

2004 ELECTRICAL

Fuse/Relay Boxes - TSX

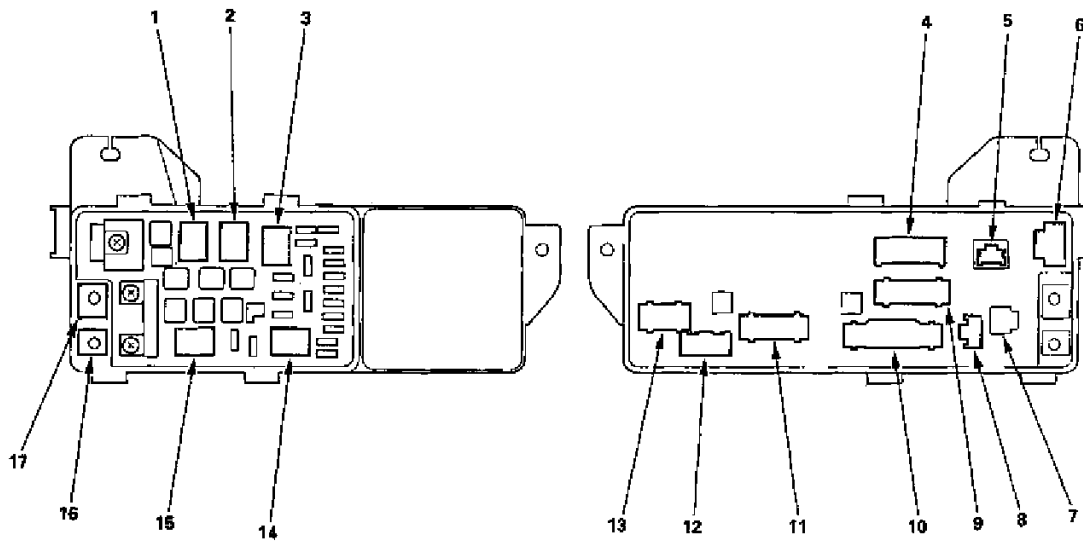
FUSE/RELAY BOXES

CONNECTOR TO FUSE/RELAY BOX INDEX

Socket	Ref	Terminal	Connects to
A/C compressor clutch relay	2	4	
A (ELD unit)	5	3	Engine compartment wire harness
B	7		Not used
Blower motor relay	1	4	
C	8	2	Engine compartment wire harness
Condenser fan relay	15	4	
D	4	9	Engine compartment wire harness
E	9	16	Engine compartment wire harness
F	10	20	Front engine compartment wire harness
G	6	2	Engine compartment wire harness
H	11	14	Front engine compartment wire harness
I	13	10	Engine compartment wire harness
J	12	5	Engine compartment wire harness
Radiator fan relay	14	4	
Rear window defogger relay	3	4	
T101	17		Starter subharness
T102	16		Starter subharness

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Fig. 1: Under-Hood Fuse/Relay Box Connector Index Table



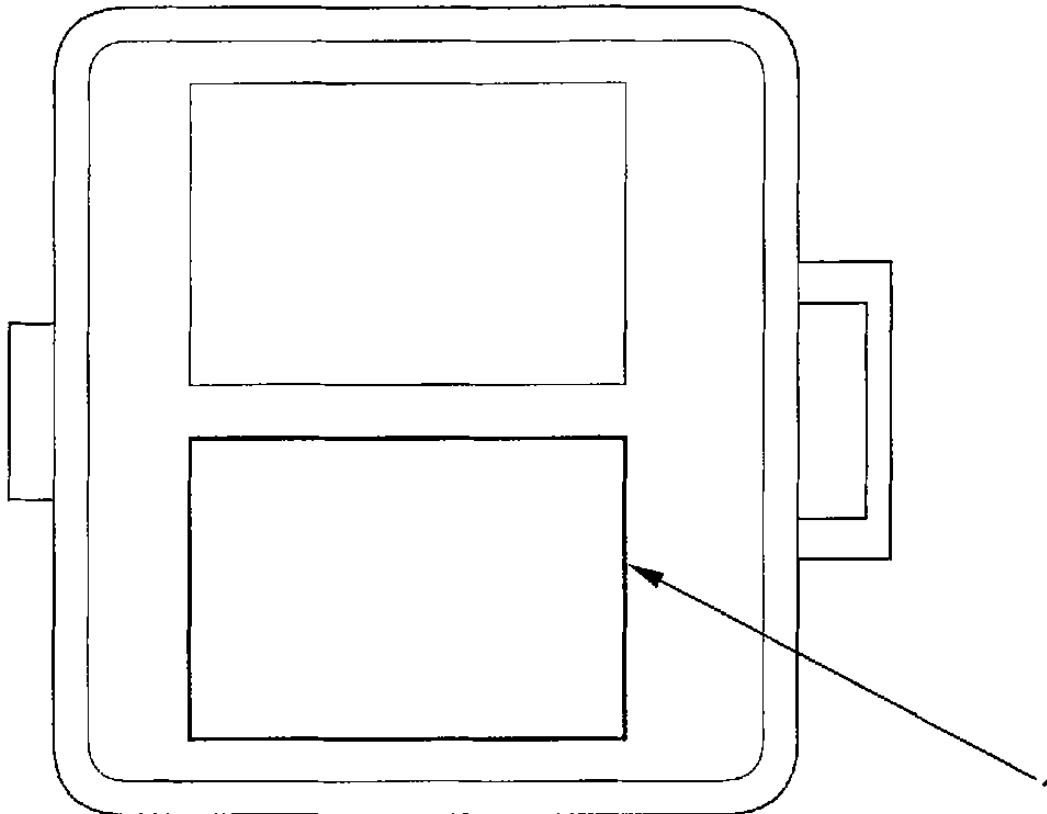
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Fig. 2: Identifying Under-Hood Fuse/Relay Box Connectors

Socket	Ref	Terminal	Connects to
Daytime running lights relay (Canada)	1	5	Front engine compartment wire harness

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Fig. 3: Under-Hood Multi-Relay Box Connector Index Table (Canada)



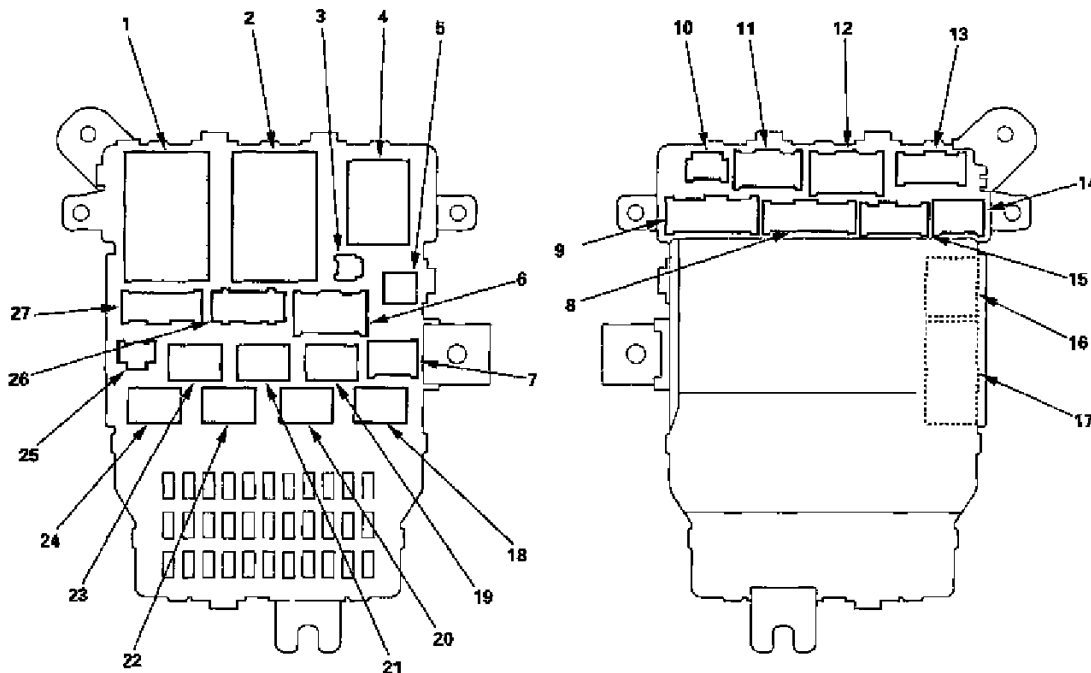
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Fig. 4: Identifying Under-Hood Multi-Relay Box Connector (Canada)

Socket	Ref	Terminal	Connects to
A	8	6	Dashboard wire harness
Accessory power socket relay	19	4	
A/F sensor relay	20	4	
B	12	6	Engine compartment wire harness
C	11	12	Engine compartment wire harness
D	13	17	Engine compartment wire harness
E	8	16	Floor wire harness
F	9	14	Floor wire harness
G	14	6	Not used
H	15	14	Floor wire harness
I	10	5	Roof wire harness
Ignition coil relay	23	4	
J	27	21	Driver's door subharness
K	28	12	Driver's door subharness
M	25	3	MICS (MPCS) service check connector
N	2	45	Dashboard wire harness
P	17	30	Dashboard wire harness
PGM-FI main relay 1	21	4	
PGM-FI main relay 2	24	4	
Power window relay	22	4	
Q	16	14	Dashboard wire harness
R	3	2	Dashboard wire harness
S	5	2	Dashboard wire harness
Starter cut relay	18	4	
T	7	6	Optional connector
Turn signal/hazard relay	4	8	
X	1	39	Dashboard wire harness

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Fig. 5: Under-Dash Fuse/Relay Box Connector Index Table



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Fig. 6: Identifying Under-Dash Fuse/Relay Box Connectors

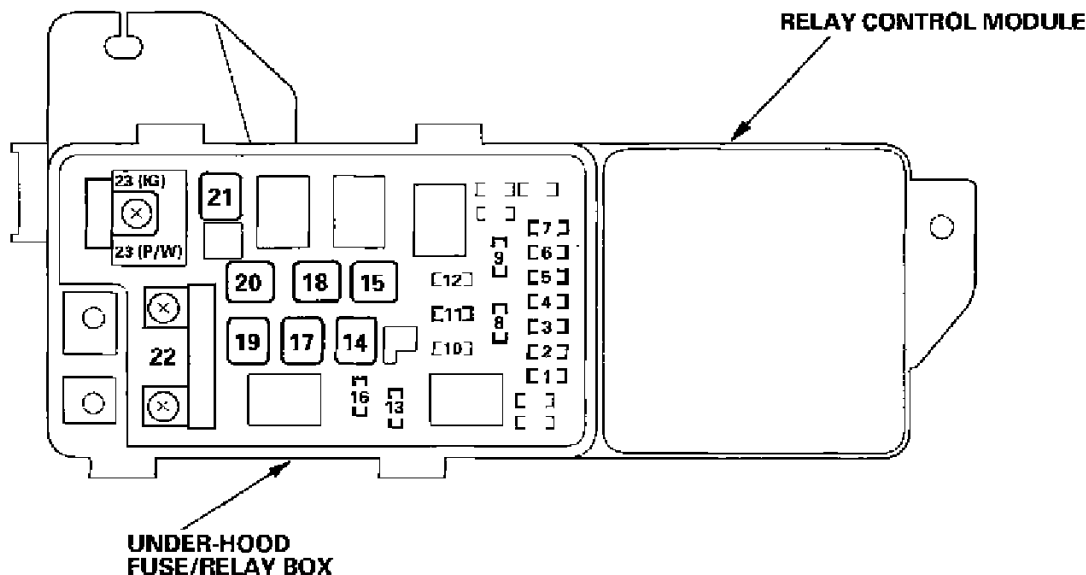
POWER DISTRIBUTION

FUSE TO COMPONENTS INDEX

Fuse Number	Amps	Wire Color	Component(s) or Circuit(s) Protected
1	15A	RED/YEL	Left headlight (low beam)
2	30A	Internal connection	Relay control module (with climate control)
3	10A	WHT/YEL	Left headlight (high beam)
4	15A	RED/BLK	Audio-HVAC display module light, A/T gear position console light, Center pocket light, Glove box light, Hazard warning light switch light, License plate lights, Moonroof switch light, Navigation unit, Relay control module, Rear side marker lights, Seat heater switch light, Taillights, VSA off switch light
5	10A	WHT/GRN	Right headlight (high beam)
6	15A	RED/GRN	Right headlight (low beam)
7	7.5A	Internal connection	Relay control module
8	15A	WHT/GRN	CKP sensor, CMP sensor B, ECM/PCM (2 wires), Injectors, PGM-FI main relay, Throttle actuator control module relay
9	20A	BLU/YEL	Condenser fan motor (via condenser fan relay)
		BLU/RED	A/C compressor clutch (via A/C compressor clutch relay)
10			Not used
11	20A	BLU/BLK	Radiator fan motor (via radiator fan relay)
12			Not used
13	20A	RED	Brake lights, ECM/PCM, High mount brake light, Ignition key light, Multiplex integrated control unit (MICU)
		Internal connection	Horns (via relay control module)
14	40A	BLK/YEL	Noise condenser, Rear window defogger (via rear window defogger relay)
15	40A	YEL	No. 5 through No. 9 fuses in the under-dash fuse/relay box
		Internal connection	No. 7 fuse in the under-hood fuse/relay box
16	15A	WHT/BLK	Turn signal/hazard relay
17	30A	WHT/RED	VSA modulator-control unit (M/R + B)
18	40A	WHT	VSA modulator-control unit (-B FSR)
19	40A	BLK/RED	No. 1 through No. 4 fuses in the under-dash fuse/relay box
20	40A	BLU	No. 12 through No. 17 fuses in the under-dash fuse/relay box
21	40A	WHT/BLU	Blower motor (via blower motor relay)
22	100A		Battery, Power distribution
23	50A (IG)	WHT	Ignition switch (BAT)
	50A (P/W)	WHT/BLU	Power window relay, No. 24 through No. 28 fuses in the under-dash fuse/relay box

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Fig. 7: Under-Hood Fuse/Relay Box Index Table



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Fig. 8: Identifying Under-Hood Fuse/Relay Box Components

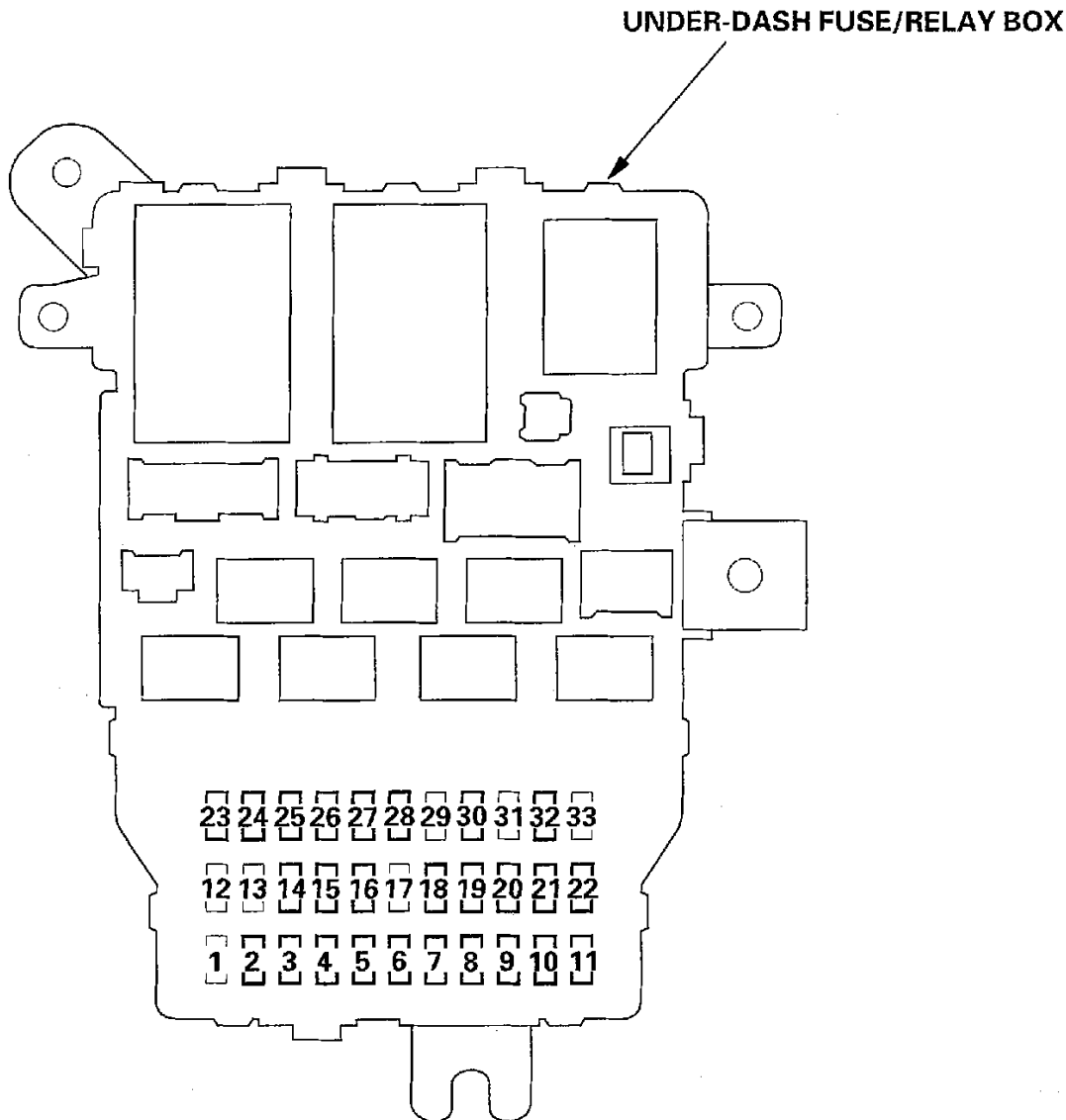
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2004 ELECTRICAL Fuse/Relay Boxes - TSX

Fuse Number	Amps	Wire Color	Component(s) or Circuit(s) Protected
1	15A	WHT/GRN	Throttle actuator control module (via throttle actuator control module relay)
2	15A	Fuse/relay box socket	Ignition coil (IG) relay
		BLK/WHT	Ignition coils (via ignition coil relay)
3	10A	RED/BLU	Daytime running lights relay (Canada)
4	10A	BLU/WHT	Air fuel ratio sensor (sensor 1)
5	20A	WHT/BLU	Stereo amplifier
6	10A	WHT/BLU	Ambient light Ceiling light, Audio unit, Courtesy lights, Homelink, Map light, Trunk light, Vanity mirror lights
7	10A	WHT/RED	Combination switch control unit, Gauge control module, Immobilizer control unit-receiver, Navigation display unit, Navigation unit
		Fuse/relay box socket	Multiplex integrated control unit (MICU)
8	20A	Fuse/relay box socket	Multiplex integrated control unit (MICU)
9	15A	WHT/RED	Front accessory power socket, Rear accessory power socket
10	7.5A	WHT	OPDS unit, SRS unit
11	30A	GRN	Windshield wiper motor
12	---	---	Not used
13	---	---	Not used
14	20A	WHT/BLU	Driver's power seat slide motor and front up-down motor
15	20A	RED/BLK	Seat heaters and seat heater switches indicator light
16	20A	WHT/RED	Driver's power seat recline motor and rear up-down motor
17	---	---	Not used
18	15A	BLK/RED	Alternator, CMP sensor A, ECM/PCM (via brake pedal position switch), ELD unit, Engine mount control solenoid valve, EVAP canister purge valve, EVAP vent shut solenoid valve, Reverse lockout solenoid valve (M/T), Secondary heated oxygen sensor, VSA modulator-control unit
19	15A	BLK/YEL	ECM/PCM, Immobilizer control unit-receiver
		YEL/GRN	Fuel pump (via PGM-FI main relay 2)
20	7.5A	YEL/GRN	Windshield washer motor
21	7.5A	YEL	Automatic inside dimming mirror, Back-up lights, Combination switch control unit, Door multiplex control unit, Multiplex integrated control unit (MICU), Gauge control module, Relay control module
22	10A	WHT/RED	SRS unit
23	7.5A	GRN	ECM/PCM (via A/F sensor relay)
24	20A	YEL/RED	Left rear power window motor
25	20A	YEL/BLU	Right rear power window motor
26	20A	GRN/BLK	Front passenger's power window motor
27	20A	GRN/WHT	Driver's power window motor
28	20A	GRN	Moonroof motor, Moonroof open/close relays
29	---	---	Not used
30	7.5A	BLK/YEL	A/C compressor clutch relay, Blower motor relay, Climate control unit (audio-HVAC display module), Condenser fan relay, Power mirror defoggers (Canada), Power mirror actuator, Radiator fan relay, Recirculation control motor, Seat heater relay
31	---	---	Not used
32	7.5A	YEL/RED	Accessory power socket relay, Audio unit (audio-HVAC display module), Navigation display unit (audio-HVAC display module), Navigation unit, Shift lock solenoid (A/T), Stereo amplifier
		Fuse/relay box socket	Multiplex integrated control unit (MICU)
33	---	---	Not used

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Fig. 9: Under-Dash Fuse/Relay Box Index Table

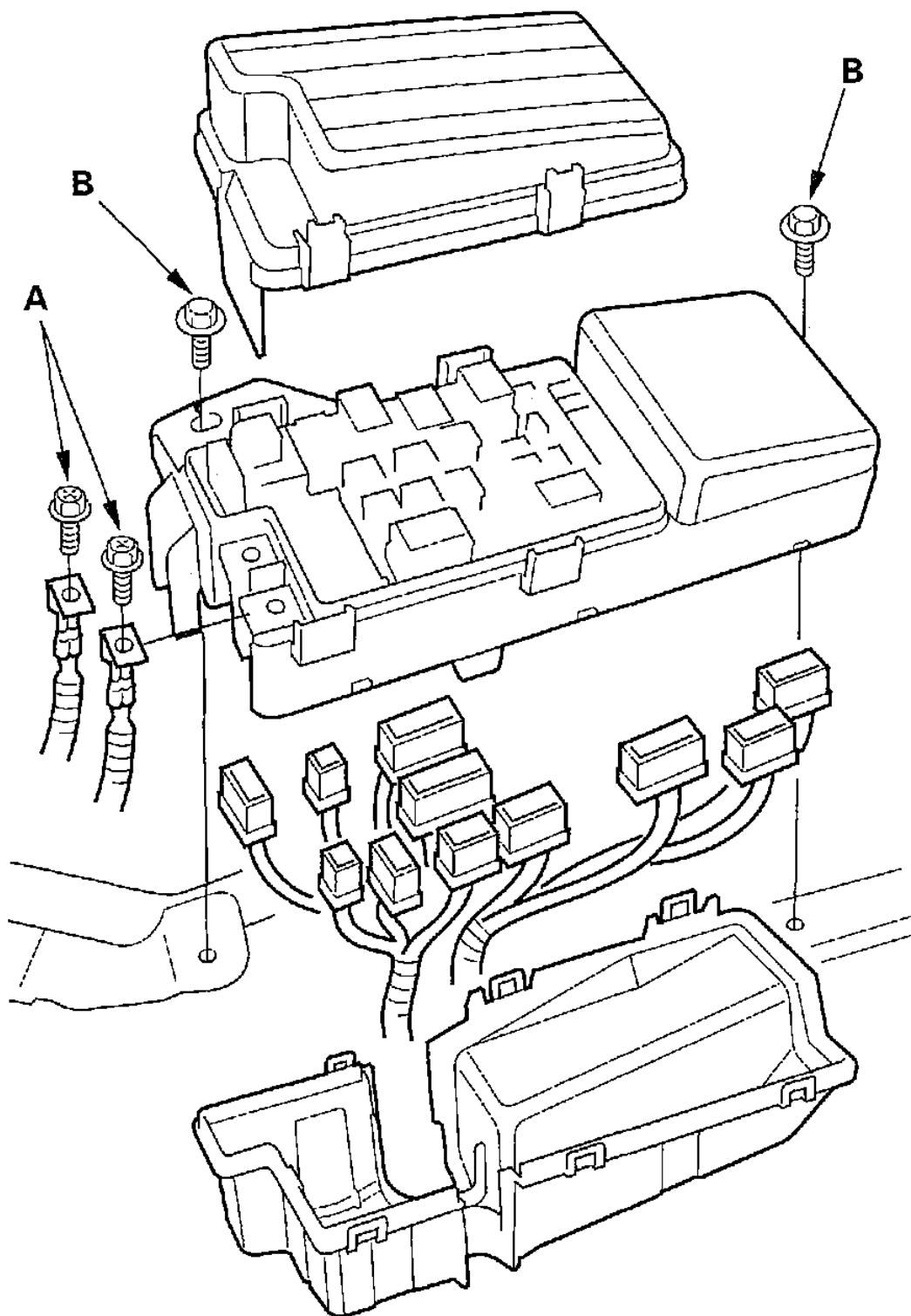


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Fig. 10: Identifying Under-Dash Fuse/Relay Box Components**UNDER-HOOD FUSE/RELAY BOX****REMOVAL & INSTALLATION****Removal**

1. Make sure you have the anti-theft codes for the radio and the navigation system, then write down the frequencies for the radio's preset buttons.
2. Disconnect the battery negative cable, then disconnect the positive cable, and wait at least 3 minutes.

3. Remove the under-hood multi-relay box (Canada) from the under-hood fuse/relay box.
4. Remove the screws (A) from the alternator and battery cable terminals.
5. Remove the two mounting bolts (B) from the under-hood fuse/relay box.
6. Remove the under cover from the under-hood fuse/relay box.
7. Disconnect the connectors from the under-hood fuse/relay box.



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Fig. 11: Removing The Under-Hood Fuse/Relay Box**Installation**

1. Connect the connectors to the under-hood fuse/relay box, then install the under-hood fuse/relay box in the reverse order of removal.
2. Install the removed parts in the reverse order of removal.
3. Connect the both positive cable and negative cable to the battery.
4. Do the ECM/PCM idle learn procedure (see **ECM/PCM IDLE LEARN PROCEDURE**).
5. Do the power window control unit reset procedure (see **RESETTING THE POWER WINDOW**).
6. Enter the anti-theft codes for the radio and navigation system, then enter the customer's radio station presets.
7. Confirm that all systems work properly.

DTC TROUBLESHOOTING**DTC TROUBLESHOOTING INDEX**

DTC	Description
B1055	Relay Control Module Lost Communication With MICU
B1056	Relay Control Module Lost Communication With MICU
B1057	Relay Control Module Lost Communication With MICU (Door Switch Message)
B1058	Relay Control Module Lost Communication With Door Multiplex Control Unit (Door Lock Switch Message)
B1059	Relay Control Module Lost Communication With Door Multiplex Control Unit (Panic Message)
B1060	Relay Control Module Lost Communication With Gauge Control Module (VSP/NE Message)
B1061	Relay Control Module Lost Communication With Gauge Control Module (A/T Message)
B1062	Relay Control Module Lost Communication With Combination Switch Control Unit (Headlight Switch Message)
B1063	Relay Control Module Lost Communication With Combination Switch Control Unit (Wiper Switch Message)

DTC B1055, B1056, B1057, B1058, B1059, B1060, B1061, B1062 & B1063: Relay Control Module Lost Communication

1. Clear the DTCs using the Honda Diagnostic System (HDS).
2. Cycle the ignition switch OFF then ON.
3. Check for DTCs by selecting the DTCs MENU (DTCs) from the HDS.

Is DTC B1055, B1056, B1057, B1058, B1059, B1060, B1061, B1062 and/or B1063 indicated?

YES: Go to step 4.

NO: Intermittent failure, the F-CAN communication line is OK at this time.

4. Check for DTCs other than those listed above.

Are any other DTCs present?

YES: Go to step 5.

NO: Perform Relay Control Module Input Test (see **RELAY CONTROL MODULE INPUT TEST**).

5. Find the chart that contains at least one retrieved DTC in column A and one retrieved DTC in column B. Perform the input test for the ECU listed in that chart. See **Fig. 12** through **Fig. 15** . If no DTC from column B is found then continue to Relay Control Module input test.

A	B	ECU
B1055	B1105 B1159	MICU (see page 22-110)
B1056	B1106 B1255	
B1057	B1157	

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Fig. 12: Chart 1

A	B	ECU
B1058	B1006	Door Multiplex Control Unit (see page 22-114)
B1059	B1010	
	B1160	

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Fig. 13: Chart 2

A	B	ECU
B1060 B1061	B1008 B1206 B1205 B1207	Gauge Control Module (see page 22- 113)

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Fig. 14: Chart 3

A	B	ECU
B1062 B1063	B1007 B1156 B1109 B1155	Combination Switch Control Unit (see page 22-116)

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Fig. 15: Chart 4

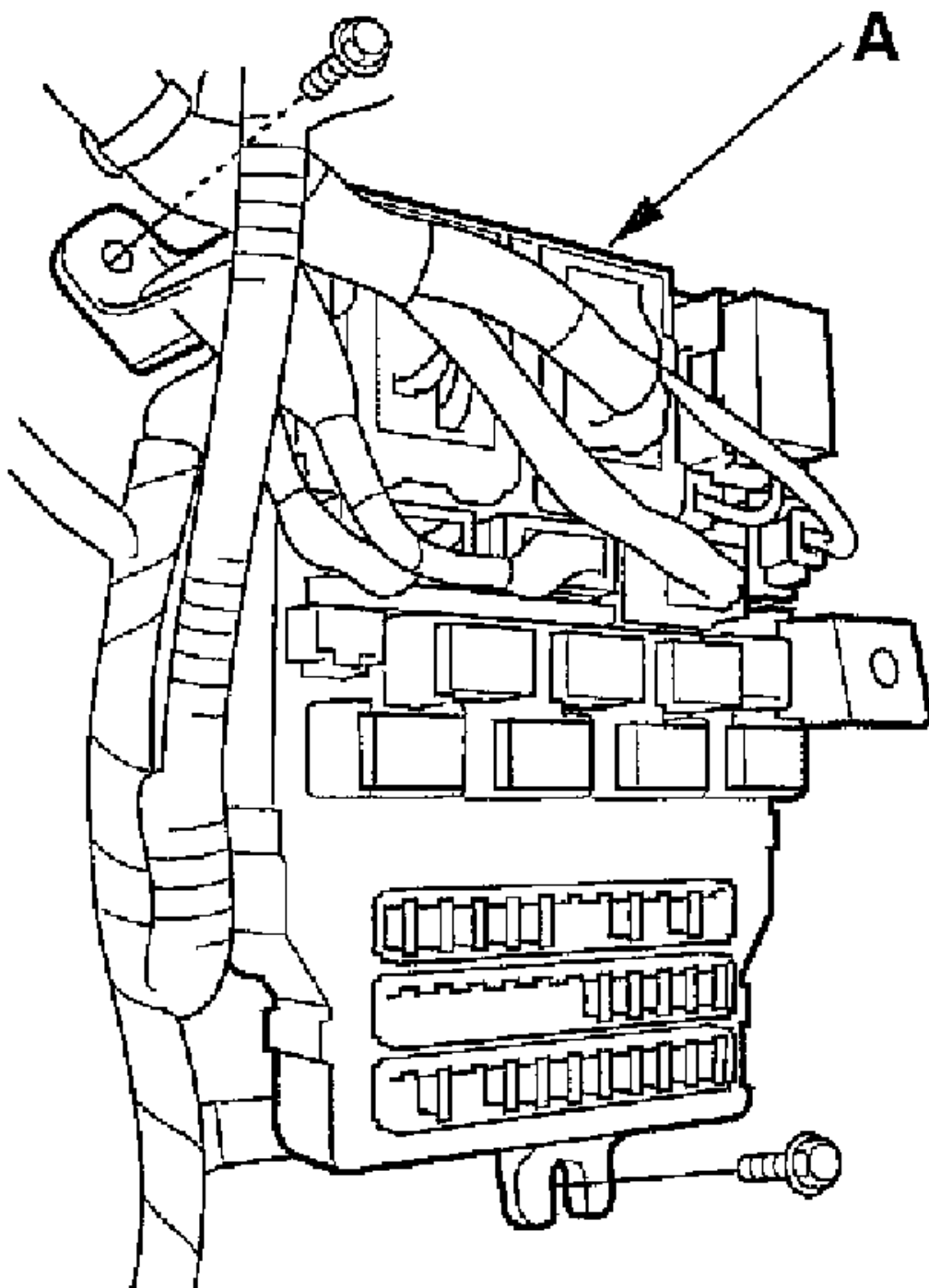
UNDER-DASH FUSE/RELAY BOX

REMOVAL & INSTALLATION

SRS components are located in this area. Review the SRS component locations, precautions, and procedures in the SRS section before performing repairs or service. See **AIR BAG RESTRAINT SYSTEMS** .

Removal

1. Make sure you have the anti-theft codes for the radio and the navigation system, then write down the frequencies for the radio's preset buttons.
2. Disconnect the battery negative cable, then disconnect the positive cable, and wait at least 3 minutes.
3. Remove the left front door sill trim and left kick panel (see **TRIM REMOVAL/INSTALLATION - DOOR AREA**).
4. Disconnect the connectors from the fuse side of the under-dash fuse/relay box (A).



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Fig. 16: Disconnecting The Connectors From The Fuse Side Of The Under-Dash Fuse/Relay Box

5. Remove the two mounting bolts and pull the fuse/relay box away from the body.
6. Disconnect the connectors and remove the under-dash fuse/relay box.

NOTE: Some SRS harness connectors are spring-loaded lock type (see AIR BAG RESTRAINT SYSTEMS).

Installation

1. Connect the connectors to the under-dash fuse/relay box, then install the under-dash fuse/relay box in the reverse order of removal.
2. Install the removed parts in the reverse order of removal.
3. Connect both the positive cable and negative cable to the battery.
4. Do the ECM/PCM idle learn procedure (see ECM/PCM IDLE LEARN PROCEDURE).
5. Do the power window control unit reset procedure (see RESETTING THE POWER WINDOW).
6. Enter the anti-theft codes for the radio and navigation system, then enter the customer's radio station presents.
7. Confirm that all systems work properly.

RELAYS**POWER RELAY TEST**

Use this chart to identify the type of relay, then do the test listed for it. See **Fig. 17** .

NOTE: For the turn signal/hazard relay input test, see TURN SIGNAL/HAZARD RELAY INPUT TEST).

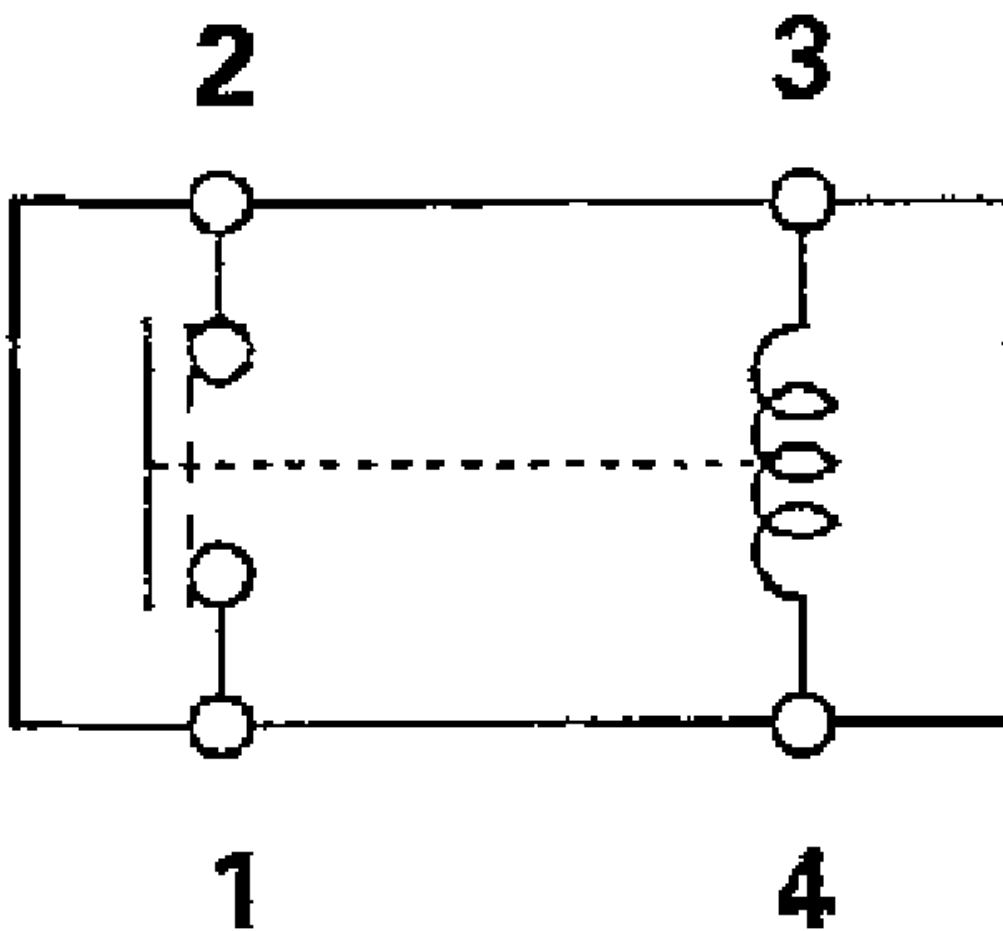
Relay	Test
A/C compressor clutch relay	Normally-open type
Accessory power socket relay	
Blower motor relay	
Condenser fan relay	
Ignition coil relay	
Air fuel ratio sensor relay	
PGM-FI main relay 1, 2	
Power window relay	
Radiator fan relay	
Rear window defogger relay	
Starter cut relay	
Seat heater relay	
Throttle actuator control relay	
Daytime running lights relay (Canada)	Five-terminal type
Moonroof close relay	
Moonroof open relay	

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Fig. 17: Relay Identification Table**Normally-open type**

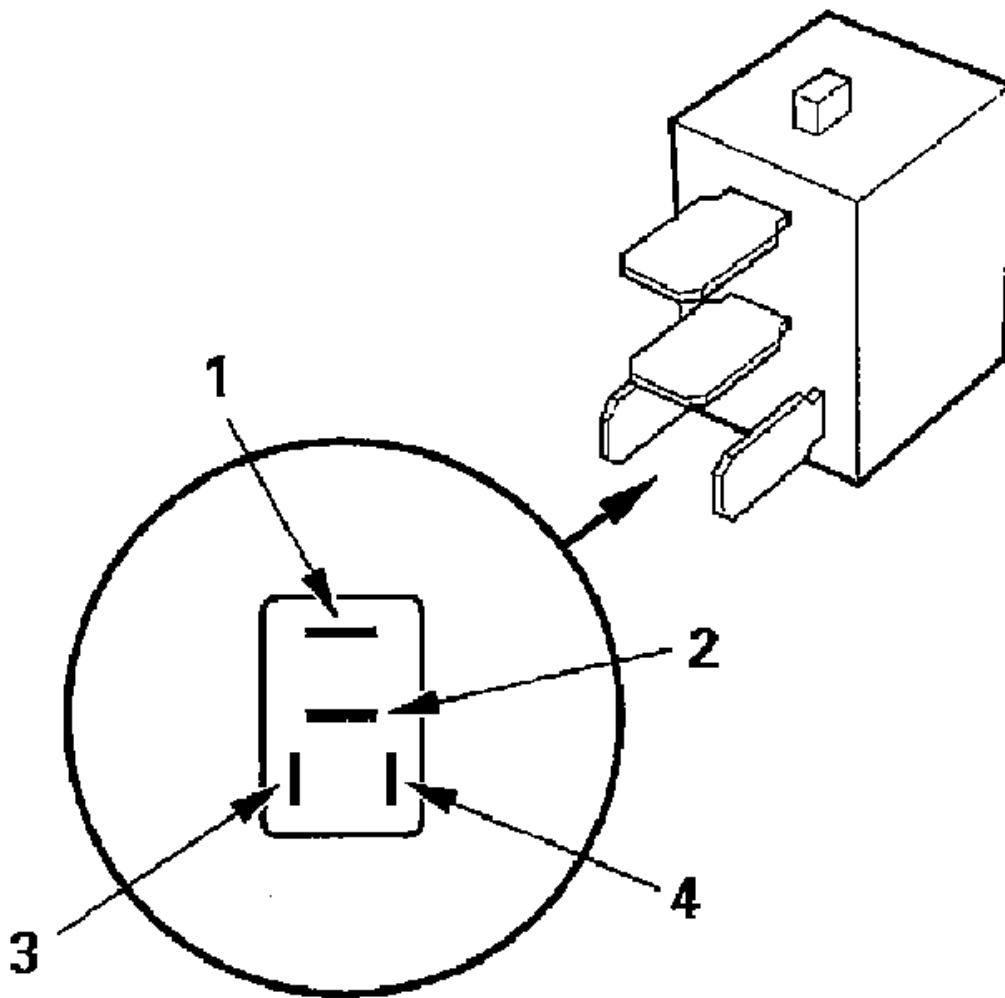
Check for continuity between the terminals:

- There should be continuity between the No. 1 and No. 2 terminals when power and ground are connected to the No. 3 and No. 4 terminals.
- There should be no continuity between the No. 1 and No. 2 terminals when power is disconnected.



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Fig. 18: Normally-Open Type Relay Schematic

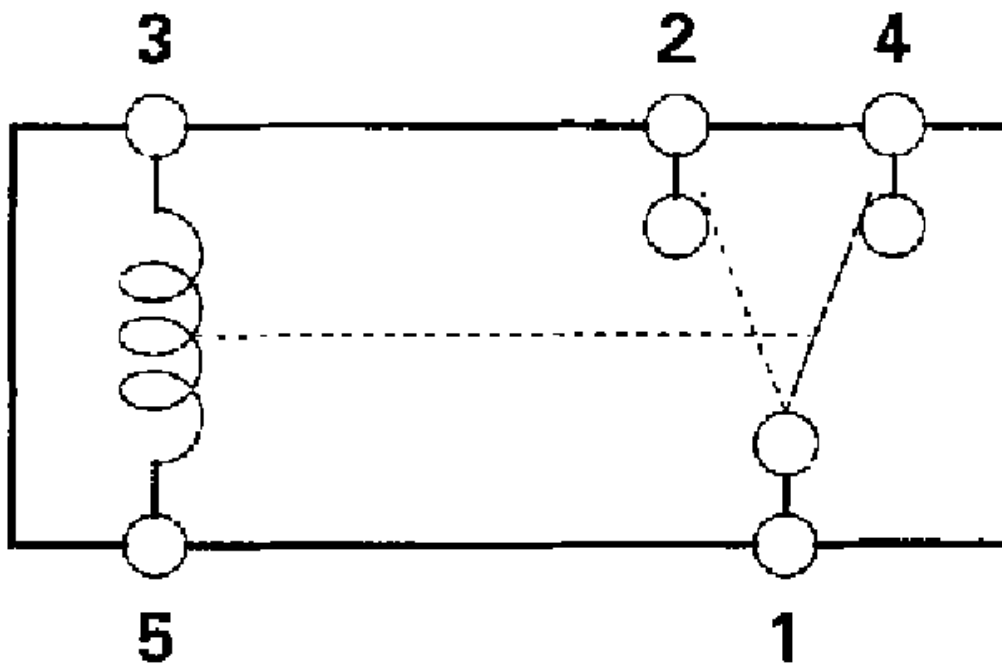


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Fig. 19: Identifying Normally-Open Type Relay Terminals**Five-terminal type B**

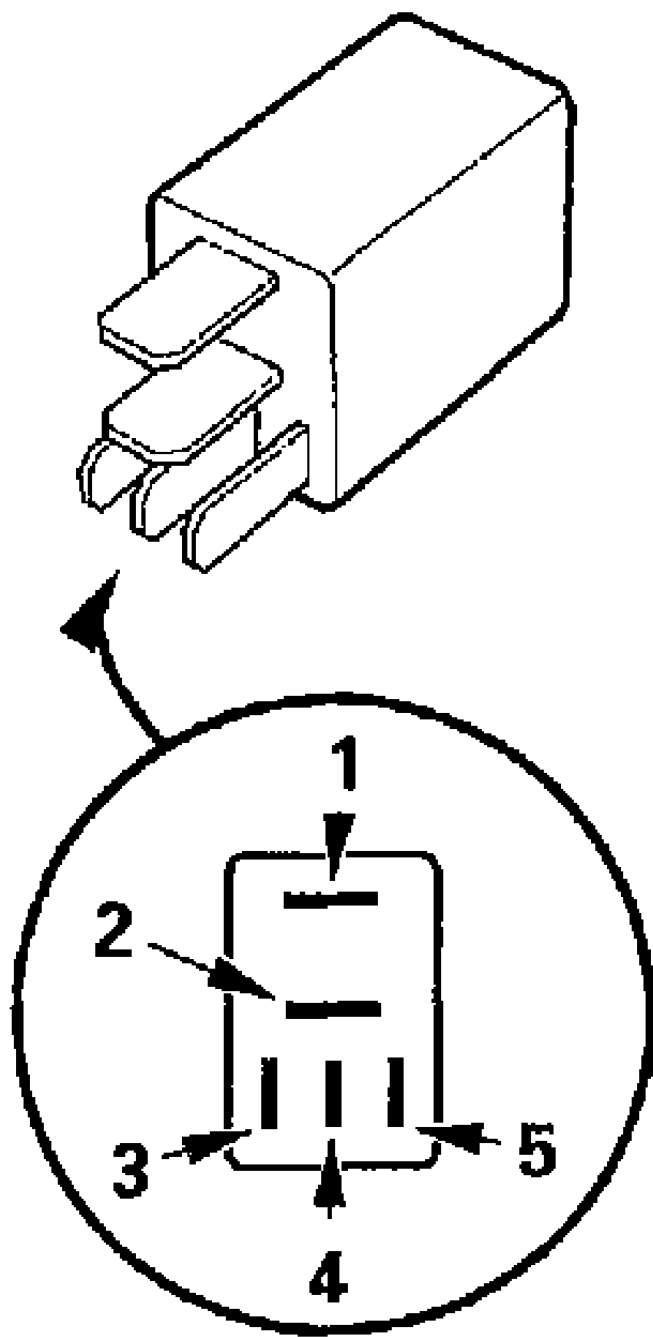
Check for continuity between the terminals.

- There should be continuity between the No. 1 and No. 2 terminals when power and ground are connected to the No. 3 and No. 5 terminals.
- There should be continuity between the No. 1 and No. 4 terminals when power is disconnected.



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Fig. 20: Five-Terminal Type B Relay Schematic



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Fig. 21: Identifying Five-Terminal Type B Relay Terminals