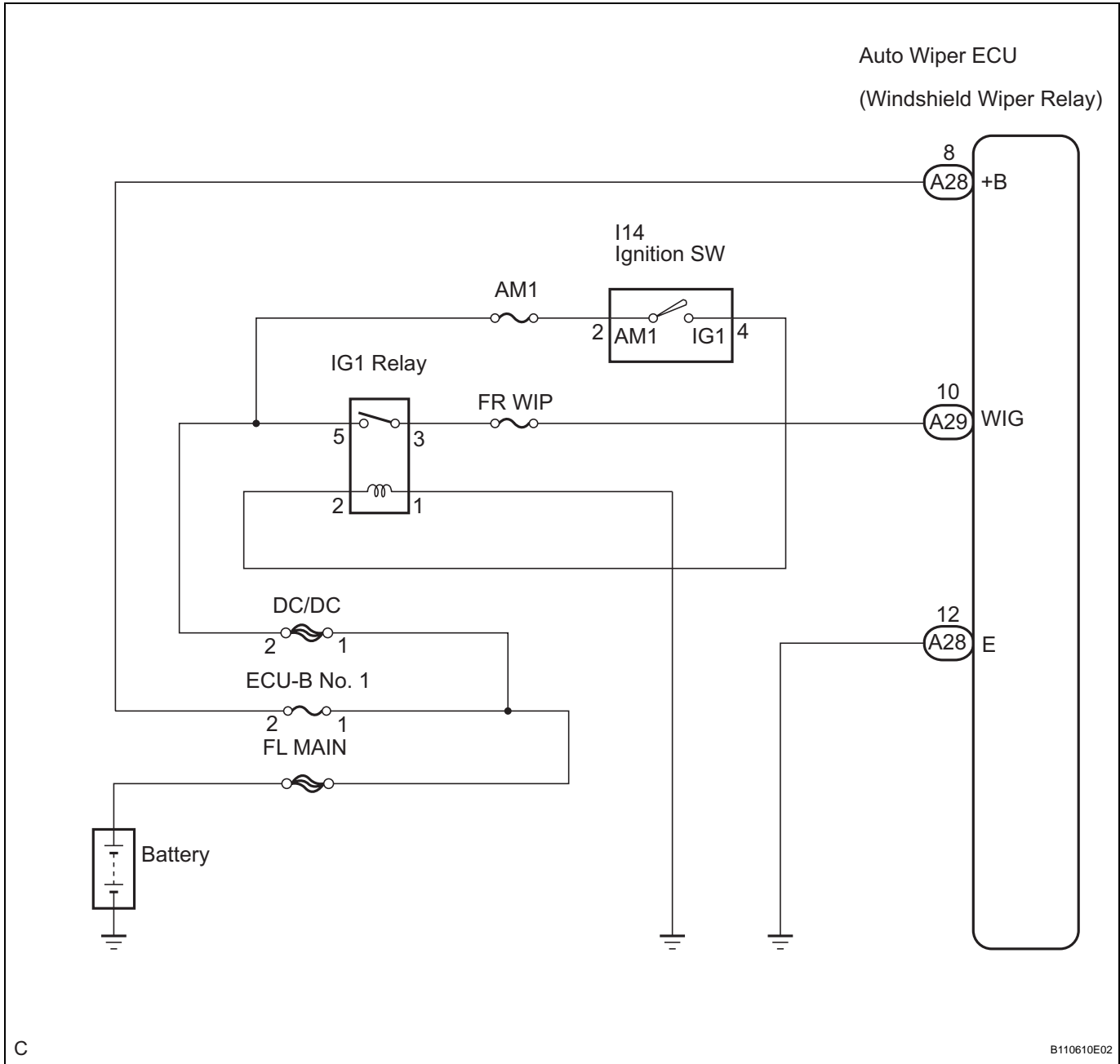


**Power Source Circuit**

**DESCRIPTION**

This circuit provides power to operate the windshield wiper relay assembly.

**WIRING DIAGRAM**



WW

C

B110610E02

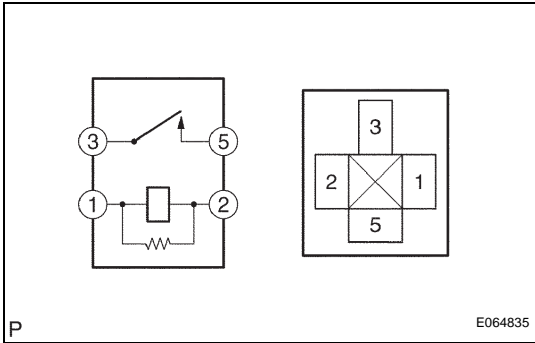
**1 INSPECT FUSE**

- (a) Inspect the AM1, FR WIP, ECU-B and INP-J/B fuses.
  - (1) Measure the resistance between each terminal.
    - Standard resistance:**
    - Below 1 Ω**

**NG** **CHECK FOR SHORT IN ALL HARNESS AND COMPONENTS CONNECTED FAILURE FUSE**

**OK**

**2 INSPECT RELAY**



- (a) Inspect IG1 relay continuity.
  - (1) Measure the resistance according to the value(s) in the table below.

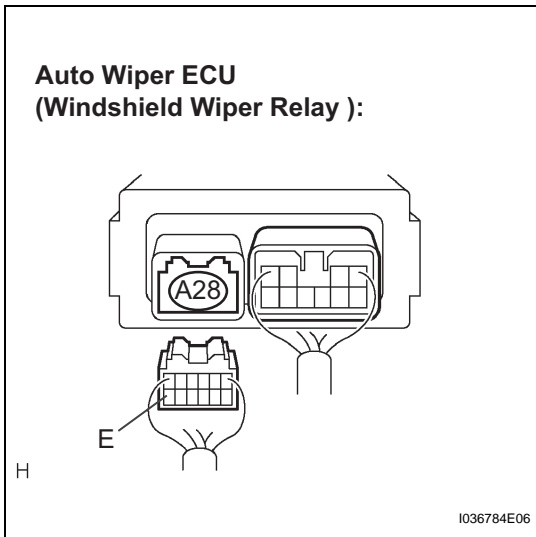
**Standard resistance**

Terminal No.	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 CHECK HARNESS AND CONNECTOR (AUTO WIPER ECU - BODY GROUND)**



- (a) Disconnect the connector from the auto wiper ECU.
- (b) Measure the resistance according to the value(s) in the table below.

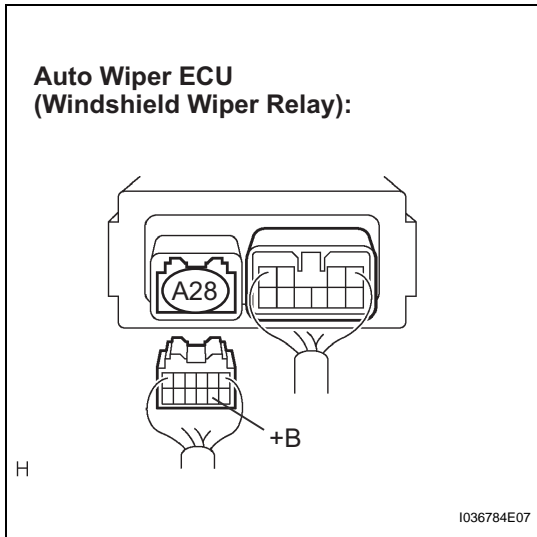
**Standard resistance**

Tester Connecting	Condition	Specified Condition
E - Body ground	Always	Below 1 Ω

**NG** **REPAIR OR REPLACE HARNESS OR CONNECTOR**

**OK**

**4 INSPECT WINDSHIELD WIPER RELAY ASSEMBLY (POWER SOURCE CIRCUIT)**



- (a) Disconnect the connector from the auto wiper ECU.
- (b) Measure the voltage according to the value(s) in the table below.

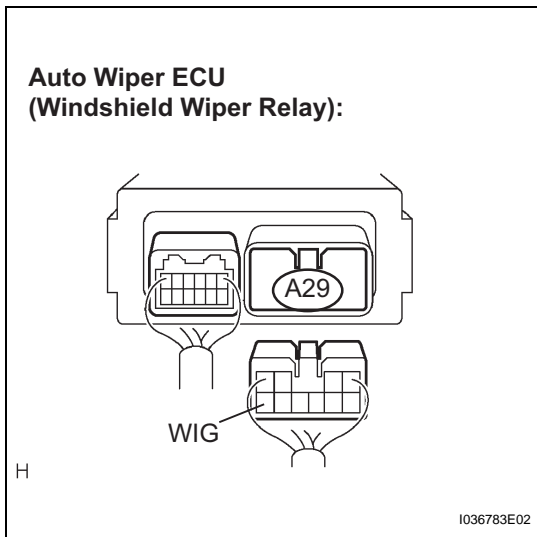
**Standard voltage**

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

**NG** REPAIR OR REPLACE HARNESS OR CONNECTOR

**OK**

**5 INSPECT WINDSHIELD WIPER RELAY ASSEMBLY**



- (a) Disconnect the connector from the auto wiper ECU.
- (b) Measure the voltage according to the value(s) in the table below.

**Standard voltage**

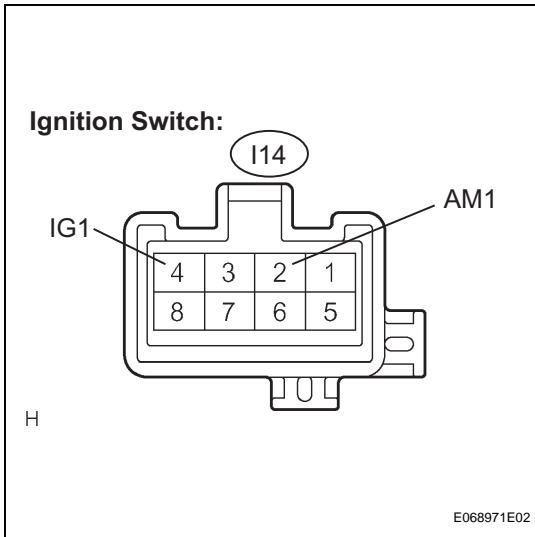
Tester Connection	Condition	Specified Condition
WIG - Body ground	Ignition Switch OFF → ON	Below 1 V → 10 to 14 V

**NG** Go to step 6

**OK**

**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE**

**6 INSPECT IGNITION SWITCH**



- (a) Disconnect the connector from the ignition switch.
- (b) Measure the resistance according to the value(s) in the table below.

**Standard resistance**

Tester connection	Condition	Specified value
AM1 - IG1	Ignition switch OFF → ON	10 kΩ or higher → Below 1 Ω

**NG** → **REPLACE IGNITION SWITCH**

**OK**

**REPAIR OR REPLACE HARNESS OR CONNECTOR**