

2007 Honda Element EX

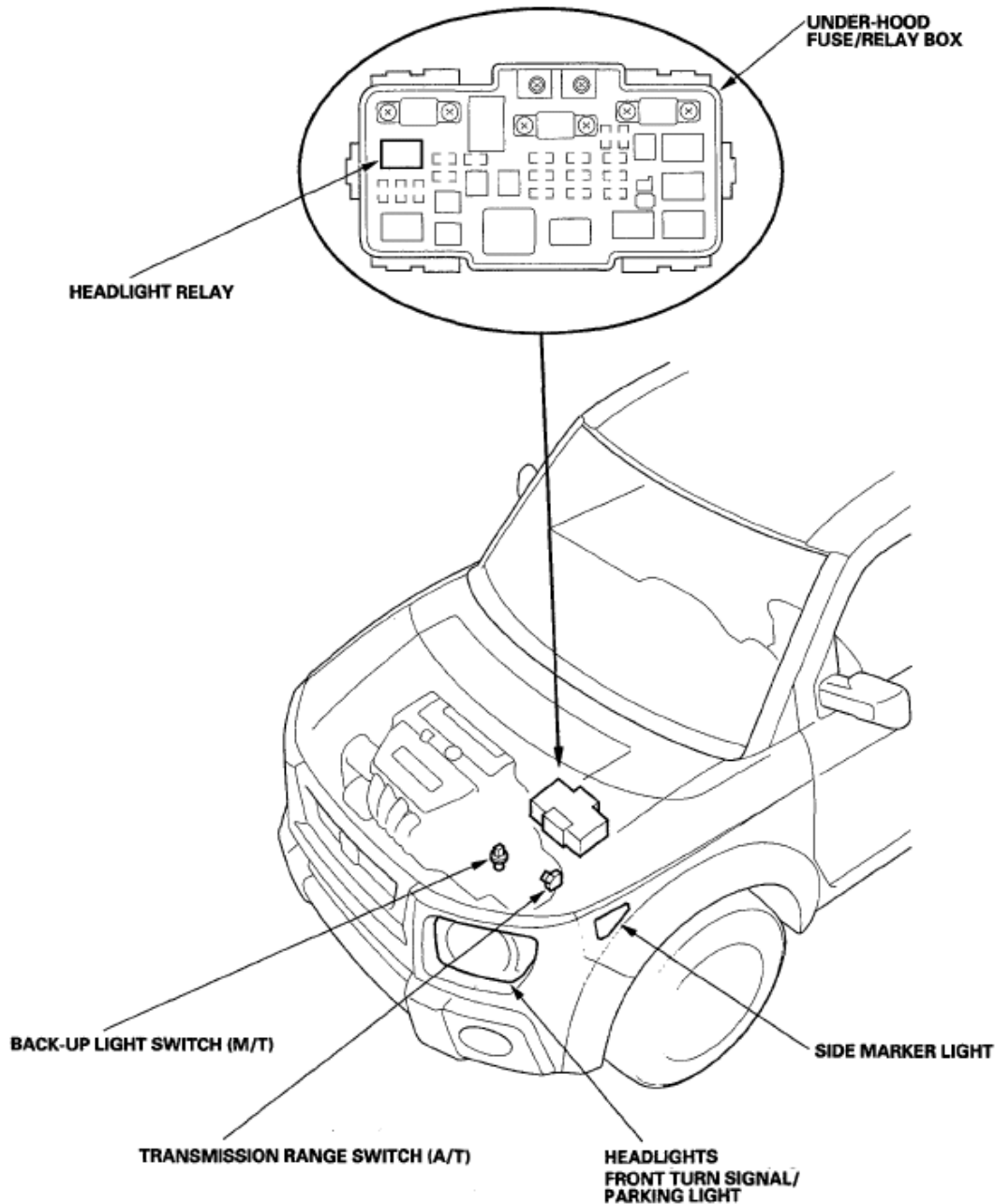
2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

2007-08 ACCESSORIES AND EQUIPMENT

Exterior Lights - Element

COMPONENT LOCATION INDEX

Except SC model



2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

Fig. 1: Identifying Exterior Lights Component Location (Except SC Model)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

SC model

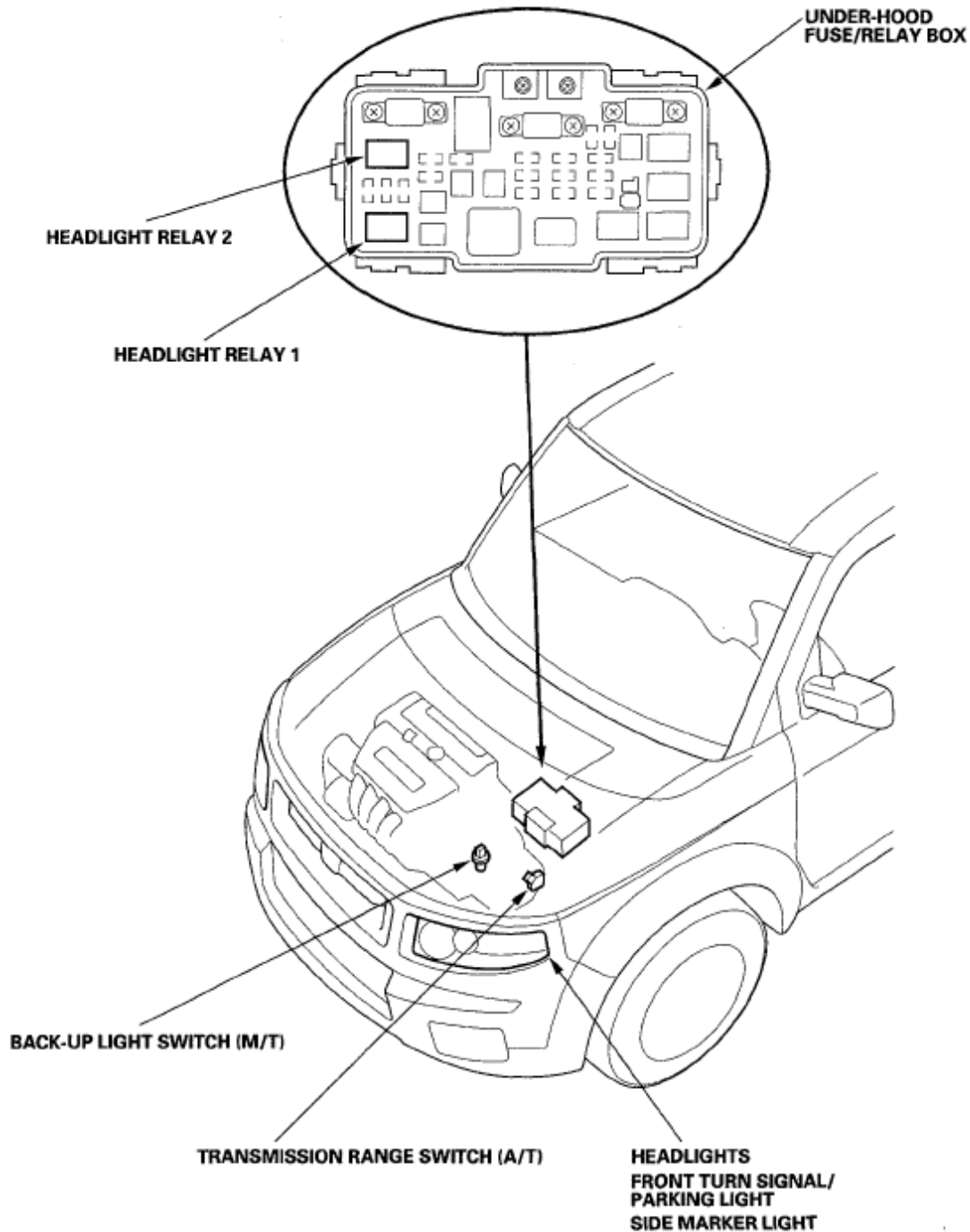


Fig. 2: Identifying Exterior Lights Component Location (SC Model) (1 Of 3)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

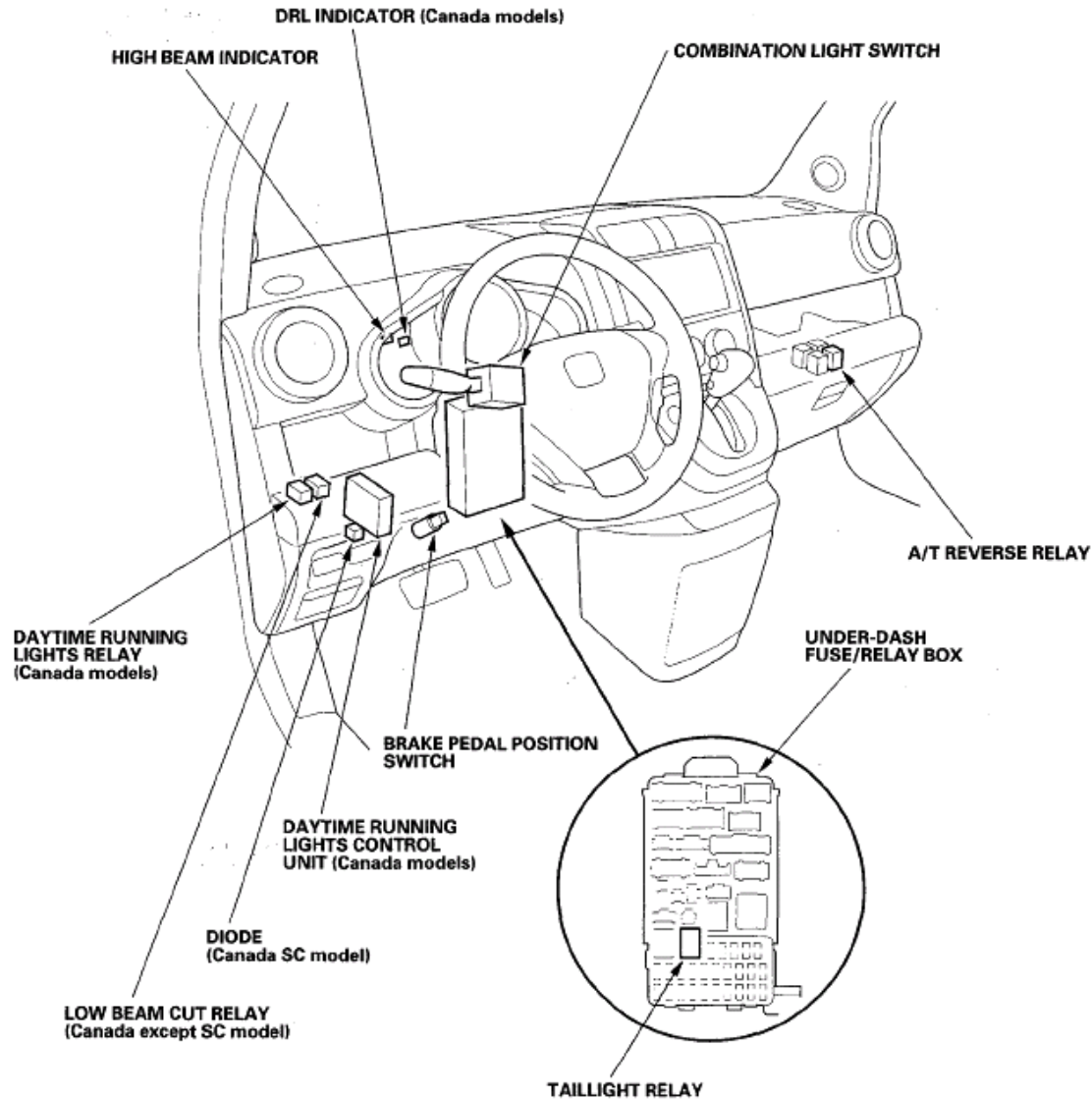


Fig. 3: Identifying Exterior Lights Component Location (SC Model) (2 Of 3)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

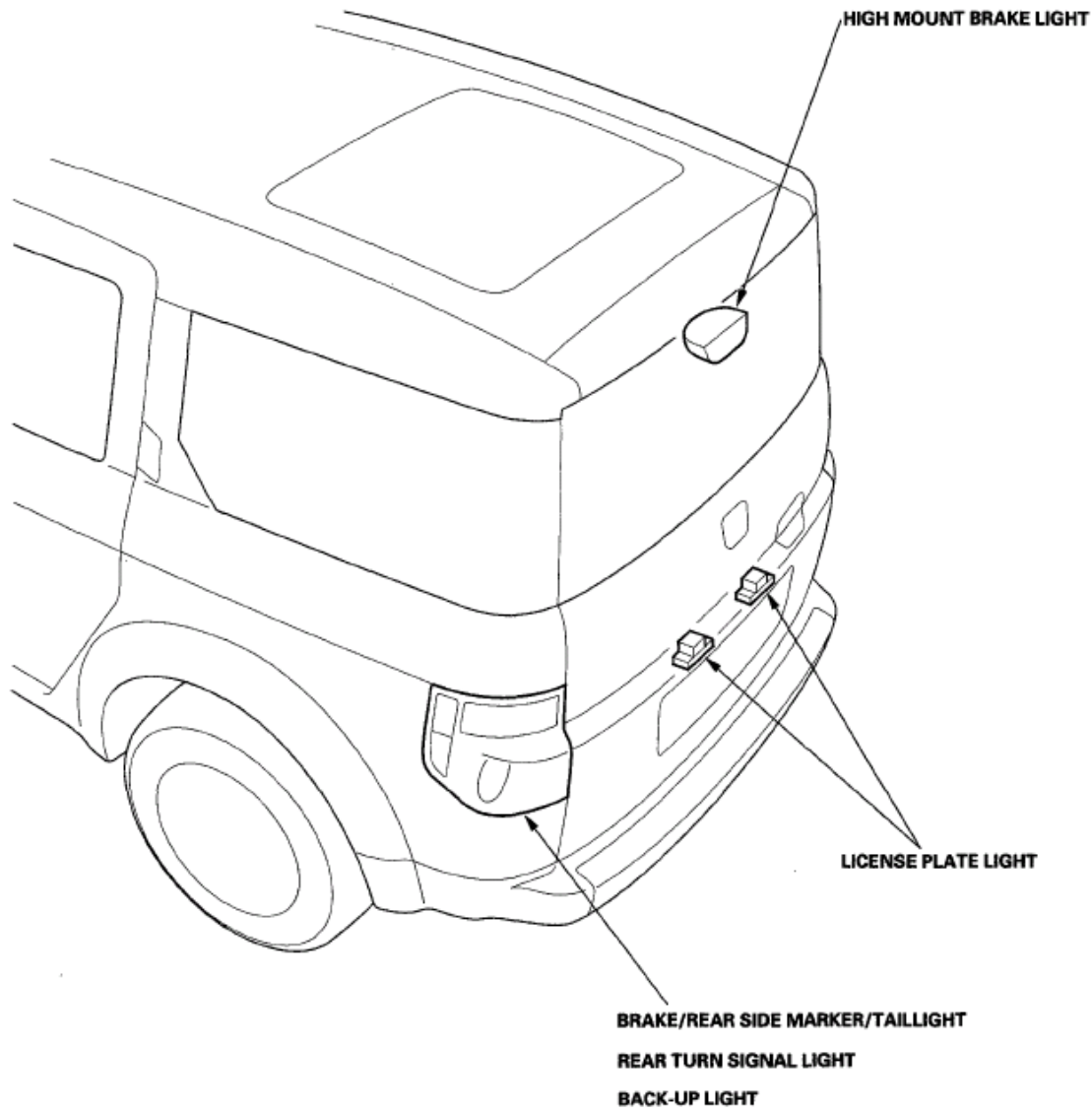


Fig. 4: Identifying Exterior Lights Component Location (SC Model) (3 Of 3)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM

Canada SC model

2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

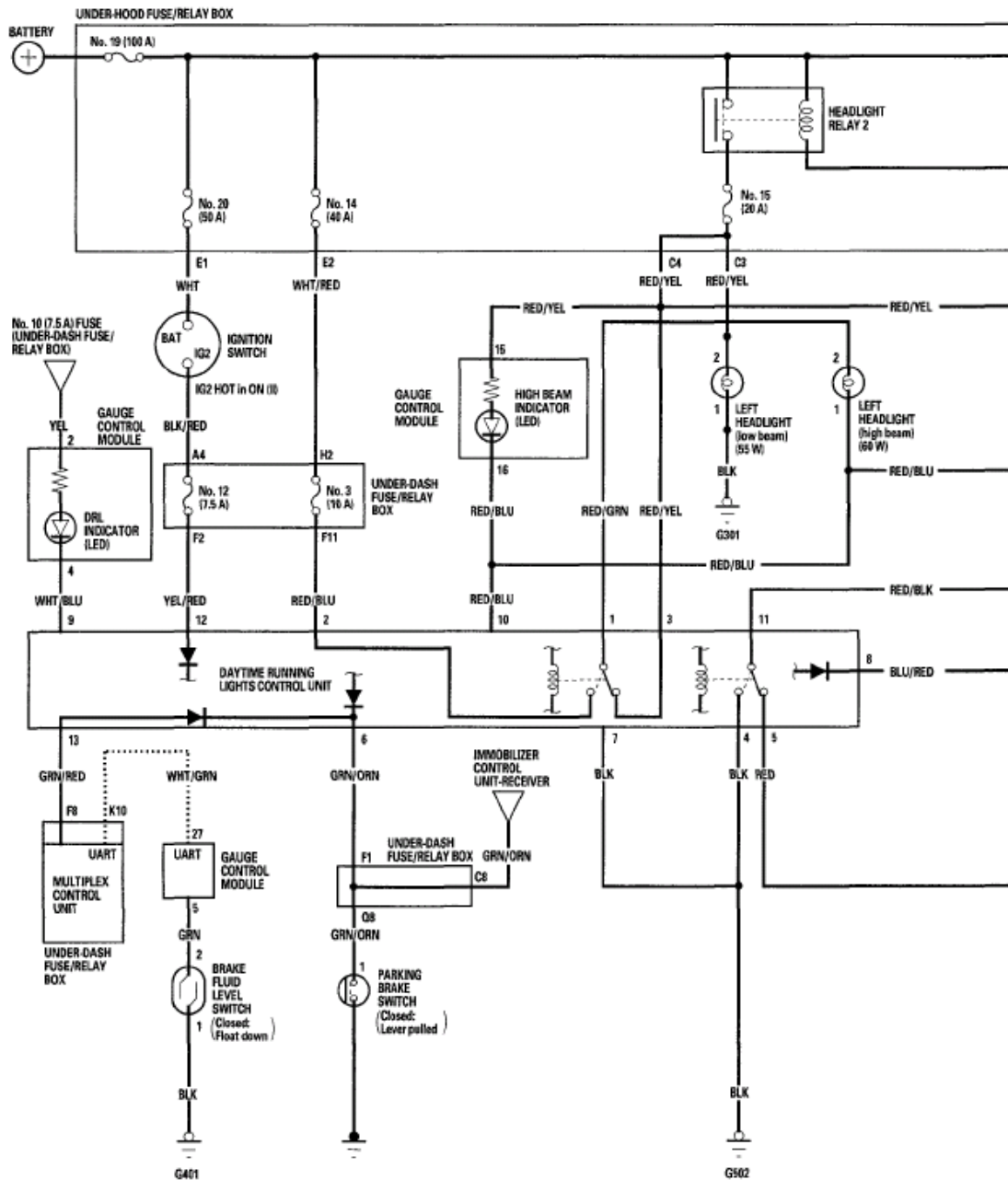


Fig. 5: Exterior Lights - Circuit Diagram (Canada SC Model) (1 Of 2)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

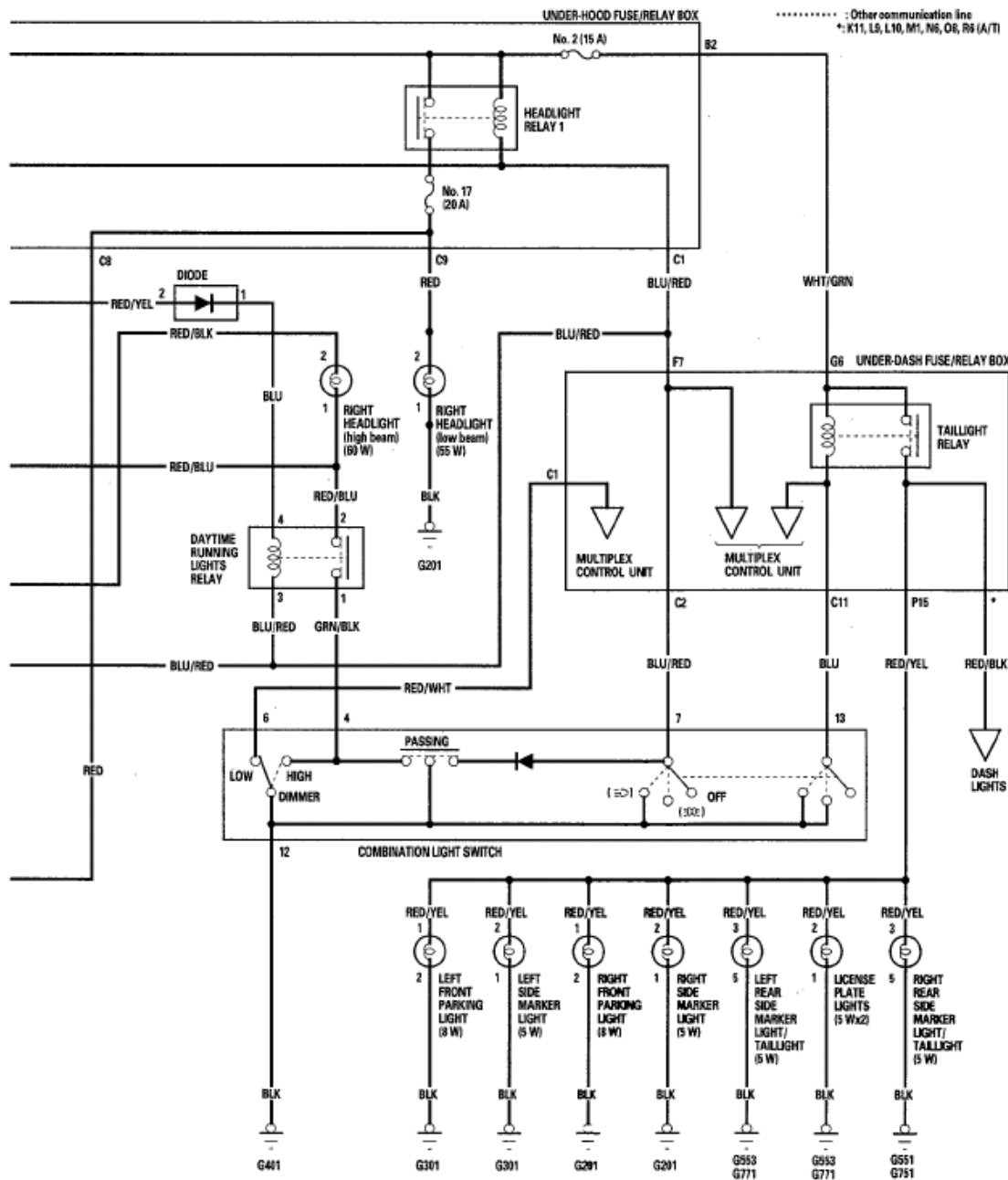


Fig. 6: Exterior Lights - Circuit Diagram (Canada SC Model) (2 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Canada except SC model

2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

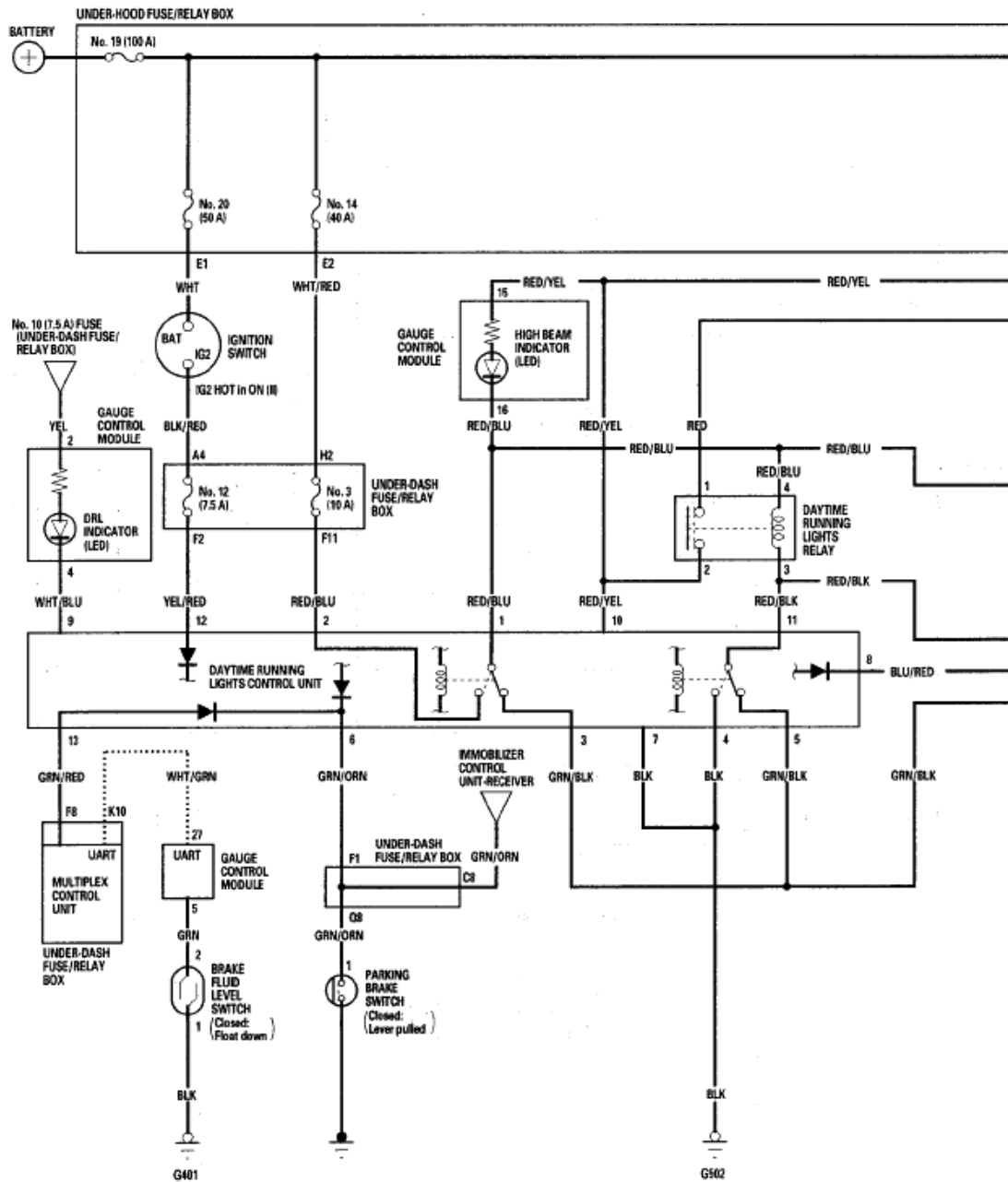


Fig. 7: Exterior Lights - Circuit Diagram (Canada Except SC Model) (1 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

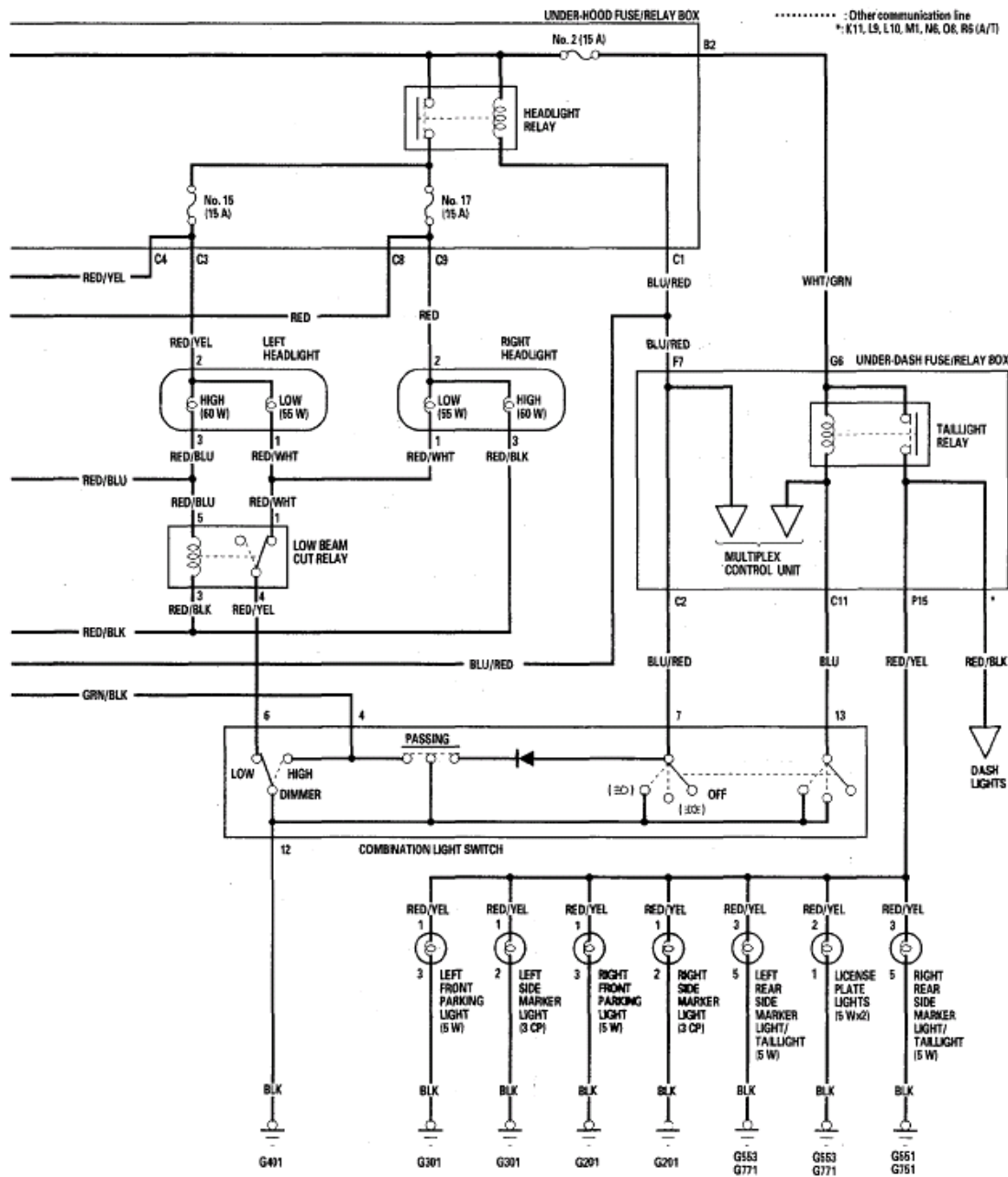


Fig. 8: Exterior Lights - Circuit Diagram (Canada Except SC Model) (2 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

USA SC model

2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

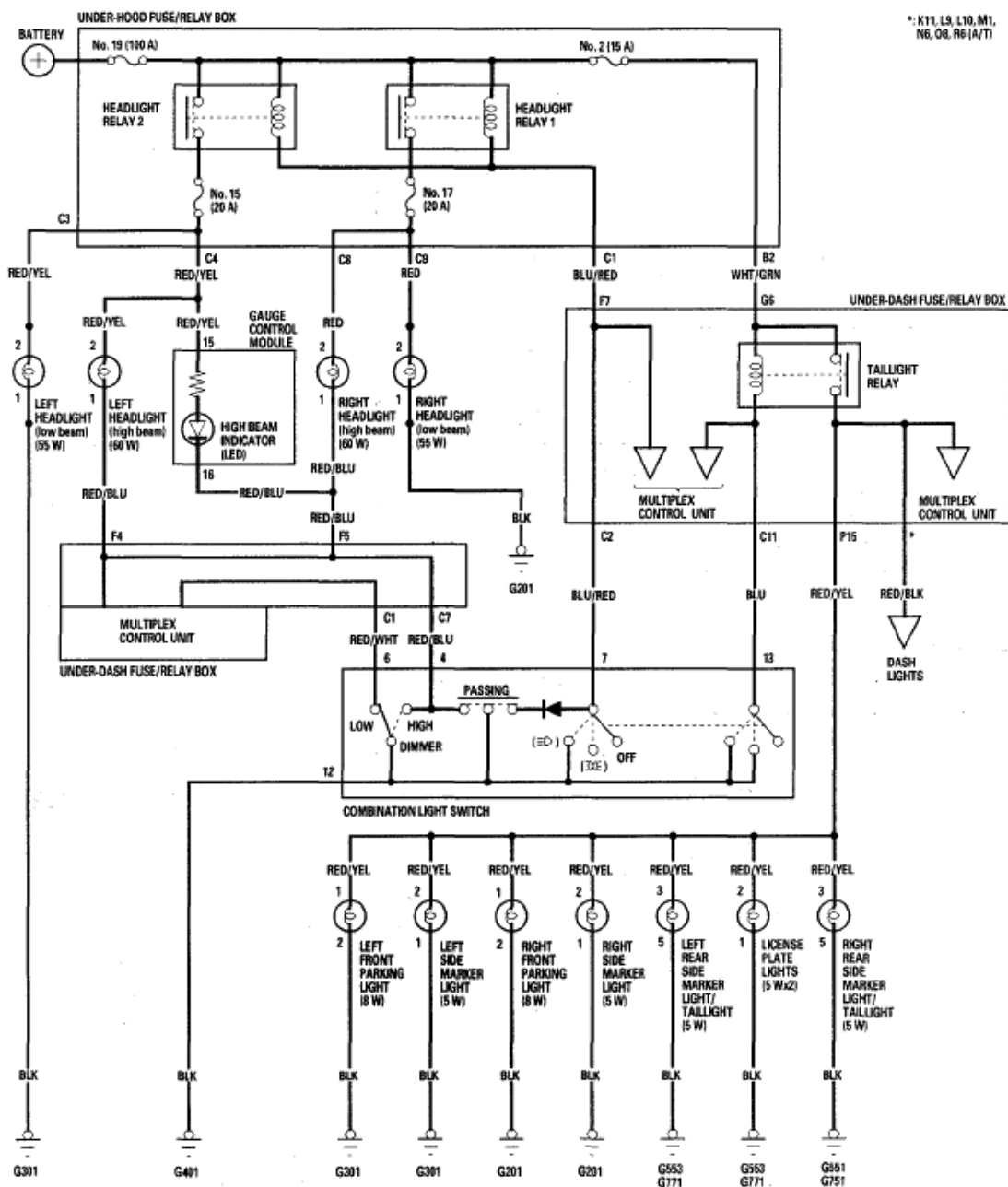


Fig. 9: Exterior Lights - Circuit Diagram (USA SC Model)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

USA except SC model

2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

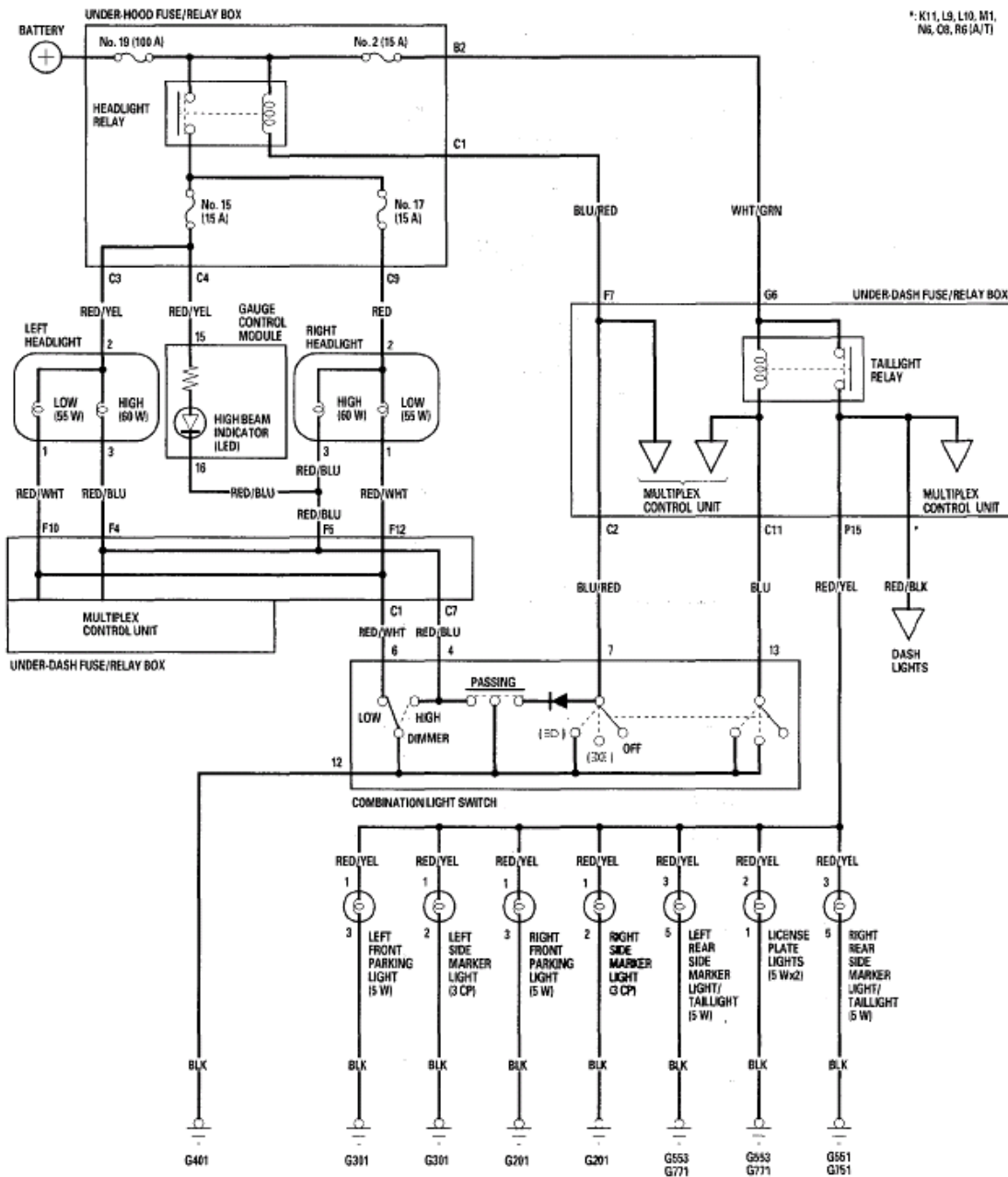


Fig. 10: Exterior Lights - Circuit Diagram (USA Except SC Model)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM - BRAKE LIGHTS

2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

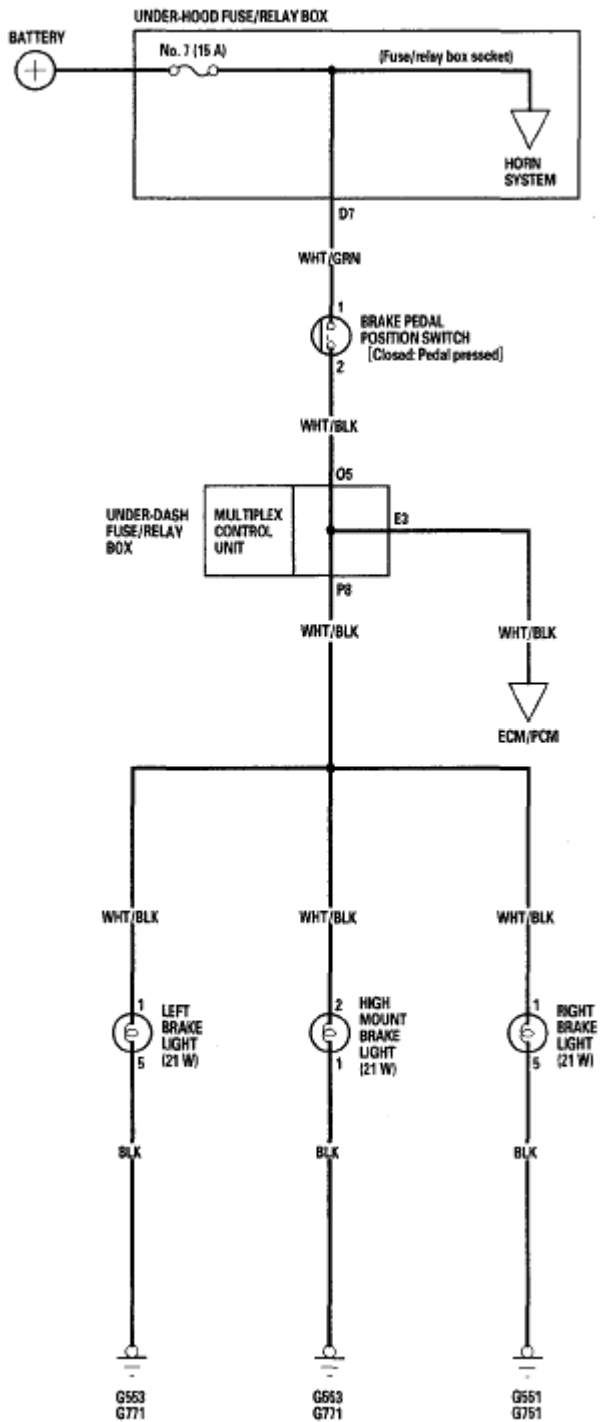


Fig. 11: Brake Lights - Circuit Diagram

Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM - BACK-UP LIGHTS

2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

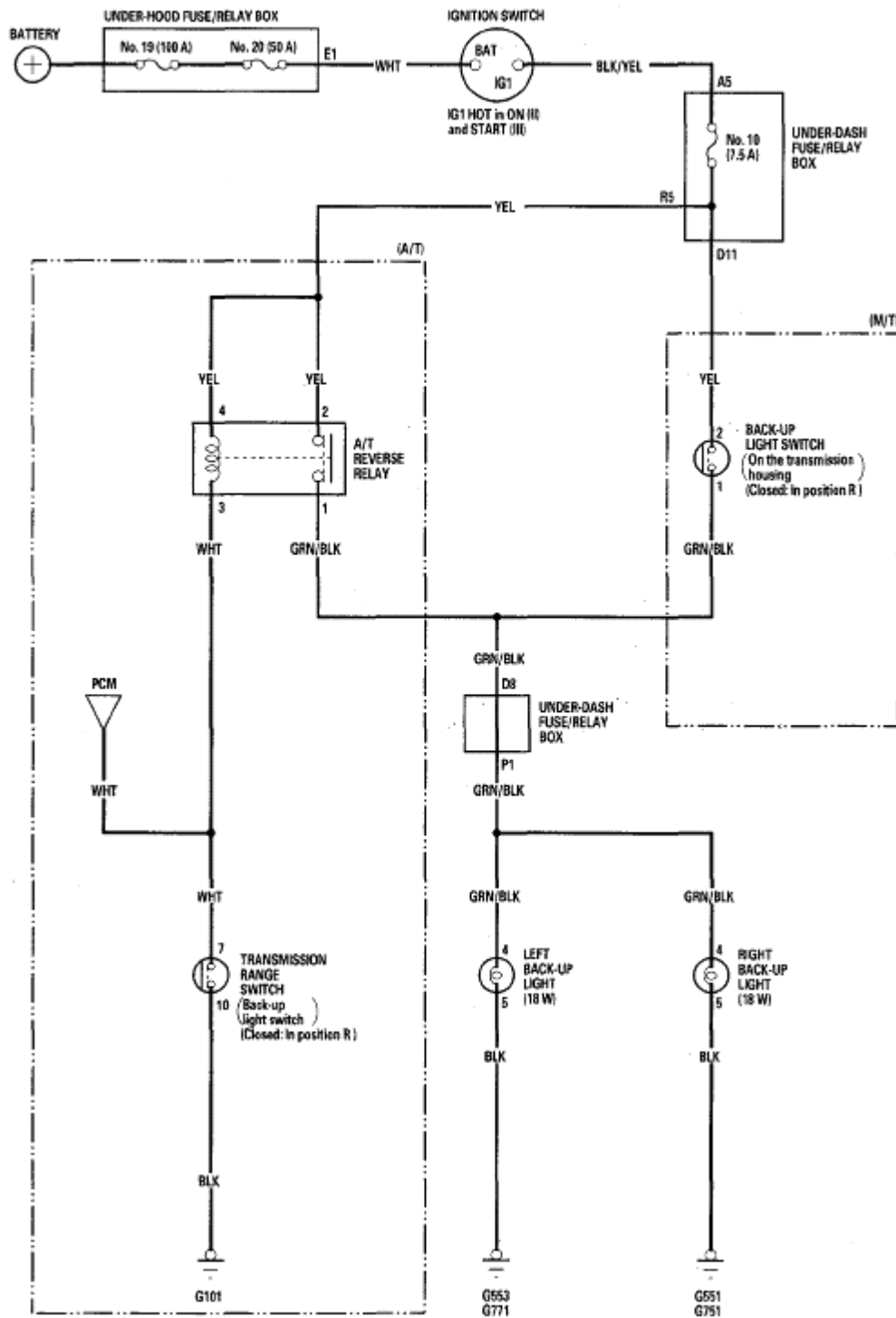


Fig. 12: Back-up Lights - Circuit Diagram

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

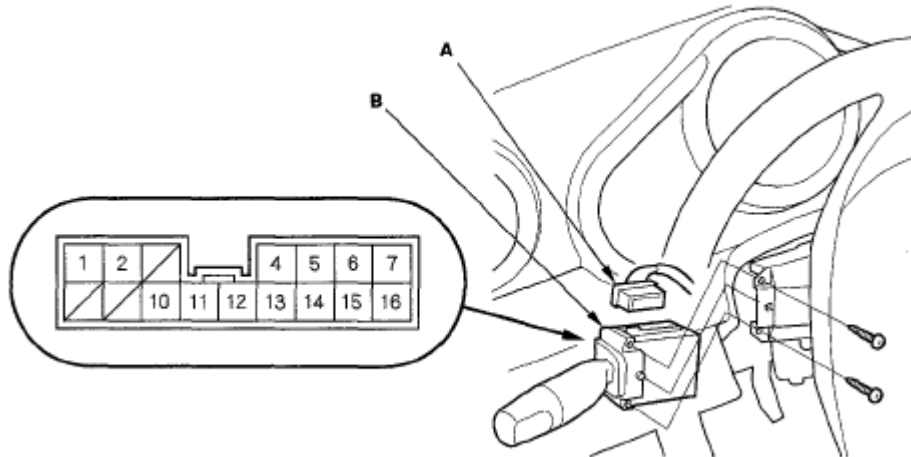


Fig. 13: Identifying Combination Light Switch Connector Terminals
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

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 **Fig. 14** and **Fig. 15**.
 - If the continuity is not as specified, replace the switch.

Light switch

		Terminal	4	6	7		12	13
Headlight switch	OFF			○			○	
	300E						○	○
	HD	LOW		○	○		○	○
		HIGH	○		○		○	○
Passing switch	OFF							
	ON		○		○	▶	○	○

Fig. 14: Light Switch Continuity Chart
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Turn signal switch

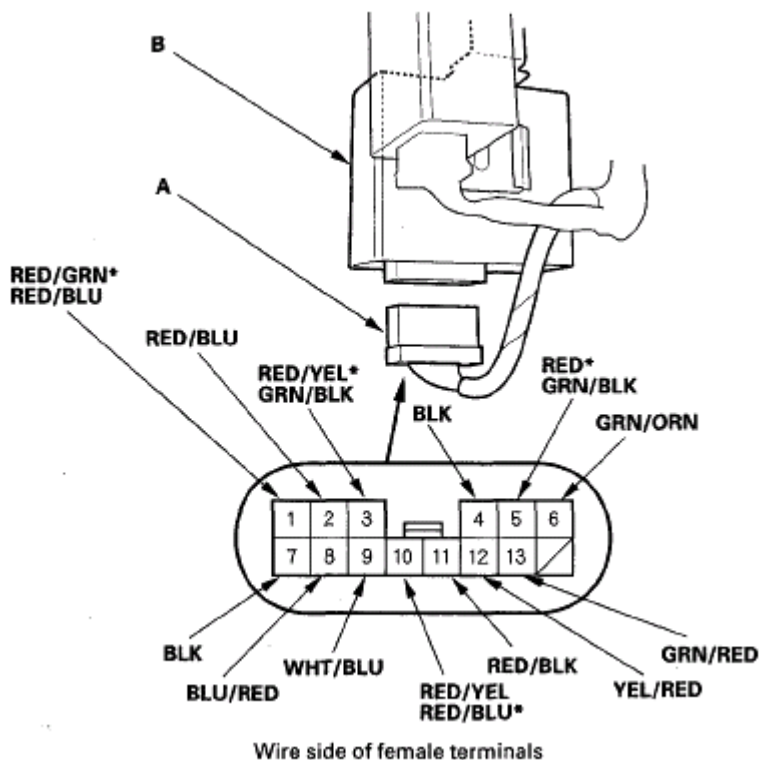
Terminal Position	2	10	11
LEFT	○ — ○		
Neutral			
RIGHT		○ — ○	

Fig. 15: Turn Signal Switch Continuity Chart
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

DAYTIME RUNNING LIGHTS CONTROL UNIT INPUT TEST

CANADA MODELS

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



lel

Fig. 16: Identifying Daytime Running Lights Control Unit Connector Terminals
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

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.
 - If the terminals look OK, go to step 4.
4. Connect the 14P connector (A) and test these inputs 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.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
2	RED/BLU	Under all conditions	Measure 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 (10 A) fuse in the under-dash fuse/relay box • An open in the wire
12	YEL/RED	Ignition switch ON (II)	Measure 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 conditions	Measure voltage to ground: There should be less than 0.5 V.	<ul style="list-style-type: none"> • Poor ground (G502) • An open in the wire
7	BLK	Under all conditions	Measure voltage to ground: There should be less than 0.5 V.	<ul style="list-style-type: none"> • Poor ground (G502) • An open in the wire
3 ^{*1} 5 ^{*1}	GRN/BLK	Combination 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
6	GRN/ORN	Parking brake lever pulled	Measure voltage to ground: There should be less than 0.5 V.	<ul style="list-style-type: none"> • Faulty parking brake switch • An open in the wire
8	BLU/RED	Under all conditions	Measure voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> • Faulty headlight relay^{*1} • Faulty headlight relay 1 and head light relay 2^{*2} • Faulty combination light switch • An open in the wire

* 1: Except SC model

* 2: SC model

G00468159

Fig. 17: Identifying Daytime Running Lights Control Unit Input Test Connected
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Disconnect the 14P connector (A) and test these inputs 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.

2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
10 ^{*1}	RED/YEL	Combination light switch ON (☺),	Measure voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 15 (15 A) fuse in the under-hood fuse/relay box • Faulty headlight relay • Faulty combination light switch • An open in the wire
1 ^{*1}	RED/BLU	Combination light switch ON (☺), and dimmer switch in HIGH	Connect a jumper wire between No. 3 and No. 1 terminals: Left headlight (HIGH) and high beam indicator light should come on.	<ul style="list-style-type: none"> • Blown left headlight bulb • Faulty headlight relay • Faulty combination light switch • Poor ground (G401) • An open in the wire
11 ^{*1}	RED/BLK	Combination 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 right headlight bulb • Faulty headlight relay • Faulty combination light switch • Poor ground (G401) • An open in the wire
10 ^{*2}	RED/BLU	Combination light switch ON (☺)	Connect a jumper wire between No. 10 terminal and ground: High beam indicator light should come on.	<ul style="list-style-type: none"> • Blown No. 15 (15 A) fuse in the under-hood fuse/relay box • Faulty headlight relay 2 • Faulty combination light switch • Faulty LED • Poor ground (G401) • An open in the wire
1 ^{*2}	RED/GRN	Under all conditions	Connect a jumper wire between No. 2 and No. 1 terminals and No. 11 and No. 4 terminals: Headlight (HIGH) should come on.	<ul style="list-style-type: none"> • Blown No. 14 (40 A) fuse in the under-hood fuse/relay box • Blown No. 3 (10 A) fuse in the under-dash fuse/relay box • Blown headlight high beam bulb • Poor ground (G502) • An open in the wire
11 ^{*2}	RED/BLK			
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/RED	Disconnect under-dash fuse/relay box connector F (12P)	Check for continuity between the No. 13 terminal and under-dash fuse/relay box connector F (12P) No. 7 terminal: There should be continuity.	An open in the wire
			Check for continuity between the No. 13 terminal to ground: There should be no continuity.	A short to ground in the wire
3 ^{*2}	RED/YEL	Combination light switch ON (☺)	Measure voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 15 (15 A) fuse in the under-hood fuse/relay box • Faulty headlight relay 2 • Faulty combination light switch • Poor ground (G401) • An open in the wire
5 ^{*2}	RED	Combination light switch ON (☺)	Measure voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 17 (15 A) fuse in the under-hood fuse/relay box • Faulty headlight relay 1 • Faulty combination light switch • Poor ground (G401) • An open in the wire

* 1: Except SC model

* 2: SC model

G00468160

Fig. 18: Identifying Daytime Running Lights Control Unit Input Test Disconnected
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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.

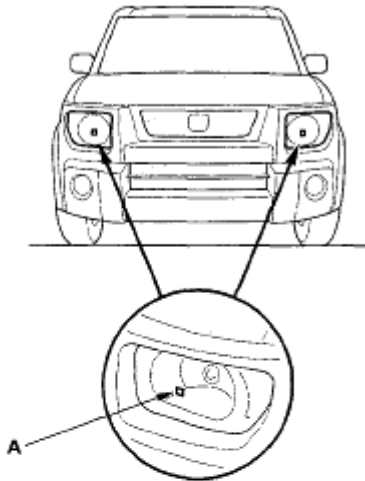
2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

- 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 headlight (A).

Except SC model



SC model

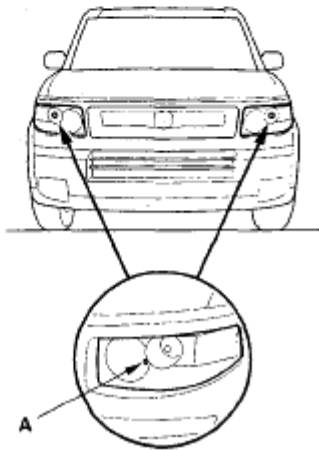


Fig. 19: Identifying Center Of Headlights
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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

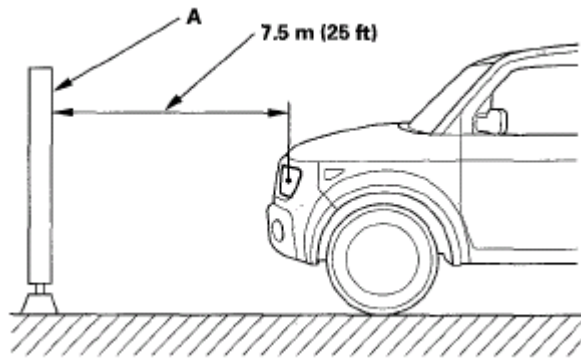


Fig. 20: Parking Vehicle Away From Wall Or Screen
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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.

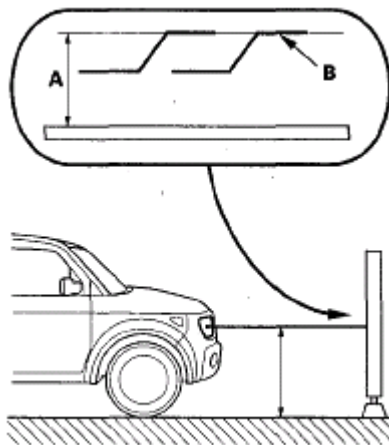
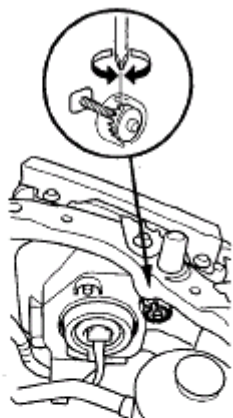


Fig. 21: Measuring Height Of Headlights
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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

Except SC model



SC model



Fig. 22: Adjusting Headlights

Courtesy of AMERICAN HONDA MOTOR CO., INC.

HEADLIGHT REPLACEMENT

EXCEPT SC MODEL

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

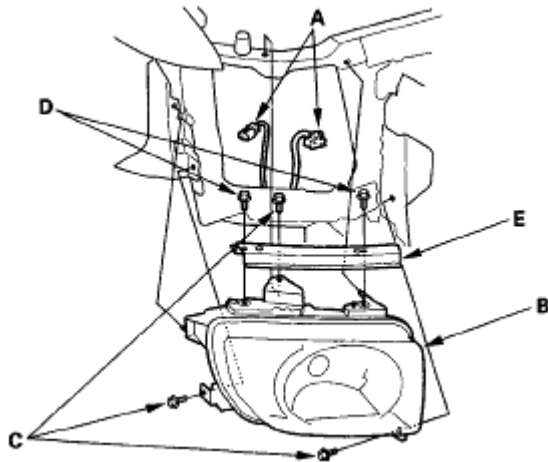


Fig. 23: Identifying Headlight Connectors (Except SC Model)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

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

SC MODEL

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

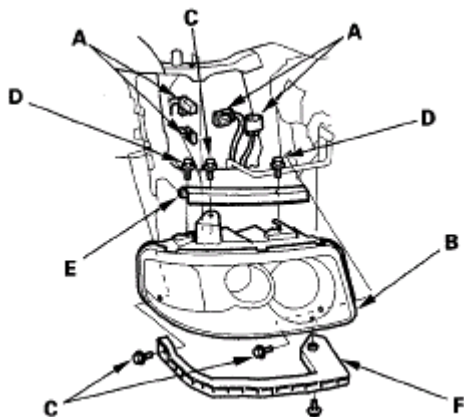


Fig. 24: Identifying Headlight Connectors (SC Model)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the three mounting bolts (C) and headlight assembly.
4. Remove the two bolts (D) and bumper upper beam (E).
5. Remove the bolt and corner upper beam (F).

6. Install in the reverse order of removal.
7. After replacement, adjust the headlights (see HEADLIGHT ADJUSTMENT).

SIDE MARKER LIGHT REPLACEMENT

EXCEPT SC MODEL

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: 3 CP

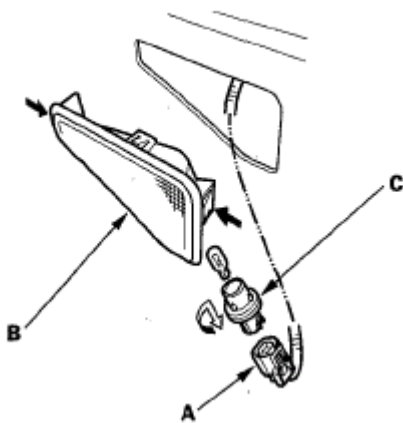


Fig. 25: Disconnecting 2P Connector From Side Marker Light
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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 (EXCEPT SC MODEL)

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

Headlight (high/low): 60/55 W

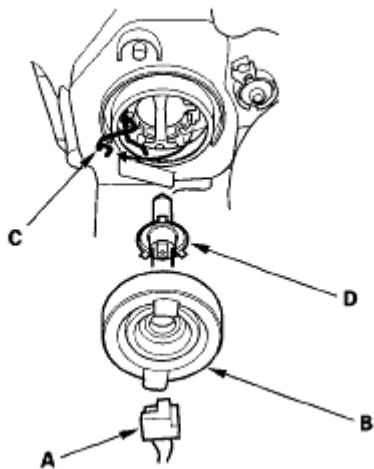


Fig. 26: Identifying 3P Connector From Headlight
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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.

HEADLIGHT (SC MODEL)

1. Disconnect the 2P connector (A) from the headlight.

Headlight (high beam): 60 W

Headlight (low beam): 55 W

High beam



Low beam



Fig. 27: Identifying 2P Connector From Headlight (SC Model)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Turn the bulb socket 45° counterclockwise to remove the bulb.
3. Install a new bulb in the reverse order of removal.

FRONT TURN SIGNAL/PARKING LIGHT

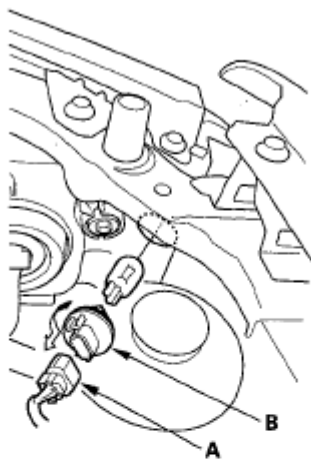
1. Disconnect the connector (A) from the light.

Front Turn Signal/Parking Light:

21/5 W (Except SC model)

28/8 W(SC model)

Except SC model



SC model

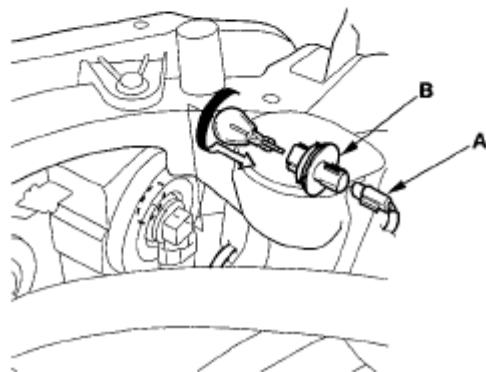


Fig. 28: Identifying Front Turn Signal/Parking Light Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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.

FRONT SIDE MARKER LIGHT (SC MODEL)

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

Front Side Marker Light: 5 W

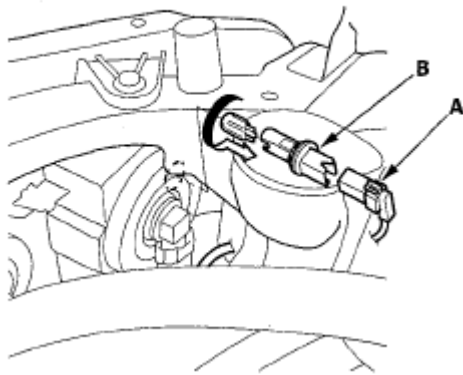


Fig. 29: Identifying Front Side Marker Light Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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/Rear side marker/Taillight: 21/5 W

Back-up Light: 18 W

Rear Turn Signal Light: 21 W

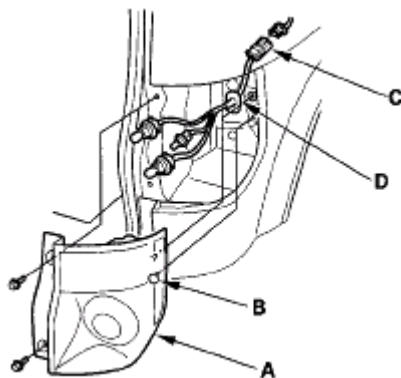


Fig. 30: Identifying Taillight Mounting Bolts
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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: 21 W

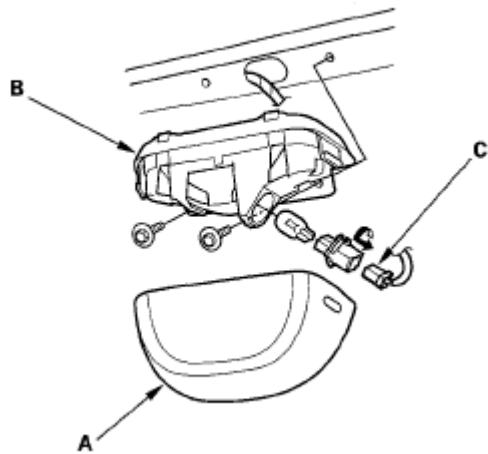


Fig. 31: Identifying Housing Cover Clips
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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 Light: 5 W

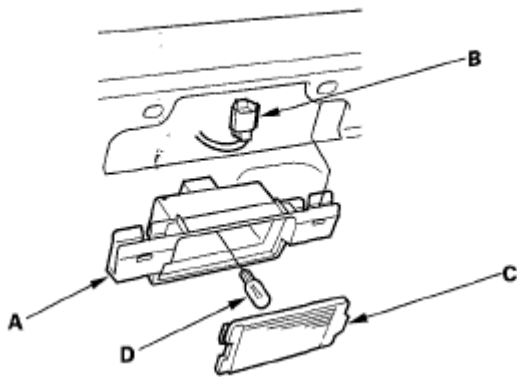


Fig. 32: Identifying License Plate Light

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).

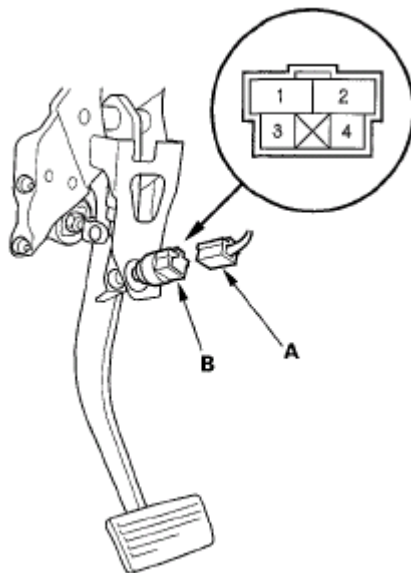


Fig. 33: Identifying 4P Connector Of Brake Pedal Position Switch

Courtesy of AMERICAN HONDA MOTOR CO., INC.

2007 Honda Element EX

2007-08 ACCESSORIES AND EQUIPMENT Exterior Lights - Element

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.
4. Check for continuity between the No. 3 and No. 4 terminals.
 - 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 **BRAKE PEDAL AND BRAKE PEDAL POSITION SWITCH ADJUSTMENT**), or replace the switch.