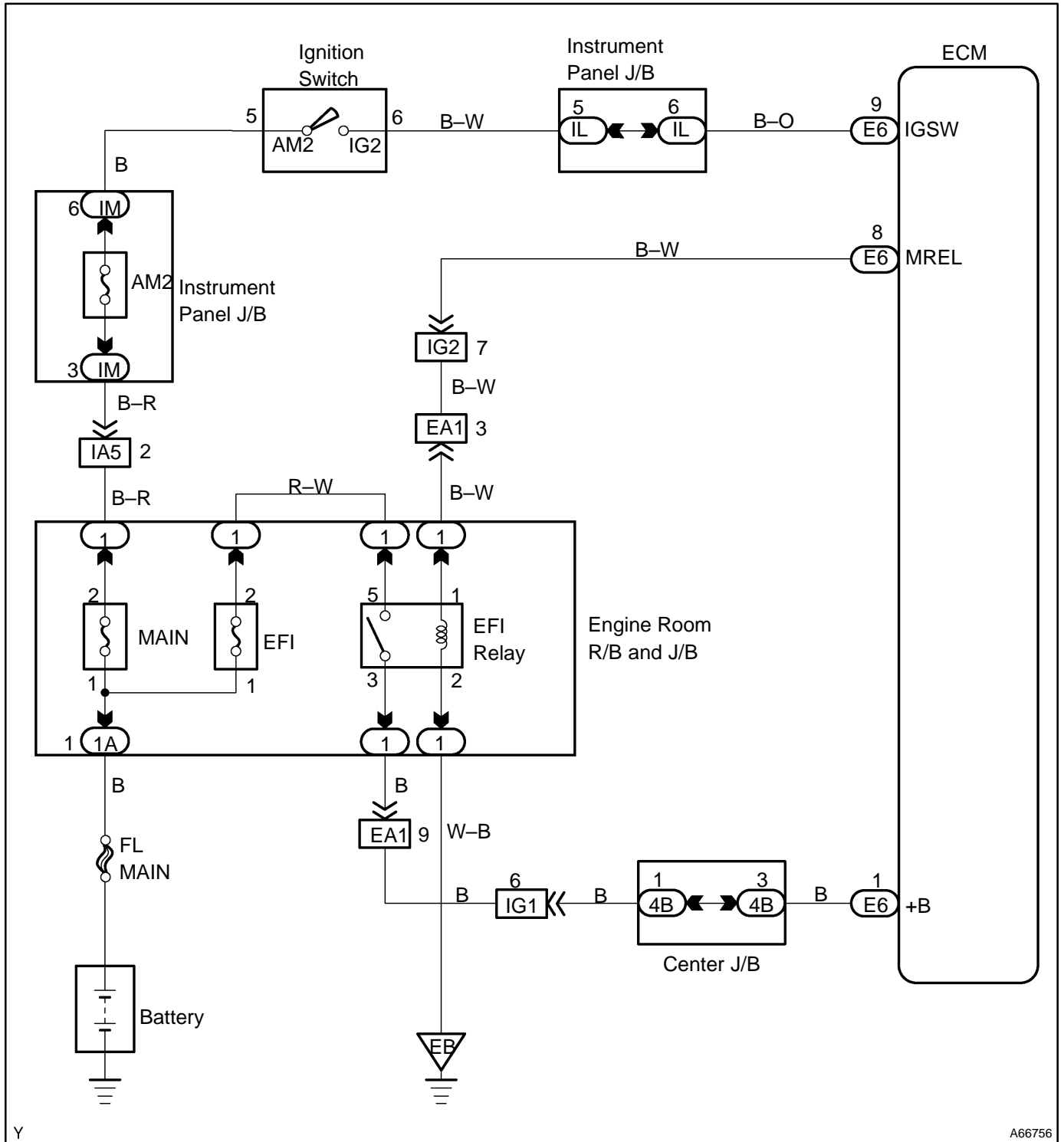


ECM POWER SOURCE CIRCUIT

CIRCUIT DESCRIPTION

When the ignition switch is turned ON, battery positive voltage is applied to the coil which closes the contacts of the E.F.I. relay (Marking: E.F.I.) and supplies power to the terminal +B of the ECM.

WIRING DIAGRAM

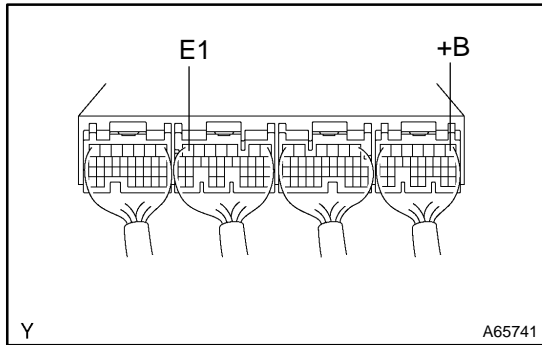


Y

A66756

INSPECTION PROCEDURE

1 INSPECT ECM

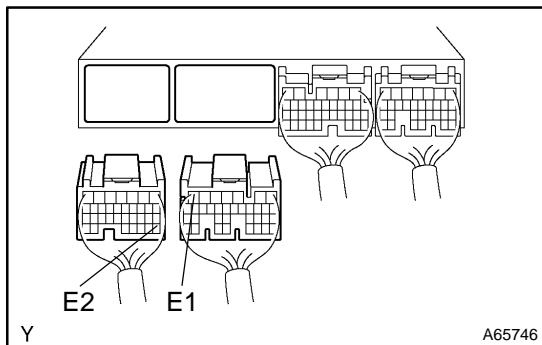


- (a) Turn the ignition switch ON.
- (b) Measure voltage between the terminals +B of the ECM connector and E1 of the ECM connector.
Voltage: 9 – 14 V

OK → CHECK AND REPLACE ECM

NG

2 CHECK HARNESS AND CONNECTOR(ECM GROUND)

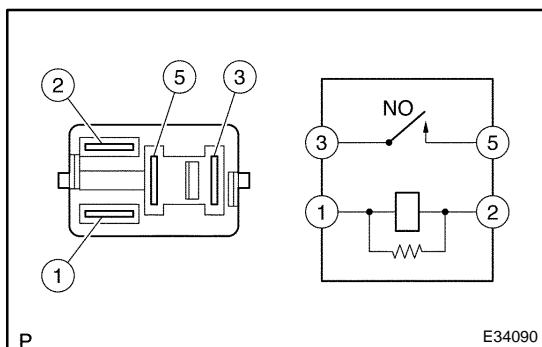


- (a) Disconnect the battery negative (-) terminal.
- (b) Disconnect the ECM E3 and E4 connector.
- (c) Check continuity between the terminal E1 of the ECM connector and body ground.
Resistance: 1 Ω or less
- (d) Check continuity between the terminal E2 of the ECM connector and body ground.
Resistance: 1 Ω or less

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

3 CHECK RELAY(E.F.I. RELAY)



- (a) Remove the E.F.I. relay.
- (b) Check continuity between the terminals shown below.
Resistance:

TERMINAL NO.	RESISTANCE
1 - 2	1 Ω or less
3 - 5	1 MΩ or more

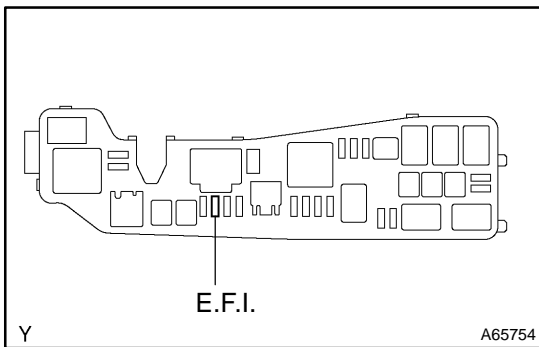
- (c) Check continuity between the terminals 3 and 5 of the connector when the battery voltage is applied to the terminals between 1 and 2.
Resistance:

TERMINAL NO.	RESISTANCE
3 - 5	1 Ω or less

NG → REPLACE RELAY

OK

4 CHECK FUSE(E.F.I. FUSE)

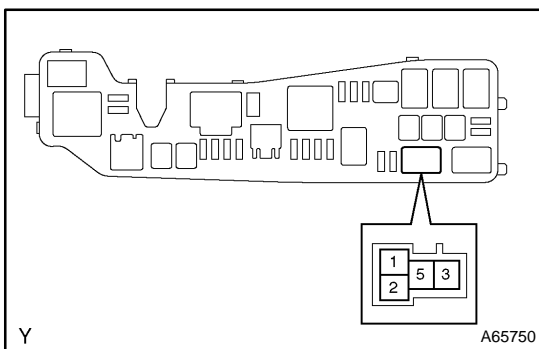


- (a) Remove the E.F.I. fuse.
- (b) Check continuity of E.F.I. fuse.
Resistance: 1 Ω or less

NG → REPLACE FUSE

OK

5 CHECK RELAY OPERATION(E.F.I. RELAY)



- (a) Remove the E.F.I. relay.
- (b) Confirm that the E.F.I. relay operates normally when turning the ignition switch ON.

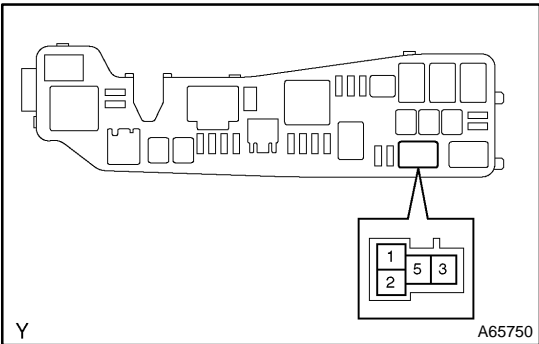
Result:

E.F.I. relay operation sound is heard successively when turning the ignition switch ON.

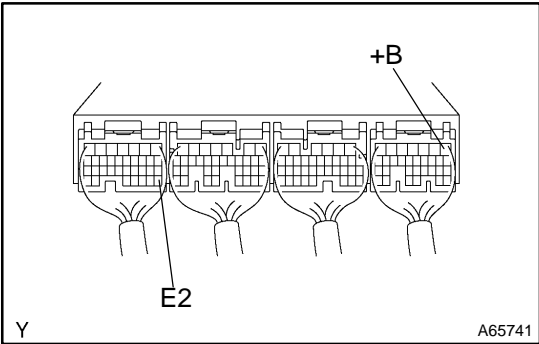
NG → Go to step 9

OK

6 CHECK HARNESS AND CONNECTOR(ECM-E.F.I.RELAY)



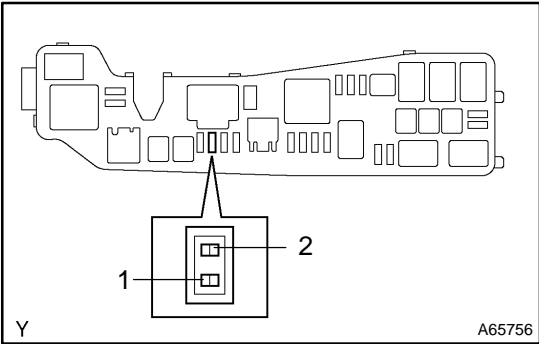
- (a) Disconnect the battery negative (-) terminal.
- (b) Remove the E.F.I. relay.
- (c) Check continuity between the terminals 1 of the E.F.I. relay in the engine room R/B and +B of the ECM connector.
Resistance: 1 Ω or less
- (d) Check short between the terminals 1 of the E.F.I. relay in the engine room R/B and E2 of the ECM.
Resistance: 1 MΩ or more



NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

7 CHECK HARNESS AND CONNECTOR(E.F.I. FUSE-BATTERY)



- (a) Disconnect the battery negative (-) connector.
- (b) Remove the E.F.I. fuse.
- (c) Check continuity between the terminals 1 of the E.F.I. fuse holder in the engine room R/B and negative (-) of the battery.

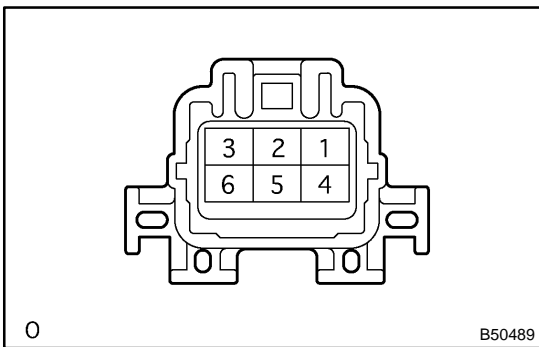
NOTICE:
Do not insert the tester leads hard in the procedure (c), or the holder may be damaged.

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE ECM

8 INSPECT IGNITION OR STARTER SWITCH ASSY



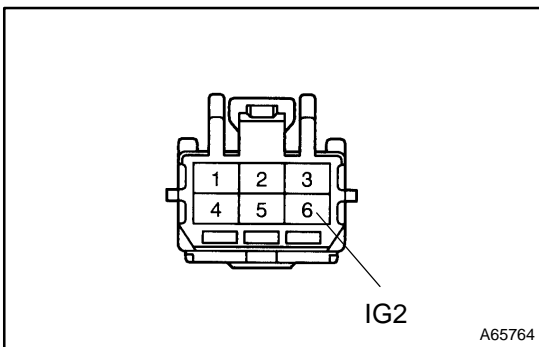
(a) Check continuity between the connector terminals shown in the chart below.

Switch	Terminal No.	Resistance
LOCK	All Terminals	1MΩ or more
ACC	1-3	1Ω or less
ON	1-2-3 5-6	1Ω or less
START	4-5-6 1-2	1Ω or less

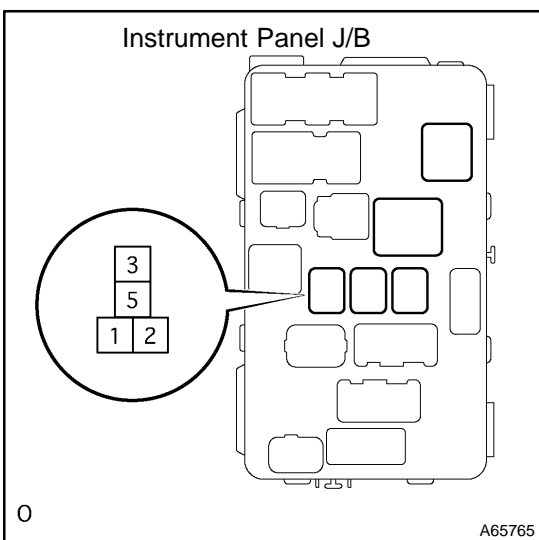
NG → **REPLACE IGNITION OR STARTER SWITCH ASSY**

OK

9 CHECK HARNESS AND CONNECTOR(IGNITION SWITCH-E.F.I. CIRCUIT OPENING RELAY)



- (a) Disconnect the battery negative (-) terminal.
- (b) Remove the E.F.I. circuit opening relay.
- (c) Disconnect the ignition switch connector.
- (d) Check continuity between the terminals IG2 of the ignition switch connector and 5 of the E.F.I. circuit opening relay in the R/B.
Resistance: 1 Ω or less
- (e) Check for short between the terminal IG2 of the ignition switch and body ground.
Resistance: 1 MΩ or more



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

OK

REPLACE ECM