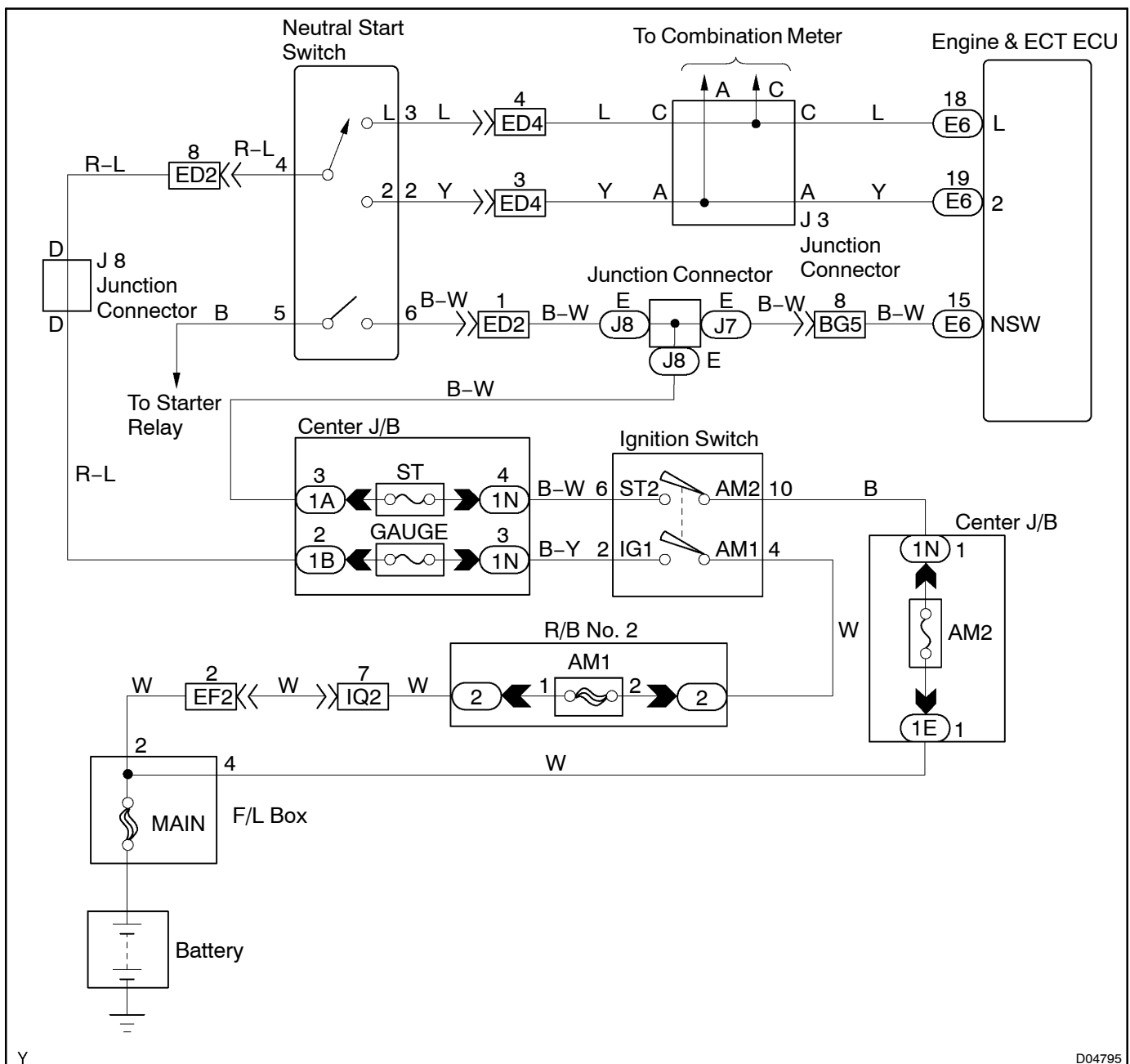


Neutral Start Switch Malfunction

CIRCUIT DESCRIPTION

The neutral start switch detects the shift lever range and sends signals to the Engine & ECT ECU. The Engine & ECT ECU receives signals (NSW, R, 2 and L) from the neutral start switch. When the signal is not sent to the Engine & ECT ECU from the neutral start switch, the Engine & ECT ECU judges that the shift lever is in D range.

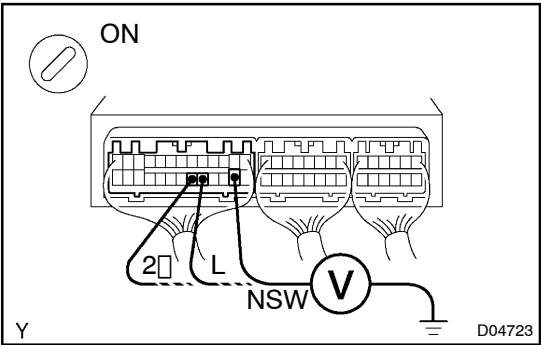
WIRING DIAGRAM



INSPECTION PROCEDURE

1

Read NSW, 2ND and LOW signals.



PREPARATION:
Turn the Ignition switch ON.

CHECK:
Measure voltage between terminals NSW, 2, L and R of the Engine & ECT ECU and body ground when the shift lever is shifted to the following ranges.

OK:

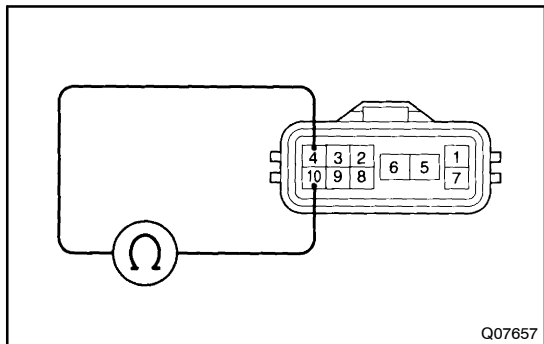
Range	NSW–Body ground	R–Body ground	2–Body ground	L–Body ground
P/N	0 V	0 V	0 V	0 V
R	9 – 14 V*	0 V	0 V	0 V
D	9 – 14 V	0 V	0 V	0 V
2	9 – 14 V	0 V	9 – 14 V	0 V
L	9 – 14 V	0 V	0 V	9 – 14 V

HINT:
*: The voltage will drop slightly due to lighting up the back up light.

OK

Check and replace the Engine & ECT ECU (See page IN-30).

NG

2 Check neutral start switch.**PREPARATION:**

- (a) Jack up the vehicle.
- (b) Remove the neutral start switch.

CHECK:

Check continuity between each terminal shown below when the shift lever is moved to each range.

OK:

Shift Range	Terminal No. to continuity	Terminal No. to continuity
P	4 - 7	5 - 6
R	4 - 8	-
N	4 - 10	5 - 6
D	4 - 9	-
2	2 - 4	-
L	3 - 4	-

NG**Replace the neutral start switch.****OK**

Repair or replace harness and connector between battery and neutral start switch, neutral start switch and Engine & ECT ECU (See page IN-30).