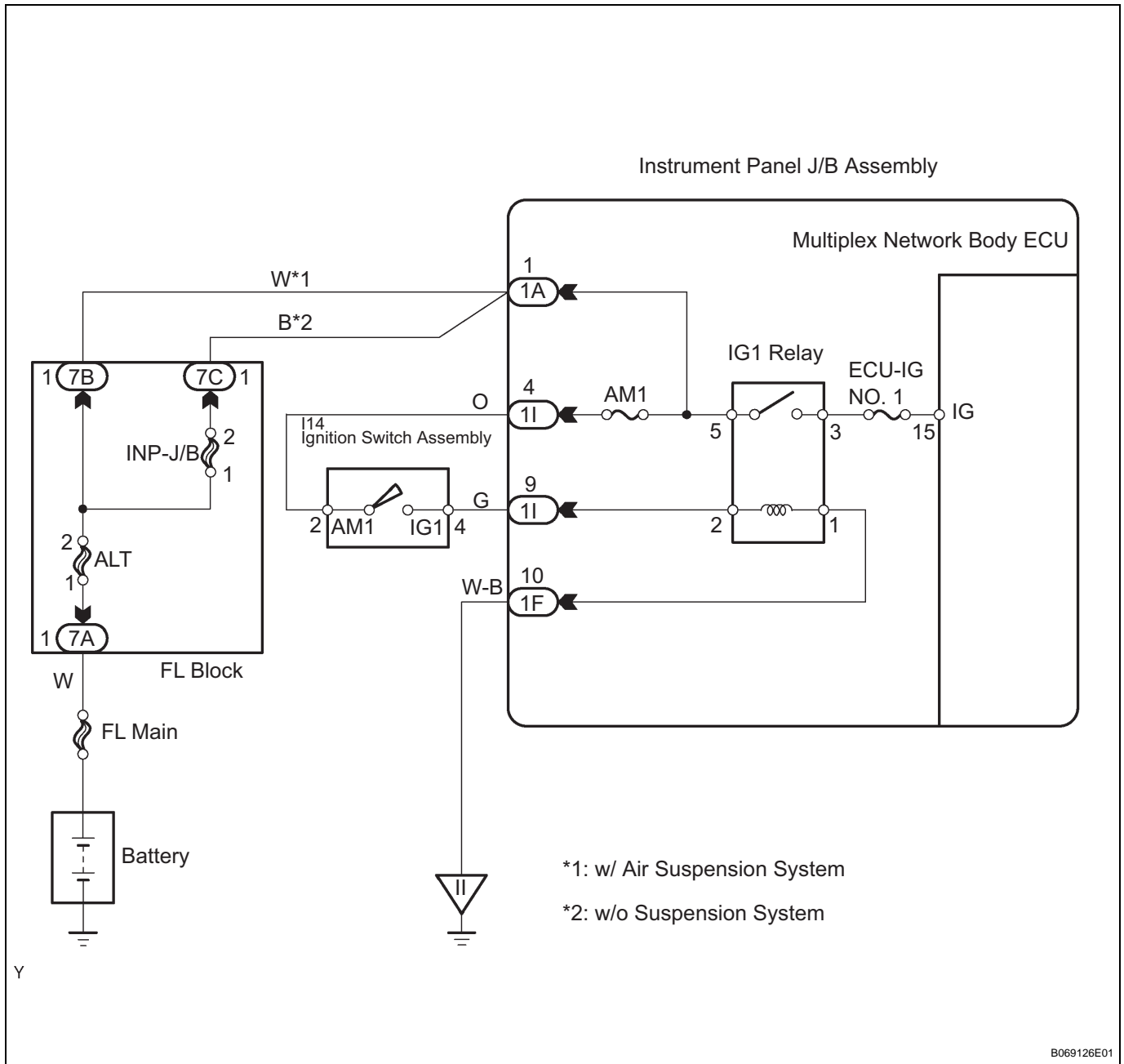


Ignition Switch Circuit

DESCRIPTION

When the ignition switch is turned to the ON position, battery positive voltage is applied to terminal IG of the multiplex network body ECU.

WIRING DIAGRAM



1 INSPECT FUSES (ECU-IG NO.1, AM1)

- Remove the ECU-IG NO.1 and AM1 fuses from the instrument panel J/B.
- Measure the resistance.

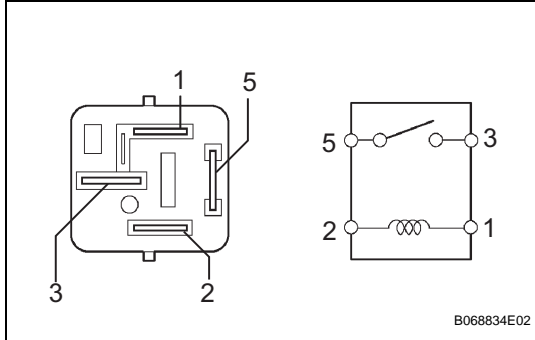
**Standard resistance:
Below 1 Ω**

NG → **REPLACE FUSE**

OK

2 INSPECT RELAY (IG1)

- (a) Install the ECU-IG NO.1 and AM1 fuses to the instrument panel J/B.
- (b) Remove the IG1 relay from the instrument panel J/B.
- (c) Measure the resistance according to the value(s) in the table below.



Standard resistance

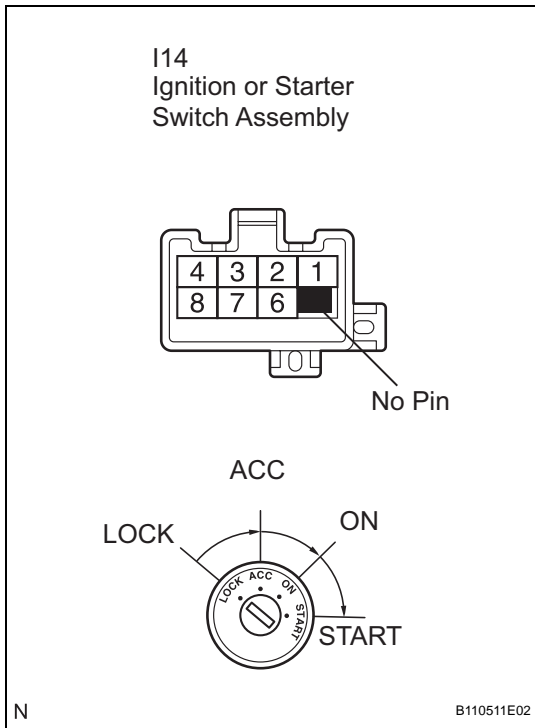
Tester Condition	Specified Condition
3 - 5	10 kΩ or higher
	Below 1 Ω (When battery voltage is applied to terminals 1 and 2)

NG → **REPLACE RELAY**

OK

3 INSPECT IGNITION OR STARTER SWITCH ASSEMBLY

- (a) Install the IG1 relay to the instrument panel J/B.
- (b) Disconnect the I14 switch connector.
- (c) Measure the resistance according to the value(s) in the table below.



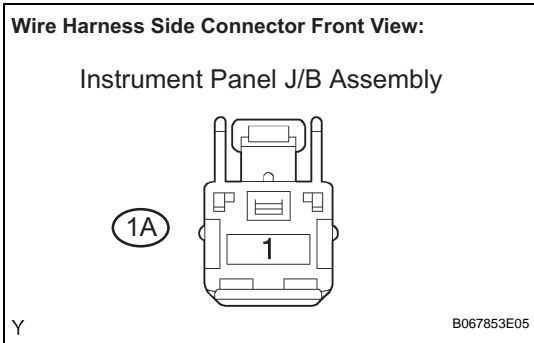
Standard resistance

Tester Connection	Switch Position	Specified Condition
2 - 4	ON	Below 1 Ω

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

OK

4 CHECK HARNESS AND CONNECTOR (BATTERY - INSTRUMENT PANEL J/B)



- (a) Connect the I14 switch connector.
- (b) Disconnect the 1A J/B connector.
- (c) Measure the voltage according to the value(s) in the table below.

Standard voltage

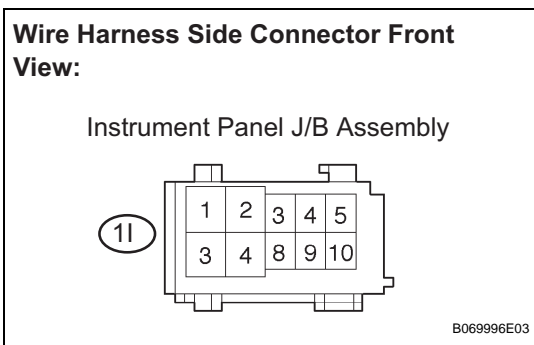
Tester Connection	Switch Position	Specified Condition
1A-1 - Body ground	Ignition switch ON	10 to 14 V

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

TD

5 CHECK HARNESS AND CONNECTOR (INSTRUMENT PANEL J/B - INSTRUMENT PANEL J/B)



- (a) Disconnect the 1I J/B connector.
- (b) Measure the resistance according to the value(s) in the table below.

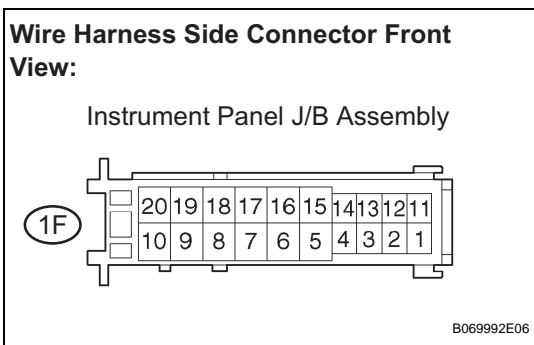
Standard resistance

Tester Connection	Switch Position	Specified Condition
1I-4 - 1I-9	Ignition switch ON	Below 1 Ω

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

6 CHECK HARNESS AND CONNECTOR (INSTRUMENT PANEL J/B (BODY ECU) - BODY GROUND)



- (a) Disconnect the 1F J/B connector.
- (b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Specified Condition
1F-10 - Body ground	Below 1 Ω

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE