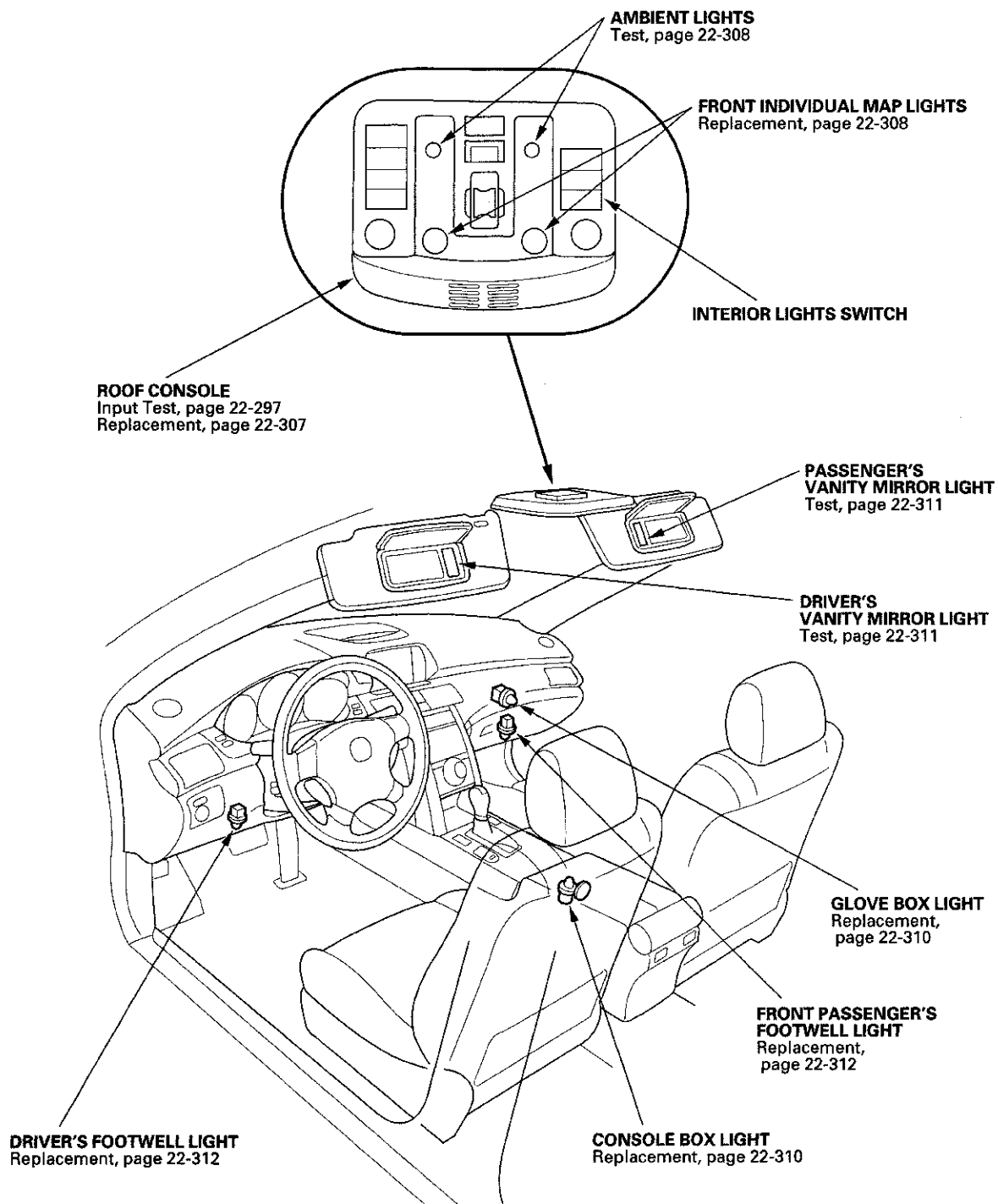


Interior Lights



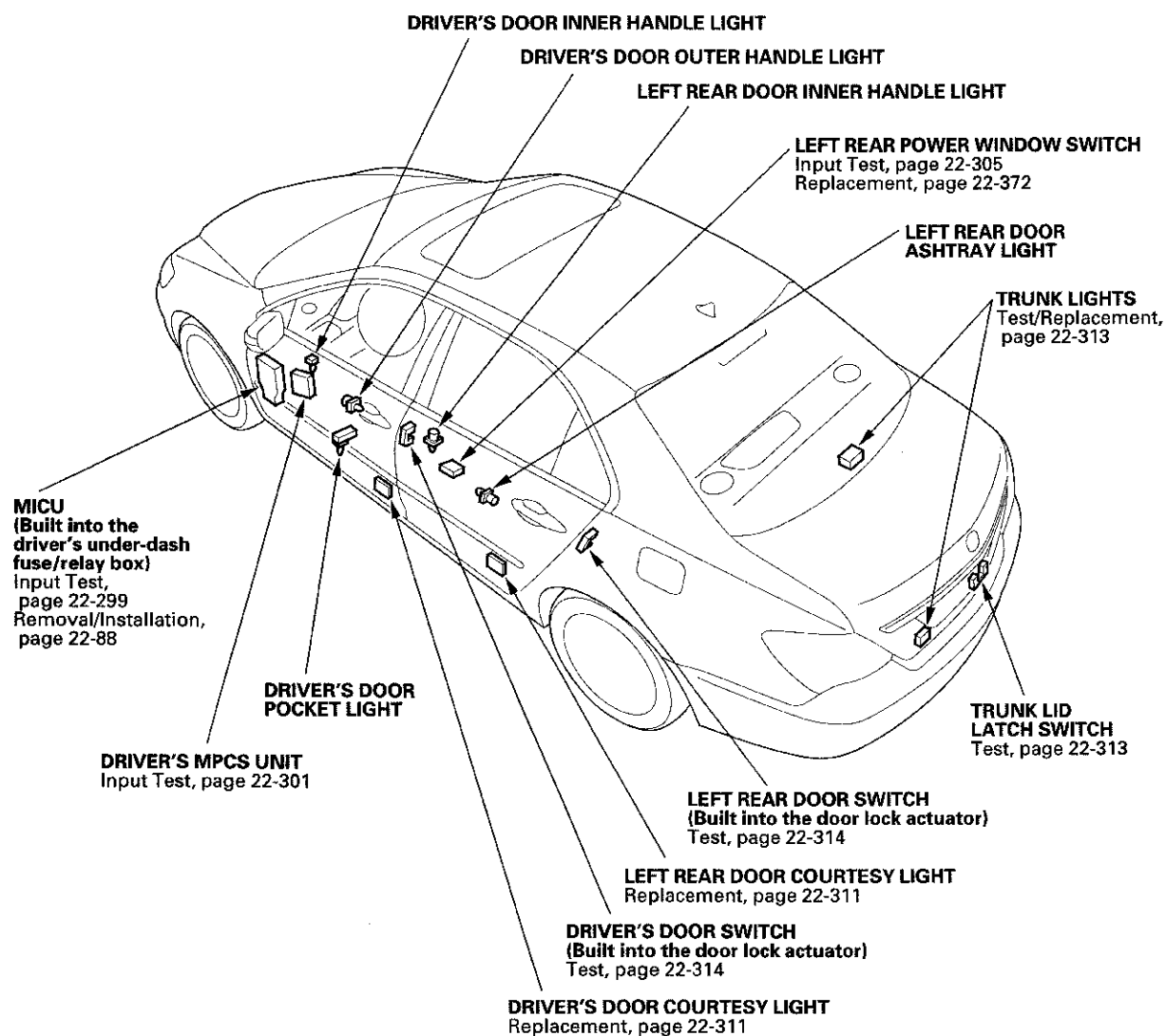
Component Location Index

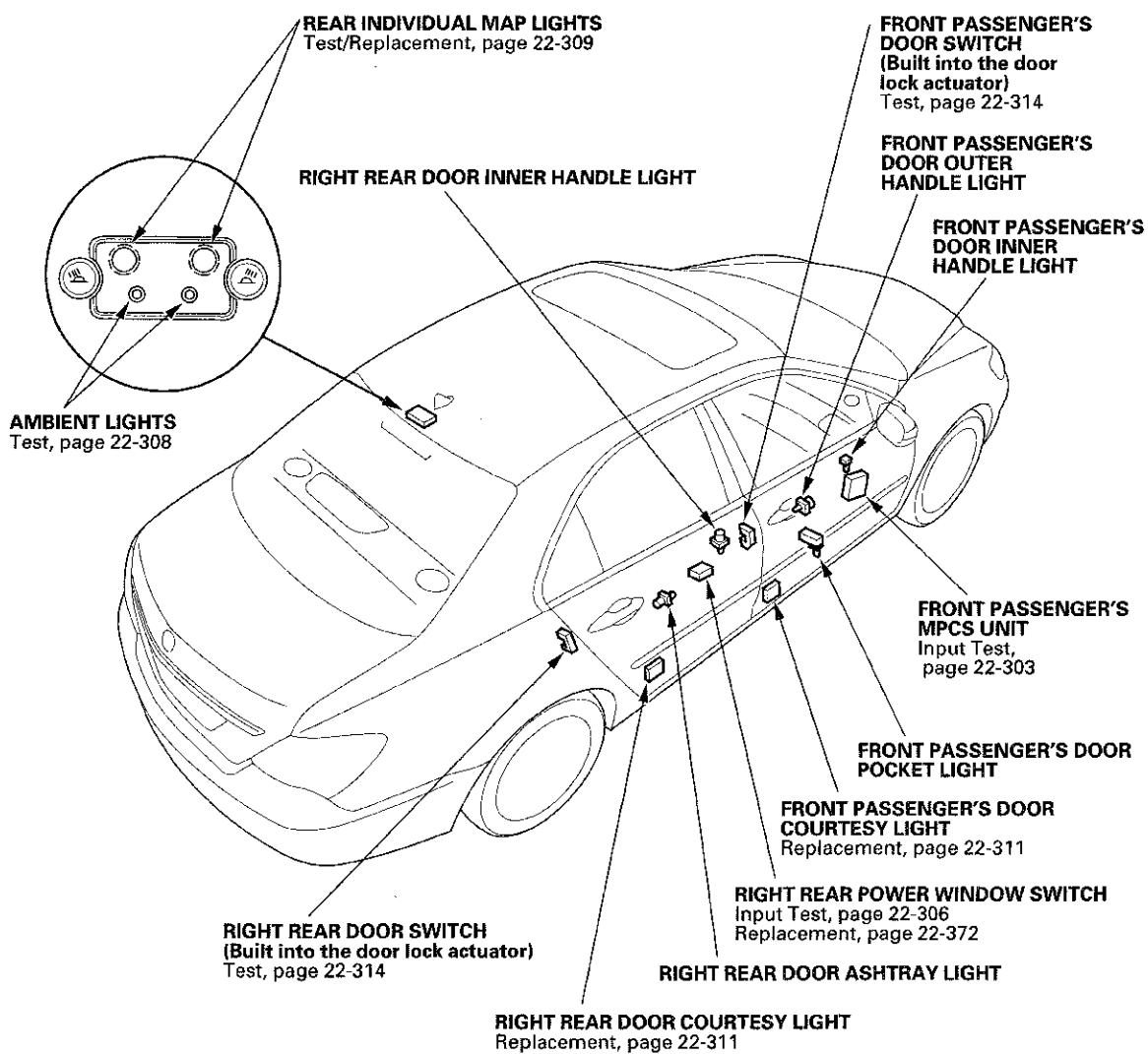


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Interior Lights

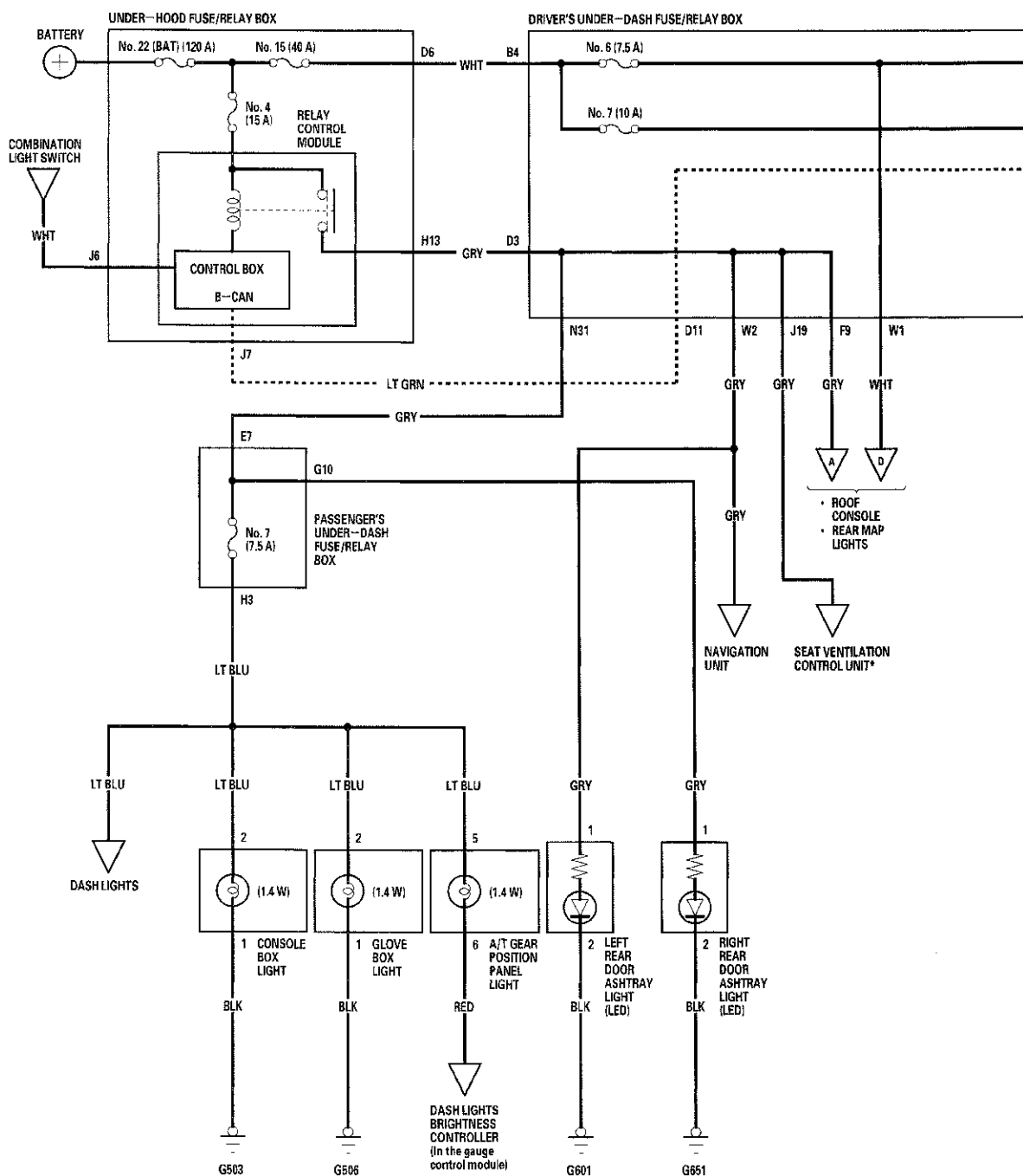
Component Location Index (cont'd)

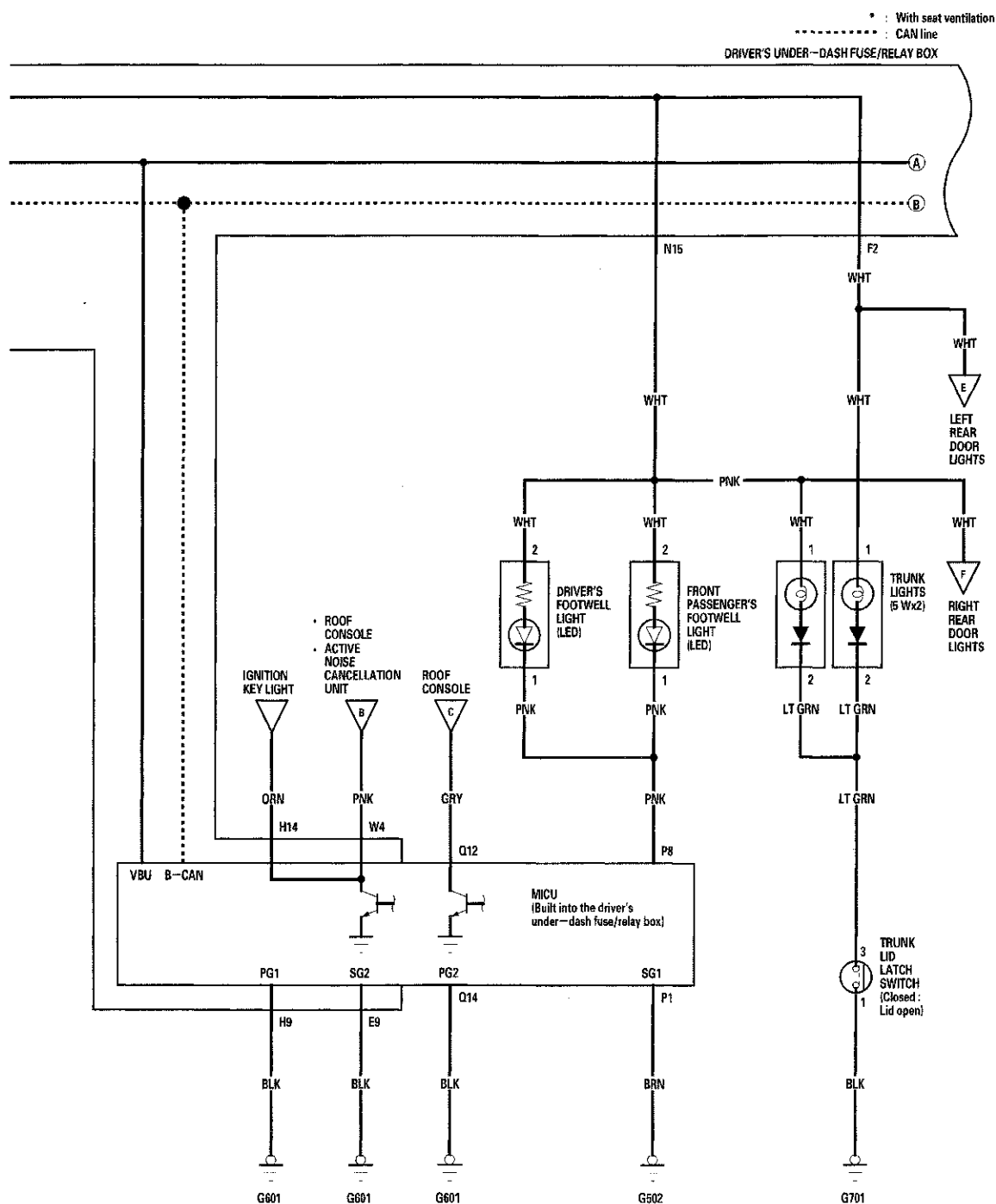




Interior Lights

Circuit Diagram

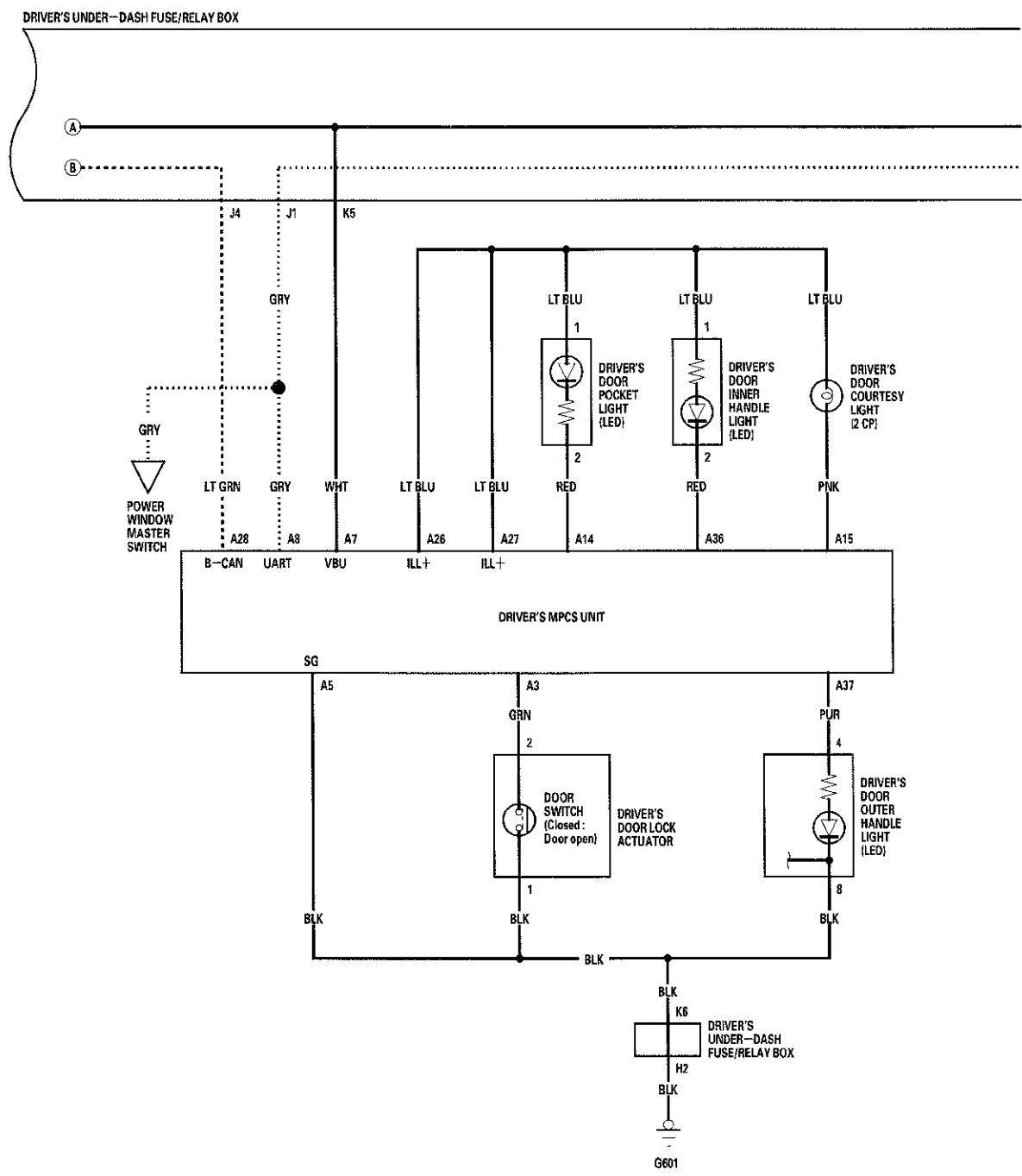




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Interior Lights

Circuit Diagram (cont'd)



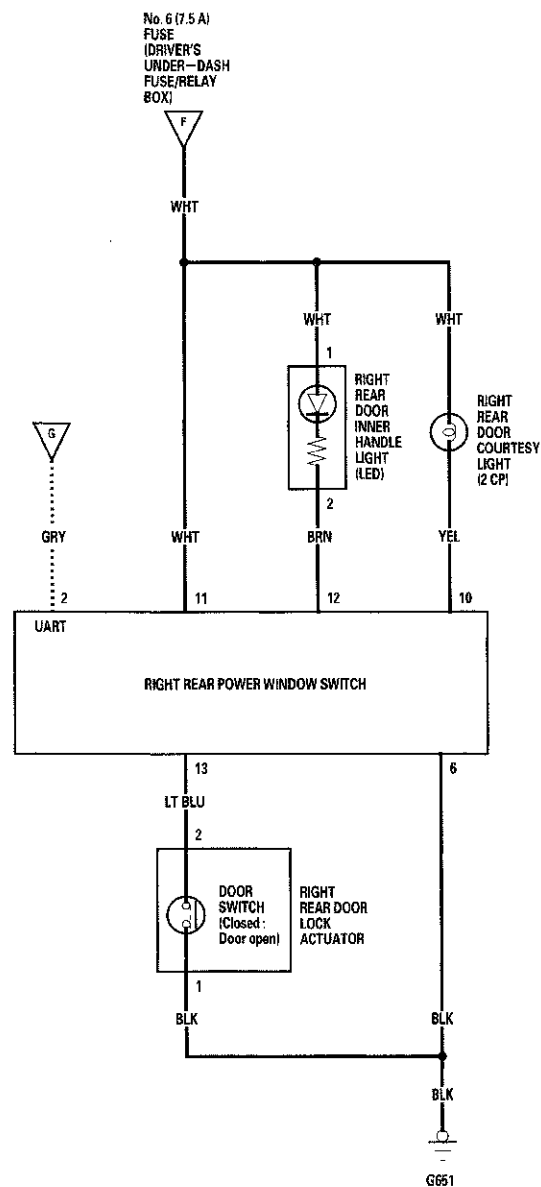
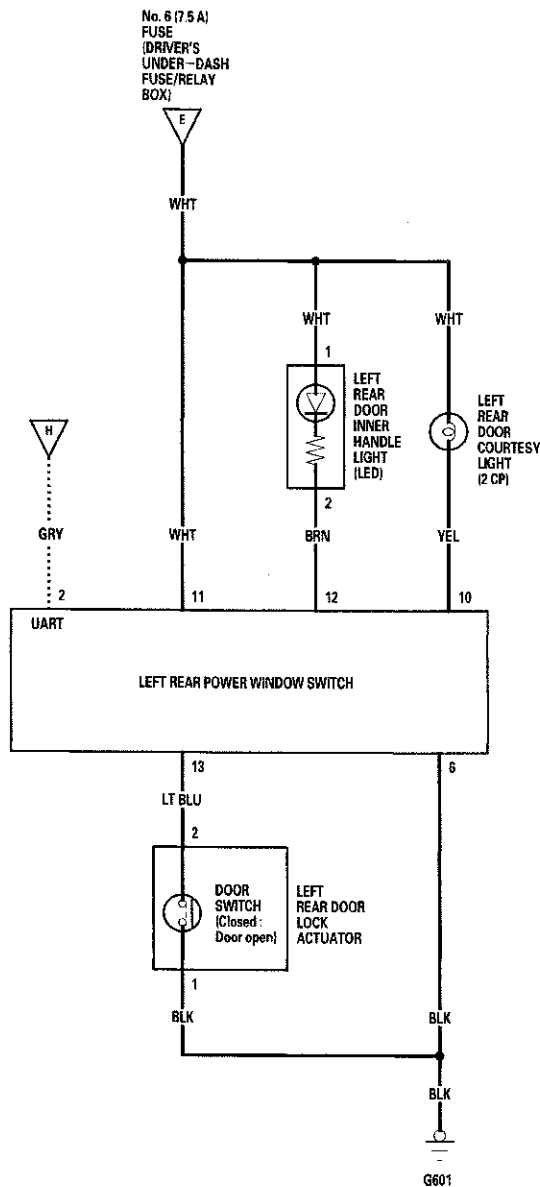
cardiagn.com



Interior Lights

Circuit Diagram (cont'd)

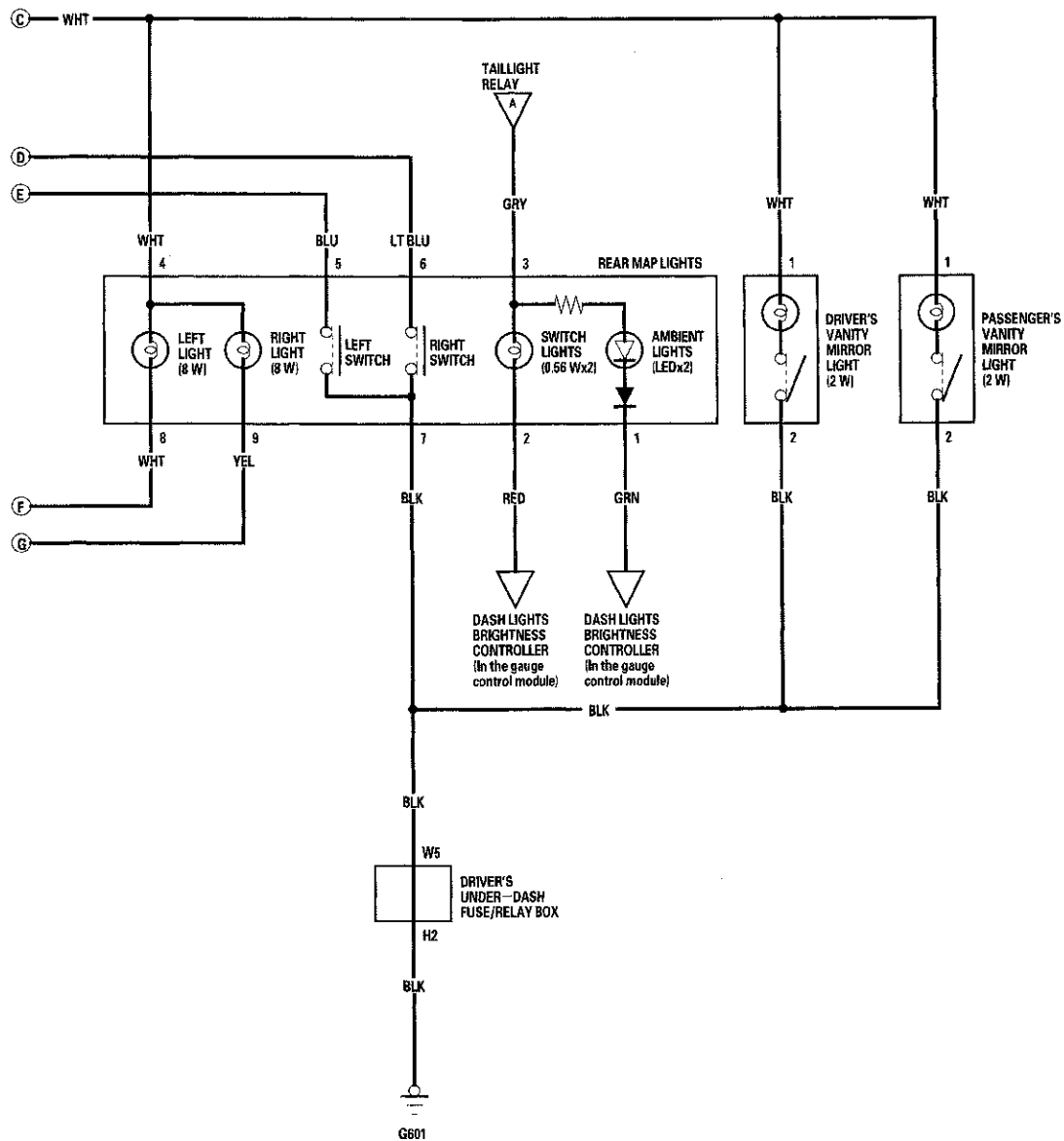
..... : Other communication line





Interior Lights

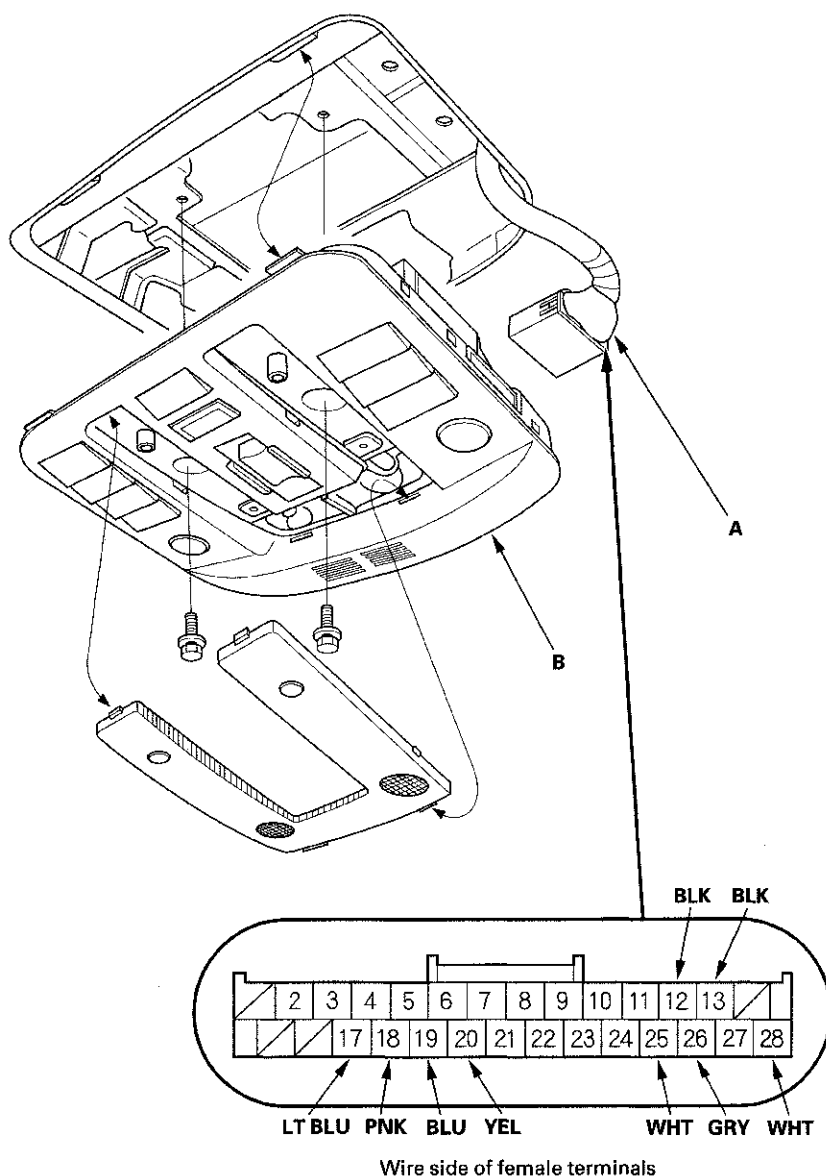
Circuit Diagram (cont'd)





Roof Console Input Test

1. Turn the ignition switch to LOCK (0).
2. Remove the roof console (see page 22-307).
3. Disconnect the 28P connector (A) from the roof console (B).



4. 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 5.

(cont'd)

Interior Lights

Roof Console Input Test (cont'd)

5. With the connector still disconnected, do these input tests at the following 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 6.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
18	PNK	Under all conditions	Check for continuity between terminal No. 18 and driver's under-dash fuse/relay box connector W (5P) terminal No. 4: There should be continuity.	An open in the wire
26	GRY	Under all conditions	Check for continuity between terminal No. 26 and driver's under-dash fuse/relay box connector Q (14P) terminal No. 12: There should be continuity.	An open in the wire
20	YEL	Under all conditions	Attach to ground: The right rear map light should come on.	• Blown No. 6 (7.5 A) fuse in the driver's under-dash fuse/relay box • Faulty rear map light • Blown bulb • An open in the wire
25	WHT	Under all conditions	Attach to ground: The left rear map light should come on.	• Blown No. 6 (7.5 A) fuse in the driver's under-dash fuse/relay box • Faulty rear map light • Blown bulb • An open in the wire

6. Reconnect the connector to the roof console, and do these input tests at the following connector.

- If any test indicates a problem, find and correct the cause, then recheck the system.
- If all the input tests prove OK, replace the roof console (see page 22-307).

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
12	BLK	Under all conditions	Measure the voltage to ground: There should be less than 0.2 V.	• Poor ground (G601) • An open in the wire
13	BLK	Under all conditions	Measure the voltage to ground: There should be less than 0.2 V.	• Poor ground (G601) • An open in the wire
28	WHT	Under all conditions	Measure the voltage to ground: There should be battery voltage.	• Blown No. 6 (7.5 A) fuse in the driver's under-dash fuse/relay box • An open in the wire
17	LT BLU	Right rear map light switch ON	Measure the voltage to ground: There should be less than 0.2 V.	• Poor ground (G601) • Faulty rear map light • An open in the wire
		Right rear map light switch OFF	Measure the voltage to ground: There should be at least 5 V.	• Faulty rear map light • A short to ground in the wire
19	BLU	Left rear map light switch ON	Measure the voltage to ground: There should be less than 0.2 V.	• Poor ground (G601) • Faulty rear map light • An open in the wire
		Left rear map light switch OFF	Measure the voltage to ground: There should be at least 5 V.	• Faulty rear map light • A short to ground in the wire

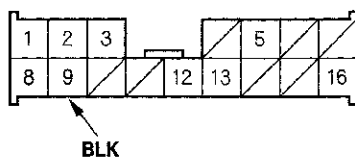


MICU Input Test

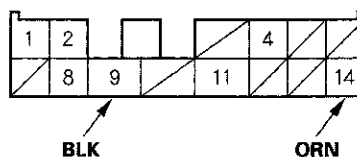
1. Turn the ignition switch to LOCK (0).
2. Remove the left kick panel (see page 20-67).
3. Disconnect driver's under-dash fuse/relay box connectors E, H, P, Q, and W.

NOTE: All connector views are wire side of female terminals.

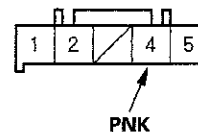
CONNECTOR E (16P)



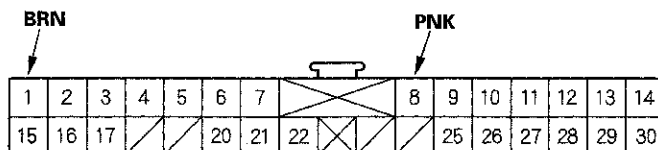
CONNECTOR H (14P)



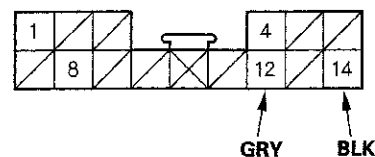
CONNECTOR W (5P)



CONNECTOR P (30P)



CONNECTOR Q (14P)



4. 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 5.

(cont'd)

Interior Lights

MICU Input Test (cont'd)

5. With the connectors still disconnected, do these input tests at the following connectors.

- 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 6.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
P8	PNK	Under all conditions	Attach to ground: The driver's and front passenger's foot well lights should come on.	• Blown No. 6 (7.5 A) fuse in the driver's under-dash fuse/relay box • Faulty foot light • An open in the wire
H14	ORN	Under all conditions	Attach to ground: The ignition key light should come on.	• Blown No. 7 (10 A) fuse in the driver's under-dash fuse/relay box • Faulty ignition key light • An open in the wire
Q12	GRY	Interior lights switch in DOOR position	Attach to ground: The individual map lights should come on.	• Blown No. 6 (7.5 A) fuse in the driver's under-dash fuse/relay box • Faulty map light • Faulty roof console • An open in the wire
W4	PNK	Interior lights switch in DOOR position	Attach to ground: The individual map lights should come on.	• Blown No. 6 (7.5 A) fuse in the driver's under-dash fuse/relay box • Faulty map light • Faulty roof console • An open in the wire

6. Reconnect the connectors to the driver's under-dash fuse/relay box, and do these input tests at the following connectors.

- If any test indicates a problem, find and correct the cause, then recheck the system.
- If all the input tests prove OK, the MICU must be faulty, replace the driver's under-dash fuse/relay box (see page 22-88).

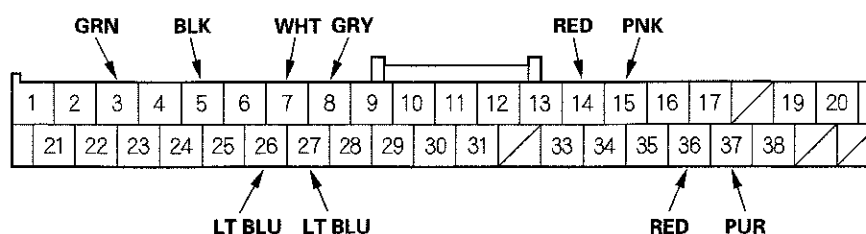
Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
P1	BRN	Under all conditions	Measure the voltage to ground: There should be less than 0.2 V.	• Poor ground (G502) • An open in the wire
E9	BLK	Under all conditions	Measure the voltage to ground: There should be less than 0.2 V.	• Poor ground (G601) • An open in the wire
H9	BLK			
Q14	BLK			



Driver's MPCS Unit Input Test

1. Turn the ignition switch to LOCK (0).
2. Remove the driver's door panel (see page 20-9).
3. Disconnect driver's MPCS unit connector A (40P).

DRIVER'S MPCS UNIT CONNECTOR A (40P)



Wire side of female terminals

4. 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 5.
5. With the connector still disconnected, do these input tests at the following 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 6.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
A14	RED	Connect the terminals A7 and A27 with a jumper wire.	Attach to ground: The driver's door pocket light should come on.	• Faulty driver's door pocket light • An open in the wire
A15	PNK	Connect the terminals A7 and A27 with a jumper wire.	Attach to ground: The driver's door courtesy light should come on.	• Faulty driver's door courtesy light • An open in the wire
A36	RED	Connect the terminals A7 and A27 with a jumper wire.	Attach to ground: The driver's door inner handle light should come on.	• Faulty driver's door inner handle light • An open in the wire
A37	PUR	Connect the terminals A7 and A37 with a jumper wire.	Check the driver's door outer handle light: The light should come on.	• Faulty driver's door outer handle light • Poor ground (G601) • An open in the wire
A8	GRY	Driver's under-dash fuse/relay box connector J (21P) and power window master switch 6P connector disconnected	Check for continuity between the A8 terminal and driver's under-dash fuse/relay box connector J (21P) terminal No. 1: There should be continuity.	An open in the wire
			Check for continuity to ground: There should be no continuity.	A short to ground in the wire

(cont'd)

Interior Lights

Driver's MPCS Unit Input Test (cont'd)

6. Reconnect the connector to the driver's MPCS unit, and do these input tests at the following 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 the driver's MPCS unit and go to step 7.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
A5	BLK	Under all conditions	Measure the voltage to ground: There should be less than 0.2 V.	• Poor ground (G601) • Faulty driver's under-dash fuse/relay box • An open in the wire
A7	WHT	Under all conditions	Measure the voltage to ground: There should be battery voltage.	• Blown No. 15 (40 A) fuse in the under-hood fuse/relay box • Blown No. 7 (10 A) fuse in the driver's under-dash fuse/relay box • Faulty driver's under-dash fuse/relay box • An open in the wire
A3	GRN	Driver's door open	Measure the voltage to ground: There should be less than 0.2 V.	• Faulty driver's door switch • Faulty driver's under-dash fuse/relay box • An open in the wire
		Driver's door closed	Measure the voltage to ground: There should be at least 5 V.	• Faulty driver's door switch • A short to ground in the wire
A26	LT BLU	Under all conditions	Measure the voltage to ground: There should be battery voltage.	• Blown No. 15 (40 A) fuse in the under-hood fuse/relay box • Blown No. 7 (10 A) fuse in the driver's under-dash fuse/relay box • Faulty driver's under-dash fuse/relay box • An open in the wire
A27	LT BLU	Under all conditions	Measure the voltage to ground: There should be battery voltage.	• Blown No. 15 (40 A) fuse in the under-hood fuse/relay box • Blown No. 7 (10 A) fuse in the driver's under-dash fuse/relay box • Faulty driver's under-dash fuse/relay box • An open in the wire

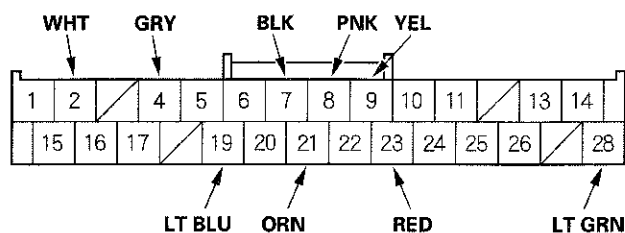
7. Reset the power window control unit (see page 22-331).



Front Passenger's MPCS Unit Input Test

1. Turn the ignition switch to LOCK (0).
2. Remove the front passenger's door panel (see page 20-9).
3. Disconnect front passenger's MPCS unit connector A (28P).

FRONT PASSENGER'S MPCS UNIT CONNECTOR A (28P)



Wire side of female terminals

4. 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 5.
5. With the connector still disconnected, do these input tests at the following 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 6.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
A8	PNK	Connect terminals A2 and A19 with a jumper wire.	Attach to ground: The front passenger's door pocket light should come on.	• Faulty front passenger's door pocket light • An open in the wire
A9	YEL	Connect terminals A2 and A19 with a jumper wire.	Attach to ground: The front passenger's door courtesy light should come on.	• Faulty front passenger's door courtesy light • An open in the wire
A21	ORN	Connect terminals A2 and A19 with a jumper wire.	Attach to ground: The front passenger's door inner handle light should come on.	• Faulty front passenger's door inner handle light • An open in the wire
A23	RED	Connect terminals A2 and A23 with a jumper wire.	Check the front passenger's door outer handle light: The front passenger's door outer handle light should come on.	• Faulty front passenger's door outer handle light • Poor ground (G506) • An open in the wire

(cont'd)

Interior Lights

Front Passenger's MPCS Unit Input Test (cont'd)

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
A4	GRY	Driver's under-dash fuse/relay box connector X (39P) and right rear power window switch 14P connector disconnected	Check for continuity between A4 terminal and driver's under-dash fuse/relay box connector X (39P) terminal No. 15: There should be continuity.	- Faulty passenger's under-dash fuse/relay box - An open in the wire
			Check for continuity to ground: There should be no continuity.	- Faulty passenger's under-dash fuse/relay box - A short to ground in the wire

6. Reconnect the connector to the front passenger's MPCS unit, and do these input tests at the following 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 the front passenger's MPCS unit and go to step 7.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
A7	BLK	Under all conditions	Measure the voltage to ground: There should be less than 0.2 V.	- Poor ground (G506) - An open in the wire
A2	WHT	Under all conditions	Measure the voltage to ground: There should be battery voltage.	- Blown No. 15 (40 A) fuse in the under-hood fuse/relay box - Blown No. 7 (10 A) fuse in the driver's under-dash fuse/relay box - Faulty driver's under-dash fuse/relay box - Faulty passenger's under-dash fuse/relay box - An open in the wire
A19	LT BLU	Under all conditions	Measure the voltage to ground: There should be battery voltage.	- Blown No. 15 (40 A) fuse in the under-hood fuse/relay box - Blown No. 7 (10 A) fuse in the driver's under-dash fuse/relay box - Faulty driver's under-dash fuse/relay box - Faulty passenger's under-dash fuse/relay box - An open in the wire
A28	LT GRN	Front passenger's door open	Measure the voltage to ground: There should be less than 0.2 V.	- Faulty front passenger's door switch - An open in the wire
		Front passenger's door closed	Measure the voltage to ground: There should be at least 5 V.	- Faulty front passenger's door switch - A short to ground in the wire

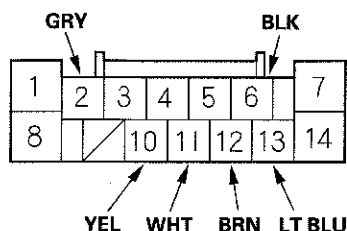
7. Reset the power window control unit (see page 22-331).



Left Rear Power Window Switch Input Test

1. Turn the ignition switch to LOCK (0).
2. Remove the left rear power window switch (see page 22-372).
3. Disconnect the 14P connector from the left rear power window switch.

LEFT REAR POWER WINDOW SWITCH 14P CONNECTOR



Wire side of female terminals

4. 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 5.
5. With the connector still disconnected, do these input tests at the following connector.
 - If any test indicates a problem, find and correct the cause, then recheck the system.
 - If all the input tests prove OK, replace the left rear power window switch (see page 22-372).

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
6*	BLK	Under all conditions	Measure the voltage to ground: There should be less than 0.2 V.	• Poor ground (G601) • An open in the wire
11	WHT	Under all conditions	Measure the voltage to ground: There should be battery voltage.	• Blown No. 15 (40 A) fuse in the under-hood fuse/relay box • Blown No. 6 (7.5 A) fuse in the driver's under-dash fuse/relay box • Faulty driver's under-dash fuse/relay box • An open in the wire
10	YEL	Under all conditions	Attach to ground: The left rear door courtesy light should come on.	• Faulty left rear door courtesy light • An open in the wire
12	BRN	Under all conditions	Attach to ground: The left rear door inner handle light should come on.	• Faulty left rear door inner handle light • An open in the wire
2	GRY	Driver's under-dash fuse/relay box connector H (14P) disconnected.	Check for continuity between terminal No. 2 and driver's under-dash fuse/relay box connector H (14P) terminal No. 4: There should be continuity.	An open in the wire
			Check for continuity to ground: There should be no continuity.	A short to ground in the wire
13*	LT BLU	Left rear door open	Measure the voltage to ground: There should be less than 0.2 V.	• Faulty left rear door switch • An open in the wire
		Left rear door closed	Measure the voltage to ground: There should be at least 5 V.	• Faulty left rear door switch • A short to ground in the wire

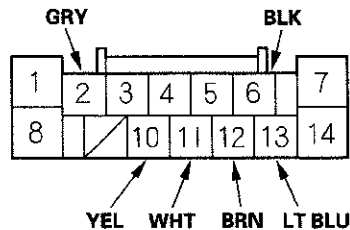
* : Reconnect the left rear power window switch 14P connector.

Interior Lights

Right Rear Power Window Switch Input Test

1. Turn the ignition switch to LOCK (0).
2. Remove the right rear power window switch (see page 22-372).
3. Disconnect the 14P connector from the right rear power window switch.

RIGHT REAR POWER WINDOW SWITCH 14P CONNECTOR



Wire side of female terminals

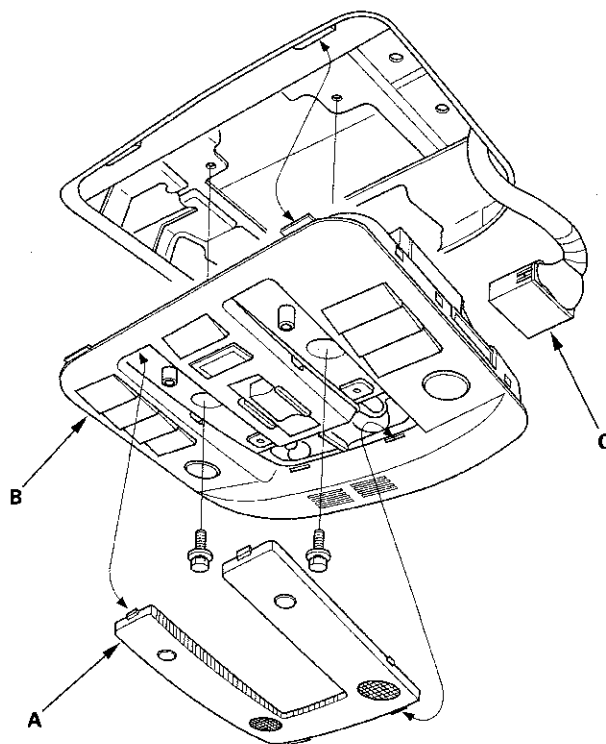
4. Inspect the connector and socket terminals to be sure they are all making good contact.
 - If the terminals are bent, loose or corroded, repair them as necessary and recheck the system.
 - If the terminals look OK, go to step 5.
5. With the connector still disconnected, do these input tests at the following connector.
 - If any test indicates a problem, find and correct the cause, then recheck the system.
 - If all the input tests prove OK, replace the right rear power window switch (see page 22-372).

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
6*	BLK	Under all conditions	Measure the voltage to ground: There should be less than 0.2 V.	• Poor ground (G651) • An open in the wire
11	WHT	Under all conditions	Measure the voltage to ground: There should be battery voltage.	• Blown No. 15 (40 A) fuse in the under-hood fuse/relay box • Blown No. 6 (7.5 A) fuse in the driver's under-dash fuse/relay box • Faulty driver's under-dash fuse/relay box • An open in the wire
10	YEL	Under all conditions	Attach to ground: The right rear door courtesy light should come on.	• Faulty right rear door courtesy light • An open in the wire
12	BRN	Under all conditions	Attach to ground: The right rear door inner handle light should come on.	• Faulty right rear door inner handle light • An open in the wire
2	GRY	Driver's under-dash fuse/relay box connector X (39P) and front passenger's MPCS unit connector A (28P) disconnected	Check for continuity between terminal No. 2 and driver's under-dash fuse/relay box connector X (39P) terminal No. 15: There should be continuity. Check for continuity to ground: There should be no continuity.	• Faulty passenger's under-dash fuse/relay box • An open in the wire
13*	LT BLU	Right rear door open	Measure the voltage to ground: There should be less than 0.2 V.	• Faulty passenger's under-dash fuse/relay box • A short to ground in the wire • Faulty right rear door switch • An open in the wire
		Right rear door closed	Measure the voltage to ground: There should be at least 5 V.	• Faulty right rear door switch • A short to ground in the wire

* : Reconnect the right rear power window switch 14P connector.

Roof Console Replacement

1. Turn the map light switch OFF.
2. Carefully pry off the lens (A) with a small screwdriver.

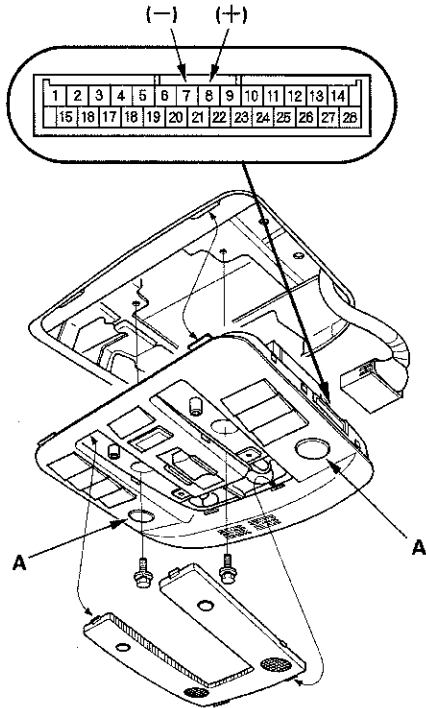


3. Remove the two bolts and the roof console (B).
4. Pull down on the front corners of the roof console to release the two clips.
5. Push the console forward, then swing the rear edge down.
6. Disconnect the 28P connector (C) from the roof console.
7. Install the parts in the reverse order of removal.

Interior Lights

Ambient Light Test

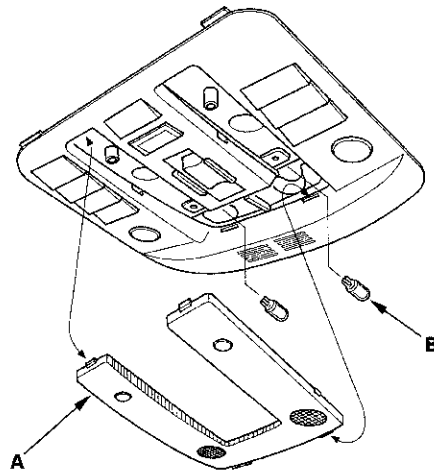
1. Remove the roof console, and disconnect the 28P connector (see page 22-307).
2. Connect the roof console connector terminal No. 8 to battery power and terminal No. 7 to body ground. The ambient lights (A) should turn on. If they do not turn on, replace the roof console.



Front Individual Map Light Replacement

1. Carefully pry off the lens (A) with a small screwdriver.

Front Map Light: 8 W x 2



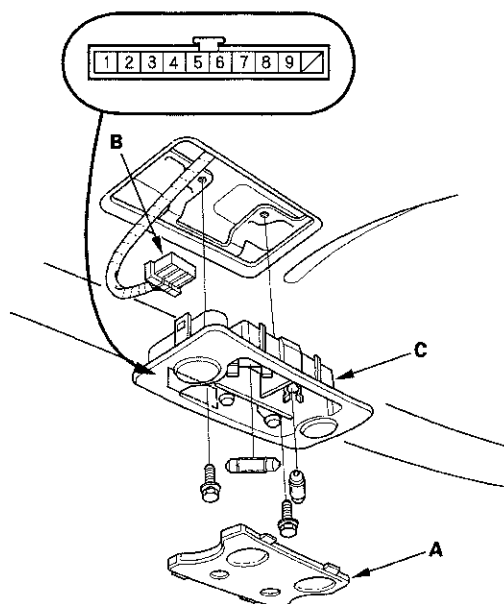
2. Check the bulb(s) (B). If the bulb is OK, but there is a malfunction, check the interior lights switch (see page 22-297).



Rear Individual Map Light Test/Replacement

1. Carefully pry off the lens (A) with a small screwdriver.

Rear Map Light: 8 W x 2



2. Remove the two mounting bolts.
3. Disconnect the 10P connector (B) from the rear map light (C).

Switch Test

4. Check for continuity between terminals No. 5 (or No. 6) and No. 7 with the left (or right) rear map light switch ON. There should be continuity.
5. Check for continuity between terminals No. 5 (or No. 6) and No. 7 with the left (or right) rear map light switch OFF. There should be no continuity.
6. If the continuity is not as specified, replace the rear map light assembly.

Map Light Test

7. Connect battery power to terminal No. 4 and ground terminal No. 8. The left map light should come on.
8. Connect battery power to terminal No. 4 and ground terminal No. 9. The right map light should come on.
9. If the test result is not as specified, check the bulb. If the bulb is OK, replace the rear map light assembly.

Ambient Lights Test

10. Connect battery power to terminal No. 3 and ground terminal No. 1. The ambient lights should come on.
11. If the test result is not as specified, replace the rear map light assembly.

Switch Lights Test

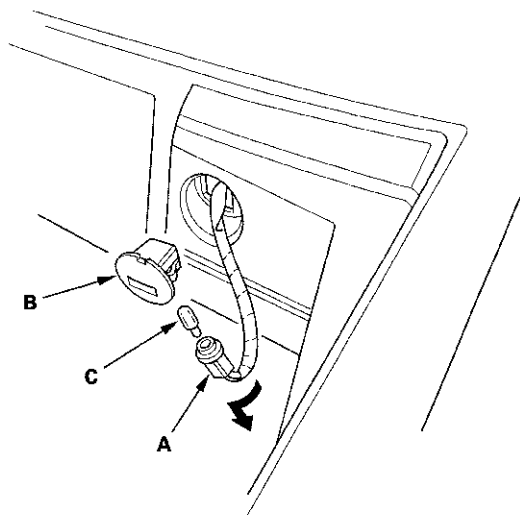
12. Connect battery power to terminal No. 3 and ground terminal No. 2. The switch lights should come on.
13. If the test result is not as specified, check the bulbs. If the bulbs are OK, replace the rear map light assembly.

Interior Lights

Glove Box Light Replacement

1. Remove the glove box stops and damper (see page 20-104).
2. Carefully pry the glove box light out of the glove box housing.
3. Twist the socket (A) to remove it from the glove box light (B).

Glove Box Light: 1.4 W

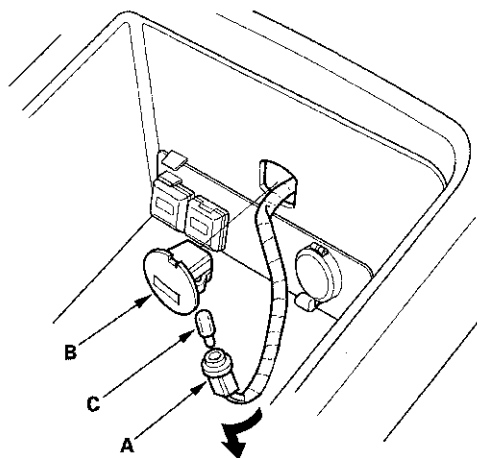


4. Remove the bulb (C) from the socket.
5. Install the light in the reverse order of removal.

Console Box Light Replacement

1. Remove the center console (see page 20-92).
2. Carefully pry out the console box light out of the center console.
3. Twist the socket (A) to remove it from the console box light (B).

Console Box Light: 1.4 W



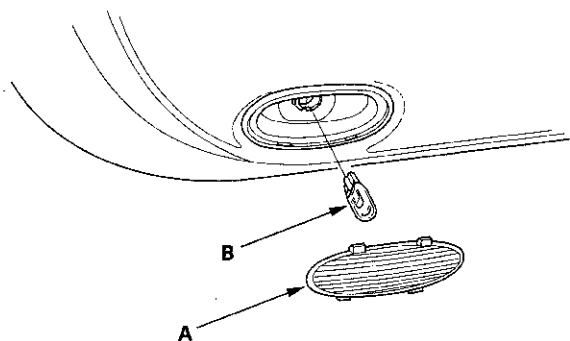
4. Remove the bulb (C) from the socket.
5. Install the light in the reverse order of removal.



Courtesy Light Replacement

1. Carefully pry off the lens (A) with a small screwdriver.

Courtesy Light: 2 CP

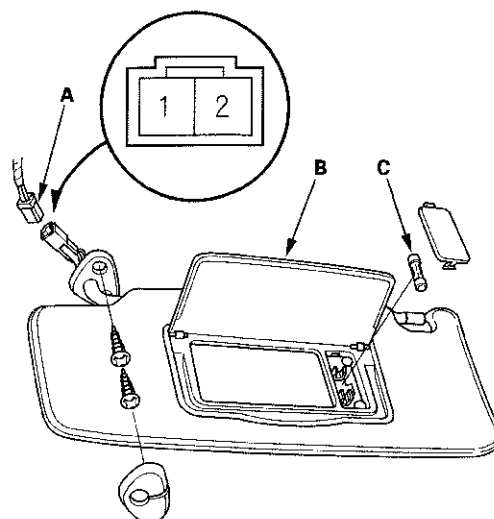


2. Remove the bulb (B) from the socket.
3. Install the parts in the reverse order of removal.

Vanity Mirror Light Test

1. Open the sunvisor.
2. Remove the sunvisor (see page 20-86).
3. Disconnect the 2P connector (A) from the vanity mirror light.

Vanity Mirror Light: 2 W



4. Check for continuity between terminals No. 1 and No. 2.
 - With the vanity mirror cover (B) opened, there should be continuity.
 - With the vanity mirror cover closed, there should be no continuity.

NOTE: Make sure the sunvisor is fully retracted.

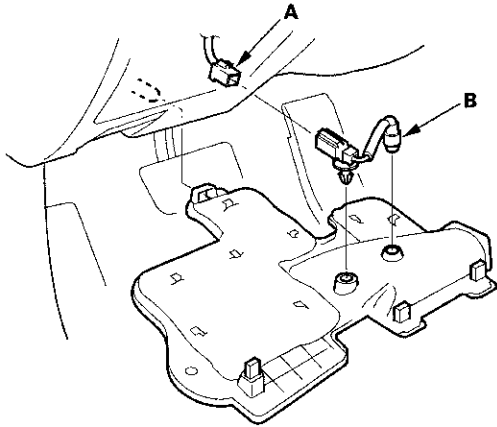
5. If the continuity is not as specified, replace the bulb (C) or the sunvisor.

Interior Lights

Footwell Light Replacement

Driver's

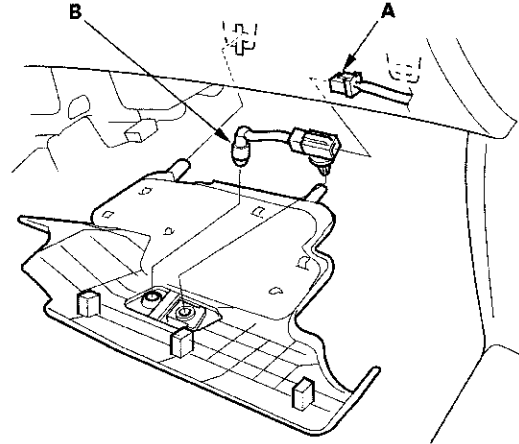
1. Remove the driver's dashboard undercover (see page 20-100).
2. Disconnect the 2P connector (A) from the driver's footwell light (B).



3. Remove the footwell light.
4. Install the parts in the reverse order of removal.

Passenger's

1. Remove the passenger's dashboard undercover (see page 20-100).
2. Disconnect the 2P connector (A) from the passenger's footwell light (B).



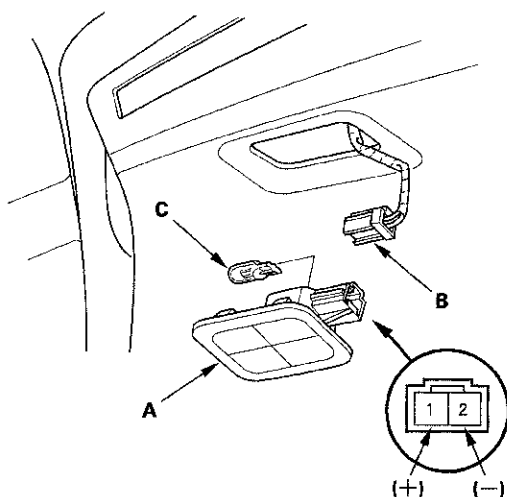
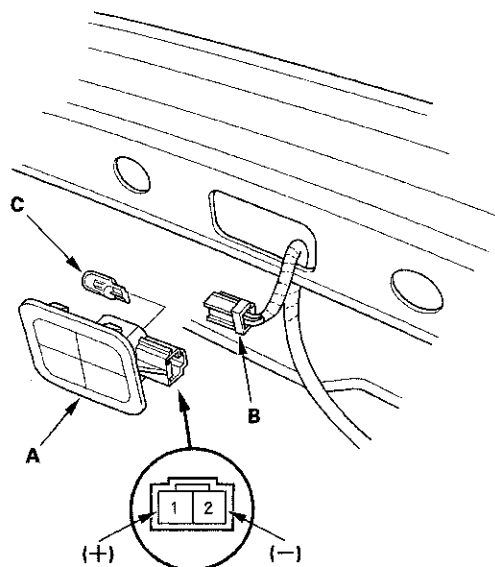
3. Remove the footwell light.
4. Install the parts in the reverse order of removal.



Trunk Light Test/Replacement

1. Open the trunk lid.
2. Carefully pry out the trunk light (A).

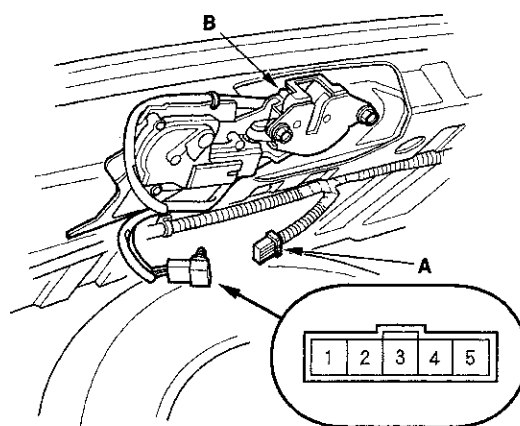
Trunk Light: 5 W



3. Disconnect the 2P connector (B) from the light.
4. Check for continuity between terminals No. 1 (+) and No. 2 (-). There should be continuity. If there is no continuity, check the bulb (C). If the bulb is OK, replace the trunk light.
5. Install the parts in the reverse order of removal.

Trunk Lid Latch Switch Test

1. Open the trunk lid, and remove the trunk lid trim (see page 20-85).
2. Disconnect the 5P connector (A) from the trunk lid latch (B).



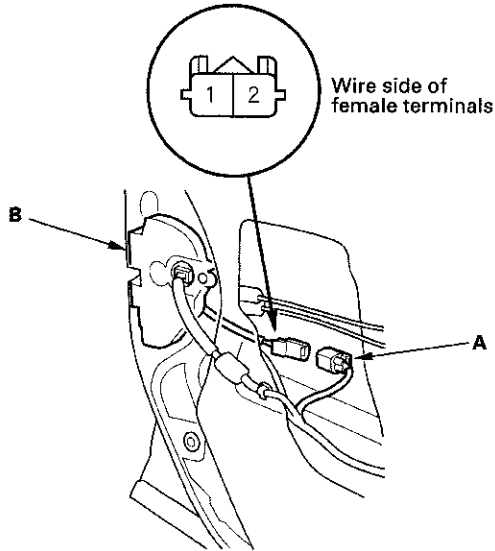
3. Check for continuity between terminals No. 3 and No. 1.
 - There should be continuity with the trunk lid latch unlatched (trunk lid open).
 - There should be no continuity with the trunk lid latch latched (trunk lid closed).
4. If the continuity is not as specified, replace the trunk lid latch switch.

Interior Lights

Door Switch Test

Driver's Door

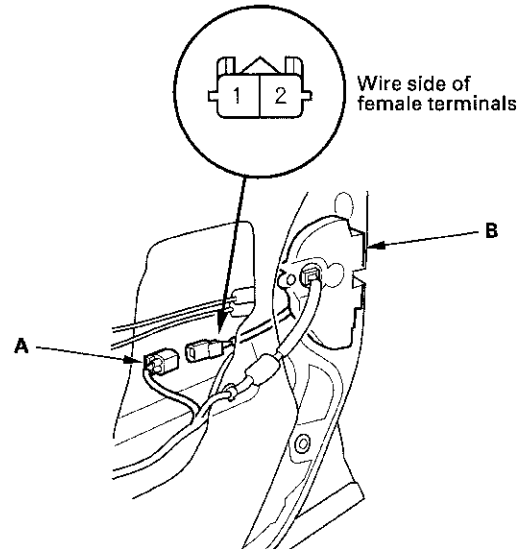
1. Remove the driver's door panel (see page 20-9).
2. Disconnect the 2P connector (A) from the door switch (B).



3. Check for continuity between terminals No. 1 and No. 2.
 - There should be continuity with the door open.
 - There should be no continuity with the door closed.
4. If the continuity is not as specified, replace the door lock actuator.

Front Passenger's and Rear Door

1. Remove the front passenger's door panel (see page 20-9) or rear door panel (see page 20-21).
2. Disconnect the 2P connector (A) from the door switch (B).



The illustration shows the front passenger's door.

3. Check for continuity between terminals No. 1 and No. 2.
 - There should be continuity with the door open.
 - There should be no continuity with the door closed.
4. If the continuity is not as specified, replace the door lock actuator.