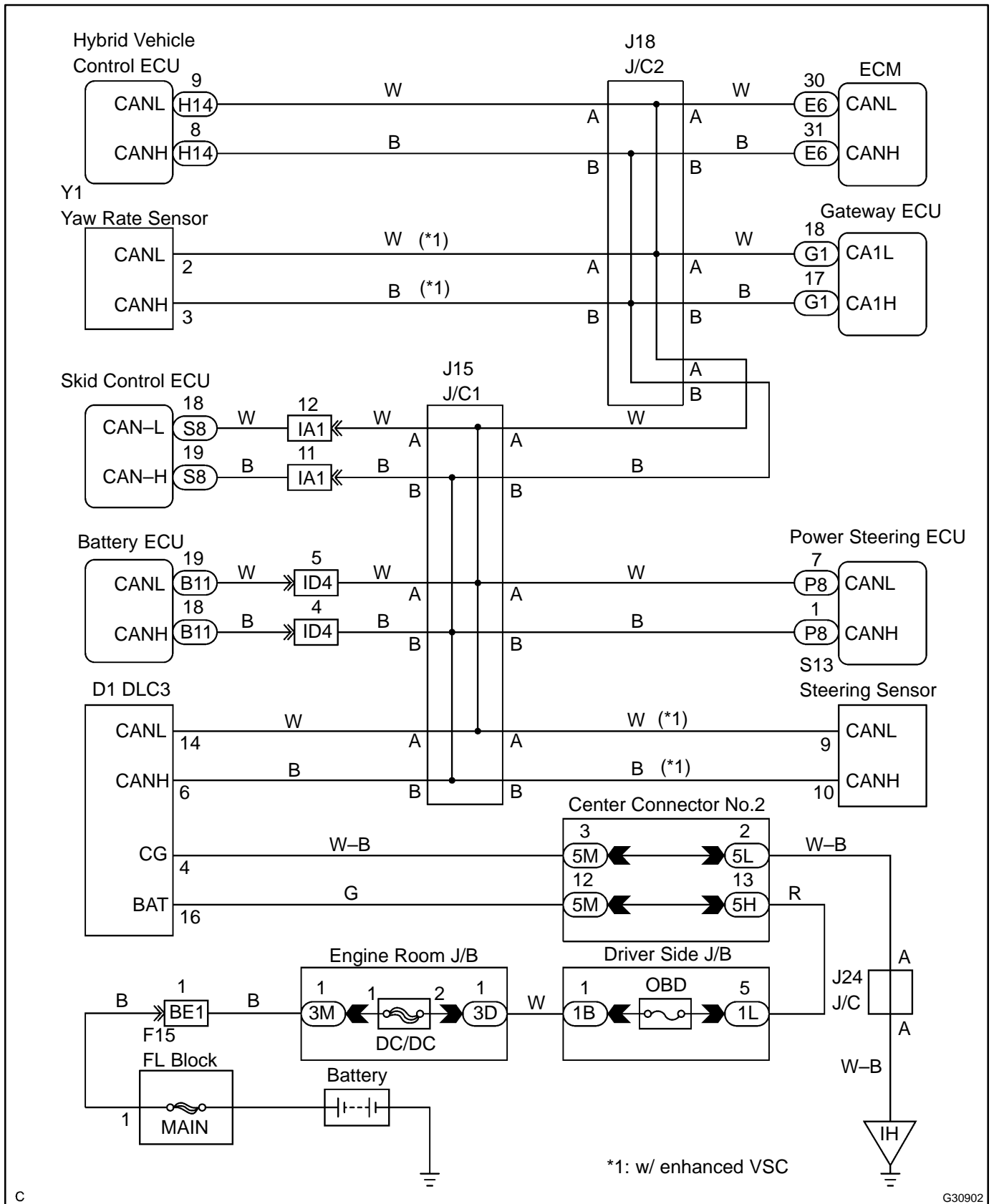


## CHECK CAN BUS LINE

### CIRCUIT DESCRIPTION

When any DTC for the CAN communication system is output, first measure the resistance between the terminals of DLC3 to specify the trouble area, and check that there is no short in the CAN main bus line, between the CAN bus lines, to +B, or to GND.

# WIRING DIAGRAM

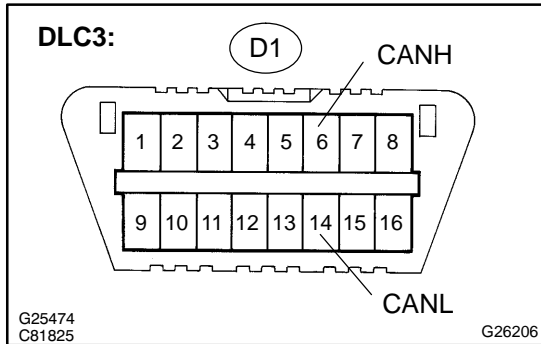


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## INSPECTION PROCEDURE

### 1 CHECK CAN BUS LINE(MAIN BUS LINE FOR DISCONNECTION, BUS LINES FOR SHORT CIRCUIT)



- (a) Turn the power switch off.
- (b) Measure the resistance according to the value(s) in the table below.

**Standard:**

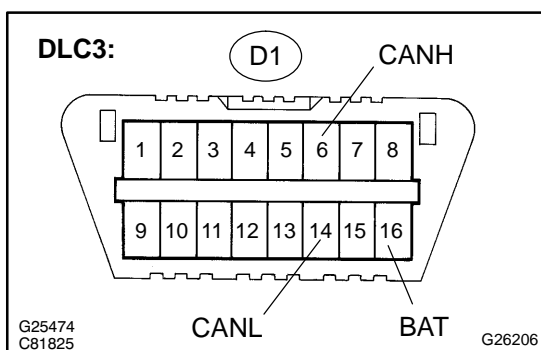
Tester connection	Condition	Specified value	Result
D1-6 (CANH) - D1-14 (CANL)	Power Switch OFF	54 to 69 Ω	OK
D1-6 (CANH) - D1-14 (CANL)	Power Switch OFF	69 Ω or more	NG-A
D1-6 (CANH) - D1-14 (CANL)	Power Switch OFF	54 Ω or less	NG-B

**NG-A** CHECK CAN MAIN BUS LINE FOR DISCONNECTION (SEE PAGE 05-2640)

**NG-B** CHECK CAN BUS LINES FOR SHORT CIRCUIT (SEE PAGE 05-2645)

**OK**

### 2 CHECK CAN BUS LINE FOR SHORT TO +B



- (a) Measure the resistance according to the value(s) in the table below.

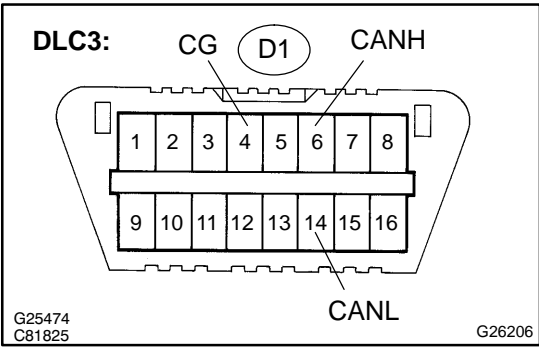
**Standard:**

Tester connection	Condition	Specified value
D1-6 (CANH) - D1-16 (BAT)	Power Switch OFF	1 MΩ or more
D1-14 (CANL) - D1-16 (BAT)	Power Switch OFF	1 MΩ or more

**NG** CHECK CAN BUS LINE FOR SHORT TO +B (SEE PAGE 05-2656)

**OK**

**3 CHECK CAN BUS LINE FOR SHORT TO GND**



(a) Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified value
D1-4 (CG) - D1-6 (CANH)	Power Switch OFF	1 kΩ or more
D1-4 (CG) - D1-14 (CANL)	Power Switch OFF	1 kΩ or more

**NG** CHECK CAN BUS LINE FOR SHORT TO GND (SEE PAGE 05-2668)

**OK**

**HOW TO PROCEED WITH TROUBLESHOOTING (SEE PAGE 05-2602)**