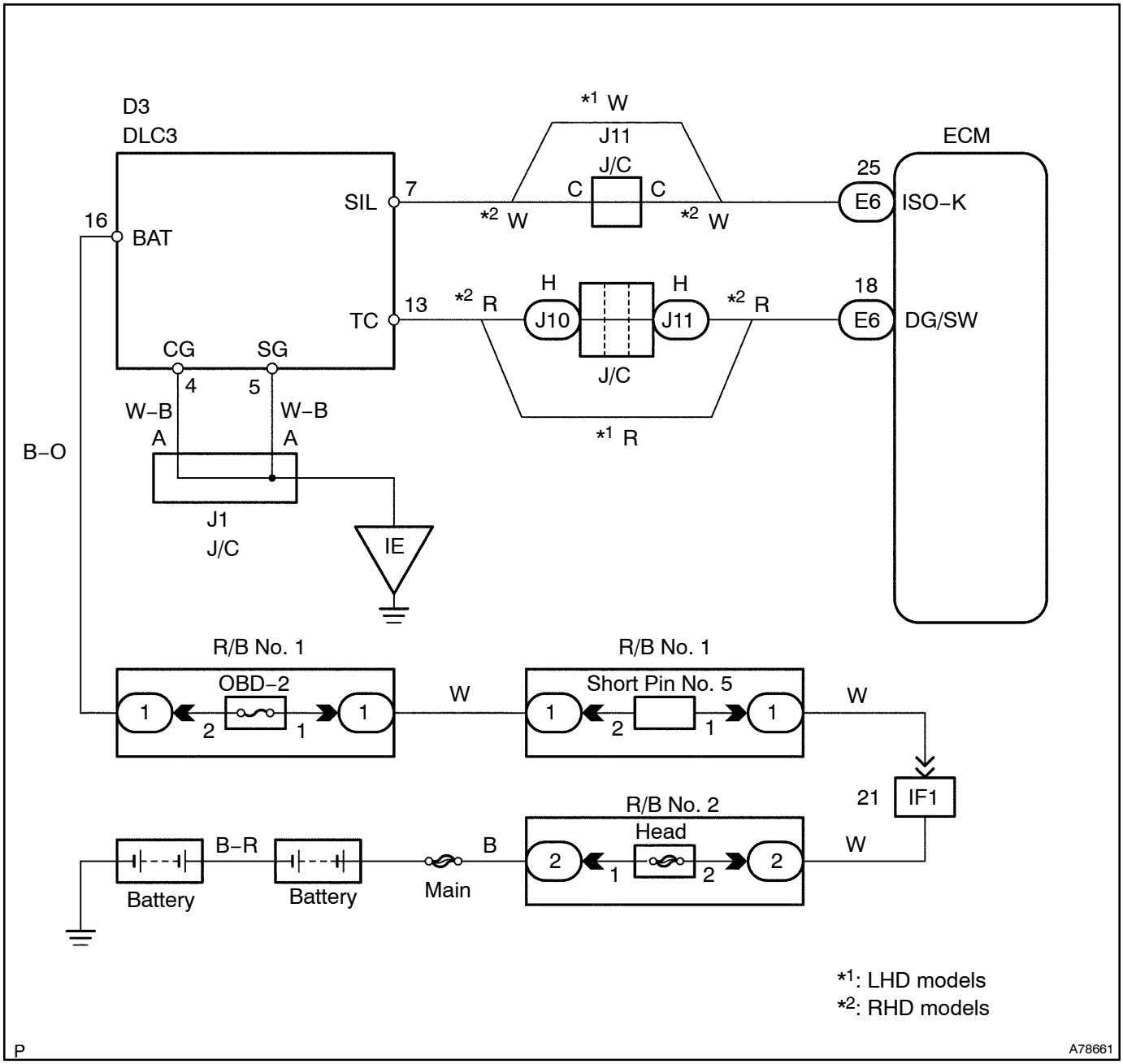
DLC3 CIRCUIT

CIRCUIT DESCRIPTION

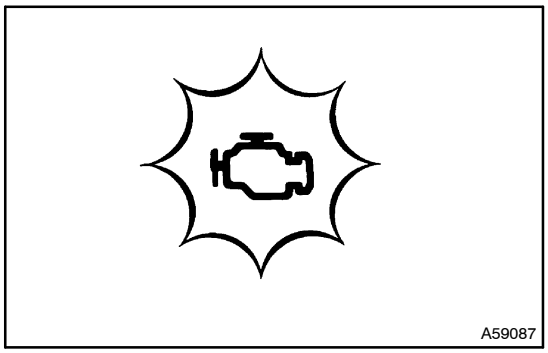
Terminals TC and CG are located in the DLC3. The DLC3 is located under the finish lower panel. When terminals TC and CG are connected, DTC in the normal mode or test mode can be read from the check engine warning light in the combination meter. Also, terminal SIL is located in the DLC3. This terminal can be used for the M–OBD communication using the hand–held tester.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK ENGINE WARNING LIGHT CONDITION



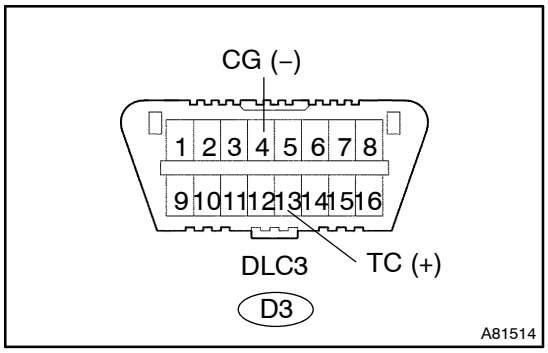
(a) Turn the ignition switch ON.
(b) Using SST, connect terminals TC and CG of the DLC3.
(c) Check the engine warning light condition.
Check engine warning light: Blinking

HINT:
If this light is found to be normal and there is no hand–held tester, you do not need to do the following steps, because this circuit is considered to be normal. Proceed to next circuit inspection shown on the problem symptoms table (See page 05–118).

OK → **Go to step 8**

NG

2 CHECK DLC3 (VOLTAGE)



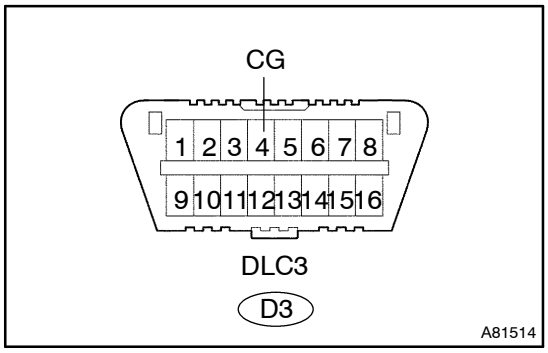
(a) Turn the ignition switch ON.
(b) Check the voltage between the terminals of the DLC3.
Voltage:

Symbols (Terminal No.)	Voltage
TC (D3–13) ⇔ CG (D3–4)	9 – 14 V

OK → **Go to step 5**

NG

3 CHECK DLC3 (CONTINUITY)



(a) Check the continuity between the terminal of the DLC3 and the body ground.
Continuity (Check for open):

Symbols (Terminal No.)	Standard
CG (D3–4) ⇔ Body ground	Continuity

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

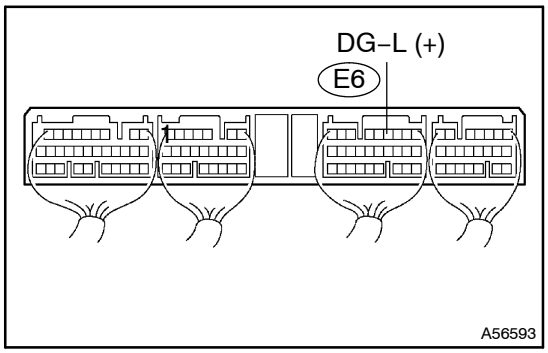
OK

4	CHECK WIRE HARNESS (ECM ⇔ DLC3) (See page 01–27)

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

5	CHECK ECM (VOLTAGE)



(a) Turn the ignition switch ON.
(b) Check the voltage between the terminal of the ECM and the body ground.

Voltage:

Symbols (Terminal No.)	Voltage
DG–L (E6–4) ⇔ Body ground	26 – 29.6 V

OK → CHECK AND REPLACE ECM

NG

6	CHECK BULB (ENGINE WARNING LIGHT)

NG → REPLACE BULB

OK

7	CHECK WIRE HARNESS (ECM ⇔ COMBINATION METER) (See page 01–27)

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

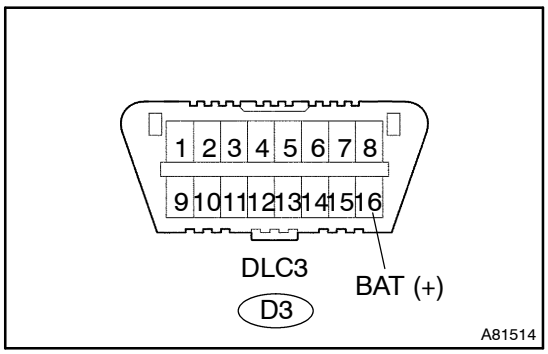
OK

8	READ OUTPUT DTC OF HAND–HELD TESTER (INCLUDING NORMAL DTC)

NG → PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05–118)

OK

9	CHECK DLC3 (VOLTAGE)



(a) Turn the ignition switch ON.
(b) Check the voltage between the terminal of the DLC3 and the body ground.

Voltage:

Symbols (Terminal No.)	Voltage
BAT (D3–16) ⇔ Body ground	26 – 29.6 V

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

10	CHECK WIRE HARNESS (ECM ⇔ DLC3) (See page 01–27)

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

CHECK AND REPLACE ECM (See page 01–27)