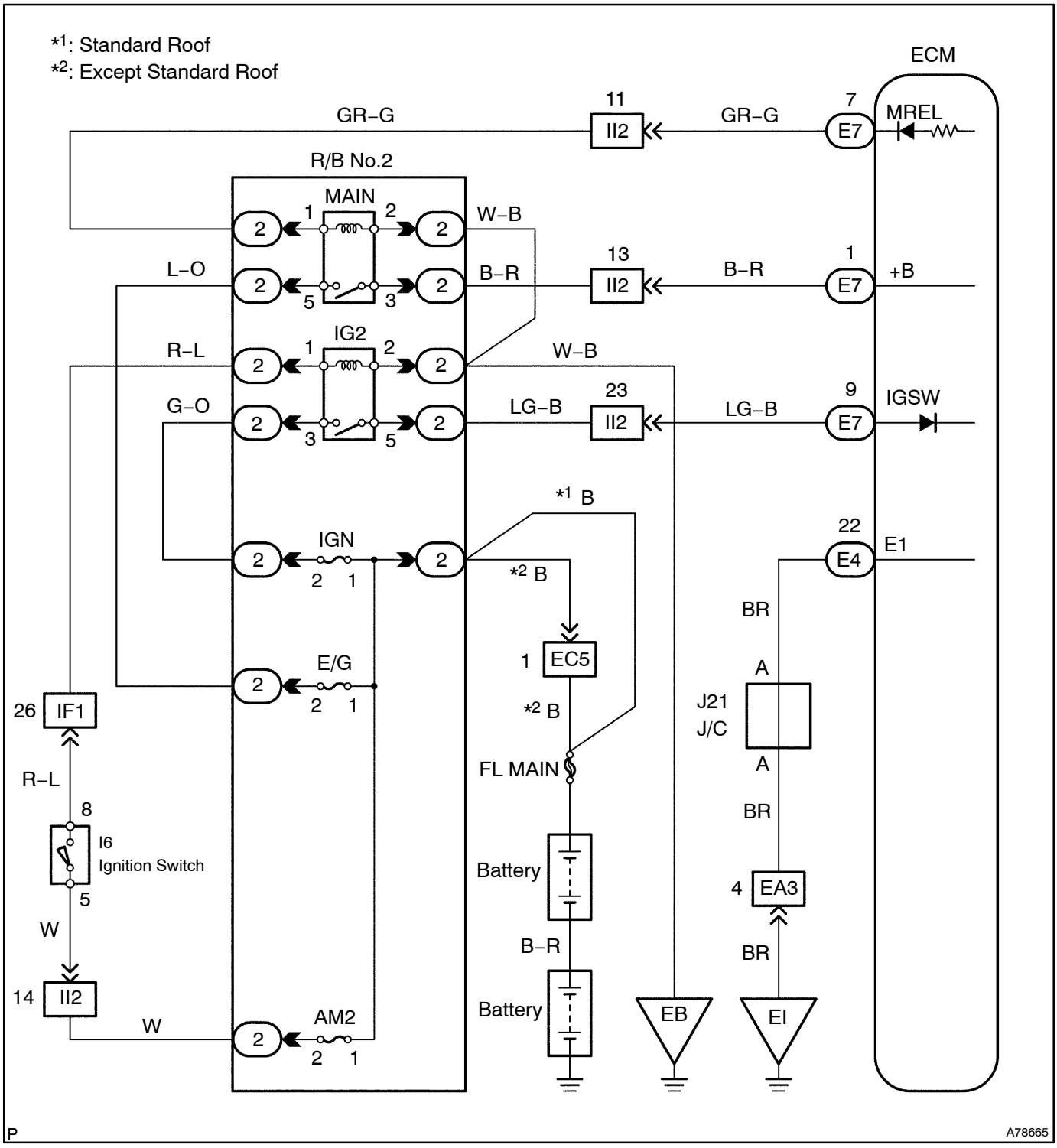
ECM POWER SOURCE CIRCUIT

CIRCUIT DESCRIPTION

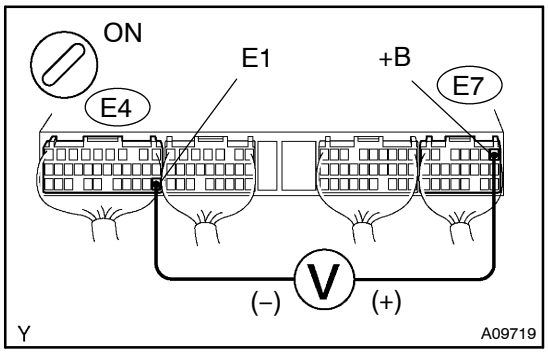
When the ignition switch is turned ON, battery positive voltage is applied to the coil, closing the contacts of the ECD main relay (Marking: MAIN) and supplying power to the terminal +B of the ECM.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK ECM



(a) Turn the ignition switch ON.
(b) Measure the voltage between terminals +B and E1 of the E4 and E7 ECM connectors.
voltage: 18 – 27 V

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

NG

2	CHECK WIRE HARNESS (TERMINAL E1 OF ECM ⇔ BODY GROUND) (See page 01–27)

NG	REPAIR OR REPLACE HARNESS AND CONNECTOR

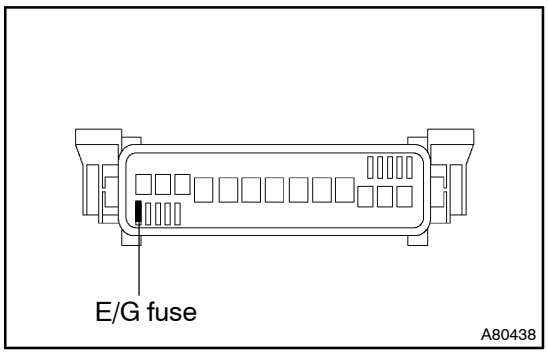
OK

3	CHECK RELAY (ECD RELAY) (See page 10–1)

NG	REPLACE RELAY

OK

4	CHECK FUSE



(a) Remove the E/G fuse.
(b) Check the continuity of the fuse.
Standard: Continuity

NG	REPLACE FUSE

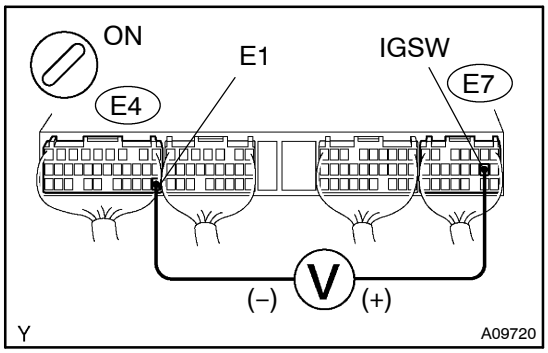
OK

5	CHECK WIRE HARNESS (MAIN RELAY ⇔ ECM, BATTERY) (See page 01–27)

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

6	CHECK ECM



(a) Turn the ignition switch ON.
(b) Measure the voltage between terminals IGSW and E1 of the E4 and E7 ECM connectors.
Standard: 18 – 27 V

OK → Go to step 9

NG

7	CHECK IGNITION SWITCH (See page 80–2)

NG → REPLACE IGNITION SWITCH

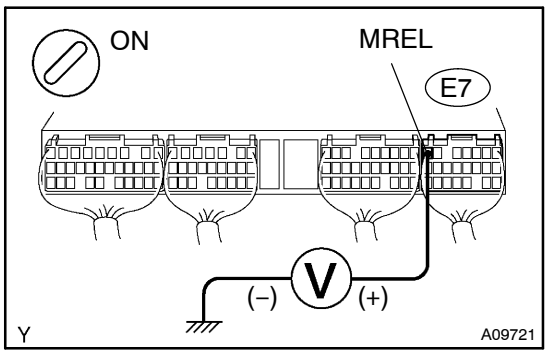
OK

8	CHECK WIRE HARNESS (IGNITION SWITCH ⇔ ECM) (See page 01–27)

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

9	CHECK ECM



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

NG

10	CHECK WIRE HARNESS (ECD RELAY ⇔ ECM, BODY GROUND) (See page 01–27)

OK

CHECK AND REPLACE ECM (See page 01–27)