

2004 Honda Element DX

2003-06 ACCESSORIES & EQUIPMENT Exterior Lights - Element

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Exterior Lights - Element

COMPONENT LOCATION INDEX

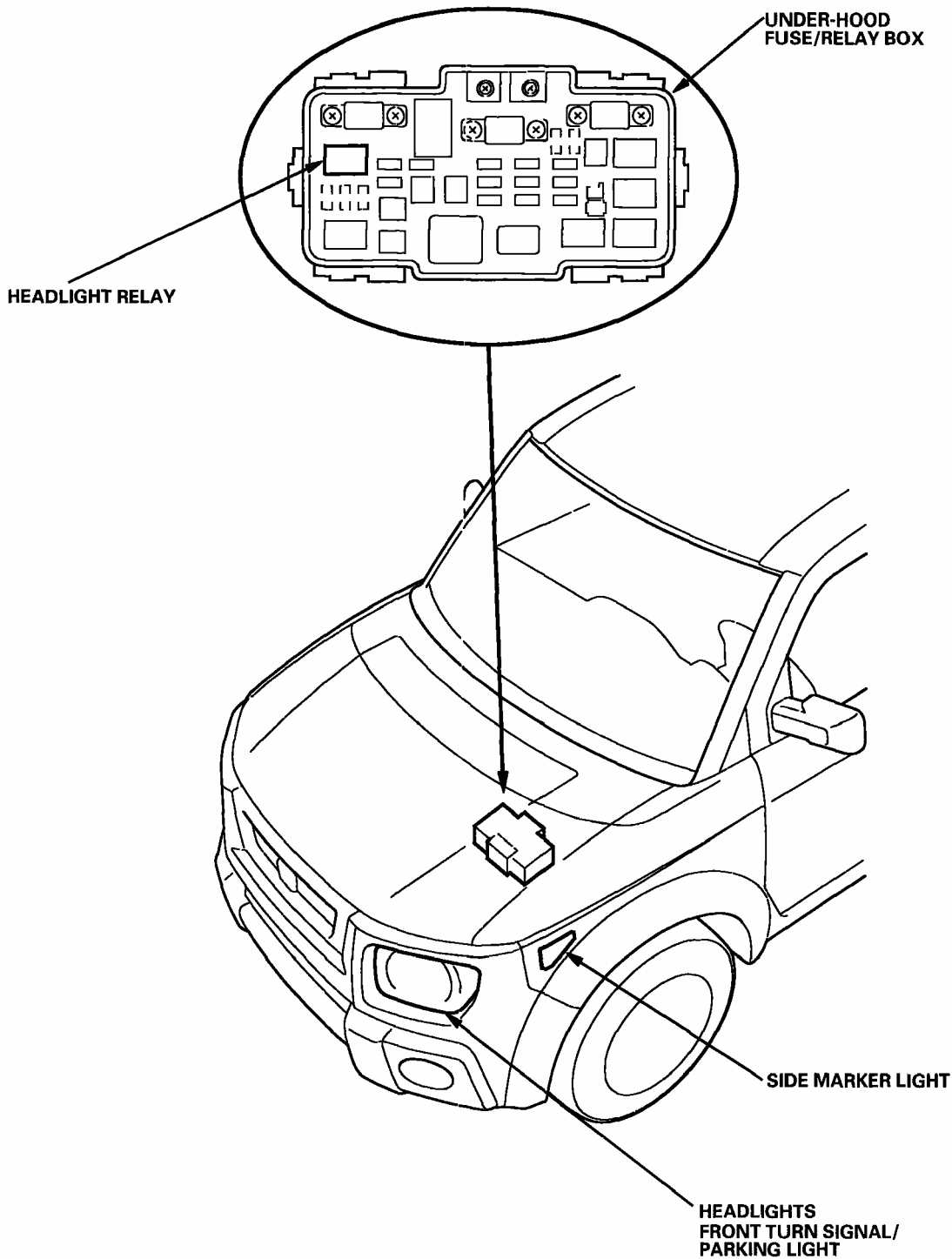
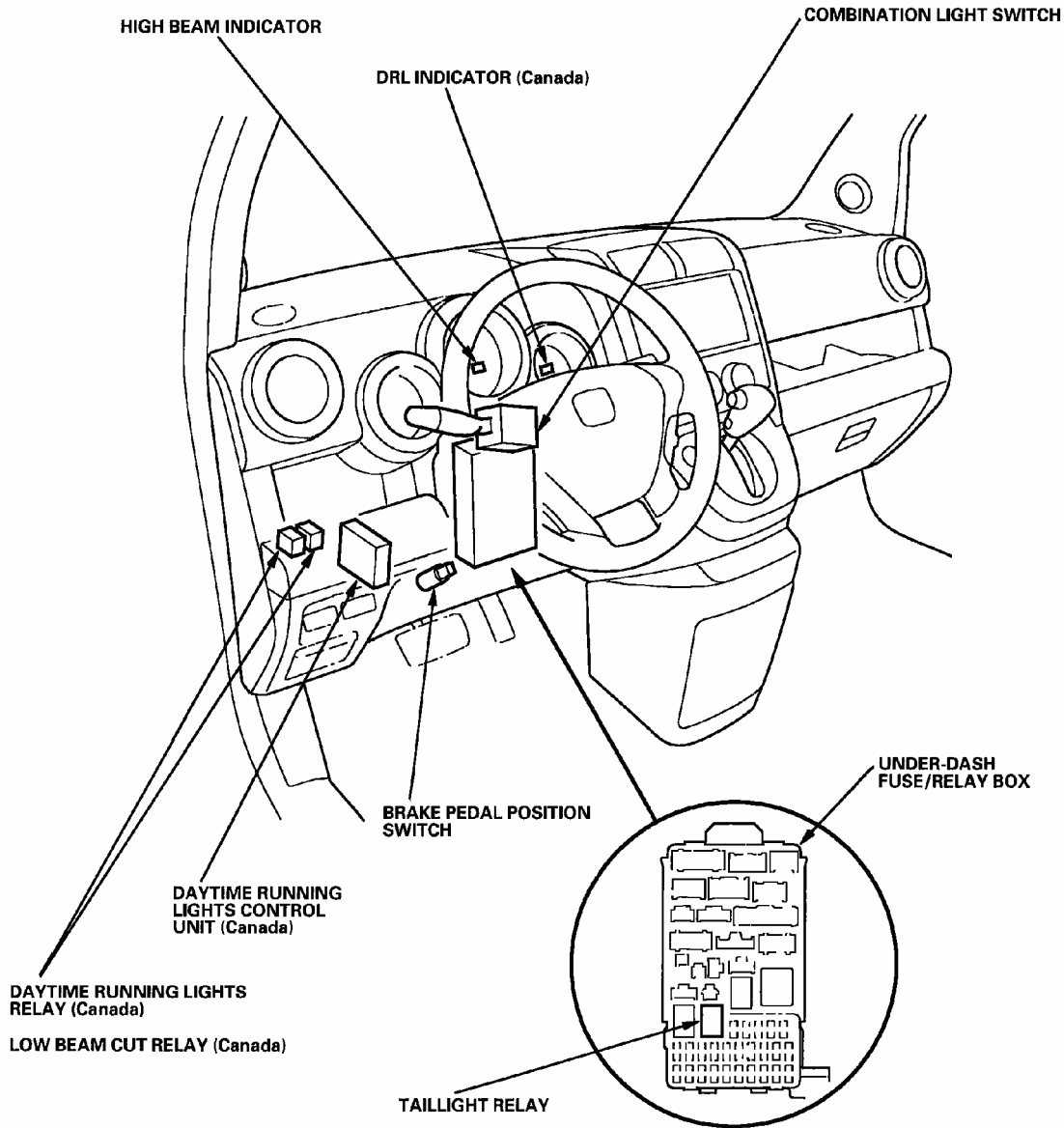


Fig. 1: Identifying Exterior Lights Component Locations (1 Of 3)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

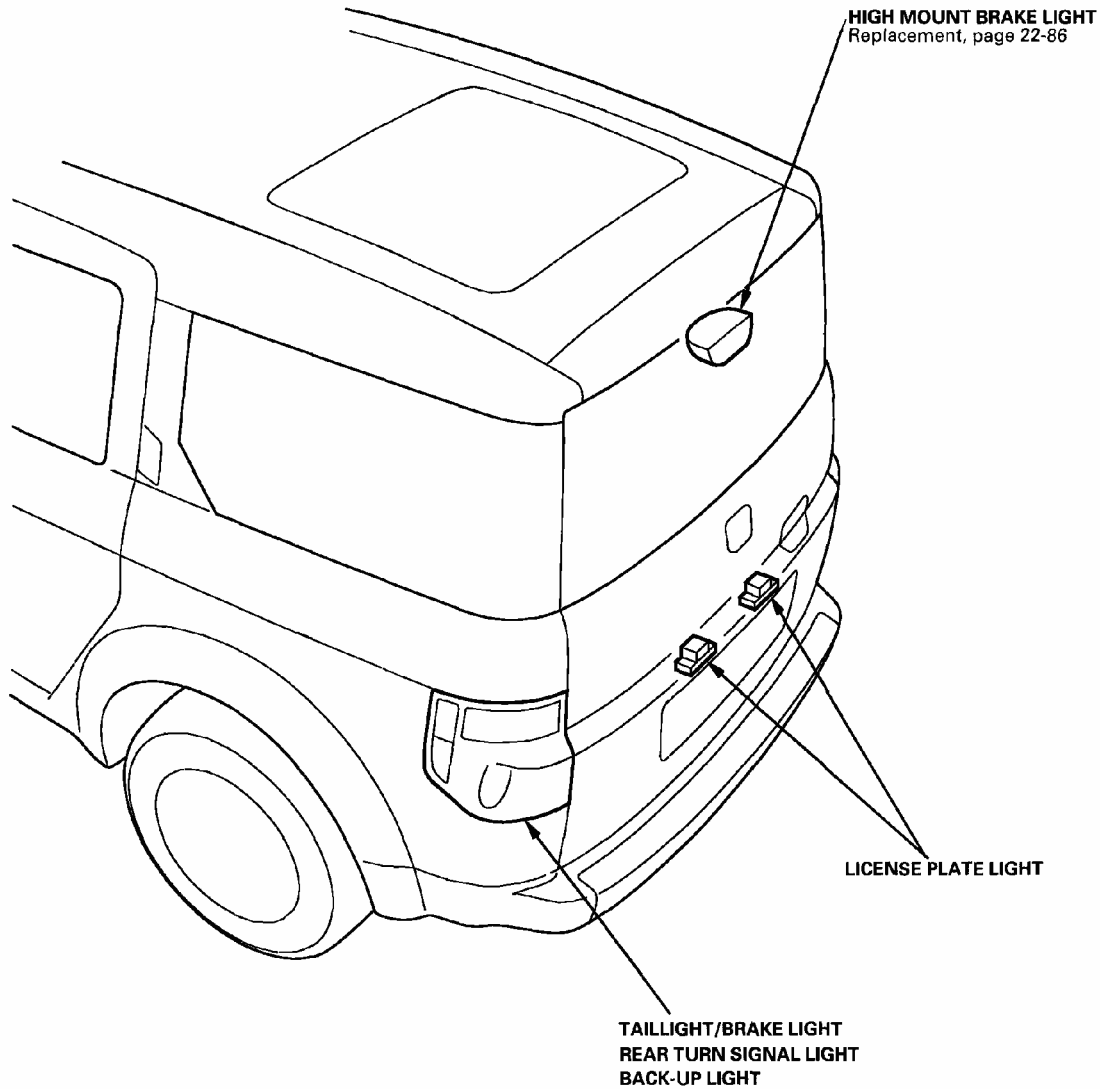


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Fig. 2: Identifying Exterior Lights Component Locations (2 Of 3)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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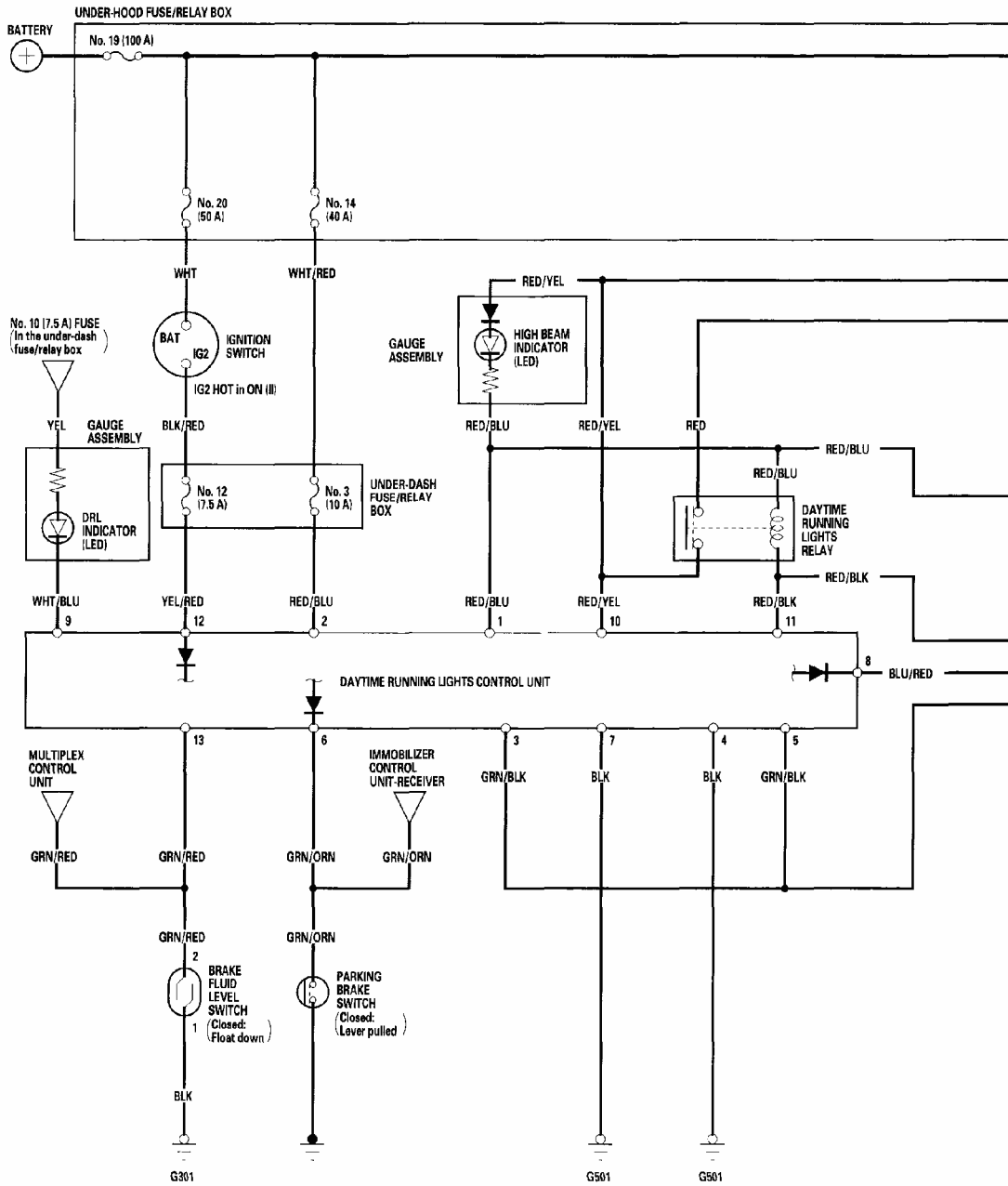
Fig. 3: Identifying Exterior Lights Component Locations (3 Of 3)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM

CANADA

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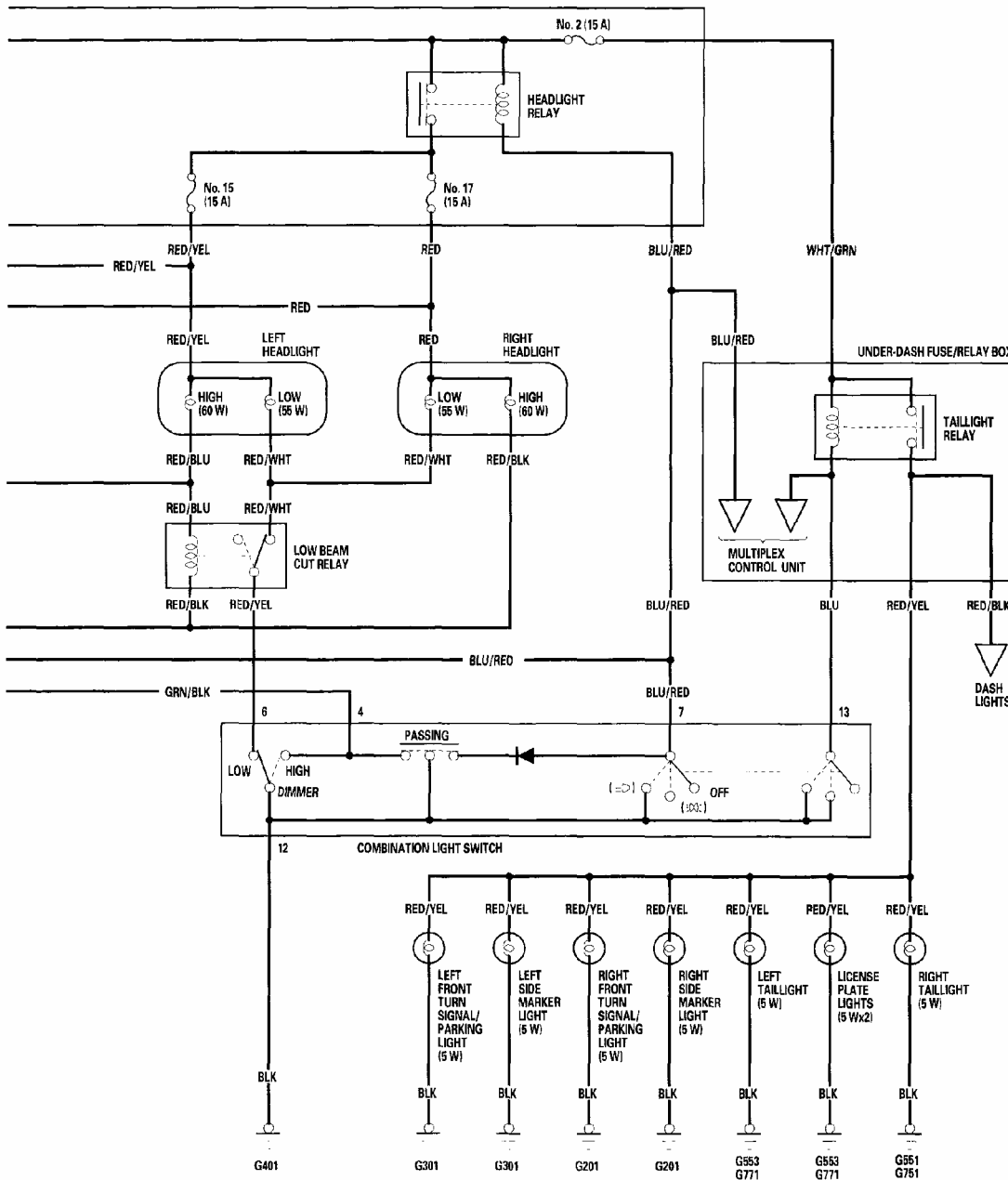


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Fig. 4: Identifying Exterior Lights Circuit Diagram (Canada) (1 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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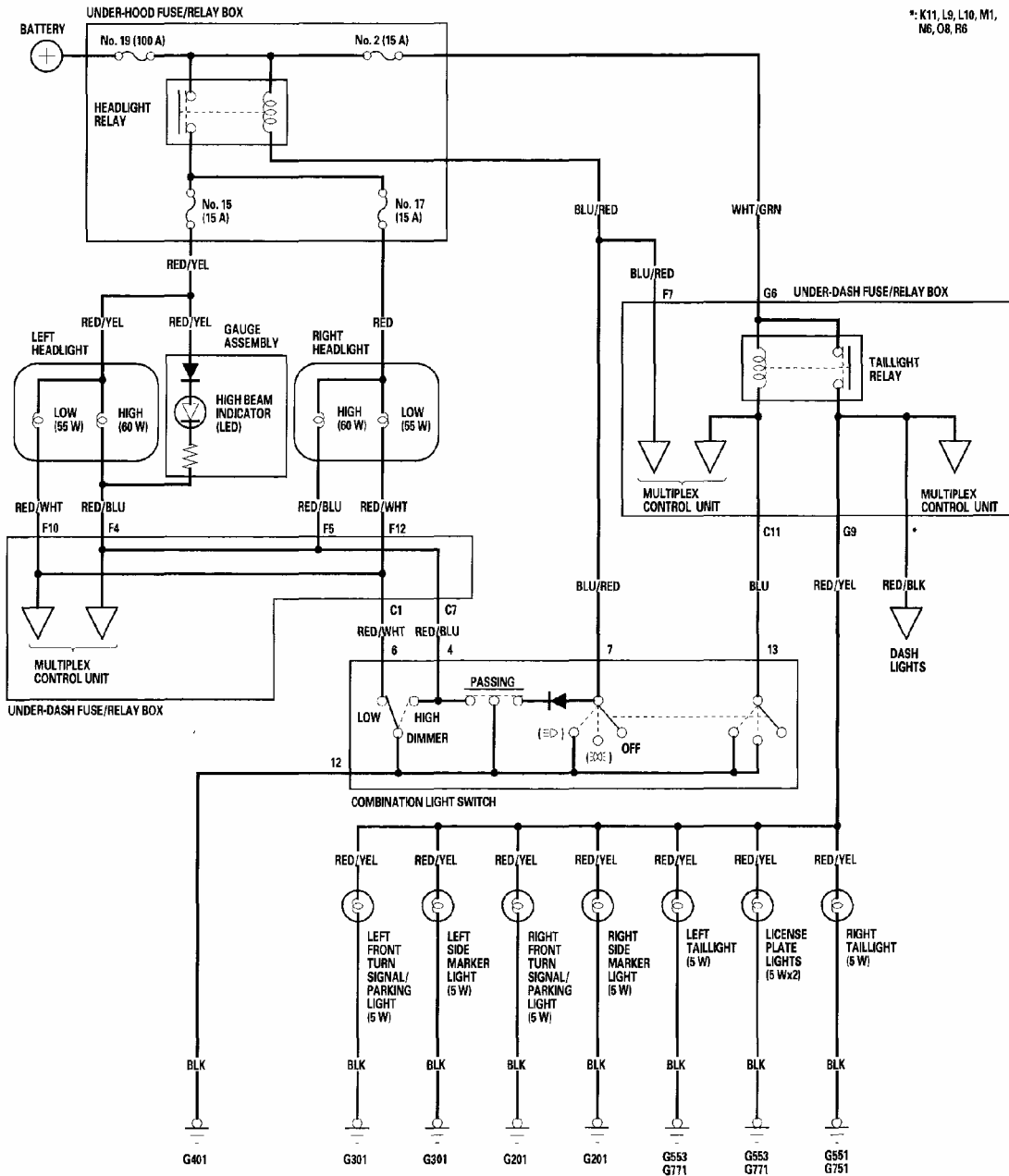
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Fig. 5: Identifying Exterior Lights Circuit Diagram (Canada) (2 Of 2)
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USA

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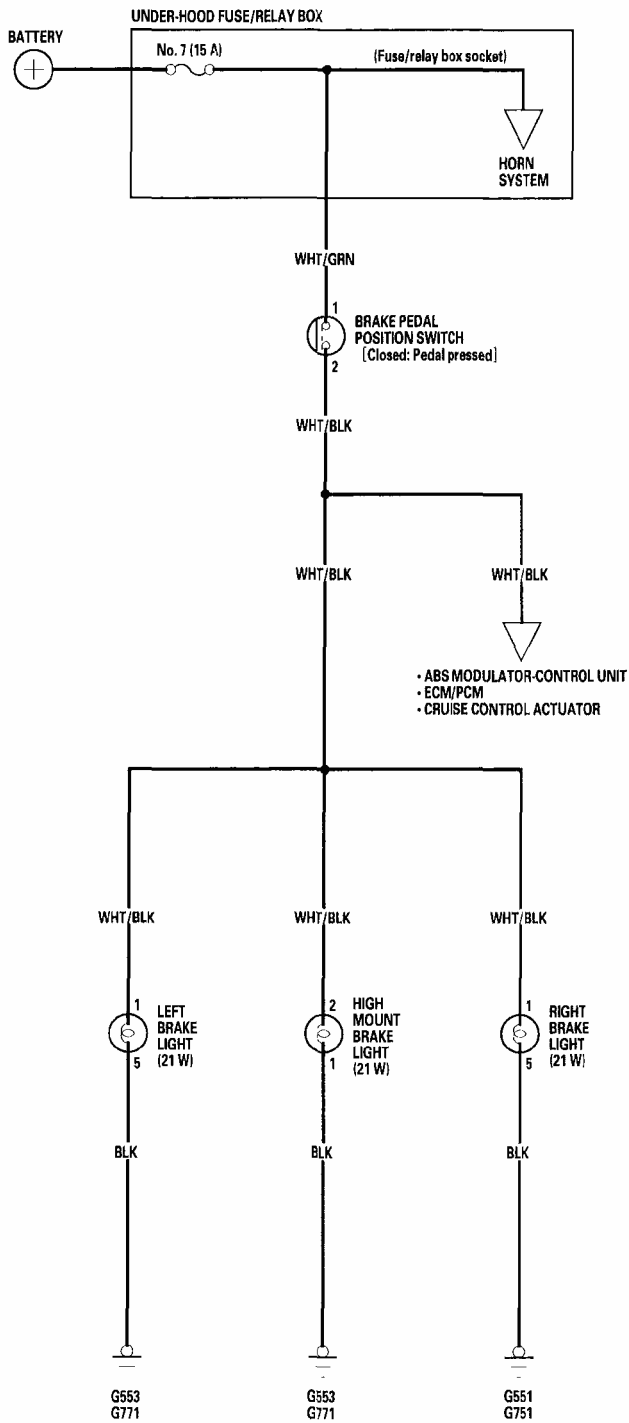
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Fig. 6: Identifying Exterior Lights Circuit Diagram (USA)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM - BRAKE LIGHTS

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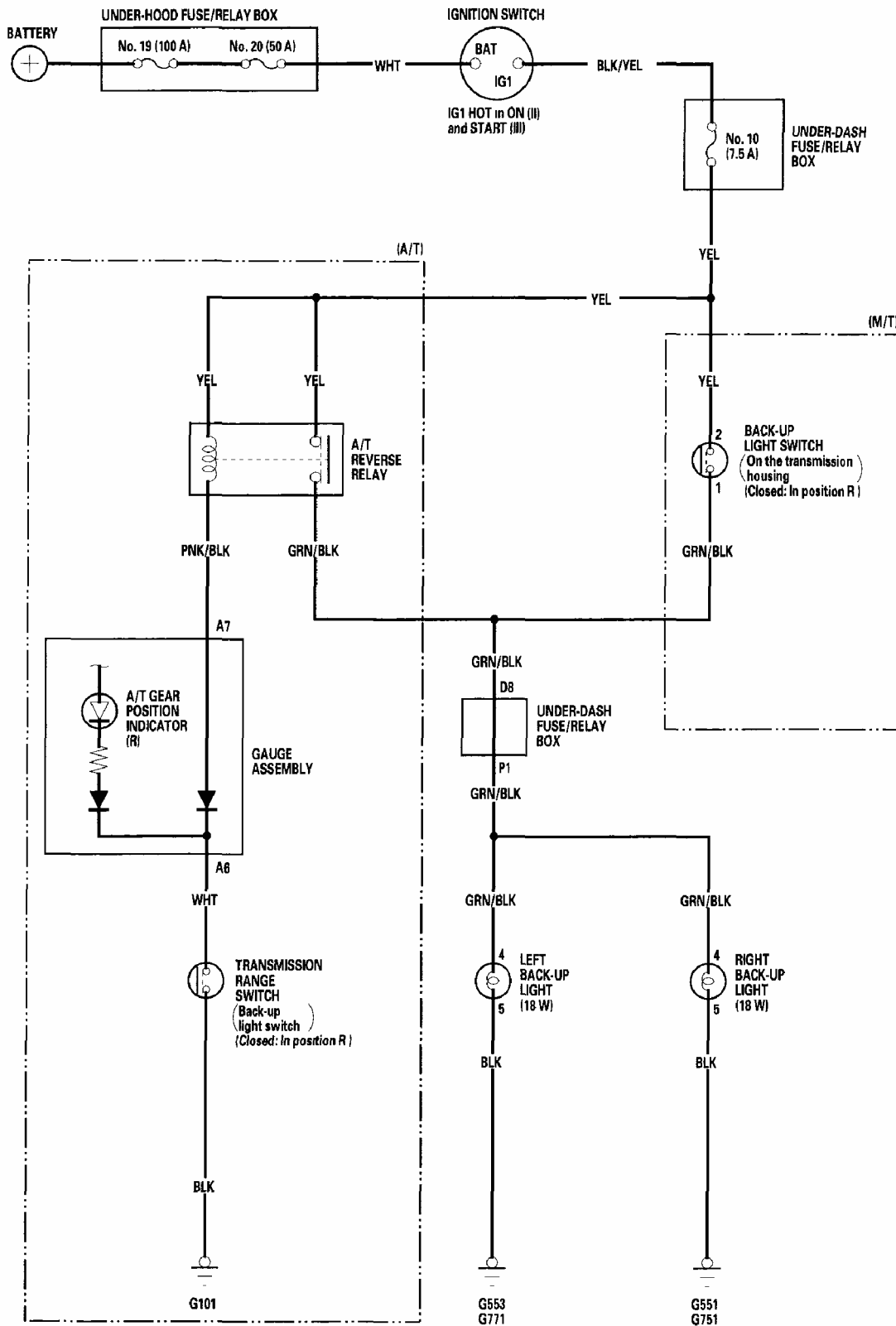
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Fig. 7: Circuit Diagram - Brake Lights
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM - BACK-UP LIGHTS

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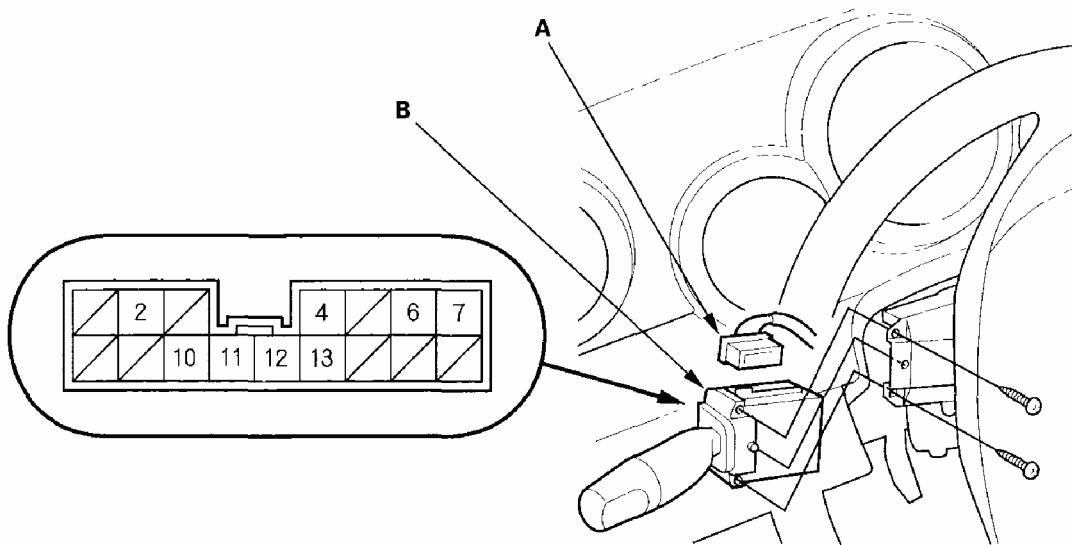


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Fig. 8: Circuit Diagram - Back-Up Lights
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

COMBINATION LIGHT SWITCH TEST/REPLACEMENT

1. Remove the dashboard lower cover (see **DRIVER'S DASHBOARD LOWER COVER REMOVAL/INSTAL**).
2. Remove the steering column covers (see **STEERING COLUMN REMOVAL AND INSTALLATION**).
3. Disconnect the 16P connector (A) from the combination light switch (B).



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Fig. 9: Disconnecting 16P Connector From Combination Light Switch
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Remove the two screws, then slide out the combination light switch.
5. Inspect the connector terminals to be sure they are all making good contact.
 - If the terminals are bent, loose or corroded, repair them as necessary, and recheck the system.
 - If the terminals look OK, check for continuity between the terminals in each switch position according to the tables.
 - If the continuity is not as specified, replace the switch.

Light switch:

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Terminal		4	6	7		12	13
Position							
Headlight switch	OFF		○			○	
	☺					○	○
	☺	LOW		○	○	○	○
		HIGH	○		○		○
Passing switch	OFF			○	▶	○	
	ON	○				○	

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Fig. 10: Light Switch Continuity Specification Table
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Turn signal switch:

Terminal	2	10	11
Position			
LEFT	○	○	
Neutral			
RIGHT		○	○

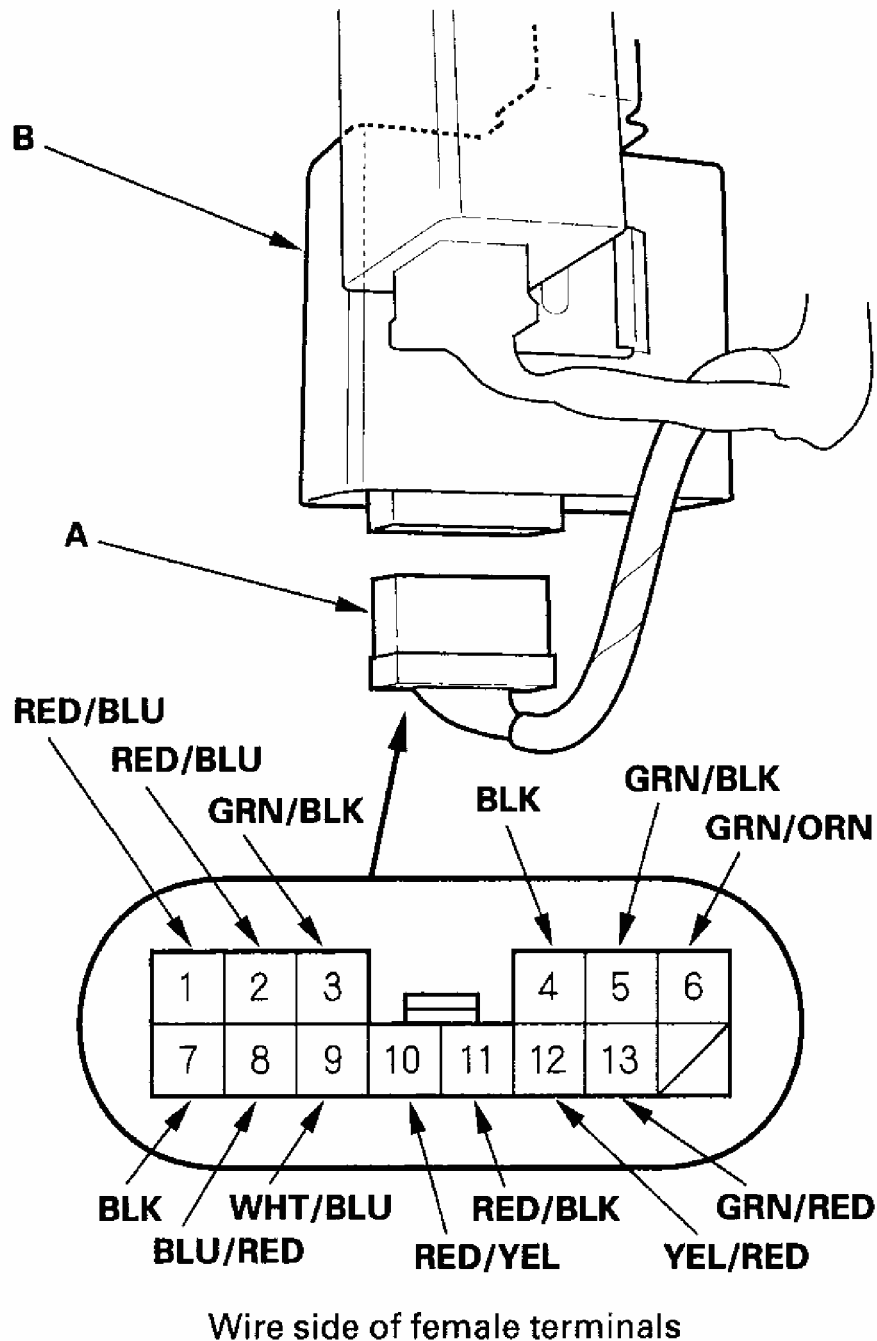
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Fig. 11: Turn Signal Switch Continuity Specification Table
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

DAYTIME RUNNING LIGHTS CONTROL UNIT INPUT TEST

CANADA

1. Remove the driver's dashboard lower cover (see **DRIVER'S DASHBOARD LOWER COVER REMOVAL/INSTAL**).
2. Disconnect the 14P connector (A) from the daytime running lights control unit (B).



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Fig. 12: Disconnecting 14P Connector From Daytime Running Lights Control Unit

Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Inspect the connector and socket terminals to be sure they are all making good contact.
 - If the terminals are bent, loose or corroded, repair them as necessary, and recheck the system.

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- If the terminals look OK, go to step 4.
4. Make these input tests at the connector.
- If any test indicates a problem, find and correct the cause, then recheck the system.
 - If all the input tests prove OK, the control unit must be faulty; replace it.

CONDITION CHART

Cavity	Wire	Test condition	Test: Desired condition	Possible cause if result is not obtained
2	RED/BLU	Under all condition	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 14 (40 A) fuse in the under-hood fuse/relay box • Blown No. 3 (40 A) fuse in the under-dash fuse/relay box • An open in the wire
12	YEL/RED	Ignition switch ON (II)	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 12 (7.5 A) fuse in the under-dash fuse/relay box • Faulty ignition switch • An open in the wire
4	BLK	Under all condition	Check for continuity to ground: There should be continuity.	<ul style="list-style-type: none"> • Poor Ground (G501) • An open in the wire
7	BLK	Under all condition	Check for continuity to ground: There should be continuity	<ul style="list-style-type: none"> • Poor Ground (G501) • An open in the wire
10	RED/YEL	Combition light switch ON	Check for continuity to ground: There	<ul style="list-style-type: none"> • Blown No. 15 (15 A) fuse in

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			should be continuity	<p>the under-hood fuse/relay box</p> <ul style="list-style-type: none"> • Faulty headlight relay • Faulty combination light switch • An open in the wire
1	RED/BLU	Combition light switch ON , and dimmer switch in HIGH	Connect a jumper wire between No .3 and No. 1 terminals: Left headlight (HIGH) and kigh beam indicator light should come on	<ul style="list-style-type: none"> • Blown bulb • Faulty headlight relay • Faulty combination light switch • Poor ground (G401) • An open in the wire
11	RED/BLK	Combition light switch ON , and dimmer switch in HIGH	Connect a jumper wire between No. 5 and No. 11 terminals: Right headlight (HIGH) should come on	<ul style="list-style-type: none"> • Blown bulb • Faulty headlight relay • Faulty combination light switch • Poor ground (G401) • An open in the wire
3	GRN/BLK	Combition light switch ON , and dimmer switch in HIGH	Check for continuity to ground: There should be continuity	<ul style="list-style-type: none"> • Faulty combination light switch • Poor ground (G401) • An open in the wire
5				
6	GRN/ORN	Parking brake lever pulled	Check for continuity to ground: There	<ul style="list-style-type: none"> • Faulty parking brake switch • An open in the

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			should be continuity	wire
8	BLU/RED	Under all conditions	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none">• Faulty headlight relay• Faulty combination light switch• An open in the wire
9	WHT/BLU	Ignition switch ON (II)	Attach to ground: The DRL indicator should come on.	<ul style="list-style-type: none">• Faulty LED• Blown No. 10 (7.5 A) fuse in the under-dash fuse/relay box• An open in the wire
13	GRN/REDGRN/RED	Ignition switch ON (II)	Attach to ground: The brake system light should come on	<ul style="list-style-type: none">• Faulty LED• An open in the wire

HEADLIGHT ADJUSTMENT

CAUTION: Headlights become very hot during use; do not touch them or any attaching hardware immediately after they have been turned off.

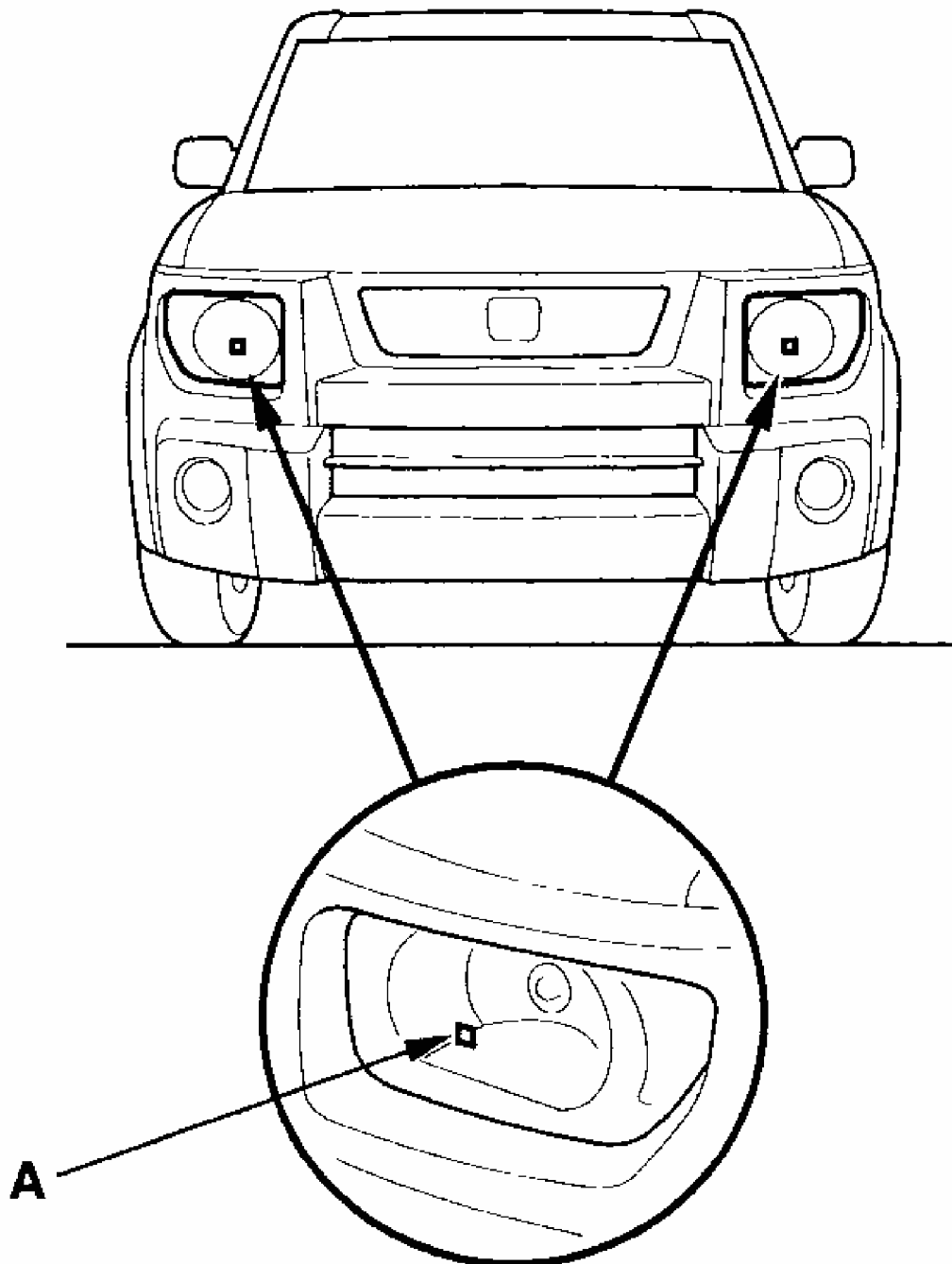
Before adjusting the headlights:

- Park the vehicle on a level surface.
- Make sure the tire pressures are correct.
- The driver or someone who weighs the same should sit in the driver's seat.

1. Clean the outer lens so that you can see the center of the headlights (A).

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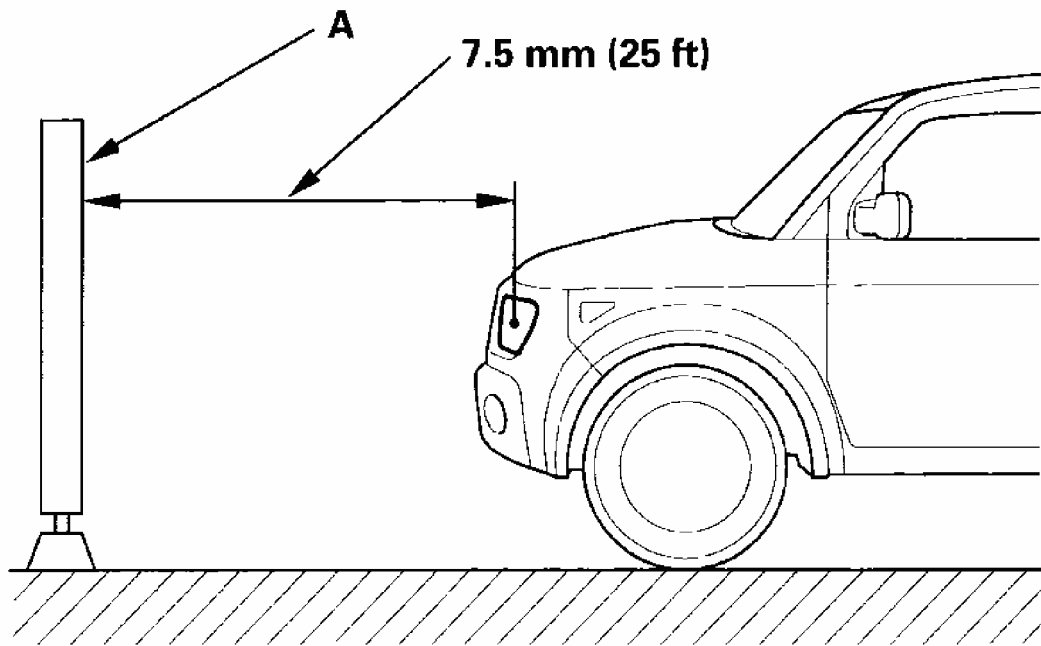
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Fig. 13: Identifying Outer Lens Center Of Headlights
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Park the vehicle 7.5 m (25 ft) away from a wall or a screen (A).



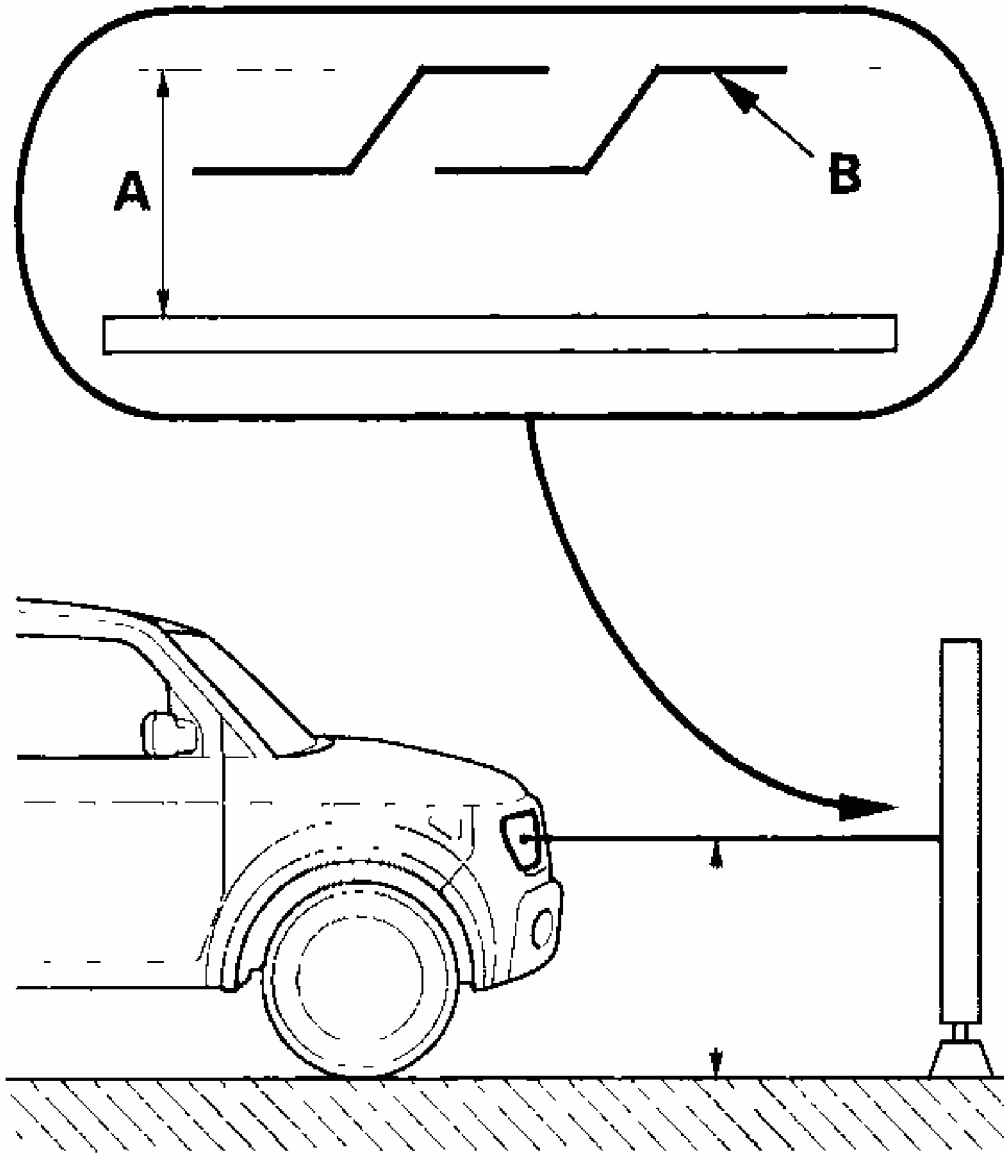
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**Fig. 14: Parking Vehicle 7.5 M (25 ft) Away From Wall Or Screen
Courtesy of AMERICAN HONDA MOTOR CO., INC.**

3. Turn the low beams on.
4. Determine if the headlights are aimed properly.

Vertical adjustment:

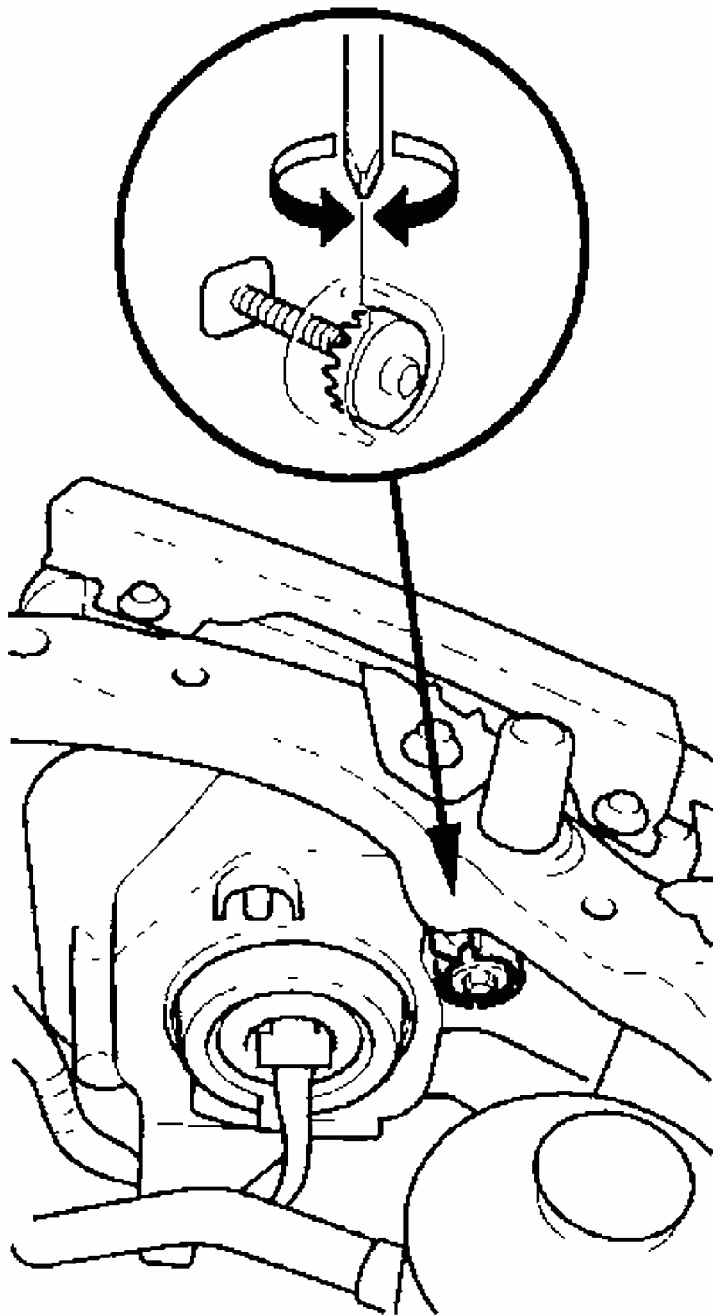
Measure the height of the headlights (A). Adjust the cut line (B) to the lights height.



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Fig. 15: Measuring Height Of Headlights
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. If necessary, adjust the headlights to local requirements by turning the vertical adjuster.



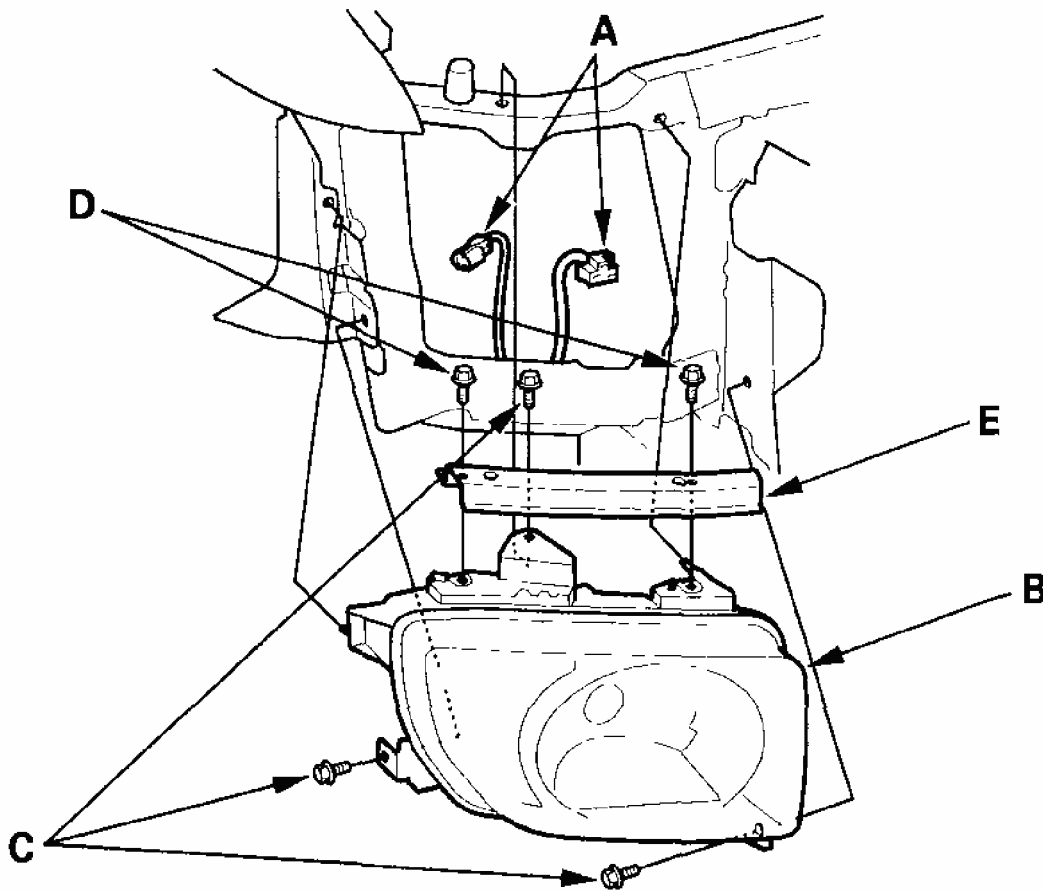
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Fig. 16: Adjusting Headlights To Local Requirements By Turning Vertical Adjuster
Courtesy of AMERICAN HONDA MOTOR CO., INC.

HEADLIGHT REPLACEMENT

1. Remove the front bumper (see **FRONT BUMPER REMOVAL/INSTALLATION**).

2. Disconnect the connectors (A) from the headlight (B).



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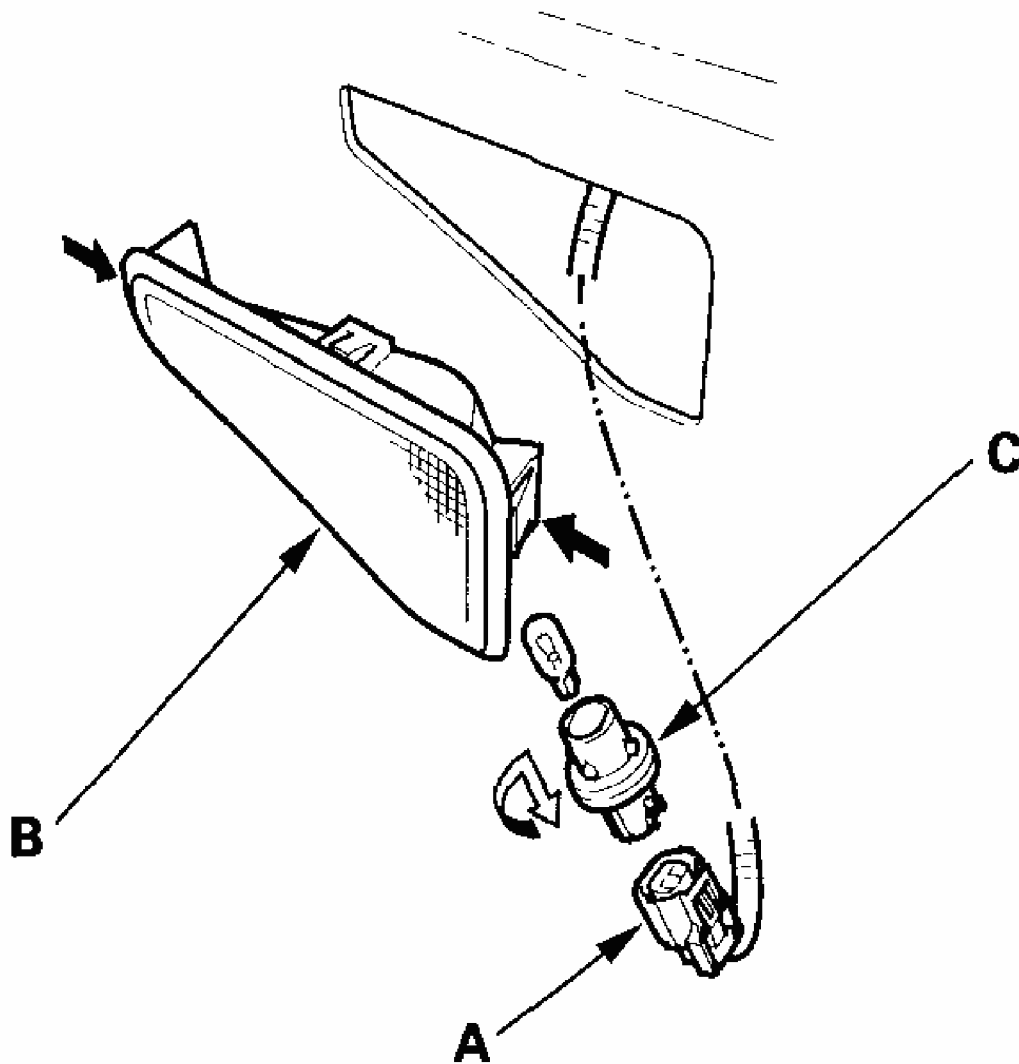
Fig. 17: Disconnecting Connectors From Headlight
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the three mounting bolts (C) and headlight assembly.
4. Remove the two bolts (D) and corner upper beam (E).
5. Install in the reverse order of removal.
6. After replacement, adjust the headlights (see HEADLIGHT ADJUSTMENT).

SIDE MARKER LIGHT REPLACEMENT

1. Remove the inner fender (see FRONT INNER FENDER REPLACEMENT).
2. Disconnect the 2P connector (A) from the side marker light (B).

Side Marker Light: 5 W



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Fig. 18: Disconnecting 2P Connector From Side Marker Light
Courtesy of AMERICAN HONDA MOTOR CO., INC.

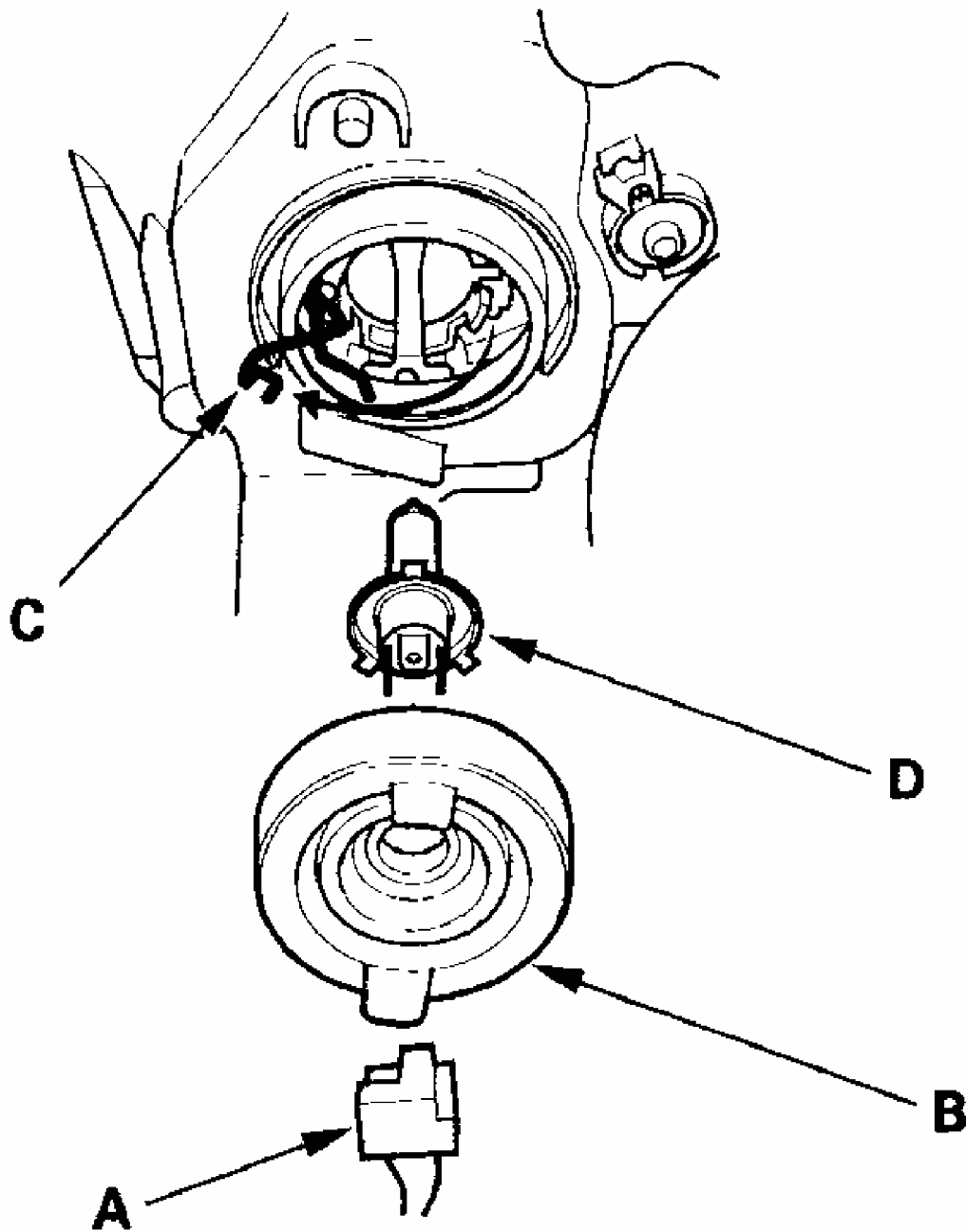
3. Turn the bulb socket (C) 45° counterclockwise to remove it from the light.
4. Push the light out from inside of the front fender, and remove the light.
5. Install the light in the reverse order of removal.

BULB REPLACEMENT

HEADLIGHT

1. Disconnect the 3P connector (A) from the headlight.

Headlight (high/low): 60/55 W



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Fig. 19: Disconnecting 3P connector From Headlight (High/Low): 60/55 W)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Remove the rubber cover (B).
3. Pull the retaining spring (C) away from the bulb (D), then remove the bulb.
4. Install a new bulb in the reverse order of removal. Make sure the tabs on the bulb align with the notches in the headlight.

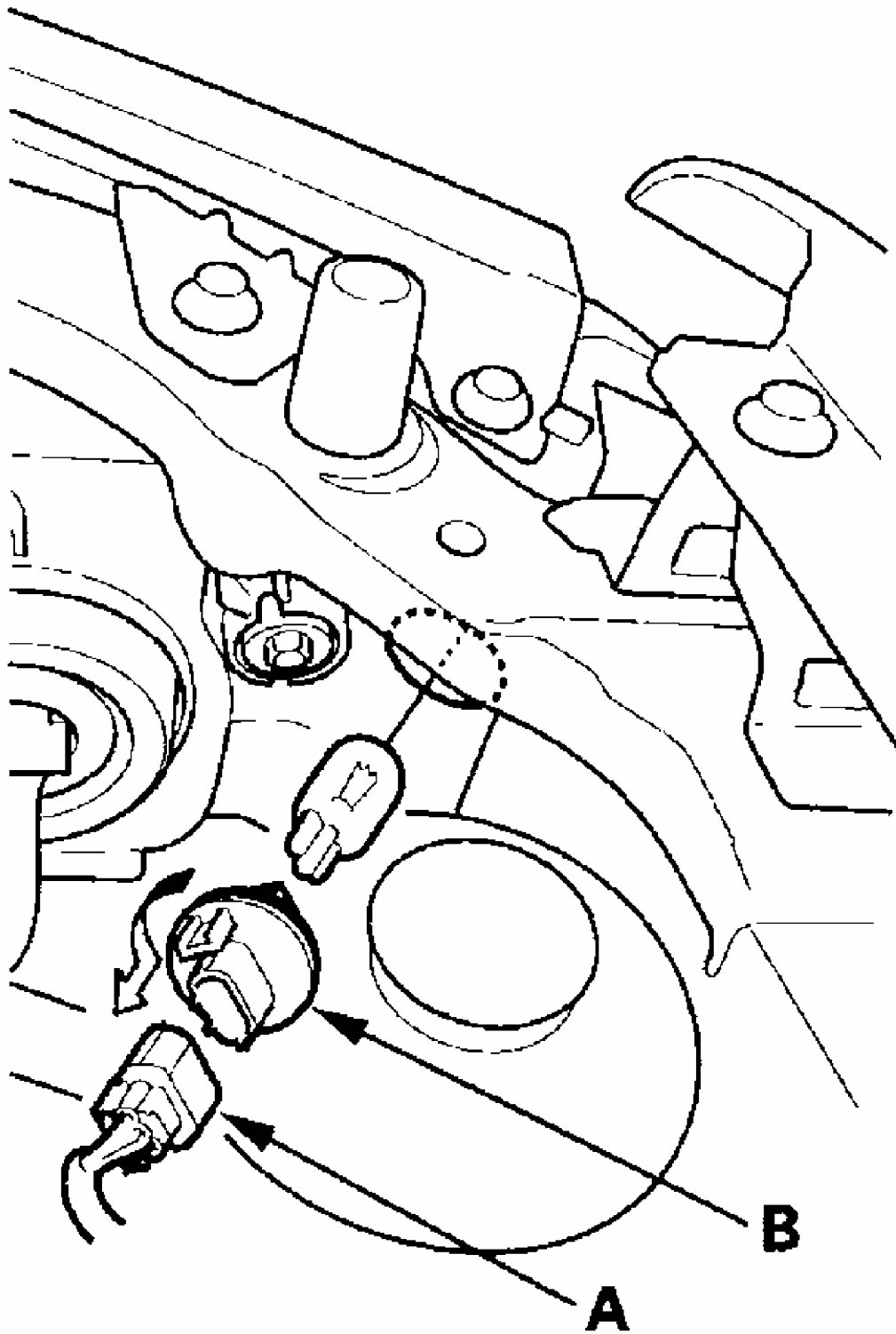
FRONT TURN SIGNAL/PARKING LIGHT

1. Disconnect the connector (A) from the light.

Front Turn Signal/Parking Light: 21/5 W

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Fig. 20: Disconnecting Connector From Light (Front Turn Signal/Parking Light: 21/5 W)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Turn the bulb socket (B) 45° counterclockwise to remove it from the headlight housing.
3. Install the new bulb in the reverse order of removal.

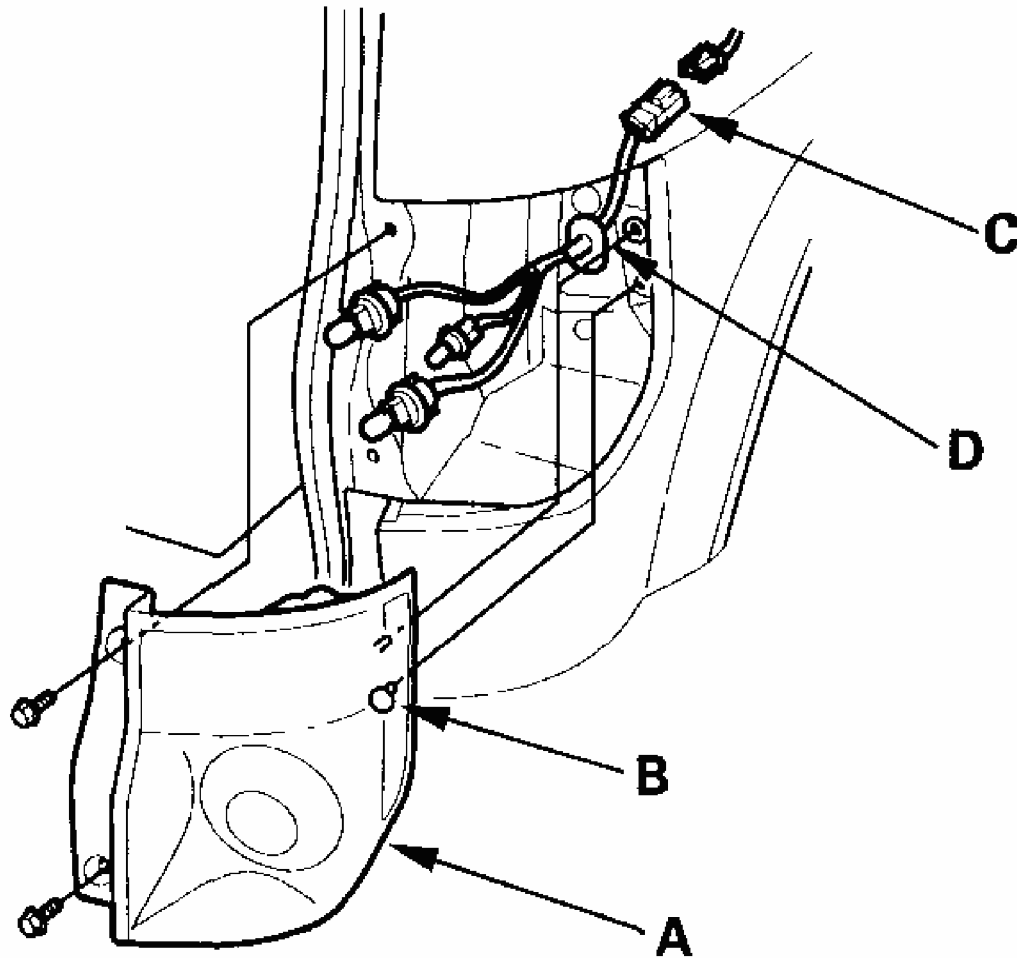
TAILLIGHT REPLACEMENT

1. Open the hatch and the tailgate.
2. Remove the two mounting bolts from the taillight (A).

Brake/Taillight: 21/5 W

Back-up Light: 18 W

Rear Turn Signal Light: 21 W



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Fig. 21: Removing Two Mounting Bolts From Taillight
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Pull the taillight away from the body to disengage the clip (B).
4. Turn the bulb socket 45° counterclockwise to remove the bulb socket.
5. If necessary, disconnect the 5P connector (C), and remove the taillight harness grommet (D) from the body.
6. Install the taillight in the reverse order of removal, and run water over it to make sure it does not leak.

HIGH MOUNT BRAKE LIGHT REPLACEMENT

1. Push in the clips, and remove the cover (A) from the housing (B).

High Mount Brake Light Bulb: 21 W

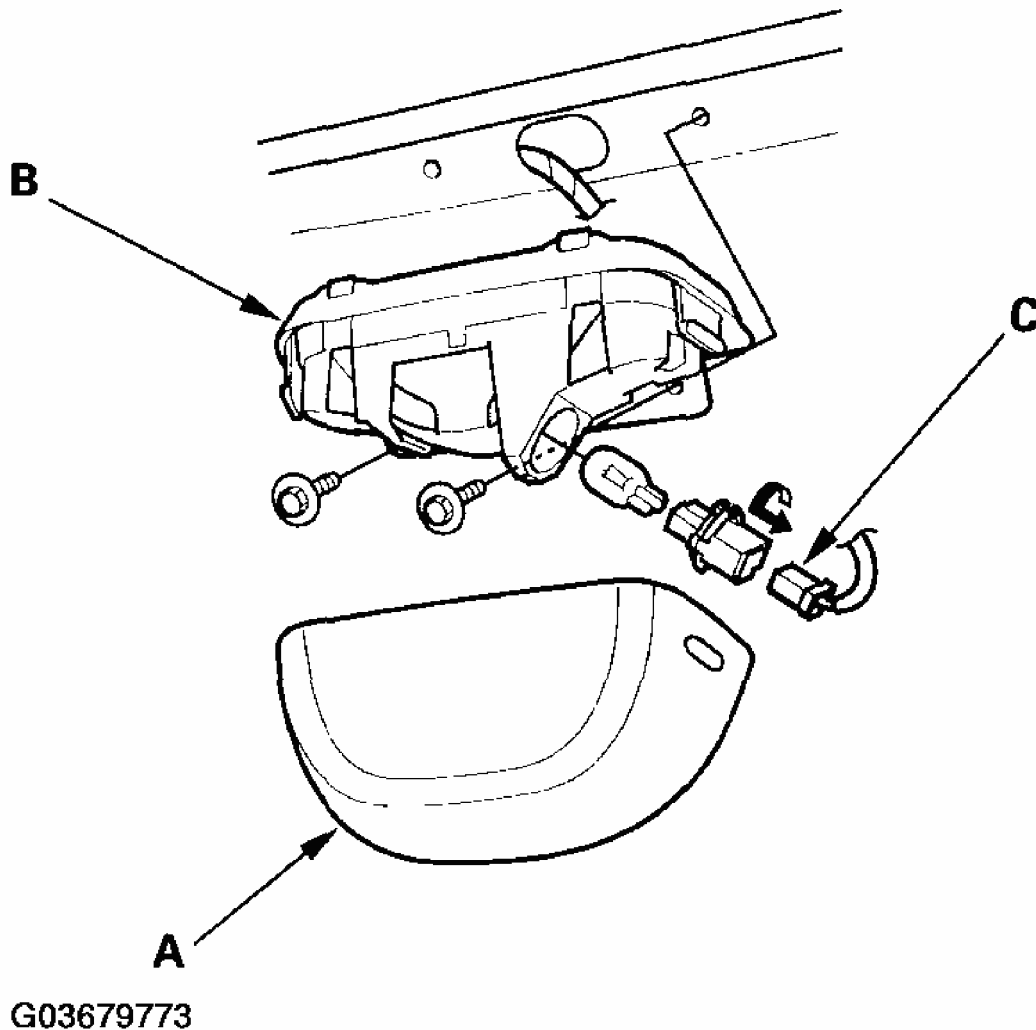


Fig. 22: Pushing In Clips, And Removing Cover From Housing (High Mount Brake Light Bulb)

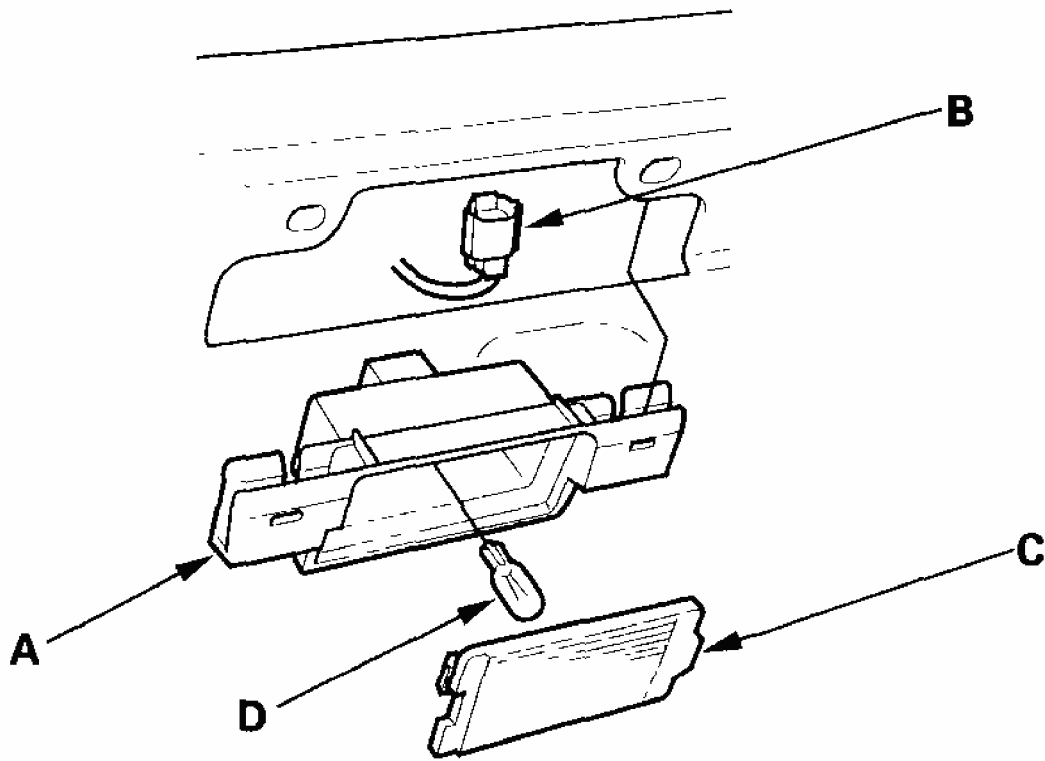
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Disconnect the 2P connector (C).
3. Remove the mounting nuts and the housing.
4. Install the high mount brake light in the reverse order of removal.

LICENSE PLATE LIGHT REPLACEMENT

1. Remove the license plate light (A) from the tailgate lower cladding.

License Plate Bulb: 5 W



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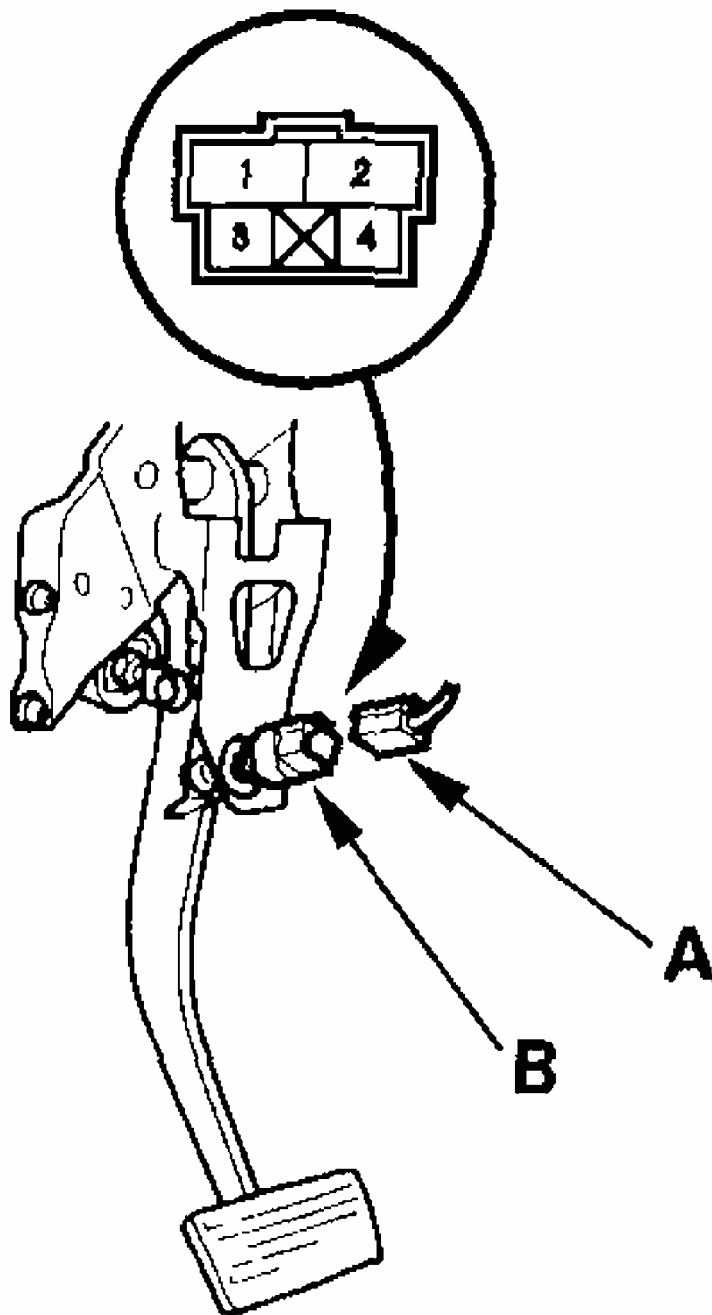
Fig. 23: Removing License Plate Light From Tailgate Lower Cladding (License Plate Bulb: 5 W)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Disconnect the 2P connector (B) from the light.
3. Take the lens (C) off, then remove the bulb (D).
4. Install the light in the reverse order of removal.

BRAKE PEDAL POSITION SWITCH TEST

1. Remove the driver's dashboard lower cover (see **DRIVER'S DASHBOARD LOWER COVER REMOVAL/INSTALLATION**).
2. Disconnect the 4P connector (A) from the brake pedal position switch (B).



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Fig. 24: Disconnecting 4P Connector From Brake Pedal Position Switch
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Check for continuity between the No. 1 and No. 2 terminals.
 - There should be continuity when the brake pedal is pressed.
 - There should be no continuity when the brake pedal is released.

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4. Check for continuity between the No. 3 and No. 4 terminals (with cruise control).
 - There should be no continuity when the brake pedal is pressed.
 - There should be continuity when the brake pedal is released.
5. If necessary, adjust the pedal height (see **PEDAL HEIGHT**), or replace the switch.