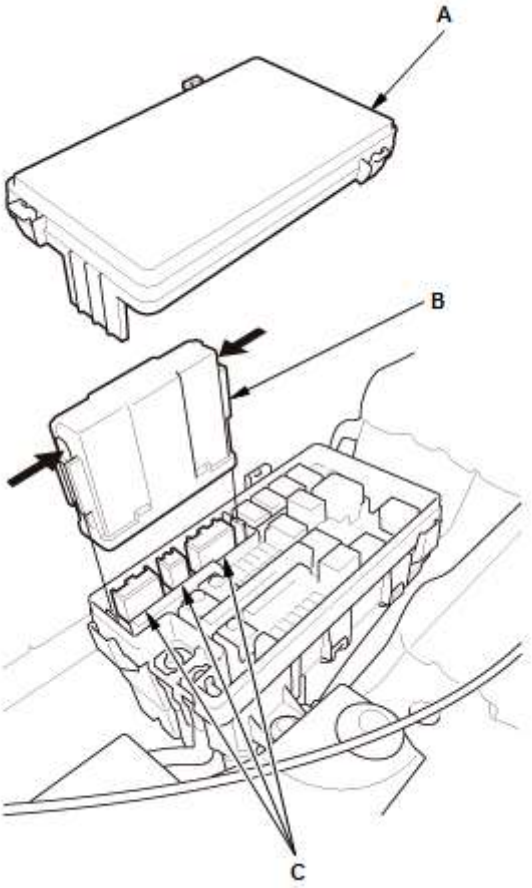
Relay Circuit Board Removal, Installation, and Test

Removal/Installation

1. Relay Circuit Board - Remove



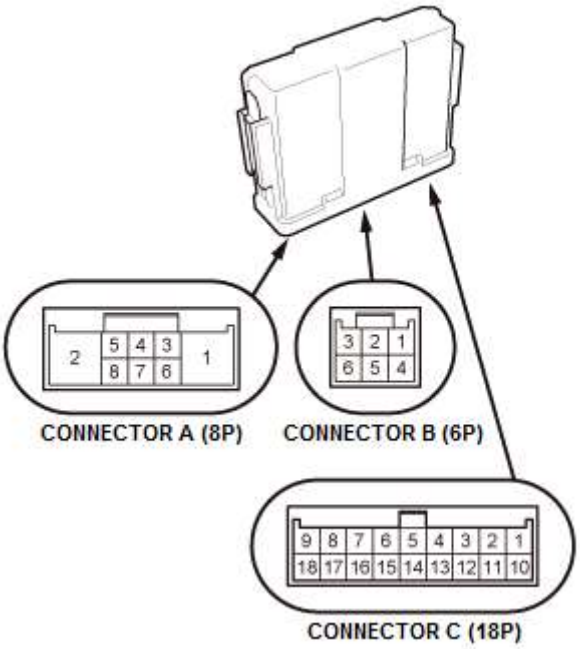
1. Remove the under-hood fuse/relay box upper cover (A).
2. Remove the relay circuit board (B).
3. Disconnect the connectors (C).

2. All Removed Parts - Install

1. Install the parts in the reverse order of removal.

Test

1. Relay Circuit Board - Test



The relay circuit board is part of the under-hood fuse/relay box, and it contains these relay circuits:

- Brake light relay circuit
- Interior lights cut relay circuit
- Ignition coil relay circuit
- PGM-FI main relay 1 circuit
- PGM-FI subrelay circuit
- Starter cut relay circuit (Without keyless access system)
- Starter cut relay 1 circuit (With keyless access system)
- Starter cut relay 2 circuit (With keyless access system)
- Windshield washer motor relay circuit

NOTE:

- Make sure the correct test lead (+or −) is placed on the terminal.
- When checking for continuity across the diode, use the diode setting (→|) on the digital volt/ohm meter to check the diode bias.
- Note this important operating characteristic; diode bias causes a diode to fully conduct electricity in one direction (forward), while not at all in the opposite direction (reverse).

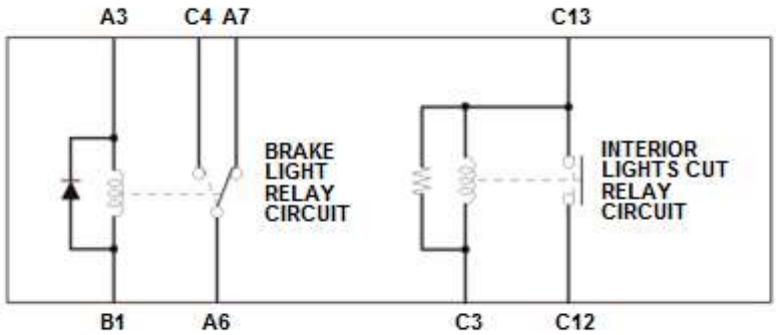
Brake Light Relay Circuit and Interior Lights Cut Relay Circuit

Brake light relay circuit

- There should be continuity between terminals C4 and A6, when 12 volt battery power is connected to terminal A3, and body ground is connected to terminal B1.
- There should be no continuity between terminals C4 and A6, and there should be continuity between terminals A7 and A6 when terminal B1 is disconnected.

Interior lights cut relay circuit

- There should be battery voltage at terminal C12 when 12 volt battery power is connected to terminal C13, and body ground is connected to terminal C3.
- There should be no voltage at terminal C12 when terminal C3 is disconnected.



Ignition Coil Relay Circuit, PGM-FI Main Relay 1 Circuit, and PGM-FI Subrelay Circuit

Ignition coil relay circuit

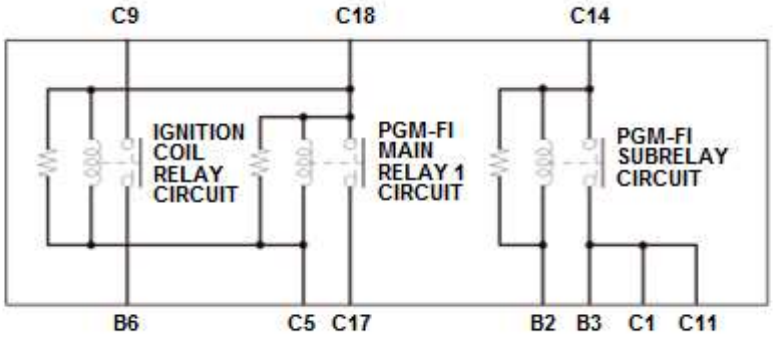
- There should be continuity between terminals C9 and B6 when 12 volt battery power is connected to terminal C18, and body ground is connected to terminal C5.
- There should be no continuity between terminals C9 and B6 when terminal C5 is disconnected.

PGM-FI main relay 1 circuit

- There should be battery voltage at terminal C17 when 12 volt battery power is connected to terminal C18, and body ground is connected to terminal C5.
- There should be no voltage at terminal C17 when terminal C5 is disconnected.

PGM-FI subrelay circuit

- There should be battery voltage at terminal B3, C1, and C11 when 12 volt battery power is connected to terminal C14, and body ground is connected to terminal B2.
- There should be no voltage at terminal B3, C1, and C11 when terminal B2 is disconnected.



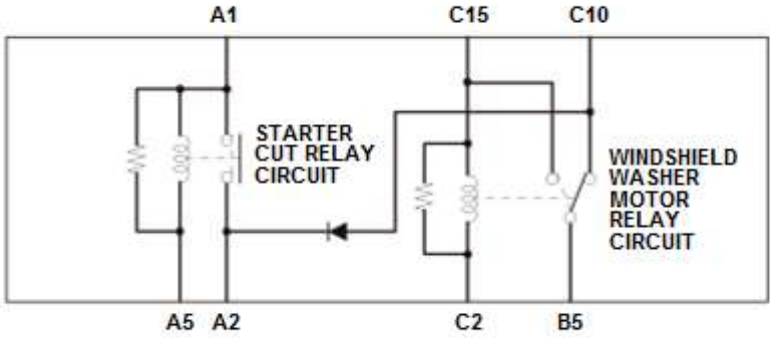
Starter Cut Relay Circuit and Windshield Washer Motor Relay Circuit (Without Keyless Access System)

Starter cut relay circuit

- There should be battery voltage at terminal A2 when 12 volt battery power is connected to terminal A1, and body ground is connected to terminal A5.
- There should be no voltage at terminal A2 when terminal A5 is disconnected.

Windshield washer motor relay circuit

- There should be battery voltage at terminal B5 when 12 volt battery power is connected to terminal C15, and body ground is connected to terminal C2.
- There should be no voltage at terminal B5 when terminal C2 is disconnected.
- There should be continuity between terminals C10 and B5 when terminal C2 is disconnected.



Starter Cut Relay 1 Circuit, Starter Cut Relay 2 Circuit, and Windshield Washer Motor Relay Circuit (With Keyless Access System)

Starter cut relay 1 circuit

- There should be continuity between terminals A1 and A8, when 12 volt battery power is connected to terminal B4, and body ground is connected to terminal A5.
- There should be no continuity between terminals A1 and A8 when terminal A5 is disconnected.

Starter cut relay 2 circuit

- There should be continuity between terminals A2 and A8, when 12 volt battery power is connected to terminal B4, and body ground is connected to terminal A4.
- There should be no continuity between terminals A2 and A8 when terminal A4 is disconnected.

Windshield washer motor relay circuit

- There should be battery voltage at terminal B5 when 12 volt battery power is connected to terminal C15, and body ground is connected to terminal C2.
- There should be no voltage at terminal B5 when terminal C2 is disconnected.
- There should be continuity between terminals C10 and B5 when terminal C2 is disconnected.