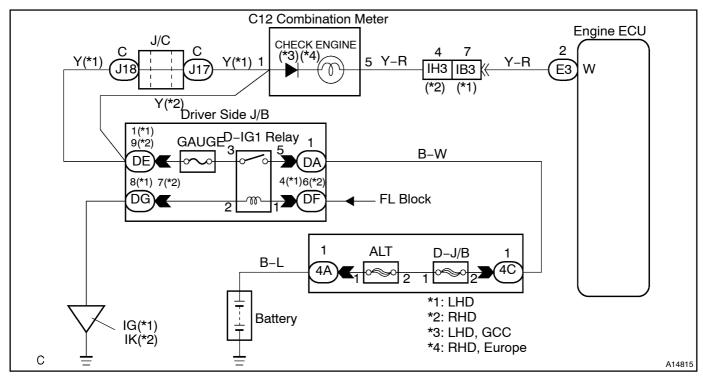DI6QO–09

Check Engine Warning Light Circuit Malfunction

CIRCUIT DESCRIPTION

If the engine ECU detects trouble, the Check engine warning lights up. At this time, the engine ECU records a DTC in memory.

WIRING DIAGRAM

A14815

INSPECTION PROCEDURE

HINT:

Troubleshoot in accordance with the chart below for each trouble symptom.

Check engine warning light does not light up	Start inspection from step 1 in case of using hand–held tester and start from step 2 in case of not using hand–held tester
Check engine warning light remains on	After inspection of step 3, start inspection from step 4 in case of using hand–held tester and start from step 5 in case of not using hand–held tester

1	Check operation of check engine warning light.

PREPARATION:

(a)   Connect the hand–held tester to the DLC3.

(b)   Turn the ignition switch ON and push the hand–held tester main switch ON.

(c)   Switch the hand–held tester from the normal mode to the check mode.

CHECK:

Check if the check engine warning light blinks.

OK:

    The check engine warning light blinks.

> OK > Check and replace engine ECU (See page IN–35).

NG

| 2 | Check check engine warning light. |

See combination meter troubleshooting (See page BE–14).

> NG > Repair or replace bulb or combination meter assembly.

OK

| 3 | Check that engine ECU connectors are securely connected to engine ECU. |

> NO > Connect connector to engine ECU.

YES

Check for open circuit in harness and connector between combination meter and engine ECU (See page IN–35).

| 4 | Check operation of check engine warning light (See step 1). |

> OK > Check and replace engine ECU (See page IN–35).

NG

5	Is DTC output?

Check DTC on page DI–4.

> YES 〉 **Repair circuit indicated by output code.**

NO

6	**Check ignition relay (Marking: IG1).**

> NG 〉 **Replace IG1 relay.**

OK

Check for short circuit in harness and connector between DLC3 and engine ECU (See page IN–35).