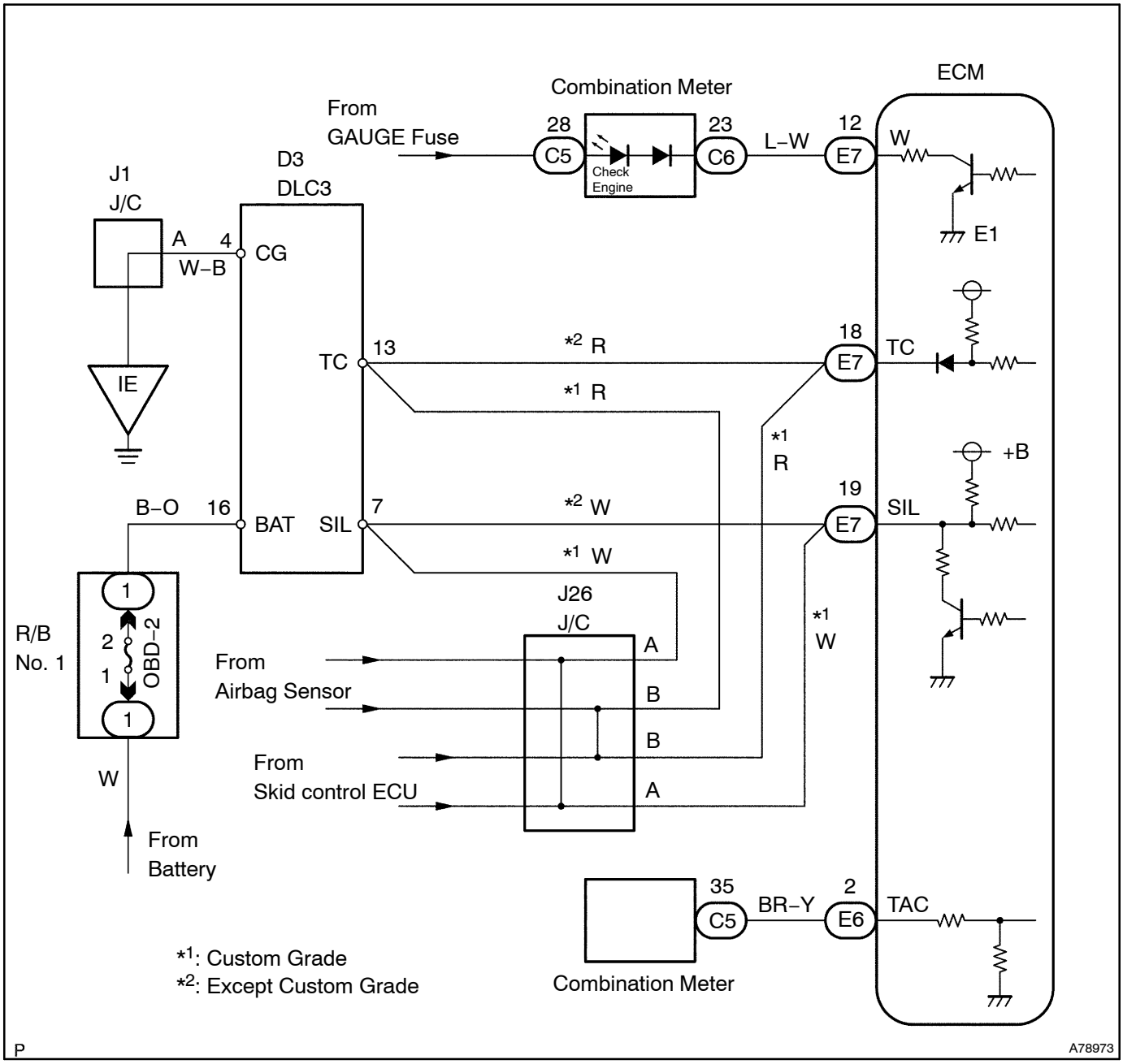
DLC3 CIRCUIT

CIRCUIT DESCRIPTION

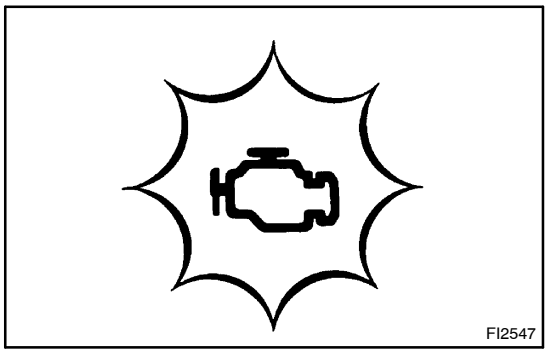
Terminals TC and CG are located in the DLC3.
The DLC3 is located under the finish lower panel. When terminals TC and CG are connected, DTC in normal mode or test mode can be read from the check engine warning light in the combination meter.
Also, terminal SIL is located in the DLC3. This terminal is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

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK ENGINE WARNING LIGHT CONDITION



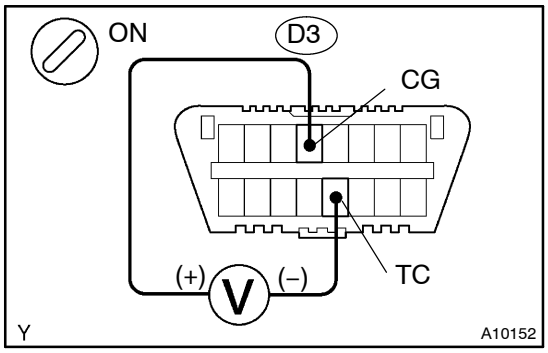
(a) Turn the ignition switch ON.
(b) Using SST, connect terminals TC and CG of the D3 DLC3.
(c) Check the lighting condition of the check engine warning light.
Check engine warning light: Blinking

HINT:
If the lighting condition is found to be OK and there is no hand–held tester, you will not need to perform the following steps, because this circuit is OK. Proceed to the next circuit inspection shown on the problem symptoms table.

OK > **Go to step 7**

NG

2	CHECK DLC3 TERMINAL VOLTAGE



(a) Turn the ignition switch ON.
(b) Measure the voltage between terminals TC and CG of the D3 DLC3.
Voltage : 18 – 27 V

OK > **Go to step 5**

NG

3	CHECK DLC3

(a) Check the continuity between terminal CG of D3 DLC3 and body ground.

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

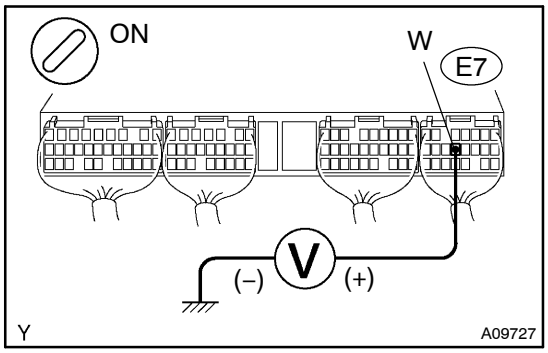
OK

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

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

5	CHECK ECM



(a) Turn the ignition switch ON.
(b) Measure the voltage between terminal W of the E7 ECM and the body ground.
Standard: 18 – 27 V

OK → CHECK AND REPLACE ECM

NG

6	CHECK BULB (CHECK ENGINE WARNING LIGHT)

NG → REPLACE BULB

OK

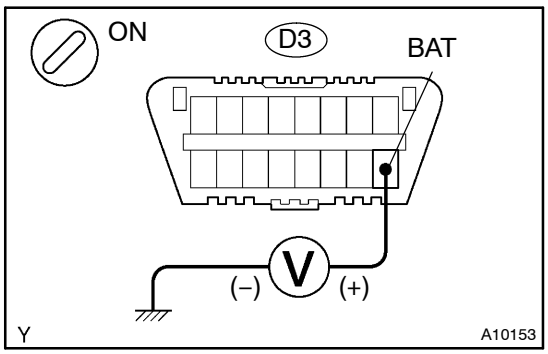
CHECK HARNESS AND CONNECTOR (TERMINAL W OF ECM ⇔ COMBINATION METER) (See page 01–27)

7	READ OUTPUT DTC OF HAND–HELD TESTER

YES → PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05–22)

NO

8	CHECK DLC3 TERMINAL VOLTAGE



(a) Turn the ignition switch ON.
(b) Measure the voltage between terminal BATT of the D3 DLC3 and body ground.
Voltage: 18 – 27 V

OK → **CHECK HARNESS AND CONNECTOR (SIL CIRCUIT OF DLC3 ⇔ ECM) (See page 01–27)**

NG

CHECK HARNESS AND CONNECTOR