

2006 Honda Insight
2000-06 ACCESSORIES & EQUIPMENT Exterior Lights - Insight

2000-06 ACCESSORIES & EQUIPMENT

Exterior Lights - Insight

COMPONENT LOCATION INDEX

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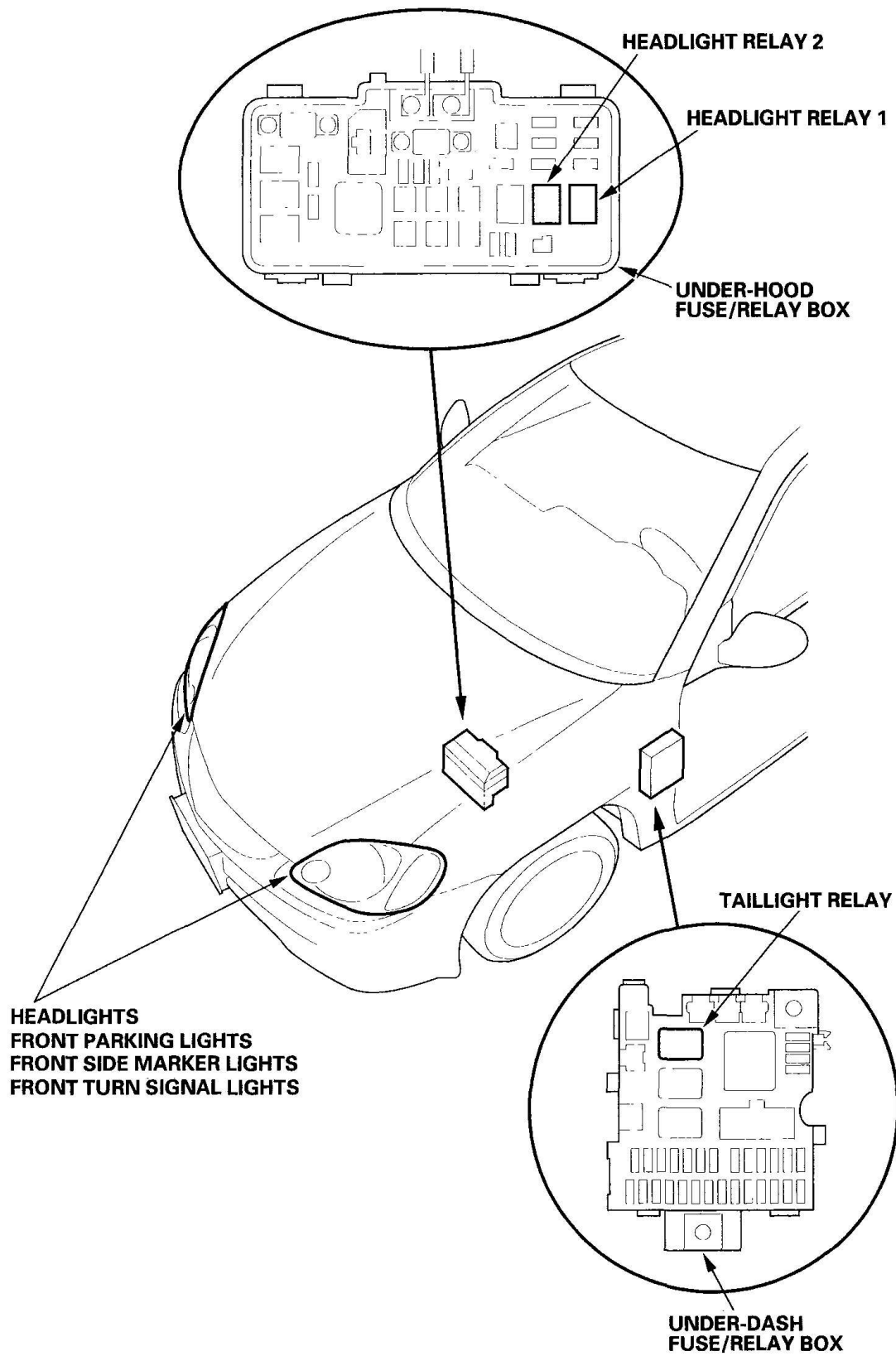
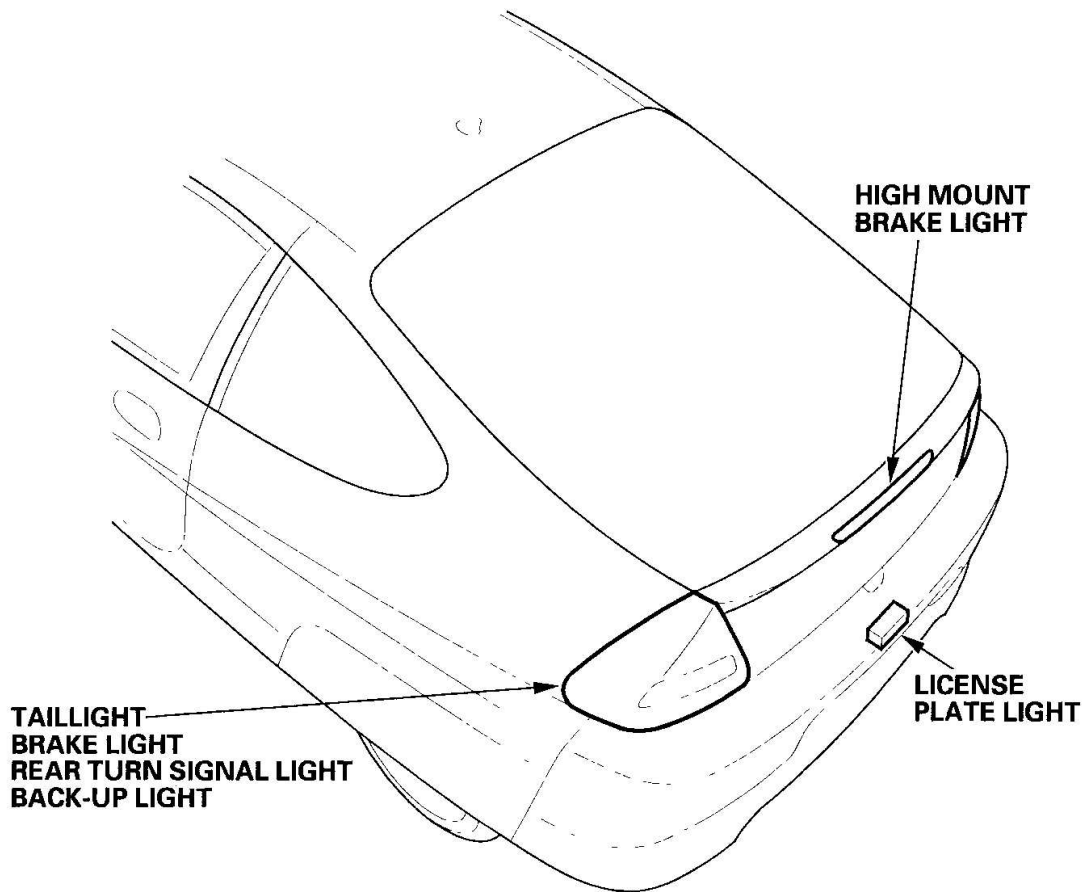
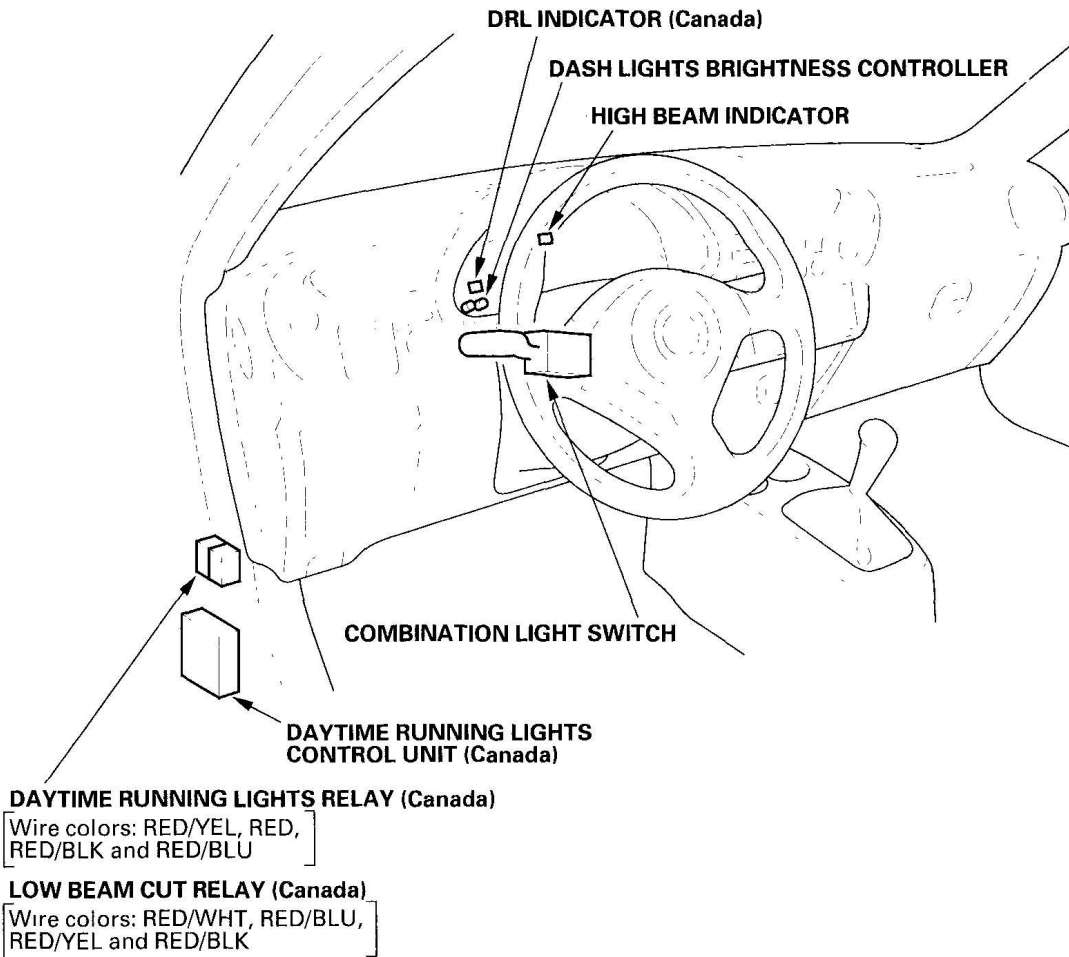


Fig. 1: Identifying Exterior Lights Component Location (1 Of 3)
Courtesy of AMERICAN HONDA MOTOR CO., INC.



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



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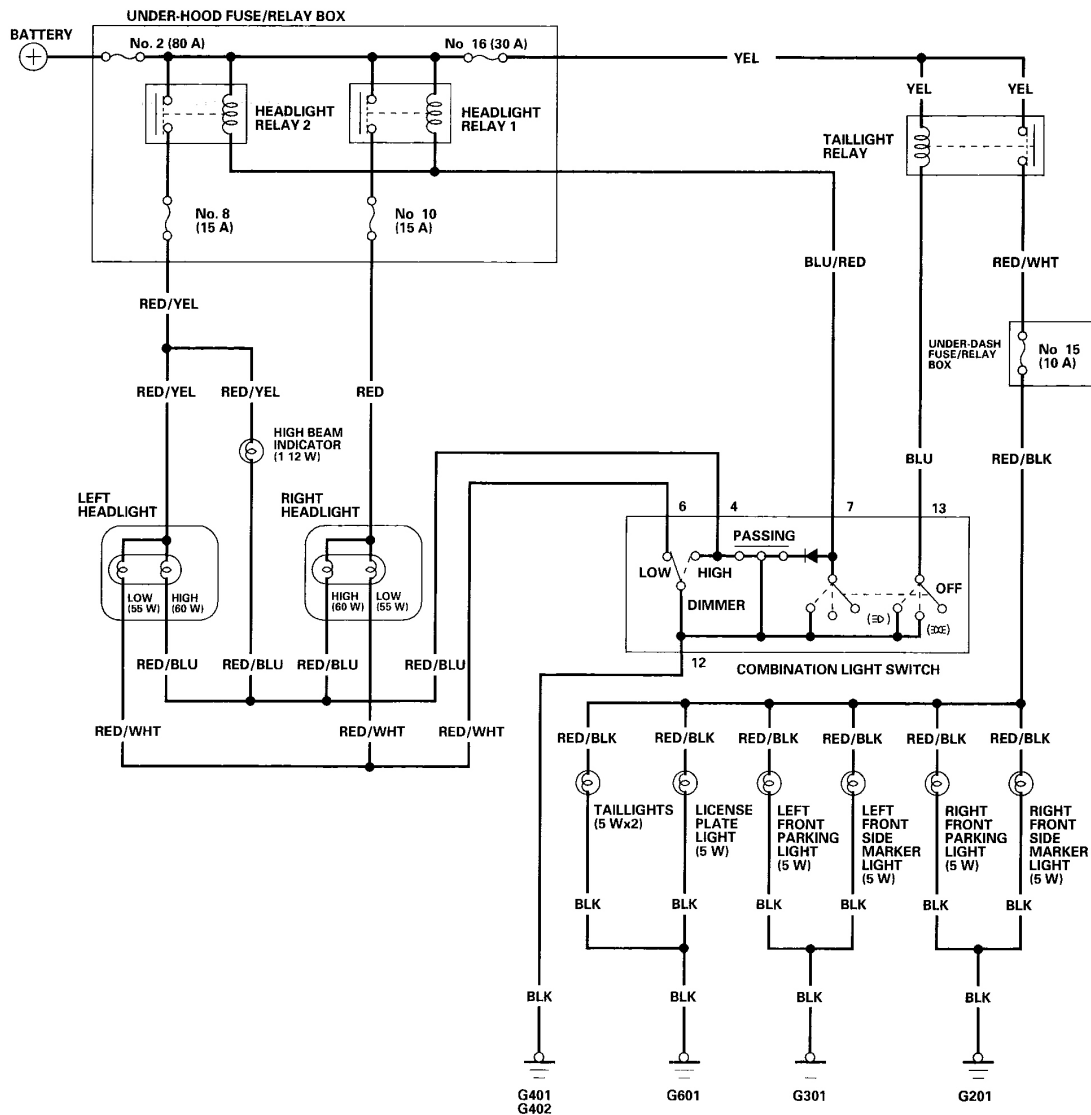
Fig. 3: Identifying Exterior Lights Component Location (3 Of 3)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM - LIGHTING SYSTEM

USA

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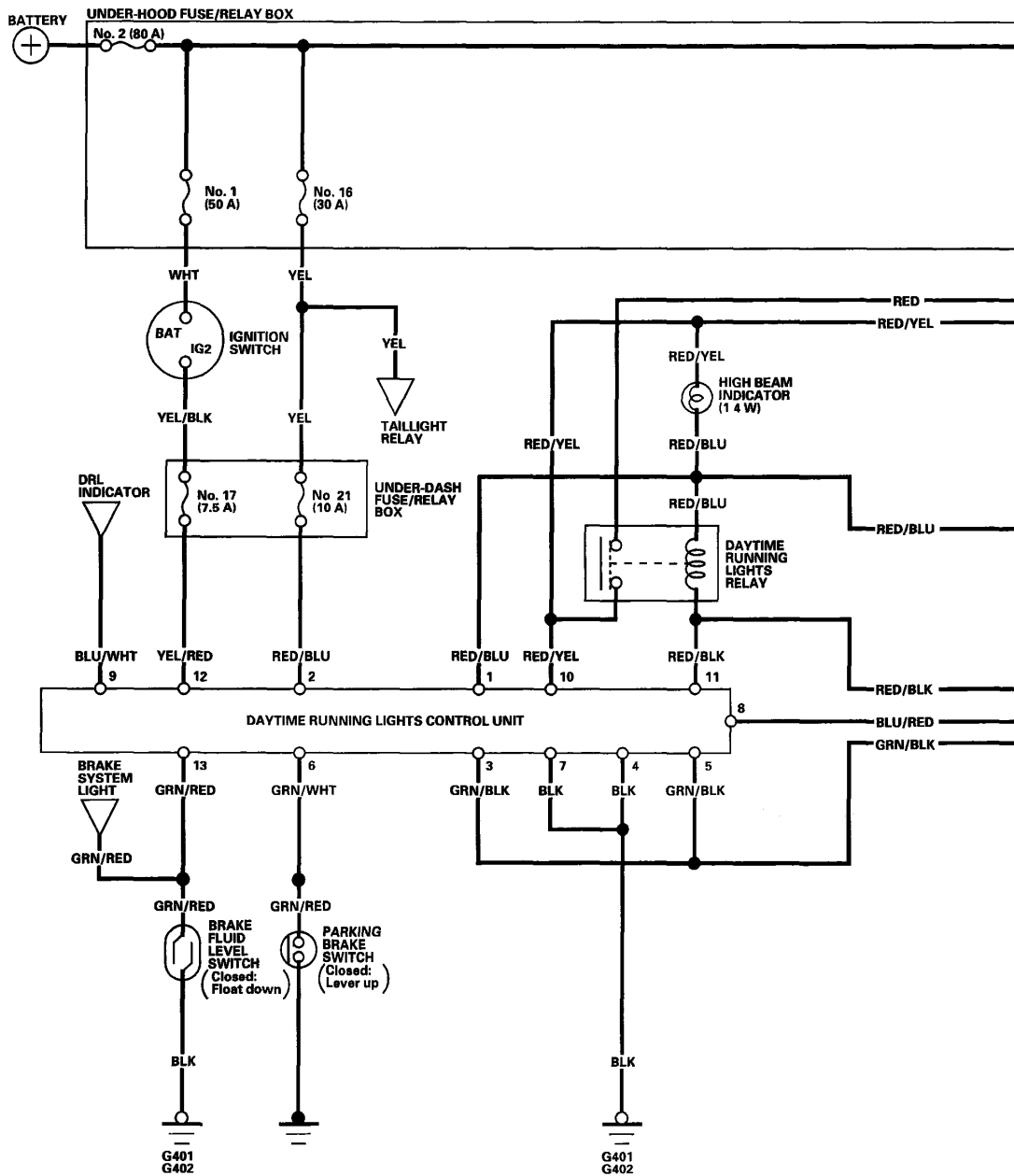
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Fig. 4: Identifying Circuit Diagram - Lighting System USA
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CANADA

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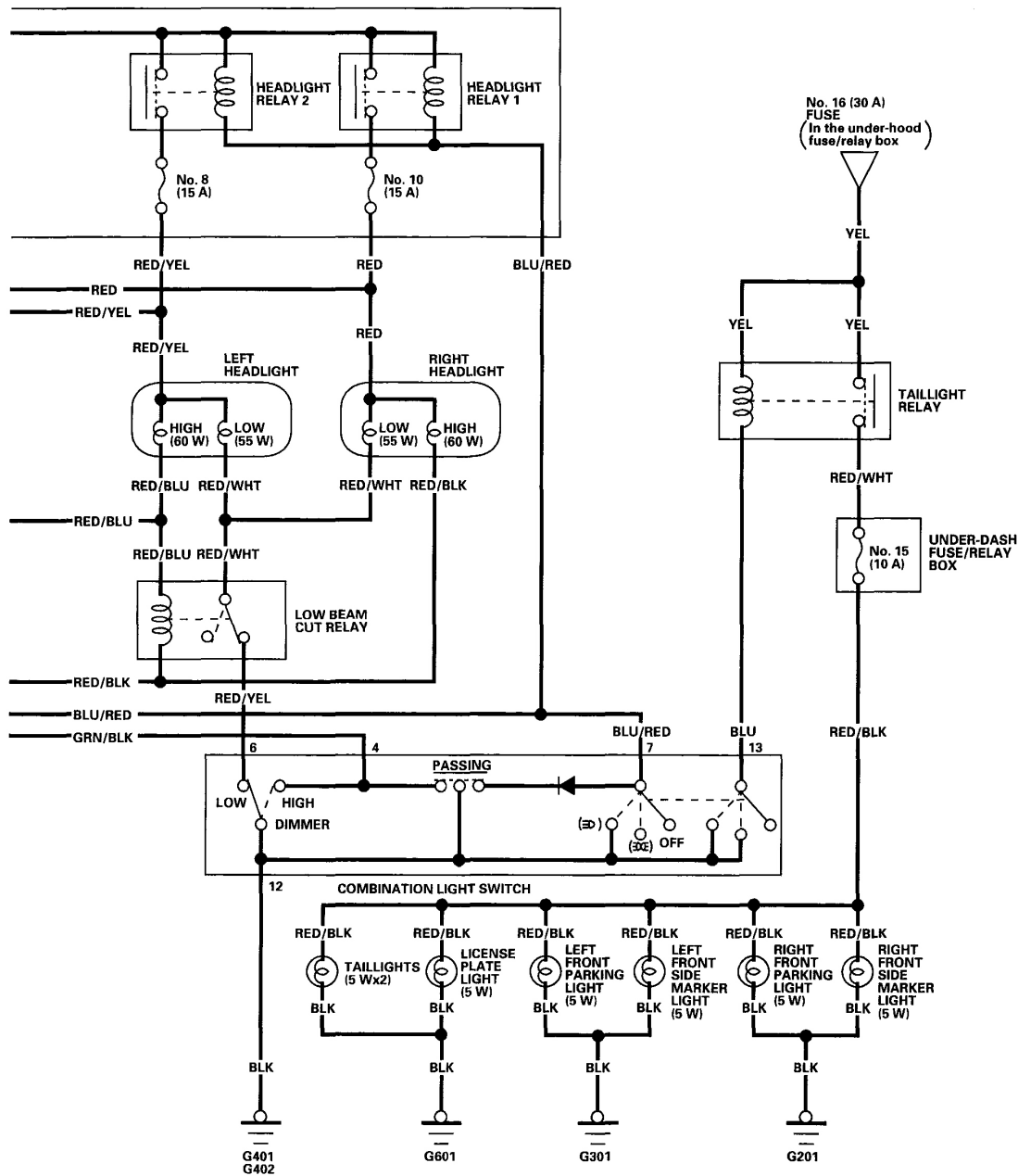


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Fig. 5: Identifying Circuit Diagram - Lighting System Canada (1 Of 2)
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Fig. 6: Identifying Circuit Diagram - Lighting System Canada (1 Of 2)
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CIRCUIT DIAGRAM - BRAKE LIGHTS

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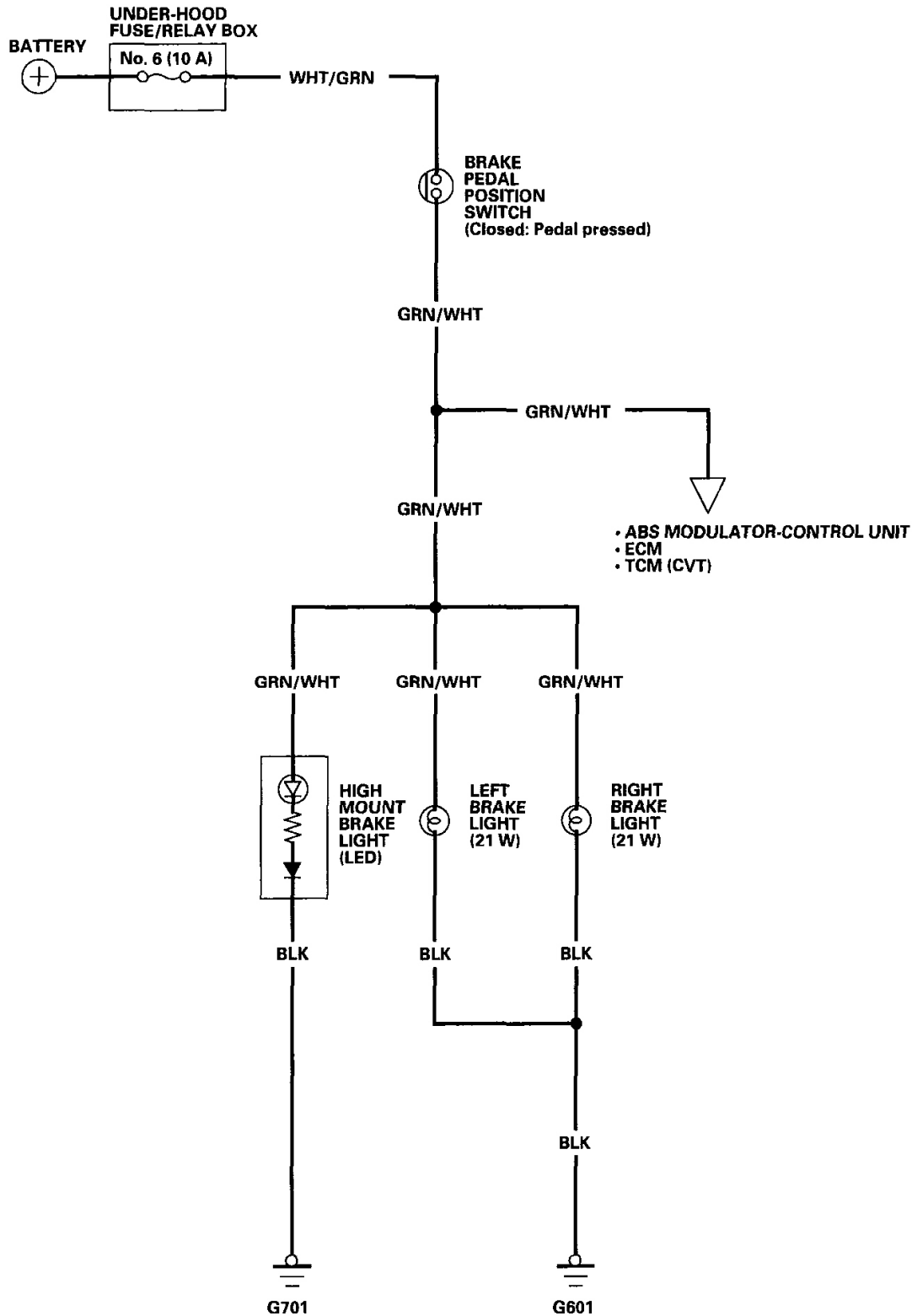


Fig. 7: Identifying Brake Lights Circuit Diagram
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM - BACK-UP LIGHTS

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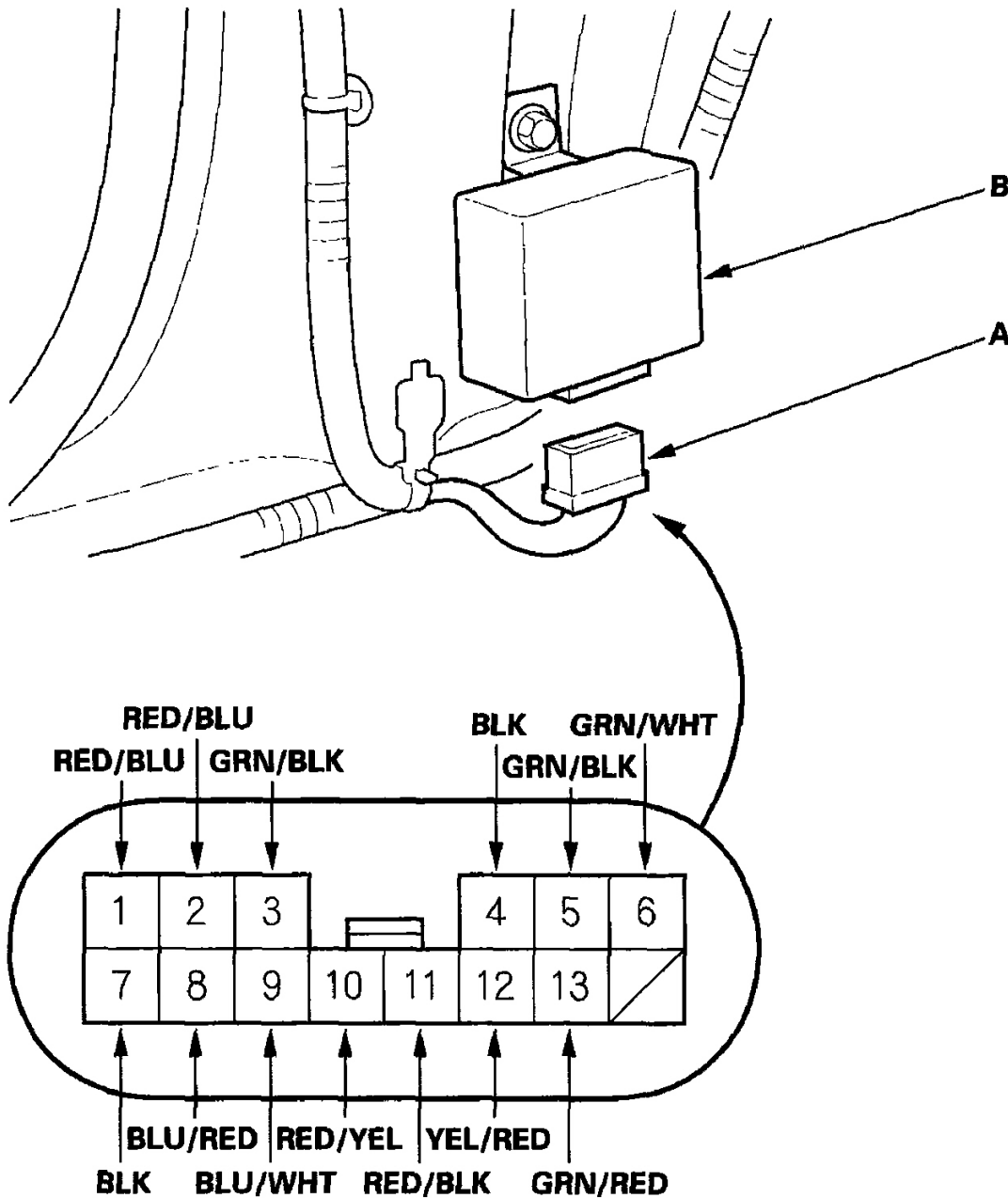


DAYTIME RUNNING LIGHTS CONTROL UNIT INPUT TEST

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1. Remove the left door sill trim (see **TRIM REMOVAL/INSTALLATION - DOOR AREAS**), and pull away the carpet from left front side of floor.
2. Disconnect the 14P connector (A) from the daytime running lights control unit (B).



Wire side of female terminals

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Fig. 9: Disconnecting 14P Connector From Daytime Running Lights Control Unit

Courtesy of AMERICAN HONDA MOTOR CO., INC.

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3. Inspect all 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.
 - If the terminals look OK, go to step 4.
4. Reconnect the connector to the control unit, and 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, go to step 5.

INPUT TESTS AT CONNECTOR REFERENCE

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
2	RED/BLU	Under all conditions	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none">• Blown No. 16 (30 A) fuse in the under-hood fuse/relay box• Blown No. 21 (10 A) fuse in the under-dash fuse/relay box• An open in the wire
4	BLK	Under all conditions	Check for voltage to ground: There should be less than 1V.	<ul style="list-style-type: none">• Poor ground (G401.G402)• An open in the wire
7				
6	GRN/WHT	Parking brake lever pulled up	Check for voltage to ground: There	<ul style="list-style-type: none">• Faulty parking brake switch

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			should be less than 1 V.	<ul style="list-style-type: none"> • An open in the wire
8	BLU/RED	Combination switch OFF	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> • Faulty headlight relay • An open in the wire
		Combination switch ON	Check for voltage to ground: There should be less than 1 V.	<ul style="list-style-type: none"> • Faulty headlight switch • An open in the wire
10	RED/YEL	Combination light switch ON (ON LIGHT)	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 8 (15 A) fuse in the under-hood fuse/relay box • Faulty combination light switch • Faulty headlight relay 2 • An open in the wire
3	GRN/BLK	Dimmer switch in HIGH	Check for voltage to ground: There should be less than 1V.	<ul style="list-style-type: none"> • Poor ground (G401,G402) • An open in the wire
5				
			Check for voltage to	

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12	YEL/RED	Ignition switch ON (II)	ground: There should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 17 (7.5 A) fuse in the under-dash fuse/relay box • An open in the wire
13	GRN/RED	Brake fluid reservoir float in down position	Check for voltage to ground: There should be less than 1 V.	<ul style="list-style-type: none"> • Poor ground (G401, G402) • Faulty brake fluid level switch • An open in the wire

5. Disconnect the 14P connector from the control unit, and 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.

INPUT TESTS AT CONNECTOR REFERENCE

Cavity	Wire	Test condition	Test: Desired result	Possible cause if is not obtained
1	RED/BLU	Under all conditions	Connect a jumper wire between No.1 and No.2 terminals and connect No.10 terminal to ground:	<ul style="list-style-type: none"> • Blown No. 16 (30 A) fuse in the • Blown No. 21 (10 A) fuse in the under-hood fuse/relay box
11	RED/BLK		The left headlight (HIGH) and high beam indicator light should come on.	<ul style="list-style-type: none"> • Blown headlight bulb (High beam) • Blown high beam indicator light • An open in the wire

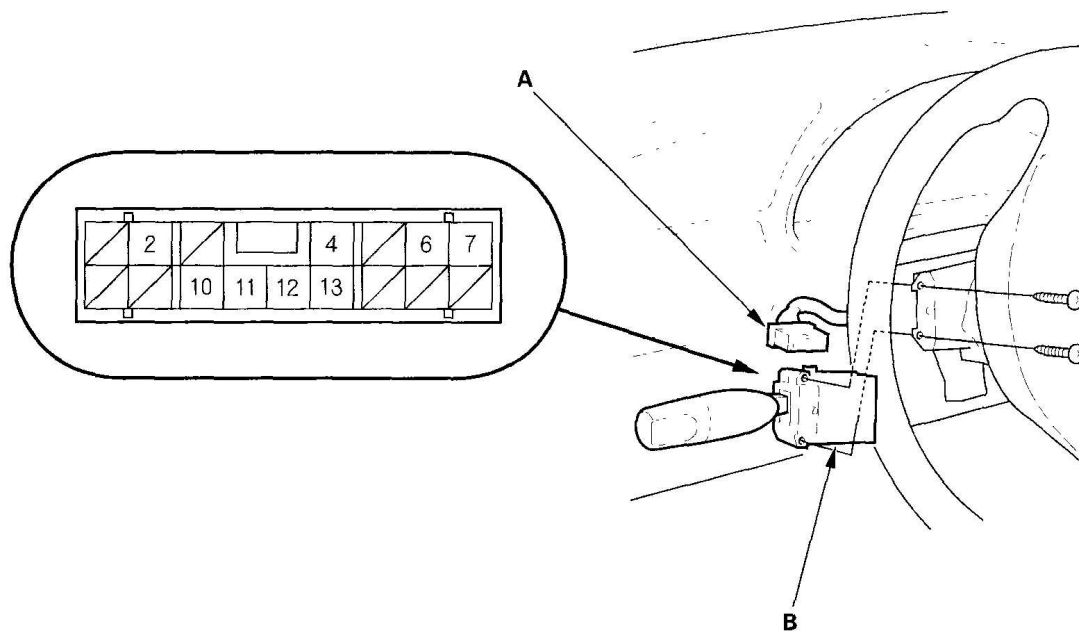
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9	BLU/WHT	Ignition switch ON (II).	Connect to ground: The indicator light should come on.	<ul style="list-style-type: none">• Faulty DRL indicator light• An open in the wire
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COMBINATION LIGHT SWITCH TEST/REPLACEMENT

1. Remove the steering column covers (see **STEERING COLUMN REMOVAL AND INSTALLATION**).
2. Disconnect the 16P connector (A) from the combination light switch (B).



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Fig. 10: Disconnecting 16P Connector From Combination Light Switch
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the two screws, then pull out the switch.
4. Check for continuity between the terminals in each switch position according to the table. If the continuity check is not as specified, replace the switch.

Lighting switch:

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Terminal		7		6	4	12	13
Position							
Headlight switch	OFF			○		○	
	⏏			○		○	○
	⏏	○		○		○	○
				○		○	
Passing switch	LOW				○	○	
	HIGH	○				○	○
Passing switch	OFF						
	ON	○	→		○	○	

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Fig. 11: Identifying Lighting Switch
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Turn Signal switch:

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

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Fig. 12: Identifying Turn Signal Switch
Courtesy of AMERICAN HONDA MOTOR CO., INC.

HEADLIGHT REPLACEMENT

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

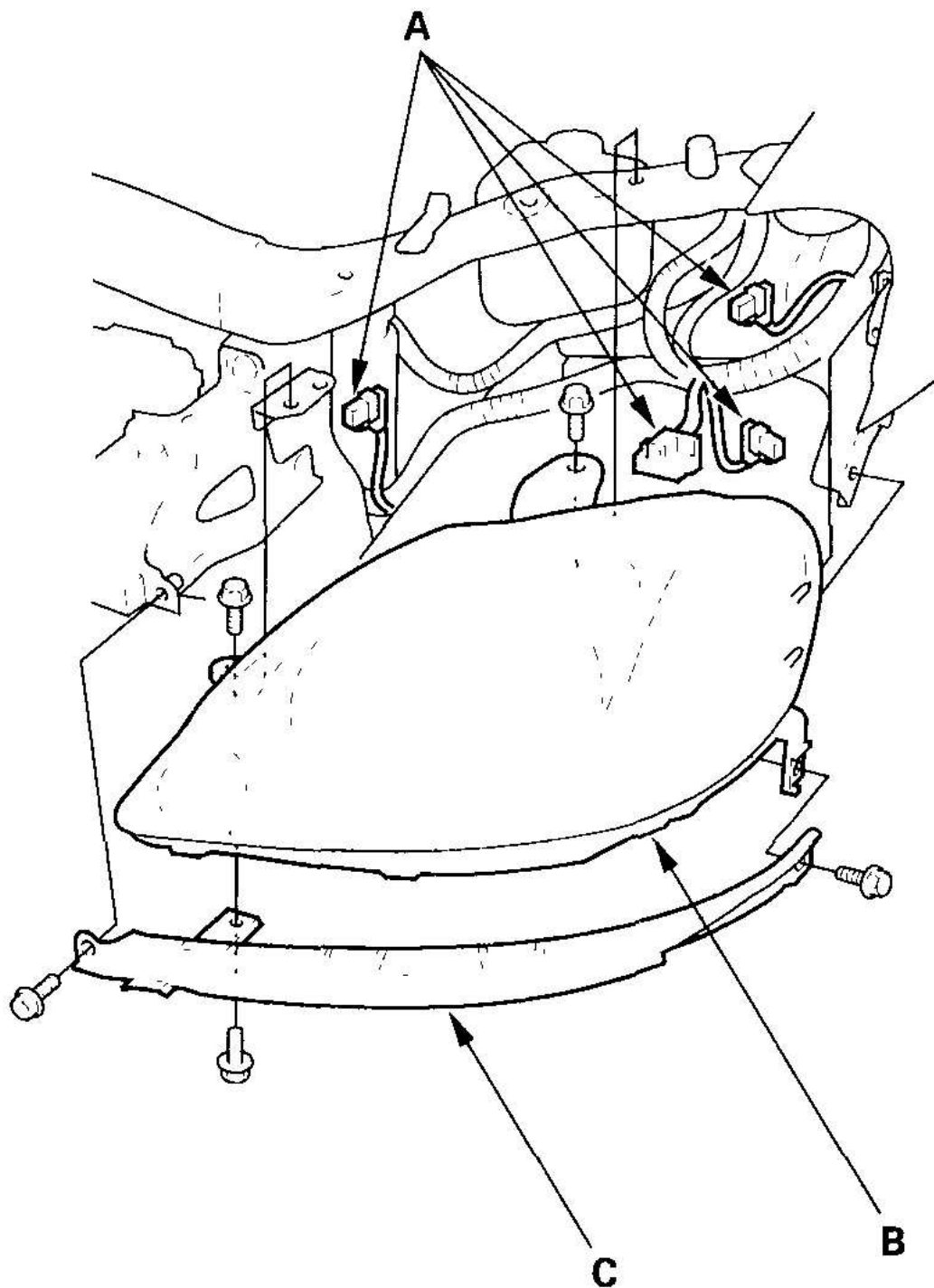
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HEADLIGHT REPLACEMENT

1. Remove the front bumper (see **FRONT BUMPER REMOVAL/INSTALLATION**).
2. Disconnect the connectors (A) from the headlight (B).

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Fig. 13: Disconnecting Connectors From Headlight
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the five mounting bolts, then remove the corner bracket (C) and headlight.
4. Install the headlight in the reverse order of removal.
5. After replacement, adjust the headlights to local requirements.

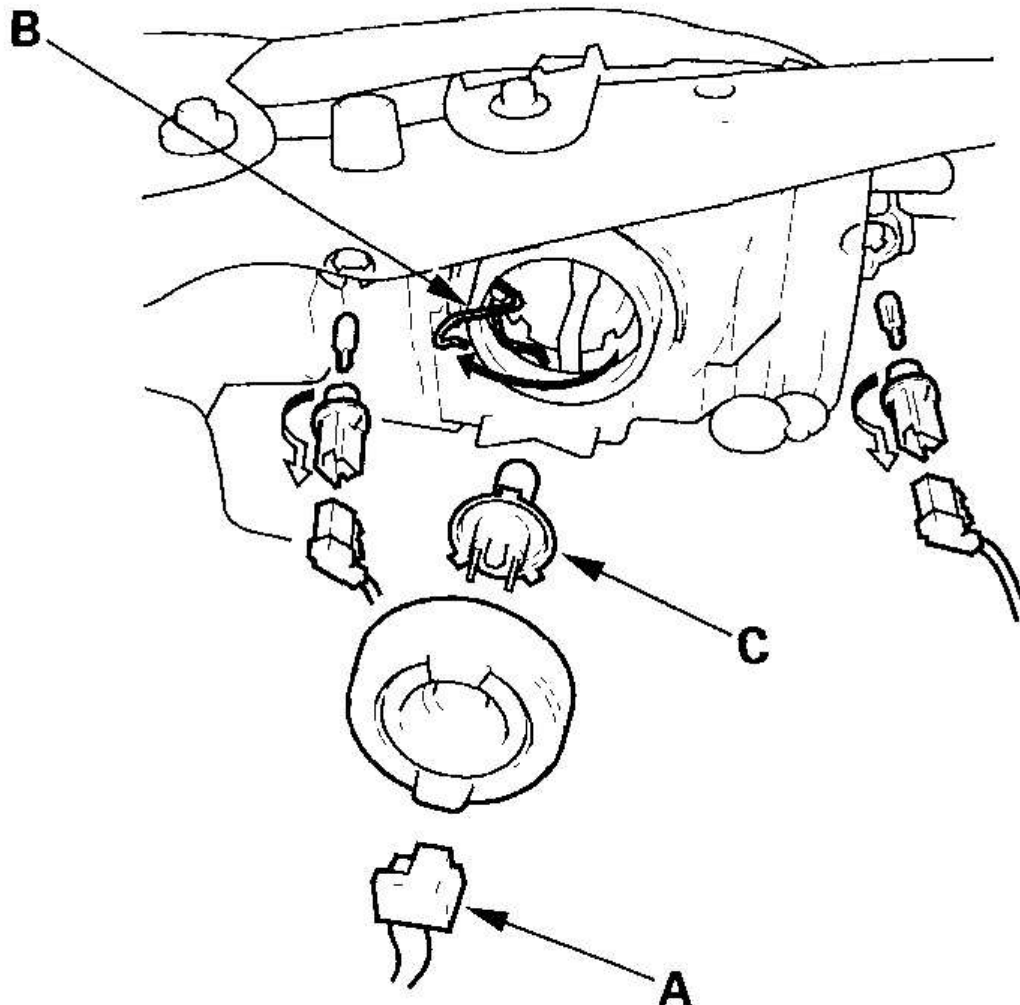
HEADLIGHT BULB REPLACEMENT

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

HEADLIGHT: 60/55 W

FRONT PARKING LIGHT: 5 W

FRONT SIDE MARKER LIGHT: 5 W



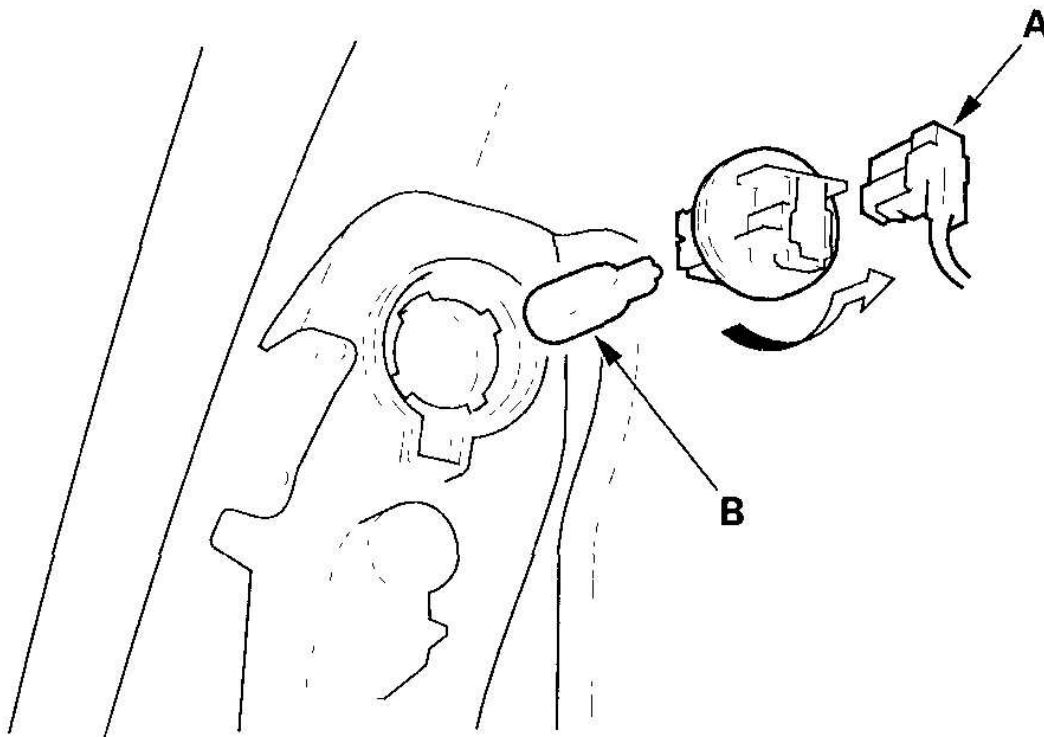
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Fig. 14: Disconnecting 3P Connector From Headlight
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Remove the retainer (B) and bulb (C).
3. Disconnect the 2P connectors, then turn the bulb socket 45° counterclockwise to remove the bulb.
4. Remove the inner fender (see **FRONT INNER FENDER REPLACEMENT**).

5. Disconnect the 2P connector (A), then turn the bulb socket 45° counterclockwise to remove the bulb (B).

FRONT TURN SIGNAL LIGHT: 21 W



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Fig. 15: Disconnecting 2P Connector And Removing Bulb Socket
Courtesy of AMERICAN HONDA MOTOR CO., INC.

HEADLIGHT ADJUSTMENT

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

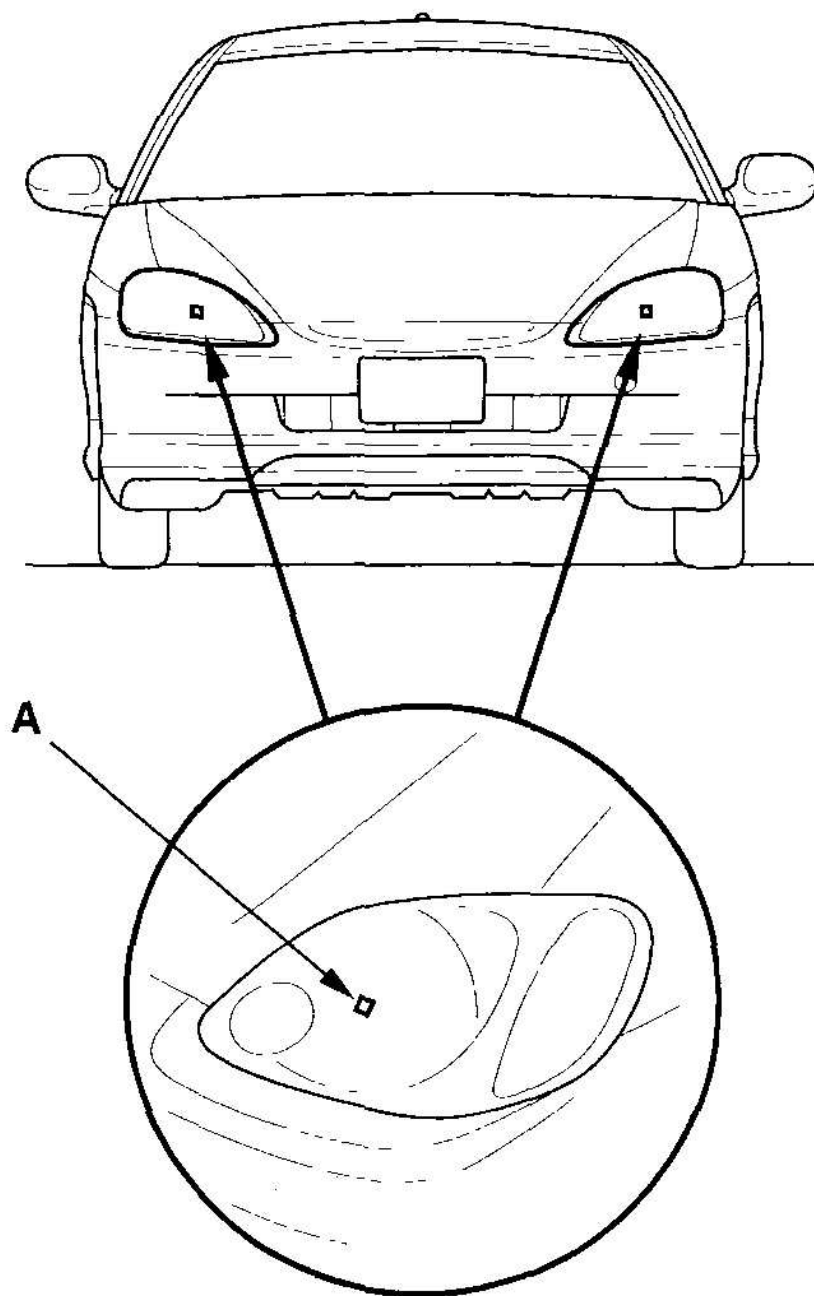
Before adjusting the headlights:

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- Park the vehicle on 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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Fig. 16: Identifying Center Of Headlights
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2. Park the vehicle 25 ft (7.5 m) away from a wall or a screen (A).

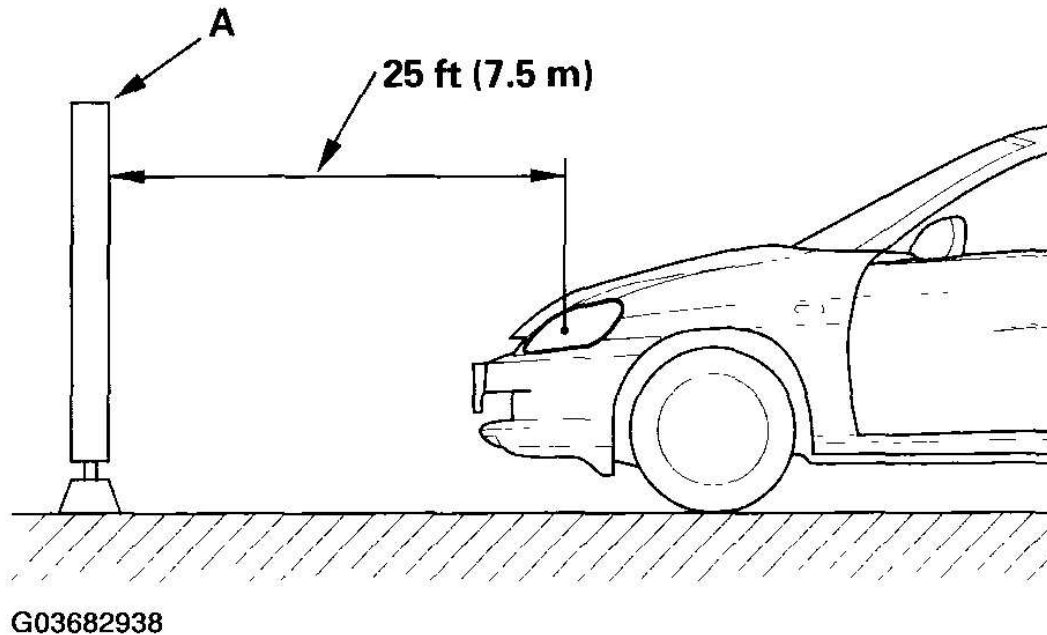


Fig. 17: Parking Vehicle 25 FT (7.5 M) Away From A Wall Or A Screen
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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 light height.

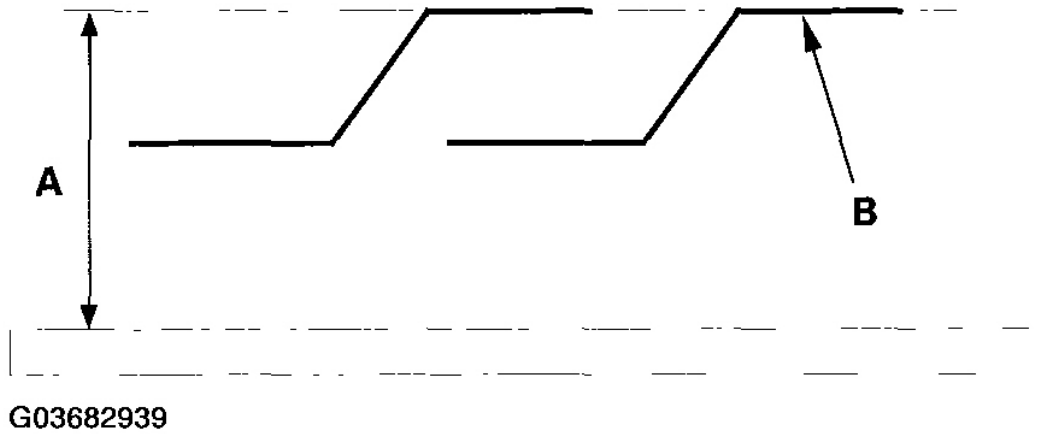


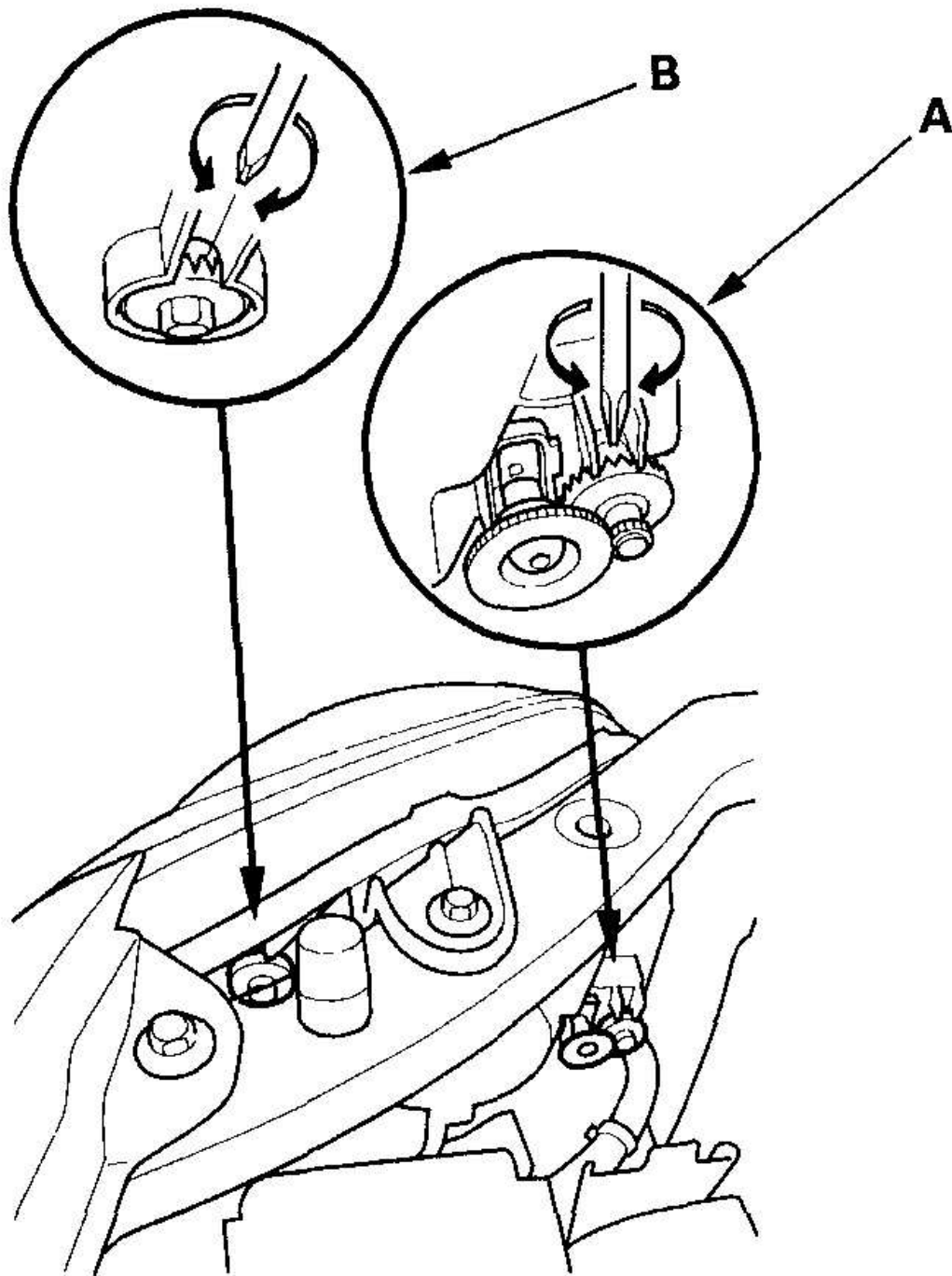
Fig. 18: Measuring Height Of Headlights

Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. If necessary, adjust the headlights to local requirements by turning the horizontal adjuster (A) and the vertical adjuster (B).

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Fig. 19: Adjusting Headlights To Local Requirements By Turning Horizontal Adjuster

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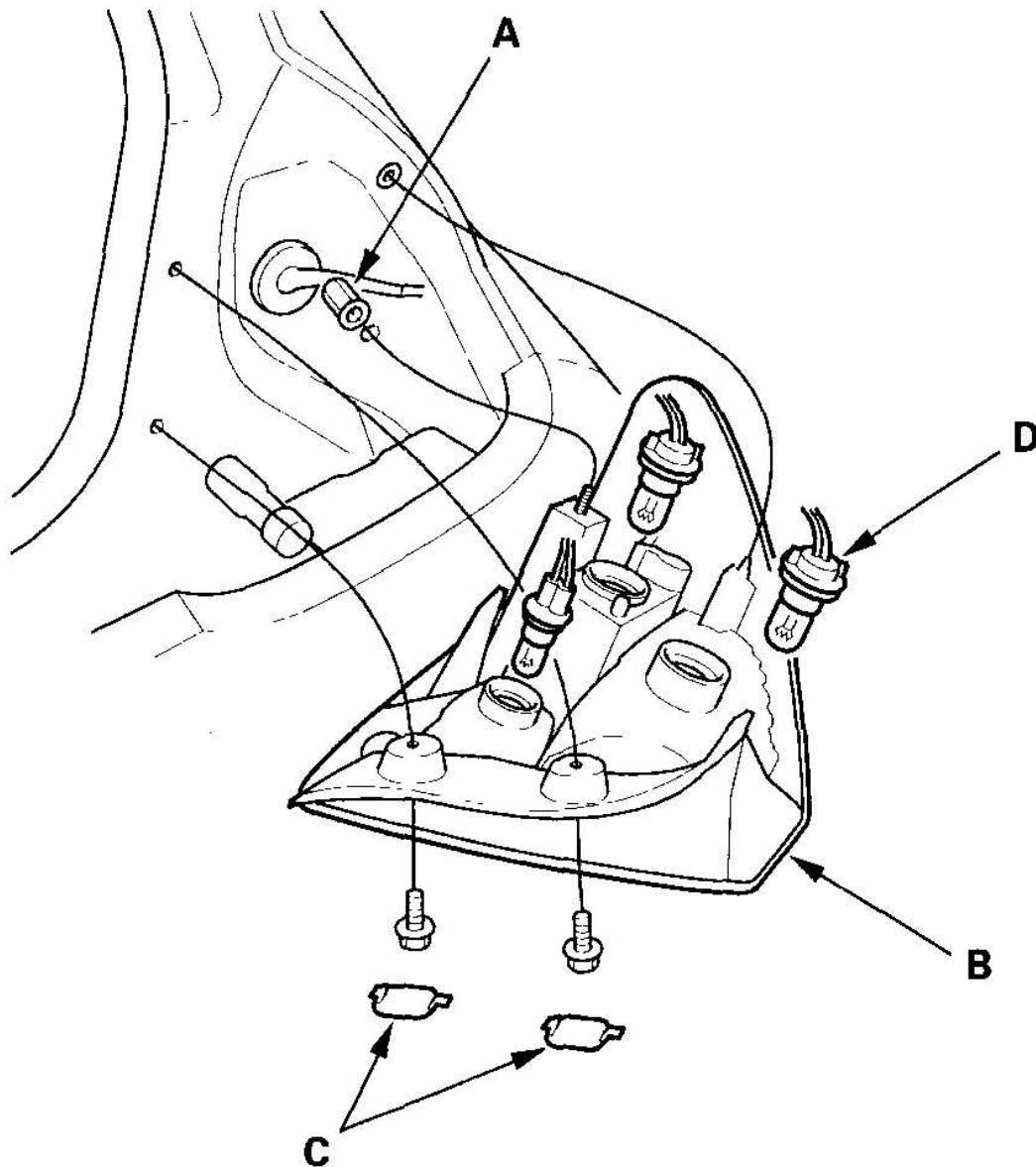
TAILLIGHT REPLACEMENT

1. Open the hatch and pull back the rear trim panel (see **TRIM REMOVAL/INSTALLATION - CARGO AREA**).
2. Remove the mounting nut (A) from the taillight (B).

BRAKE/TAILLIGHT: 21/5 W

REAR TURN SIGNAL LIGHT: 21 W

BACK-UP LIGHT: 18 W



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Fig. 20: Removing Mounting Nut From Taillight
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the covers (C) and two mounting bolts, then remove the taillight.
4. Turn the bulb sockets (D) 45° counterclockwise, then remove them from the light.

5. Install the taillight in the reverse order of removal.
6. After installing, run the water over the taillight to make sure it doesn't leak.

HIGH MOUNT BRAKE LIGHT REPLACEMENT

1. Remove the screw covers (A) and the mounting screws from the high mount brake light (B).

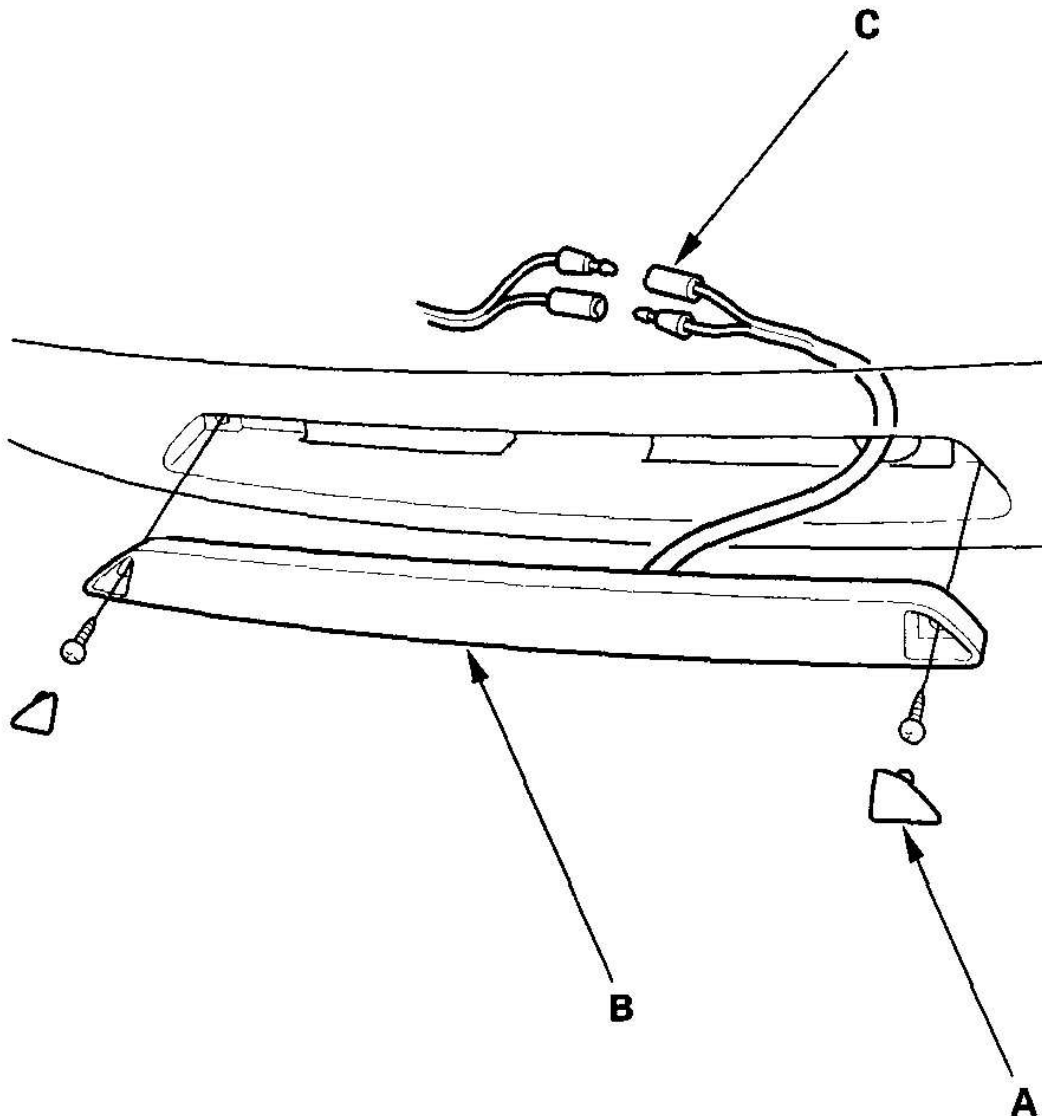


Fig. 21: Removing Screw Covers And Mounting Screws From High Mount Brake Light

Courtesy of AMERICAN HONDA MOTOR CO., INC.

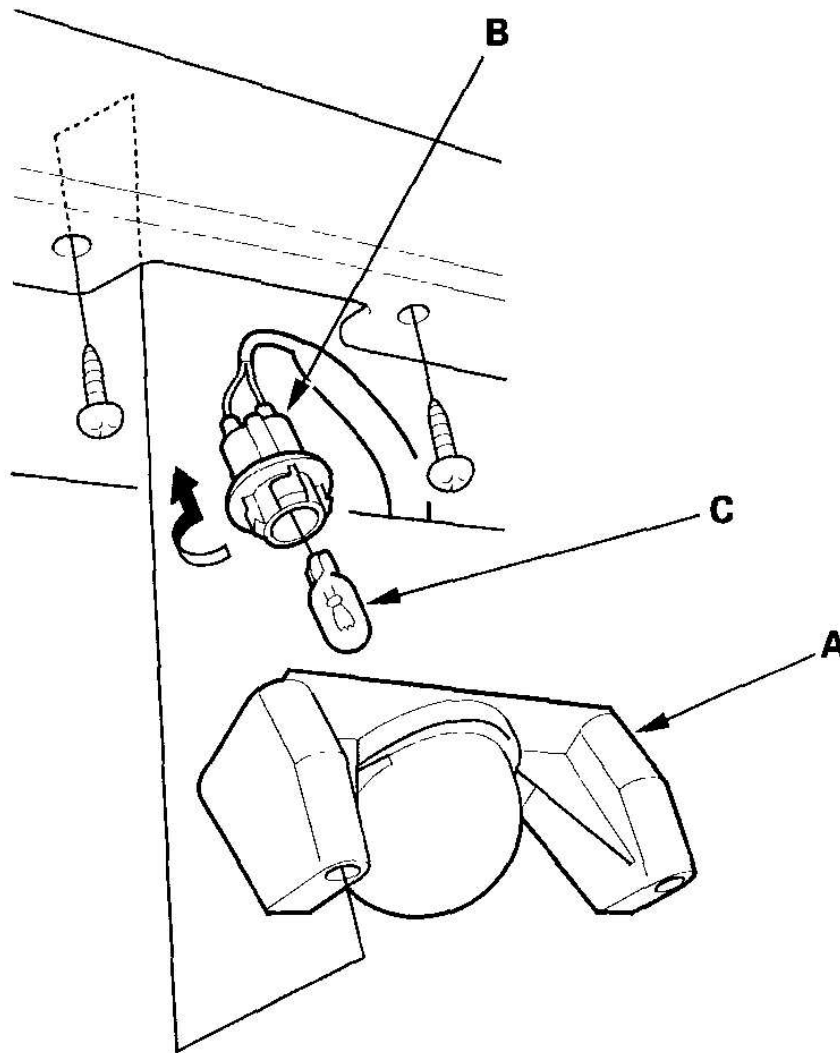
2. Disconnect the connectors (C), then remove the high mount brake light.

LICENSE PLATE LIGHT REPLACEMENT

Remove the two screws, and remove the license plate light (A).

LICENSE PLATE LIGHT: 5W

LICENSE PLATE LIGHT: 5 W



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Fig. 22: Removing License Plate Light
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Turn the bulb socket (B) 45° counterclockwise, remove it from the light, then replace the bulb (C).