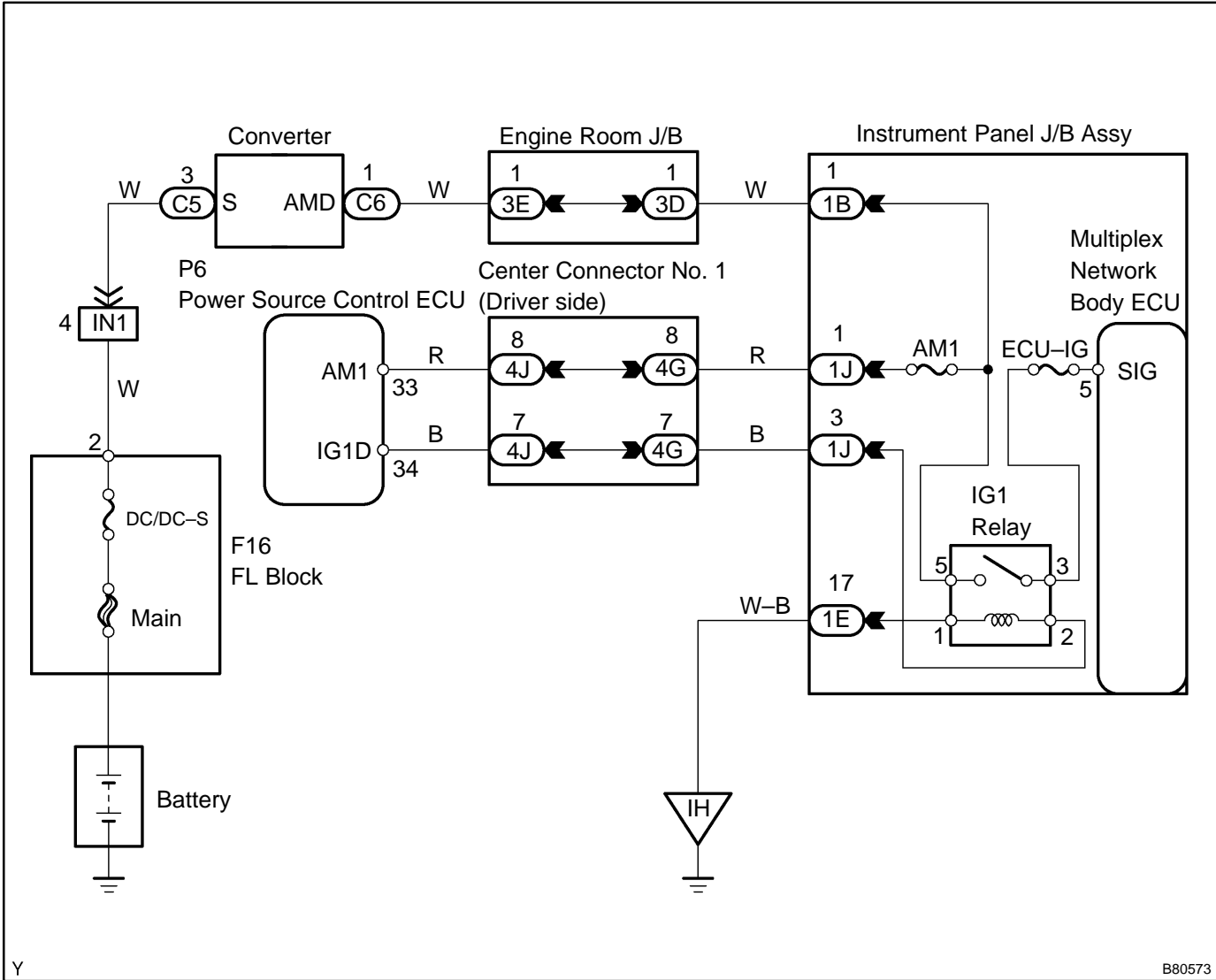


IGNITION CIRCUIT

CIRCUIT DESCRIPTION

When turning the power switch ON (IG), battery positive voltage is applied to terminal SIG of the multiplex network body ECU.

WIRING DIAGRAM



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INSPECTION PROCEDURE

1 INSPECT FUSE (ECU-IG, AM1)

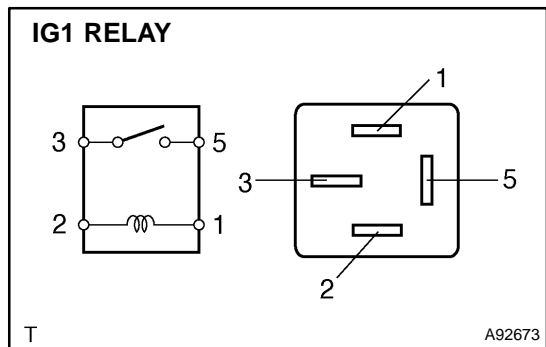
- (a) Remove the ECU-IG and AM1 fuses from the instrument panel J/B.
- (b) Measure the resistance.

Standard: Below 1 Ω

NG REPLACE FUSE

OK

2 INSPECT RELAY (IG1)



- (a) Remove the IG1 relay from the instrument panel J/B.
- (b) Check operation of the IG1 relay.

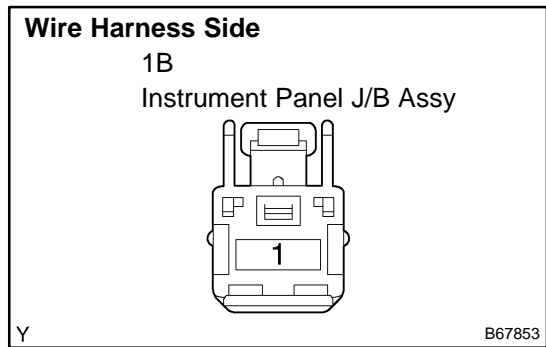
Standard:

Tester Connection	Specified Condition
3 - 5	10 kΩ or higher
3 - 5	Below 1 Ω (when battery voltage is applied to terminals 1 and 2)

NG REPLACE RELAY

OK

3 CHECK WIRE HARNESS (INSTRUMENT PANEL J/B ASSY - BATTERY)



- (a) Disconnect the 1B J/B connector.
- (b) Measure the voltage of the wire harness side connector.

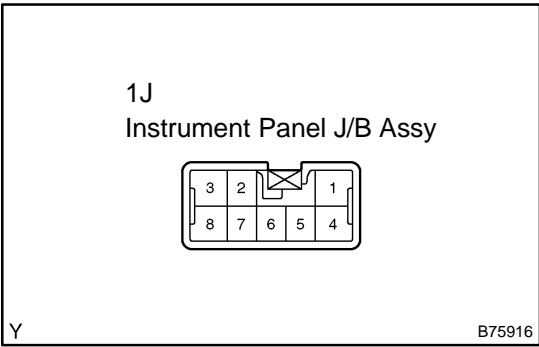
Standard:

Tester Connection	Specified Condition
1B-1 - Body ground	10 to 14 V

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

4 CHECK INSTRUMENT PANEL JUNCTION BLOCK ASSY



- (a) Measure the voltage between terminal of the connector and body ground.

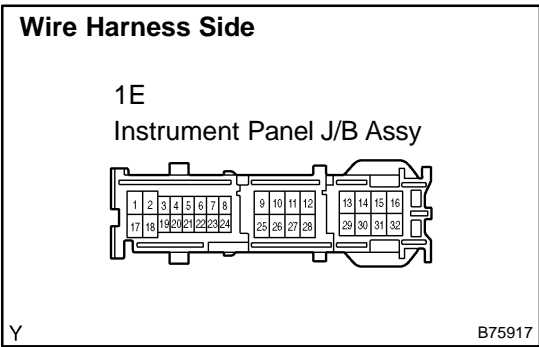
Standard:

Tester Connection	Specified Condition
1J-1 – Body ground	10 to 14 V

NG → REPLACE INSTRUMENT PANEL J/B

OK

5 CHECK WIRE HARNESS (INSTRUMENT PANEL J/B ASSY – BODY GROUND)



- (a) Disconnect the 1E J/B connector.
- (b) Measure the resistance of the wire harness side connector.

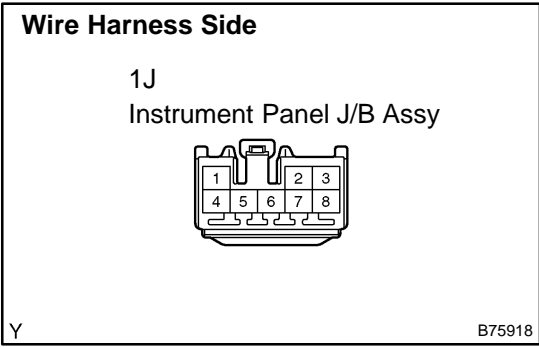
Standard:

Tester Connection	Specified Condition
1E-17 – Body ground	Below 1 Ω

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

6 CHECK POWER SOURCE CONTROL ECU (AM1, IG1D VOLTAGE)



- (a) Disconnect the 1J J/B connector.
- (b) Measure the voltage of the wire harness side connector.

Standard:

Tester Connection	Condition	Specified Condition
1J-3 – Body ground	Power Switch OFF	Below 1 V
1J-3 – Body ground	Power Switch ON (IG)	10 to 14 V

NG → Go to step 7

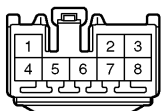
OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05-2508)

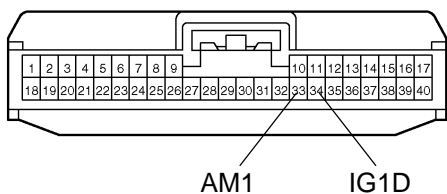
7 CHECK WIRE HARNESS (POWER SOURCE CONTROL ECU - INSTRUMENT PANEL JUNCTION BLOCK ASSY)

Wire Harness Side

1J
Instrument Panel J/B Assy



P6
Power Source Control ECU



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- (a) Disconnect the 1J J/B connector.
- (b) Disconnect the P6 ECU connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
1J-1 - P6-33 (AM1)	Below 1 Ω
1J-3 - P6-34 (IG1D)	Below 1 Ω
1J-1 - Body ground	10 kΩ or higher
1J-3 - Body ground	10 kΩ or higher

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

PROCEED TO PUSH BUTTON START SYSTEM (See page 05-2429)