

Body Rear End

Specifications

Fastener Tightening Specifications

Application	Specifications	
	Metric	English
Fuel Filler Door Bolt	2 N·m	18 lb in
Fuel Filler Door Release Cable Nut	2 N·m	18 lb in
Fuel Filler Door to Quarter Panel Screws	2.2 N·m	19 lb in
Fuel Filler Door Release Cable Jam Nut	2 N·m	18 lb in
Fuel Filler Door Release Actuator Nut	2 N·m	18 lb in
Fuel Filler Pipe Screws	2.5 N·m	22 lb in
Fuel Filler Pocket Screws	1.9 N·m	17 lb in
Hinge Bolts	25 N·m	18 lb ft
Hinge Nuts	25 N·m	18 lb ft
Latch Mounting Bolts	10 N·m	89 lb in
Latch Bracket Mounting Bolts	10 N·m	89 lb in
Latch Bracket Mounting Nuts	27 N·m	20 lb in
Liftgate Strut Rod Bolts	10 N·m	89 lb in
Lift Window Hinge Bolts	25 N·m	18 lb Ft
Lift Window Latch Striker Bolts	10 N·m	89 lb in
Lock Pillar Weatherstrip Retainer Screws	3.4 N·m	30 lb in
Rear Compartment Brace to Floor Nuts	10 N·m	89 lb in
Rear Compartment Hinge to Body Bolts	25 N·m	18 lb ft
Rear Compartment Hinge to Lid Bolts	25 N·m	18 lb ft
Rear Compartment Lid Hinge Bolts	25 N·m	18 lb ft
Rear Compartment Lid Latch Bolts	10 N·m	89 lb in
Rear Compartment Lid Latch Striker Bolts	10 N·m	89 lb in
Rear Weatherstrip Upper Corner Screws	3.4 N·m	30 lb in
Release Cable Nut	2 N·m	18 lb in
Roof Weatherstrip Center Retainer Screws	3.4 N·m	30 lb in
Roof Weatherstrip Retainer Screws	3.4 N·m	30 lb in
Roof Weatherstrip Upper Corner Screws	3.4 N·m	30 lb in
Seat Belt Guide Bolt	46 N·m	34 lb ft
Taillamp Mounting Screws	2 N·m	18 lb in
Wheelhouse Liner Bolts	1.9 N·m	17 lb in

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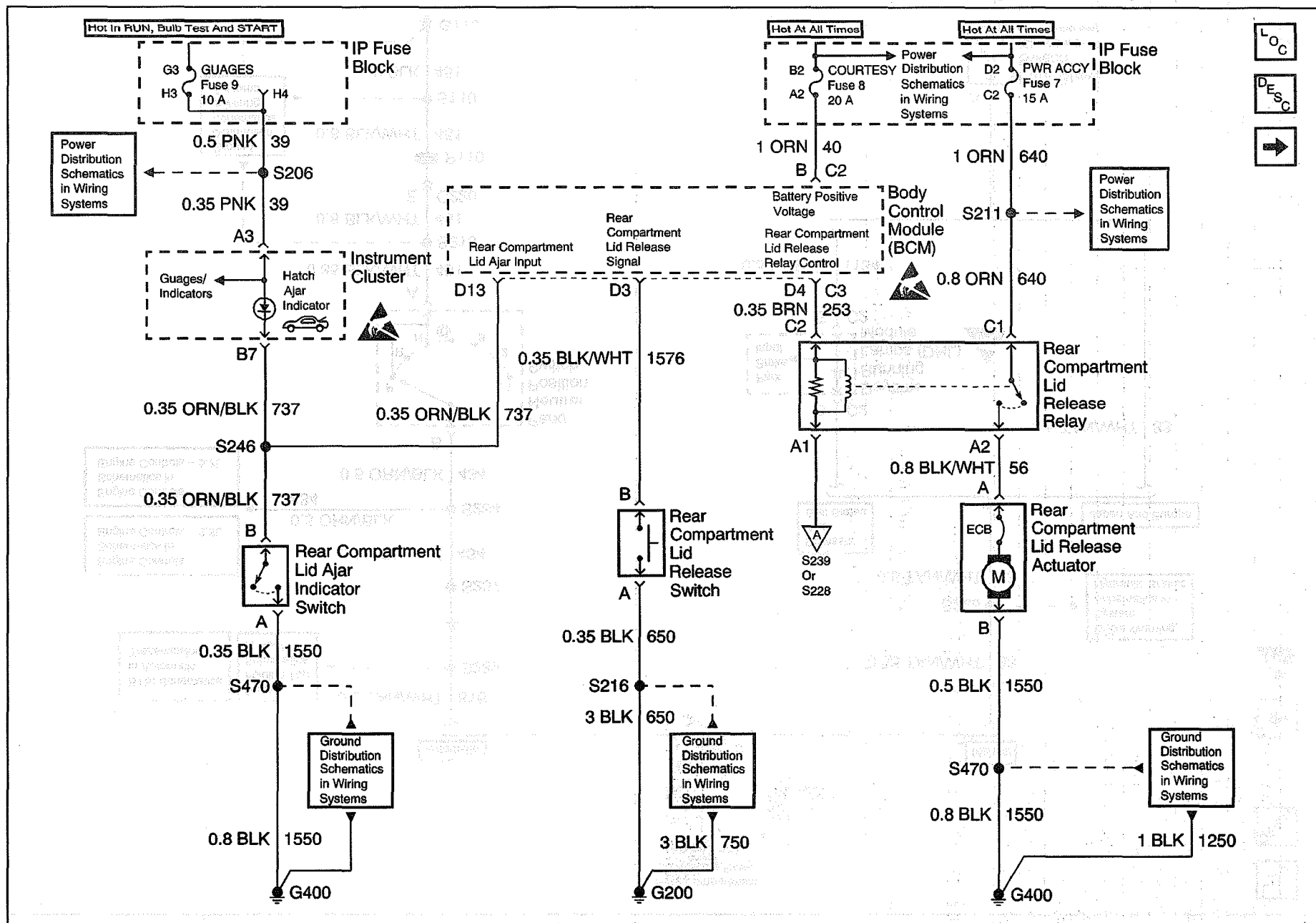
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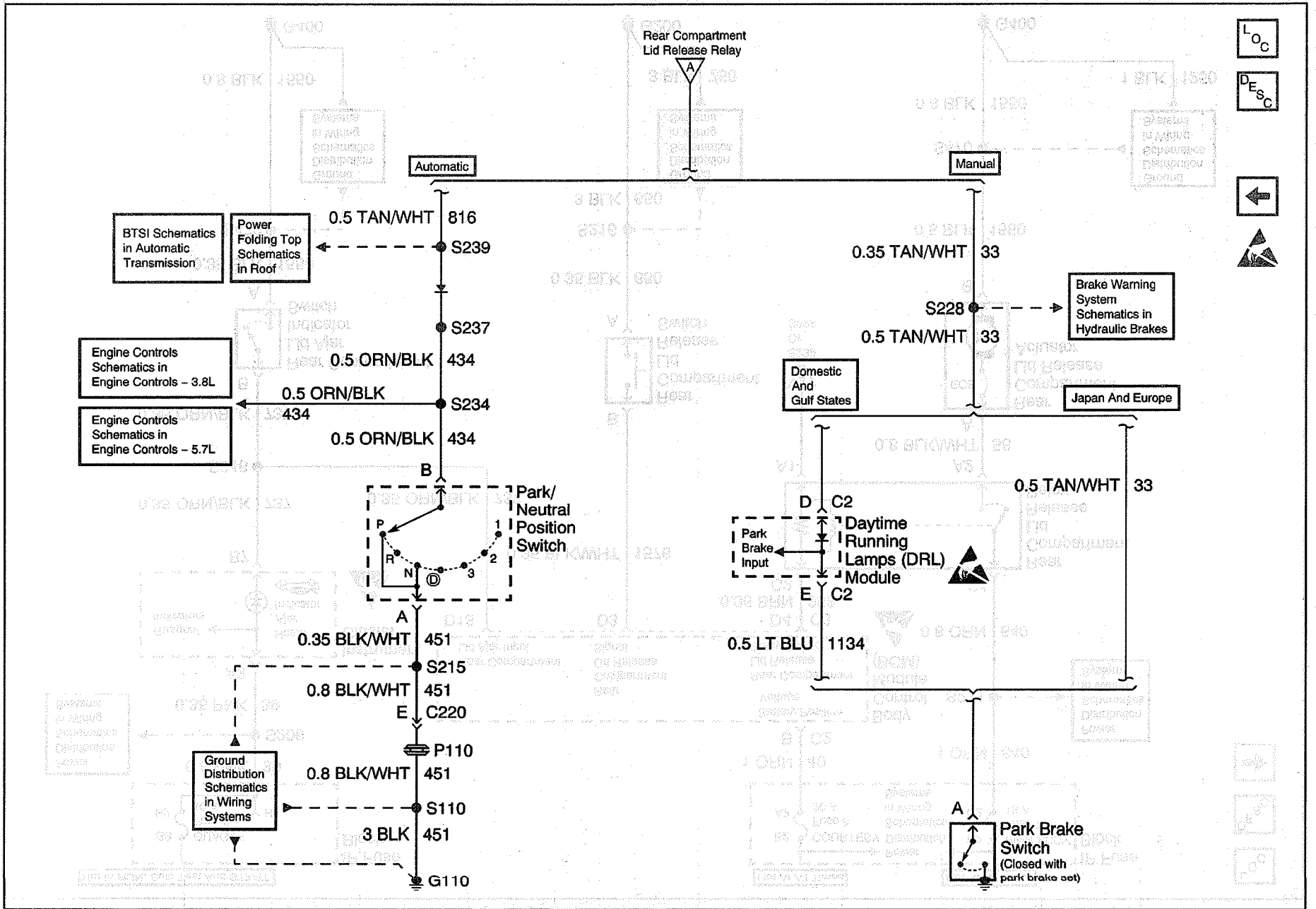
2014-2015

Wheelhouse Liner Bolt
Tallamp Mounting Screws
Seal Ball Guide Bolt
Pool Weatherstrip Upper Corner
Pool Weatherstrip Retainer Screws
Pool Weatherstrip Center Retainer
Wireless Cable Nut
Rear Weatherstrip Upper Corner
Rear Weatherstrip Lid Latch Strip
Rear Compartment Lid Latch Bolt
Rear Compartment Hinge to Lid
Rear Compartment Hinge to Box
Rear Compartment Brace to Floor
Lock Pillar Weatherstrip Retainer
Lid Window Latch Striker Bolt
Lid Window Hinge Bolt
Lid Latch Strip Rod Bolt
Latch Bracket Mounting Nuts

Release Systems Schematics (Body Control Module, Rear Release Actuator, Relay, and Switch)



Release Systems Schematics (Park Brake Switch and Park/Neutral Position Switch)



Component Locator

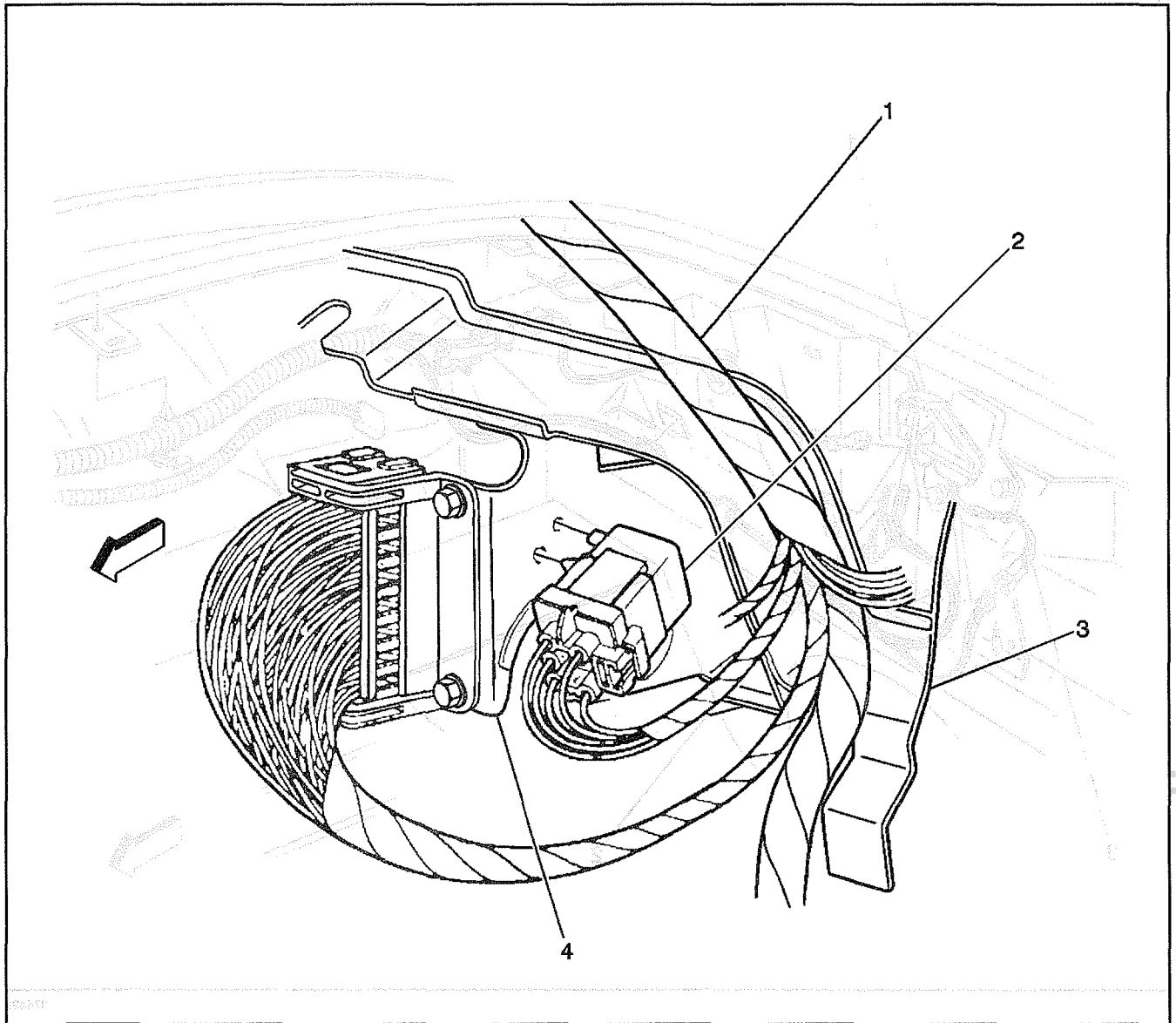
Body Rear End Components			
Name	Location	Locator View	Connector End View
Body Control Module (BCM)	Under the right side of the IP near the blower motor	Body Control Module Component Views in Body Control Systems	Body Control Module Connector End Views in Body Control Systems
Daytime Running Lamps (DRL) Module	Mounted behind the radio and the HVAC control, left of the IP compartment	Data Link Communications Component Views in Data Link Communications	Lighting Systems Connector End Views in Lighting Systems
Instrument Cluster	On the left side of the IP	Instrument Panel, Gauges, and Console Component Views in Instrument Panel, Gauges and Console	Instrument Panel, Gauges, and Console Connector End Views in Instrument Panel, Gauges and Console
IP Fuse Block	On the left end of the IP carrier	Instrument Panel, Gauges, and Console Component Views in Instrument Panel, Gauges and Console	—
Park Brake Switch	Below the center console, at the base of the park brake lever	Hydraulic Brakes Component Views in Hydraulic Brakes	—
Park/Neutral Position Switch	Under the center console, on the base of the shift control lever	Automatic Transmission Shift Lock Control Component Views in Automatic Transmission	Engine Controls Connector End Views in Engine Controls
Rear Compartment Lid Ajar Indicator Switch	Part of the rear compartment lid latch	Body Rear End Component Views	Instrument Panel, Gauges, and Console Connector End Views in Instrument Panel, Gauges and Console
Rear Compartment Lid Release Actuator	In the center of the end panel, in the cargo compartment	Body Rear End Component Views	Body Rear End Connector End Views
Rear Compartment Lid Release Relay	Under the left side of the IP, near C200	Body Rear End Component Views	—
Rear Compartment Lid Release Switch	In the driver knee bolster, left of the steering column	—	Body Rear End Connector End Views
C220 (10 cavities)	IP to engine harness, under the right side of the IP, behind the knee bolster	Harness Routing Views in Wiring Systems	Inline Harness Connector End Views in Wiring Systems
G110 (V6 VIN K)	In the front of the engine, bolted to the pulley above the A/C clutch connector	Harness Routing Views in Wiring Systems	—
G110 (V8 VIN G)	Attached to the rear of the left cylinder head	Harness Routing Views in Wiring Systems	—
G400	Bolted to the rear compartment lid release actuator bracket in the rear compartment	Harness Routing Views in Wiring Systems	—
P110	Right side in the dash panel, engine to the passenger compartment	Harness Routing Views in Wiring Systems	—
P300	In the rear center of the roof, near the dome lamp	Harness Routing Views in Wiring Systems	—

Body Rear End Components (cont'd)

Name	Location	Locator View	Connector End View
S110 (V6 VIN K)	In the engine harness, approximately 4 cm (1.6 in) from the powertrain control module (PCM) breakout	—	—
S110 (V8 VIN G)	In the engine harness, main branch, approximately 20 cm (7.9 in) from the powertrain control module (PCM) breakout	—	—
S211	In the IP harness, main branch, approximately 7 cm (2.8 in) from the rear compartment lid release relay breakout	—	—
S215	In the IP harness, main branch, approximately 11 cm (4 in) from the antenna cable breakout	—	—
S216	In the IP harness, main branch, approximately 10 cm (4 in) from the instrument cluster breakout	—	—
S228	In the IP harness, main branch, approximately 20 cm (7.9 in) from the rear compartment lid release relay breakout	—	—
S234 (Automatic)	In the IP harness, main branch, approximately 5 cm (2 in) from the body control module (BCM) breakout	—	—
S237 (Automatic)	In the IP harness, main branch, approximately 6 cm (2.4 in) from the body control module (BCM) breakout	—	—
S239 (Automatic)	In the IP harness, main branch, approximately 1 cm (0.5 in) from the body control module (BCM) breakout	—	—
S470	In the IP harness, approximately 6 cm (9.5 in) from the G400 breakout	—	—

Body Rear End Component Views

Lower Left Side of the Instrument Panel



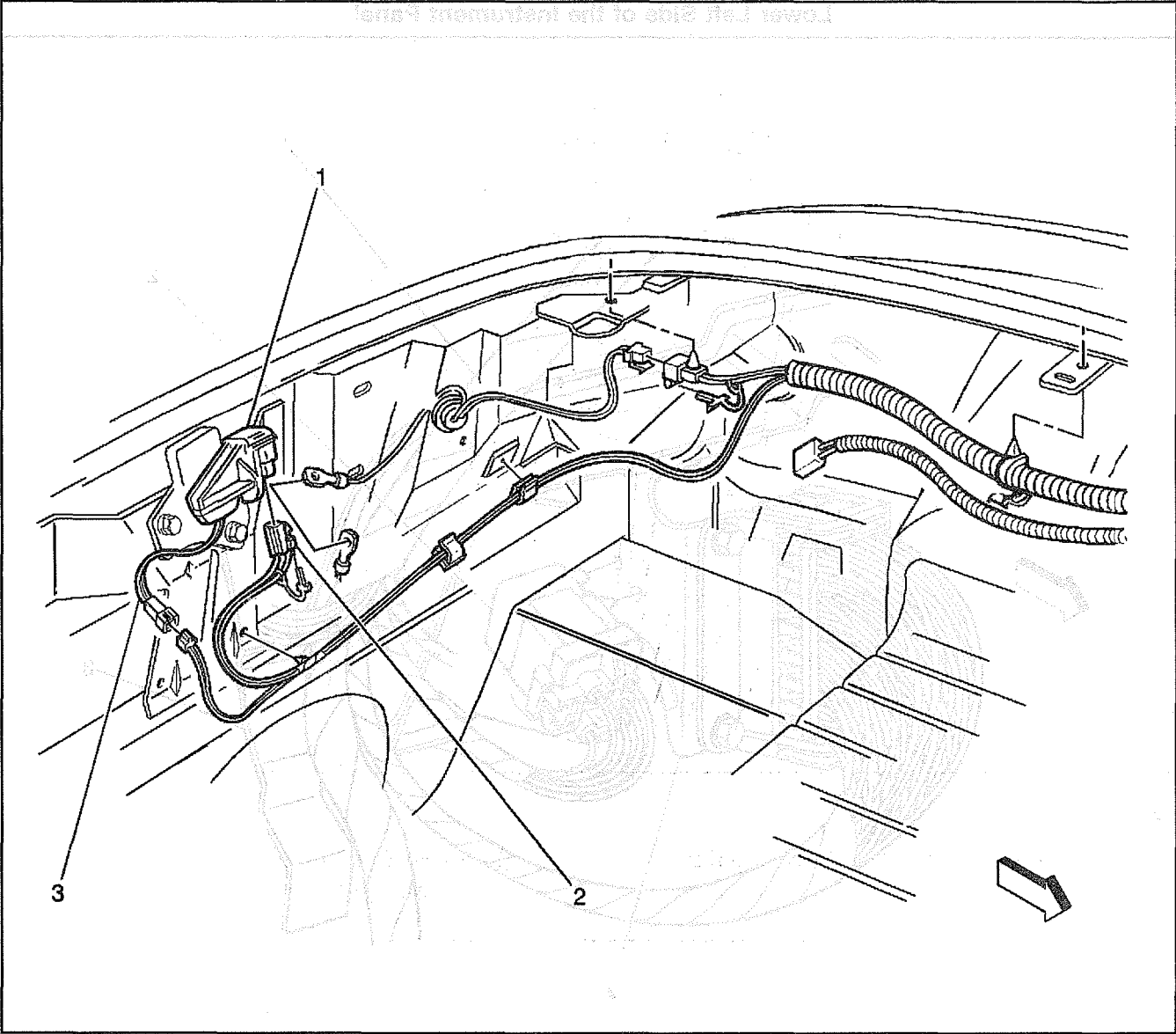
Legend

- (1) IP Wiring Harness
- (2) Rear Compartment Lid Release Relay

- (3) Instrument Panel
- (4) Bracket

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Left Side of Rear Compartment (Coupe)

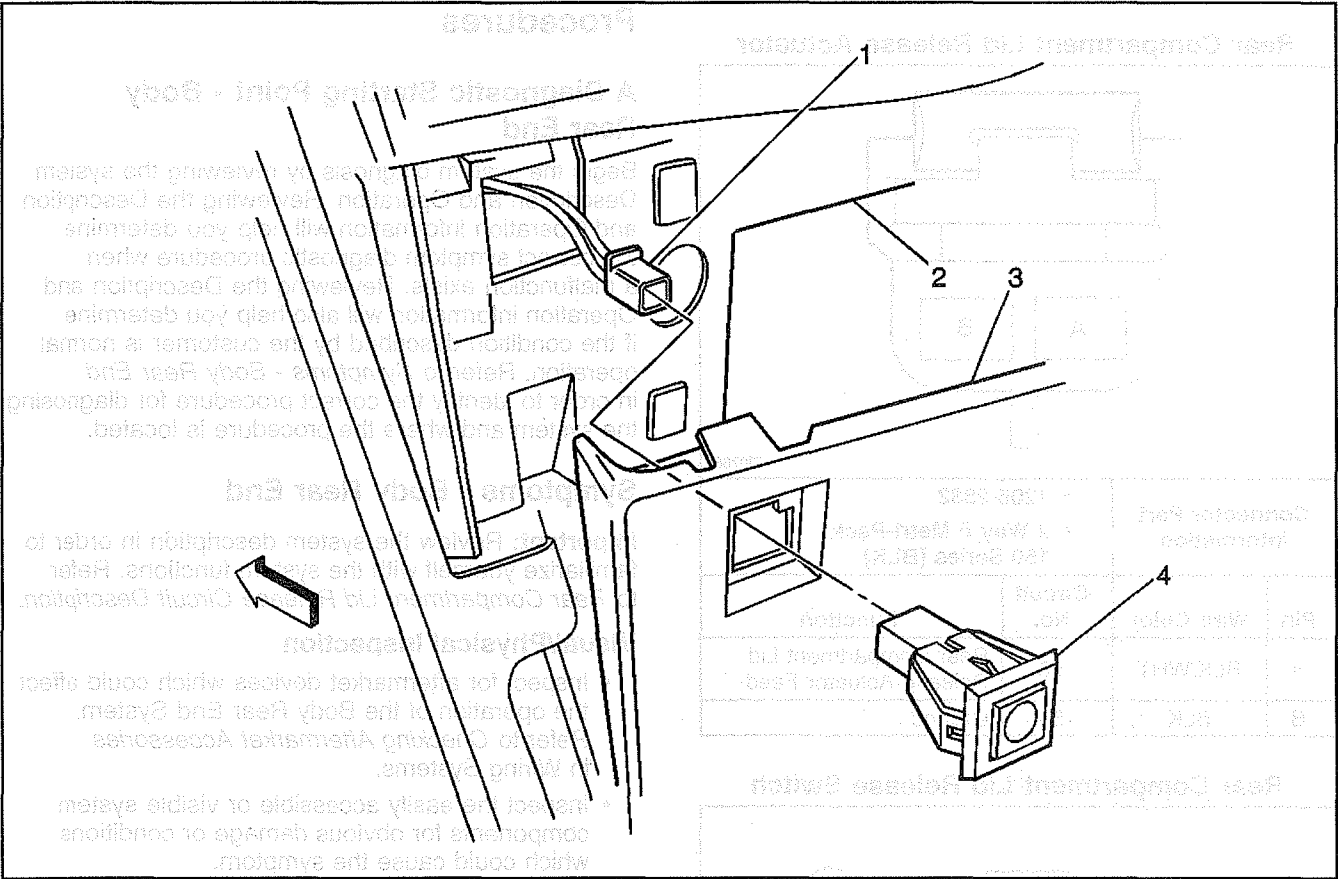


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Legend

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|---|---|
| (1) Rear Compartment Lid Lock Release Actuator | (3) Rear Compartment Lid Ajar Indication Switch |
| (2) Rear Compartment Lid Release Actuator Connector | |

Driver Side Knee Bolster, Left of Steering Column



Legend

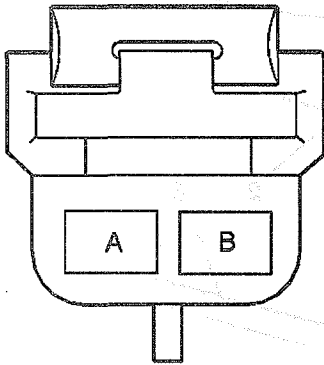
- (1) Rear Compartment Lid Release Switch Connector
- (2) Instrument Panel
- (3) Driver Side Knee Bolster
- (4) Rear Compartment Lid Release Switch

Pin	Wire Color	Function
A	BLK	Ground
B	BLK-WHT	Rear Compartment Lid Release Switch Output

Body Rear End Connector End Views

Diagnostic Information and Procedures

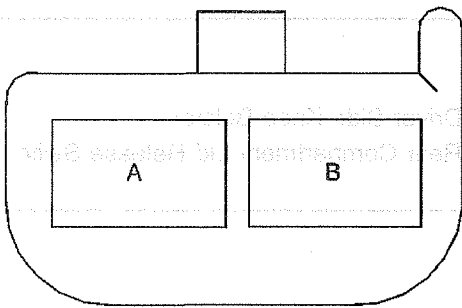
Rear Compartment Lid Release Actuator



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Connector Part Information		• 1205-2832 • 2 Way F Metri-Pack 150 Series (BLK)	
Pin	Wire Color	Circuit No.	Function
A	BLK/WHT	56	Rear Compartment Lid Release Actuator Feed
B	BLK	1550	Ground

Rear Compartment Lid Release Switch



82383

Connector Part Information		• 1204-7662 • 2 Way F Metri-Pack 150 Series (BLK)	
Pin	Wire Color	Circuit No.	Function
A	BLK	650	Ground
B	BLK/WHT	1576	Rear Compartment Lid Release Switch Output

A Diagnostic Starting Point - Body Rear End

Begin the system diagnosis by reviewing the system Description and Operation. Reviewing the Description and Operation information will help you determine the correct symptom diagnostic procedure when a malfunction exists. Reviewing the Description and Operation information will also help you determine if the condition described by the customer is normal operation. Refer to *Symptoms - Body Rear End* in order to identify the correct procedure for diagnosing the system and where the procedure is located.

Symptoms - Body Rear End

Important: Review the system description in order to familiarize yourself with the system functions. Refer to *Rear Compartment Lid Release Circuit Description*.

Visual/Physical Inspection

- Inspect for aftermarket devices which could affect the operation of the Body Rear End System. Refer to *Checking Aftermarket Accessories* in Wiring Systems.
- Inspect the easily accessible or visible system components for obvious damage or conditions which could cause the symptom.

Intermittent

Faulty electrical connections or wiring may be the cause of intermittent conditions. Refer to *Testing for Intermittent and Poor Connections* in Wiring Systems.

Symptom List

Refer to a symptom diagnostic procedure from the following list in order to diagnose the symptom:

- *Rear Compartment Lid Release Inoperative*
- *Rear Lid Ajar Indicator Always On*
- *Rear Lid Ajar Indicator Inoperative*

(b) Rear Compartment Lid Release Inoperative

Step	Action	Value(s)	Yes	No
1	Did you review the operation and perform the necessary inspections?		Go to Step 2	Go to Symptoms Body Rear End
2	1. Turn the ignition to the RUN position. 2. Manual Transmission: Ensure that the park brake is applied. Automatic Transmission: Ensure that the transmission is in either the PARK or NEUTRAL position. 3. Press the rear compartment lid release switch in the vehicle. Does the rear compartment open normally?		Go to Testing for Intermittent and Poor Connections in Wiring Systems	Go to Step 3
3	1. Connect a test lamp to ground. 2. Backprobe the rear compartment lid release actuator terminal A. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?		Go to Step 5	Go to Step 4
4	1. Connect a test lamp to ground. 2. Backprobe the rear compartment lid release relay terminal C1 to ground. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?		Go to Step 7	Go to Step 8
5	Test for and repair a short to battery voltage in circuit 56 between the rear compartment lid release actuator and the rear compartment lid release relay. Refer to <i>Circuit Testing</i> and <i>Wiring Repairs</i> in Wiring Systems. Did you find and repair a short?		Go to Step 27	Go to Step 6
6	Replace the rear compartment lid release relay. Did you complete the replacement?		Go to Step 27	
7	1. Disconnect the rear compartment lid release relay connector. 2. Momentarily connect a 15A fused jumper from terminal C1 to terminal A2 of the rear compartment lid release relay connector. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the rear compartment lid release actuator operate?		Go to Step 9	Go to Step 10
8	Repair the open in circuit 640. Refer to <i>Wiring Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to Step 27	—
9	1. Connect a test lamp to ground. 2. Backprobe the rear compartment lid release relay terminal C2. Refer to <i>Circuit Testing</i> in Wiring Systems. 3. Operate the rear compartment lid release switch. Does the test lamp illuminate?	—	Go to Step 11	Go to Step 12
10	1. Reconnect the 15A fused jumper from terminal C1 to terminal A2 of the rear compartment lid release relay connector. 2. Connect a test lamp to ground. 3. Backprobe the rear compartment lid release actuator connector terminal A. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?	—	Go to Step 13	Go to Step 14

Rear Compartment Lid Release Inoperative (cont'd)

Step	Action	Value(s)	Yes	No
11	1. Connect a multimeter between the rear compartment lid release relay connector terminals C1(+) and terminal A1(-). 2. Set the parking brake on vehicles equipped with a manual transmission. Place vehicles equipped with an automatic transmission in PARK or NEUTRAL. 3. Test for 9 to 15 VDC between the test points listed. Is 9 to 15 VDC present?	9–15 Volts	Go to Step 15	Go to Step 17
12	1. Disconnect the body control module (BCM) connector C3 and connector C2. 2. Connect a test lamp between the connector C2 terminal B and the connector C3 terminal D3. Refer to <i>Circuit Testing</i> in Wiring Systems. 3. Press the rear compartment lid release switch. Does the test lamp illuminate?		Go to Step 21	Go to Step 22
13	1. Disconnect the rear compartment lid release actuator. 2. Connect a test lamp to the rear compartment lid release actuator connector from terminal A to terminal B. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?	—	Go to Step 18	Go to Step 20
14	Repair the open in circuit 56 between the rear compartment lid release relay and the rear compartment lid release actuator. Refer to <i>Wiring Repairs</i> in Wiring Systems. Did you complete the repair?	—	System OK	Go to Step 27
15	Test for and repair faulty connections at the rear compartment lid release relay. Refer to <i>Testing for Intermittent and Poor Connections</i> and <i>Connector Repairs</i> in Wiring Systems. Did you find and repair faulty connections?	—	Go to Step 27	Go to Step 16
16	Replace the rear compartment lid release relay. Did you complete the replacement?	—	Go to Step 27	—

Rear Compartment Lid Release Inoperative (cont'd)

Step	Action	Value(s)	Yes	No
17	Automatic Transmission: 1. Inspect for an open in circuit 816/434 between the rear compartment lid release relay and the park/neutral position switch. Refer to <i>Circuit Testing</i> in Wiring Systems. 2. Inspect for an open in circuit 451 between the park/neutral position switch and splice S215. Refer to <i>Circuit Testing</i> in Wiring Systems. 3. Inspect for a faulty connection at the park/neutral switch. Refer to <i>Testing for Intermittent and Poor Connections</i> in Wiring Systems. 4. Inspect the park/neutral position switch for correct adjustment. Refer to <i>Park/Neutral Position Switch Adjustment</i>. 5. If the adjustment is OK, replace the park/neutral switch. Refer to <i>Park/Neutral Position Switch Replacement</i>. Manual Transmission: 1. Inspect for an open circuit 33. Refer to <i>Circuit Testing</i> in Wiring Systems. 2. Inspect for faulty connections at the daytime running lamps module connector C2 terminal D and terminal E. Refer to <i>Testing for Intermittent and Poor Connections</i> in Wiring Systems. 3. Inspect Domestic and Gulf States vehicles for an open in circuit 1134 between the daytime running lamps (DRL) module and the park brake switch. Refer to <i>Circuit Testing</i> in Wiring Systems. 4. If the circuits and the connections are OK, replace the park brake switch. Is the repair complete?	—		
			Go to Step 27	
18	Inspect for and repair faulty connections at the rear compartment lid release actuator. Refer to <i>Testing for Intermittent and Poor Connections</i> and <i>Connector Repairs</i> in Wiring Systems. Did you find and repair a faulty connection?	—	Go to Step 27	Go to Step 19
19	Replace the rear compartment lid release actuator. Refer to <i>Lock Actuator Replacement - Liftgate</i>. Did you complete the replacement?	—	Go to Step 27	
20	Repair an open in circuit 1550 between the rear compartment lid release actuator and splice S470. Refer to <i>Wiring Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to Step 27	
21	Connect a 20A fused jumper between the body control module (BCM) connector C2 terminal B and connector C3 terminal D4 momentarily. Refer to <i>Circuit Testing</i> in Wiring Systems. Did the rear compartment lid release operate?	—	Go to Step 25	Go to Step 26
22	Inspect for and repair an open in circuit 1576 between the body control module (BCM) and the rear compartment lid release switch. Refer to <i>Circuit Testing</i> and <i>Wiring Repairs</i> in Wiring Systems. Did you find and repair an open?	—	Go to Step 27	Go to Step 23

Rear Compartment Lid Release Inoperative (cont'd)

Step	Action	Value(s)	Yes	No
23	Inspect for and repair an open in circuit 650 between the rear compartment lid release switch and splice S216. Refer to <i>Circuit Testing and Wiring Repairs</i> in Wiring Systems. Did you find and repair an open?	—	Go to Step 27	Go to Step 24
24	Replace the rear compartment lid release switch. Refer to <i>Rear Compartment Lid Switch Replacement</i> . Did you complete the replacement?	—	Go to Step 27	—
25	Replace the body control module (BCM). Refer to <i>Body Control Module Replacement</i> in Body Control System. Did you complete the replacement?	—	Go to Step 27	—
26	Repair the open in circuit 253 between the body control module (BCM) and the rear compartment lid release relay. Refer to <i>Wiring Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to Step 27	—
27	Operate the system in order to verify the repair. Did you correct the condition?	—	System OK	Go to Step 3

Rear Lid Ajar Indicator Always On

Step	Action	Value(s)	Yes	No
1	Did you review the system operation and perform the necessary inspections?	—	Go to Step 2	Go to Symptoms - Body Rear End
2	Turn the ignition to the RUN position. Does the rear lid ajar indicator remain on after the bulb test?	—	Go to Testing for Intermittent and Poor Connections in Wiring Systems	Go to Step 3
3	Are the courtesy lamps always on?	—	Go to Courtesy Lamps Always On	Go to Step 4
4	Replace the instrument cluster. Refer to <i>IP Cluster Replacement</i> in Instrument Panel, Gauges and Console. Did you complete the replacement?	—	Go to Step 5	—
5	Operate the system in order to verify the repair. Did you correct the condition?	—	System OK	Go to Step 3

Rear Lid Ajar Indicator Inoperative

Step	Action	Value(s)	Yes	No
1	Did you review the system operation and perform the necessary inspections?	—	Go to Step 2	Go to Symptoms - Body Rear End
2	1. Turn the ignition to the RUN position. 2. Press the rear compartment lid release switch. 3. Ensure that the rear compartment lid opens. Does the rear lid ajar indicator turn on during the bulb test?	—	Go to Testing for Intermittent and Poor Connections in Wiring Systems	Go to Step 3
3	Open the rear compartment lid. Do the courtesy lamps illuminate?	—	Go to Step 4	Go to Courtesy Lamps Inop with Rear Compartment Lid Open
4	1. Remove the instrument cluster. 2. Open the rear compartment lid. 3. Connect a test lamp between the instrument cluster connector terminal B7 and terminal A10. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?	—	Go to Step 5	Go to Step 7
5	Test for and repair a poor connection at the instrument cluster connector terminal B7. Refer to <i>Testing for Intermittent and Poor Connections</i> and <i>Connector Repairs</i> in Wiring Systems. Did you find and repair a poor connection?	—	Go to Step 8	Go to Step 6
6	Replace the instrument cluster. Refer to <i>IP Cluster Replacement</i> in Instrument Cluster, Gauges and Console. Did you complete the replacement?	—	Go to Step 8	—
7	Repair the open in circuit 737 between the instrument cluster and S246. Refer to <i>Wiring Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to Step 8	—
8	Operate the system in order to verify the repair. Did you correct the condition?	—	System OK	Go to Step 3

Repair Instructions

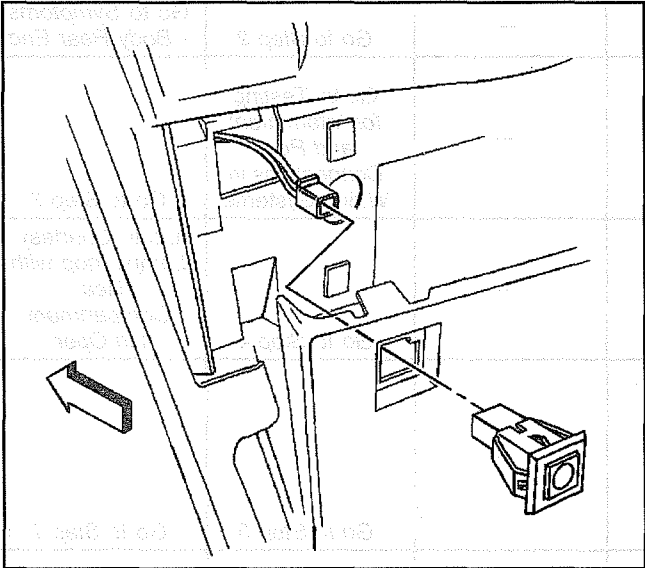
Rear Compartment Lid Switch Replacement

Removal Procedure

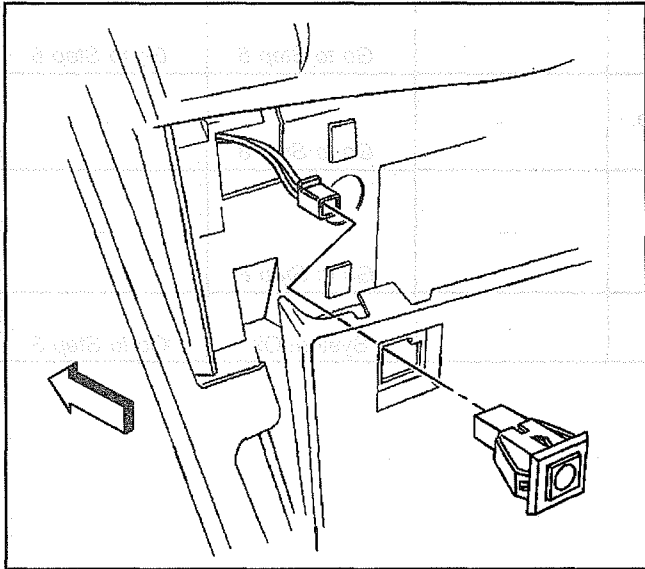
- 1. Remove instrument panel knee bolster. Refer to *Knee Bolster Replacement - Left in Instrument Panel, Gauges and Console.*
- 2. Instrument panel wiring harness connector from rear compartment lid release switch.
- 3. Switch from knee bolster.

Installation Procedure

- 1. Switch to knee bolster.
- 2. Instrument panel wiring harness connector to rear compartment lid release switch.
- 3. Install instrument panel knee bolster. Refer to *Knee Bolster Replacement - Left in Instrument Panel, Gauges and Console.*



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Trim Panel Replacement - Liftgate**Removal Procedure**

1. Open rear compartment lift window.
2. Unsnap and remove the (11) fasteners holding the inner cover from the rear compartment lift window.

Installation Procedure

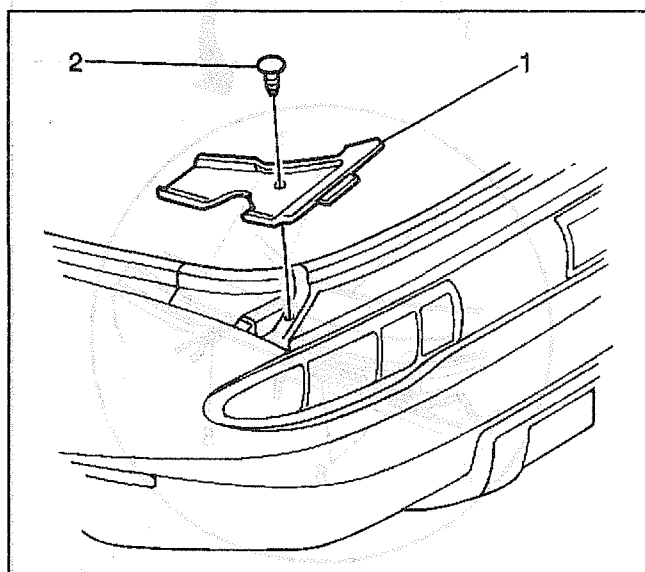
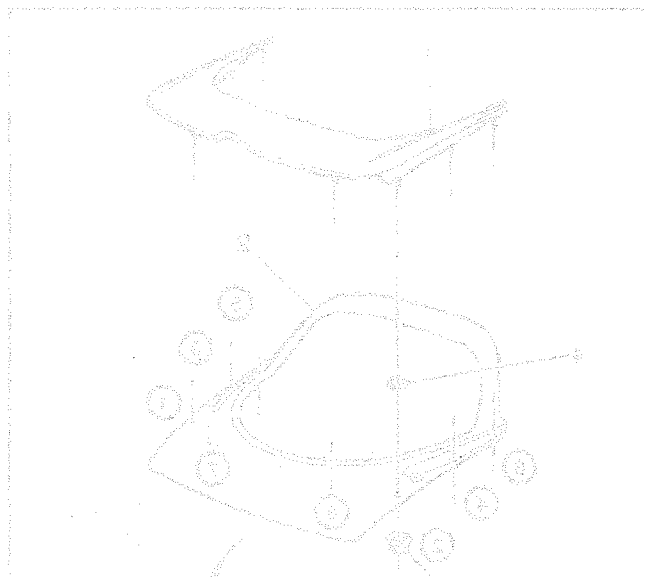
1. Open rear compartment lift window.
2. Line up inner cover trim panel with cutouts over struts.
3. Position and snap (11) fasteners to install the inner cover to the rear compartment lift window.
4. Install the quarter inner rear trim finishing panel. Refer to *Trim Panel Replacement - Cargo Area Side (Coupe)*.
5. Install the sunshade, if equipped. Refer to *Sunshade Panel Replacement*.

Trim Panel Opening Cover Replacement (Pontiac)**Removal Procedure**

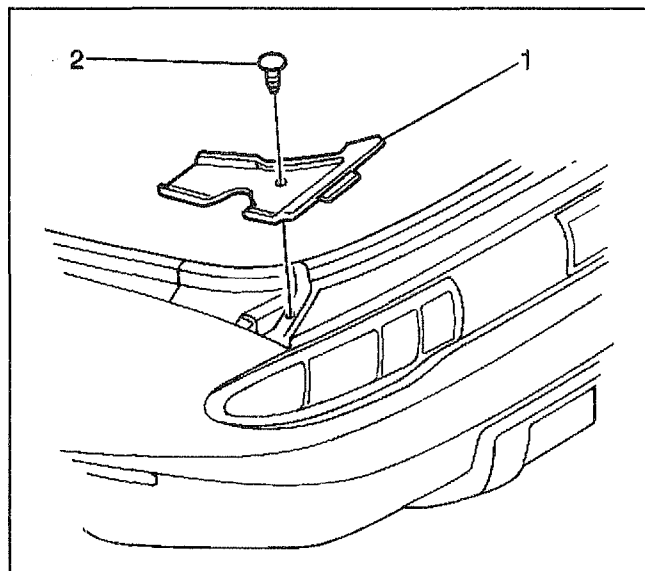
1. Remove the retainer (2).
2. Remove the filler (1).

Installation Procedure

1. Install the filler (1).
The tab on the filler is fitted under the flange on the taillamp housing.
2. Install the retainer (2).



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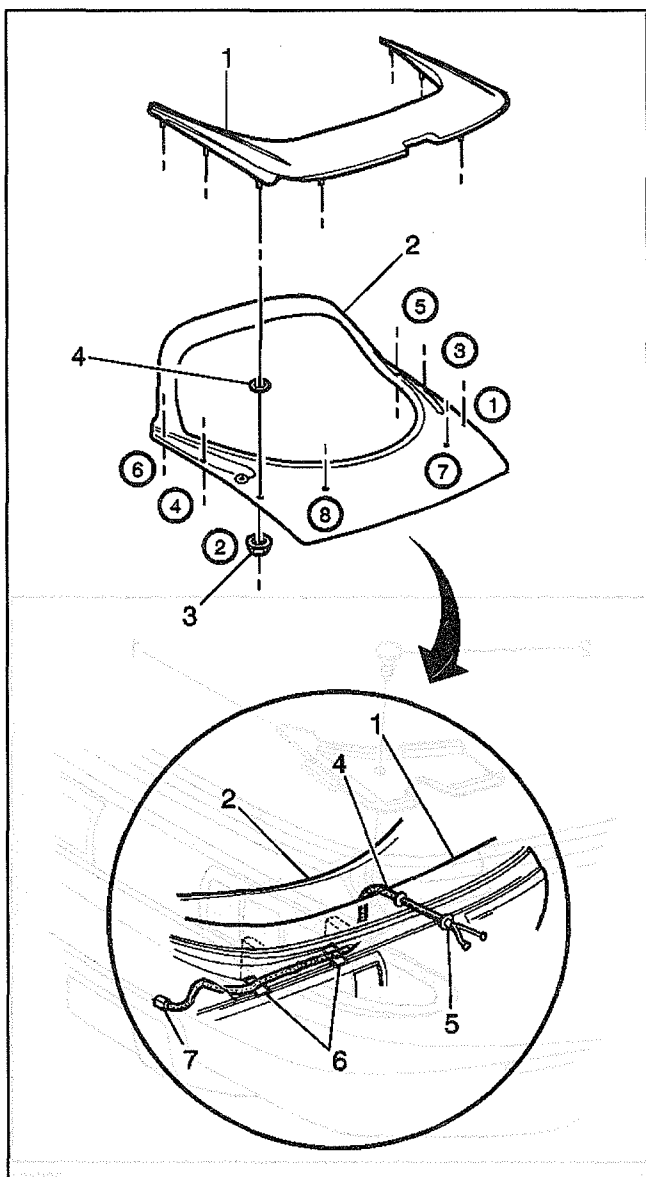


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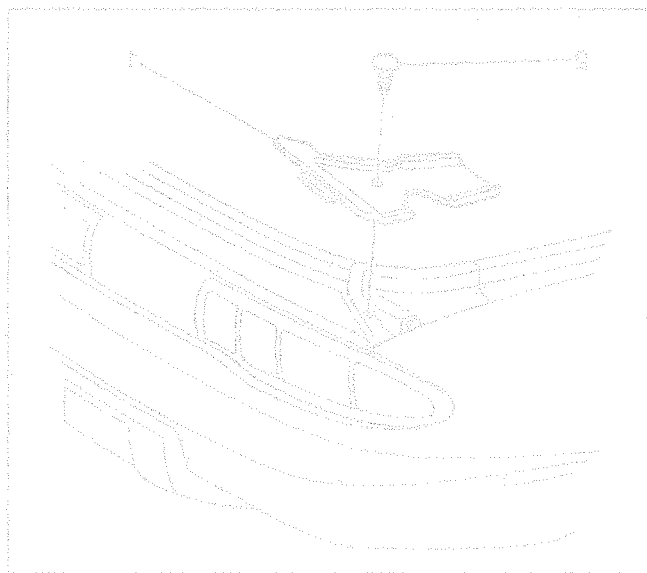
Spoiler Replacement - Rear (Pontiac Coupe)

Removal Procedure

1. Remove the rear compartment lift window inner panel cover. Refer to *Finish Panel Replacement - Upper Rear Trim*.
2. Remove the rear compartment lift window side finish moldings. Refer to *Lift Window Side Finish Moldings*.
3. Remove the high-mounted stoplamp. Refer to *High Mounted Stoplamp Replacement (Chevrolet)*.
4. Perform the following steps to remove the wiring extension from the spoiler:
 - 4.1. Disconnect the electrical connector (4).
 - 4.2. Remove the tape (7).
 - 4.3. From outside of the vehicle, pull the wiring extension from the spoiler (5).
5. Remove the nuts (3).
6. Remove the spoiler (1).
7. Remove the washers (4).



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Installation Procedure

1. Install the washers to the studs on the spoiler (4).
2. Install the spoiler (1).
3. Push the spoiler forward (1).

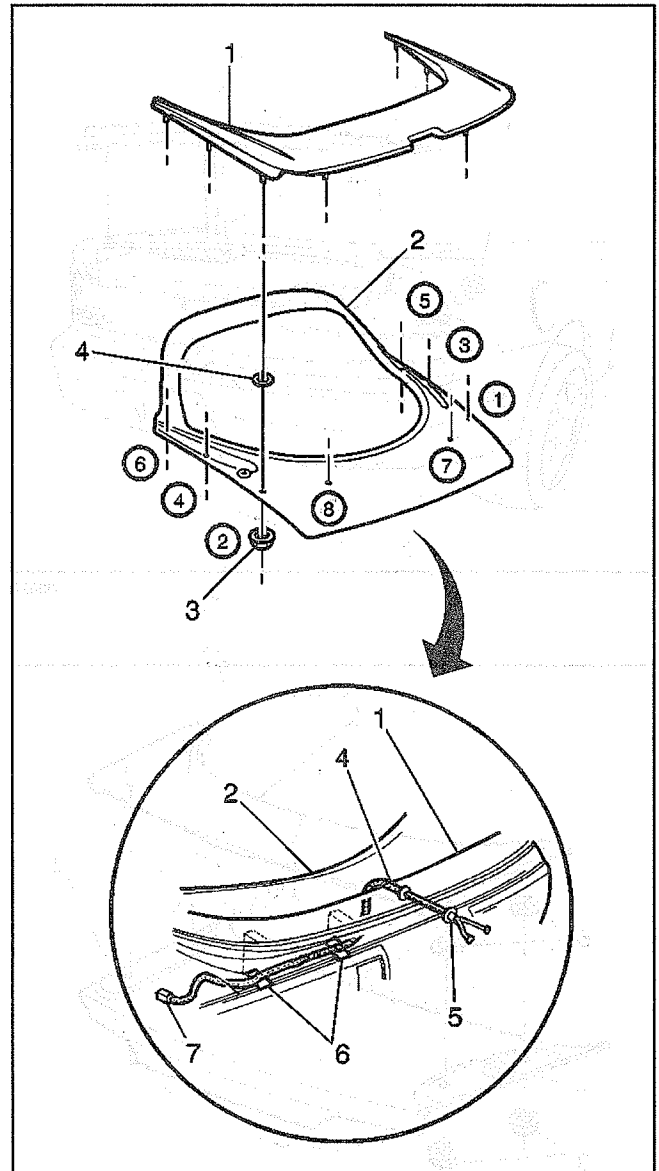
Notice: Refer to *Fastener Notice* in Cautions and Notices.

4. Install the nuts (3).

Tighten

Tighten the nuts in sequence to 6 N·m (53 lb in).

5. Perform the following steps in order to install the harness into the spoiler:
 - 5.1. Route the wiring extension through the spoiler (7).
 - 5.2. Pull on the wiring extension in order to seat the grommet.
 - 5.3. Connect the electrical connector (4).
 - 5.4. Tape the wiring extension to the window panel.
6. Install the high-mounted stoplamp. Refer to *High Mounted Stoplamp Replacement (Chevrolet)*.
7. Install the rear compartment lift window side finish moldings. Refer to *Lift Window Side Finish Moldings*.
8. Install the rear compartment lift window inner panel cover. Refer to *Finish Panel Replacement - Upper Rear Trim*.

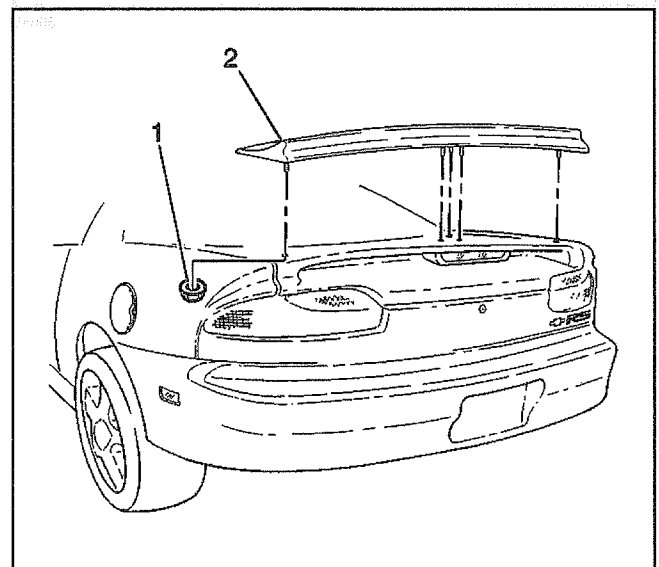


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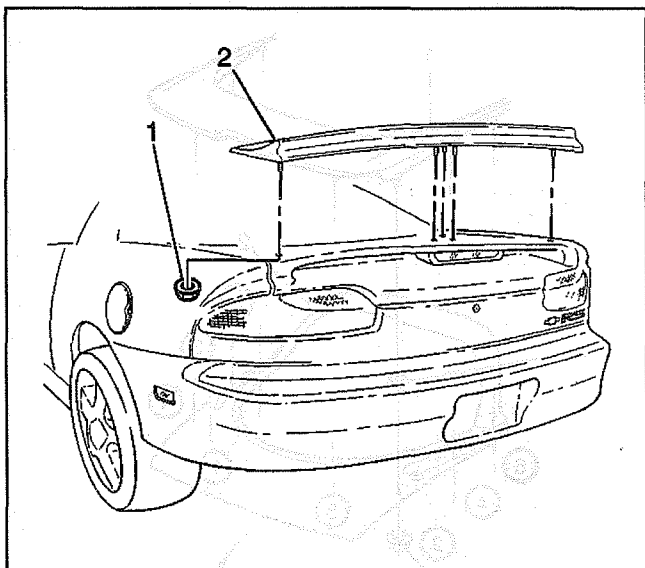
Spoiler Replacement - Rear (Chevy RS Coupe)

Removal Procedure

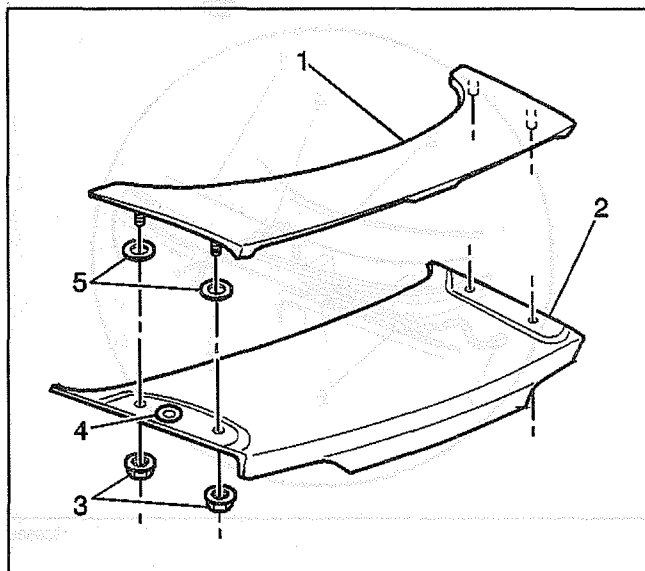
1. Remove the rear compartment lift window inner panel cover. Refer to *Finish Panel Replacement - Upper Rear Trim*.
2. Remove the high mount stoplamp from the rear end spoiler. Refer to *High Mounted Stoplamp Replacement (Chevrolet)*.
3. Remove the rear end spoiler from the rear compartment lift window panel.
4. Place the rear end spoiler upside down on a clean, smooth, soft surface.
5. Remove the nuts attaching the rear deck spoiler to the rear end spoiler (1).
6. Remove the rear deck spoiler (2).



330627



330627



330645

Installation Procedure

1. Install the rear deck spoiler.

Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the nuts attaching the rear deck spoiler to the rear end spoiler (1).

Tighten

Tighten the nuts to 8.5 N·m (75 lb in).

3. Install the rear end spoiler to the rear compartment lift window panel.
4. Place the rear end spoiler onto the rear compartment lift window panel (2).
Do not scratch the paint surface.
5. Install the high mount stoplamp to the rear compartment lift window panel. Refer to *High Mounted Stoplamp Replacement (Chevrolet)*.
6. Install the rear compartment lift window inner panel cover. Refer to *Finish Panel Replacement - Upper Rear Trim*.

Spoiler Replacement - Rear (Convertible and Chevy Coupe)

Removal Procedure

1. Remove the high-mounted stoplamp. Refer to *High Mounted Stoplamp Replacement (Chevrolet)*.
2. Perform the following steps to remove the wiring extension from the spoiler:
 - 2.1. Disconnect the electrical connector.
 - 2.2. Remove the tape.
 - 2.3. From outside of the vehicle, pull the wiring extension from the spoiler.
3. Remove the nuts (3).
4. Remove the spoiler (2).
5. Remove the washers (5).
6. Remove the seal (4).

Installation Procedure

1. Install the seal (4).
2. Install the washers (5).
3. Install the spoiler (2).

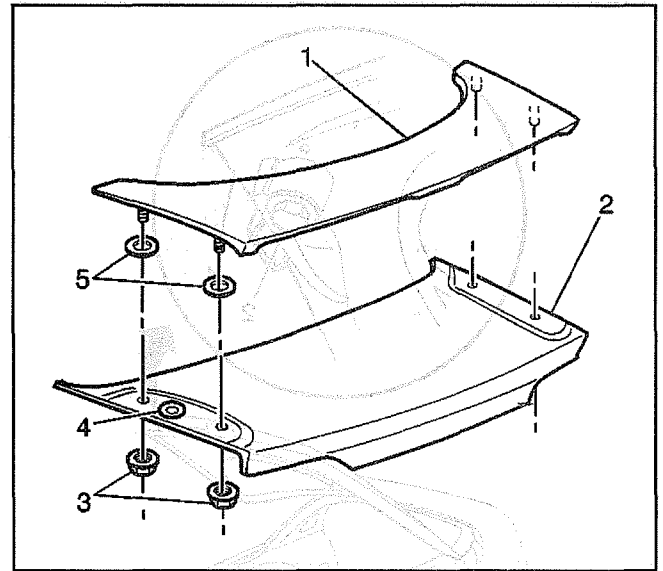
Notice: Refer to *Fastener Notice* in Cautions and Notices.

4. Install the nuts (3).

Tighten

Tighten the nuts to 6 N·m (53 lb in).

5. Perform the following steps in order to install the harness into the spoiler:
 - 5.1. Route the wiring extension through the spoiler.
 - 5.2. Connect the electrical connector.
 - 5.3. Tape the wiring extension to the lid panel.
6. Install the high-mounted stoplamp. Refer to *High Mounted Stoplamp Replacement (Chevrolet)*.



330645

Fuel Filler Door Replacement**Removal Procedure**

1. Remove the fuel tank filler pocket. Refer to *Fuel Filler Pocket Replacement*.
2. Install the fuel tank filler cap.
3. Drill out the 4 rivets.
4. Remove the fuel tank filler door.
Pry back the sound insulating material around the filler door hinge, as needed.

Installation Procedure

1. Install the fuel tank filler door.
2. Alternately install the 4 rivets from top to bottom.
3. Remove the fuel tank filler cap.
4. Install the fuel tank filler pocket. Refer to *Fuel Filler Pocket Replacement*.

Fuel Filler Pocket Replacement**Removal Procedure**

1. Open the fuel tank filler door.
2. Remove the fuel tank cap.
3. Remove the fuel tank filler pocket bolts.
4. Remove the fuel tank filler pocket.

Installation Procedure

1. Install the fuel tank filler pocket.

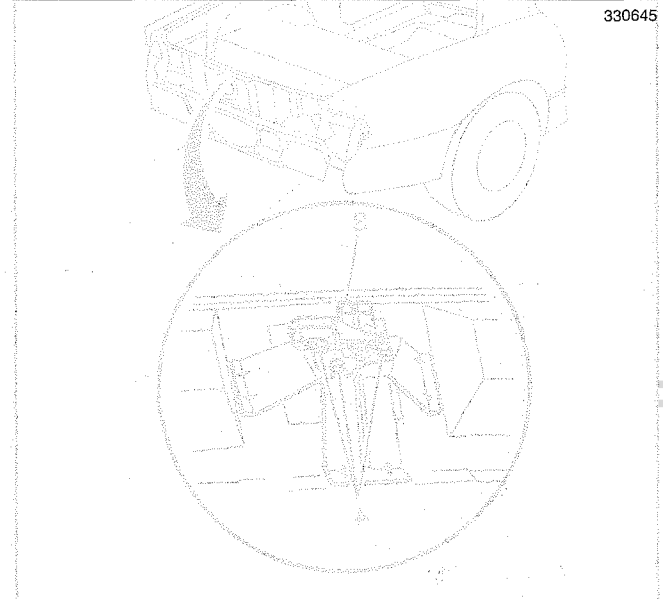
Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the fuel tank filler pocket bolts.

Tighten

Tighten the bolts to 1.9 N·m (17 lb in).

3. Install the fuel tank cap.
4. Close the fuel tank filler door.



616002

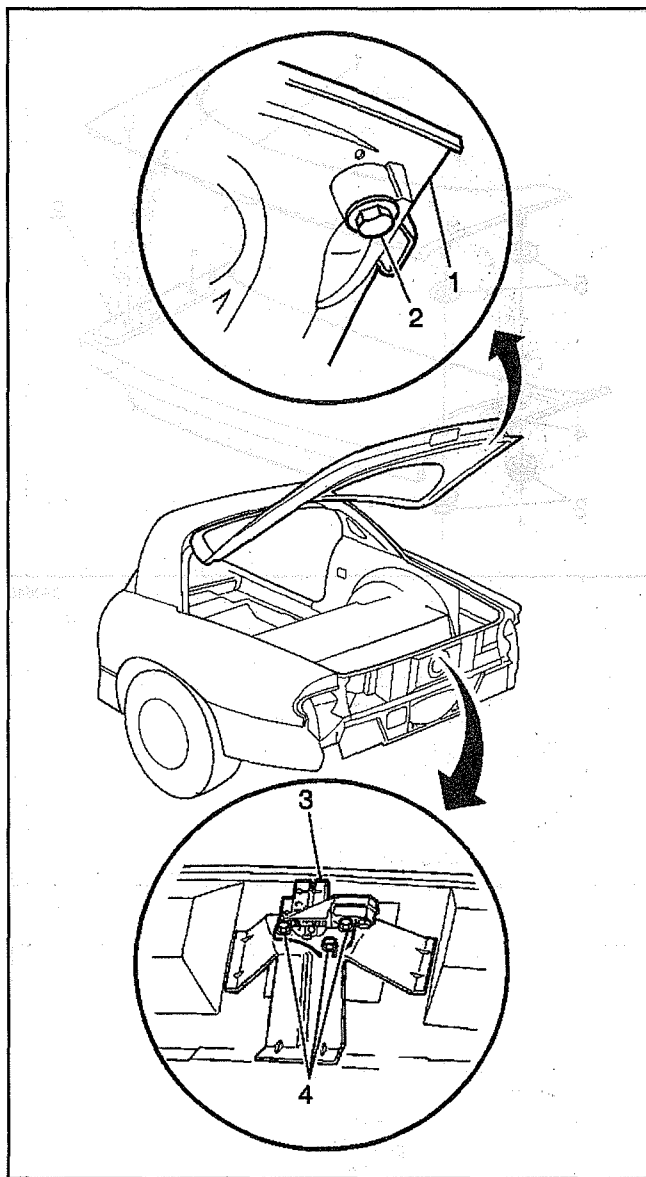
Lift Window Panel Adjustment - Rear

Notice: Refer to *Fastener Notice* in Cautions and Notices.

1. Perform the following steps in order to adjust the window panel flush to the quarter outer panel:
 - 1.1. Center the window in the opening.
 - 1.2. Open the window panel.
 - 1.3. Move the rear compartment trim as needed. Refer to *Trim Panel Replacement - Liftgate*.
 - 1.4. Loosen the bolts.
 - 1.5. Close the window panel.
 - 1.6. Move the window panel as needed.
 - 1.7. Tighten the bolts.

Tighten

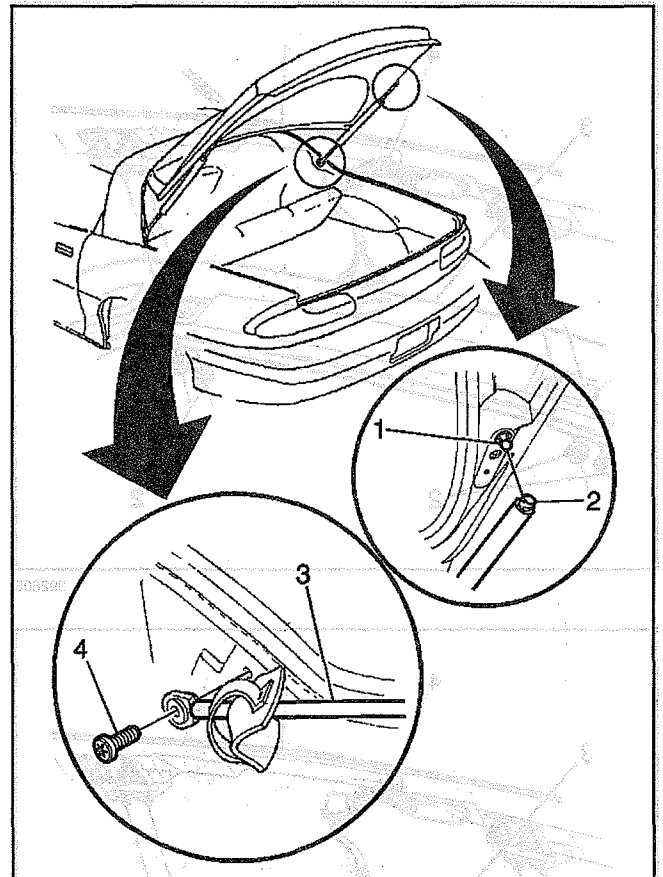
2. Tighten the bolts to 10 N·m (89 lb in).
3. Adjust the window panel flush to the quarter trim finish panel.
4. Loosen or tighten the bumpers as needed (2).



330529

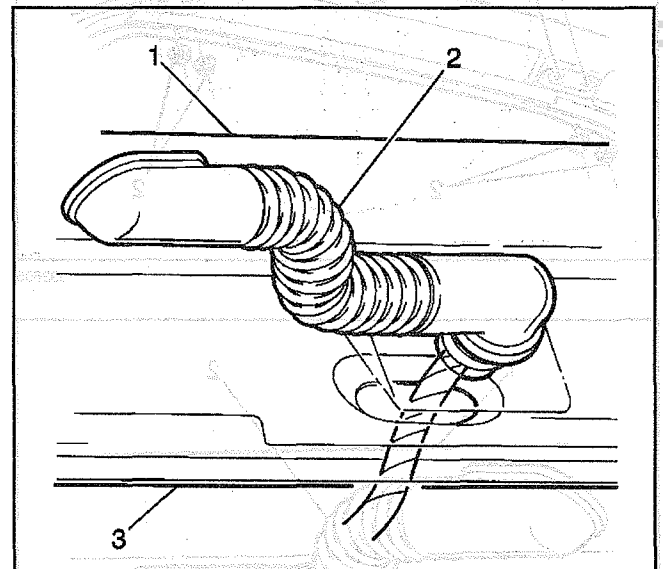
Lift Window Panel Replacement - Rear**Removal Procedure**

1. Raise and support the liftgate window panel.
2. Remove the headliner trim finishing panel. Refer to *Hard Top Headliner Replacement*.
3. Remove the liftgate strut ends (2) from the liftgate mounts (1) and allow the struts to rest in the rear compartment.

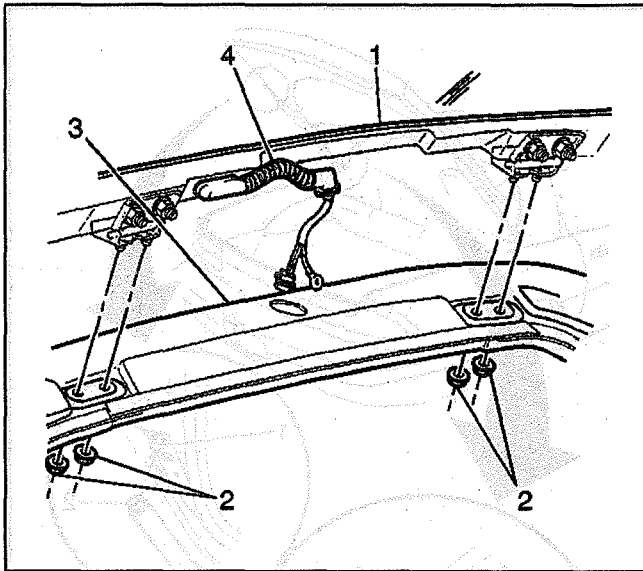


392580

4. Remove the harness conduit (2) from the vehicle body (3).



330518



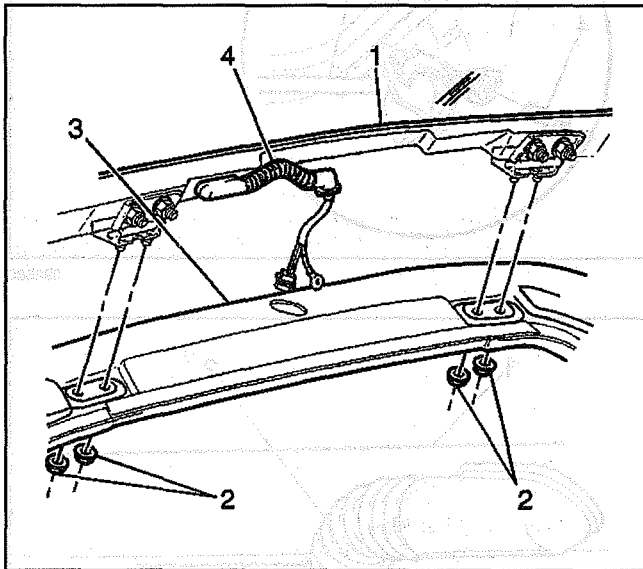
392605

5. Disconnect the liftgate electrical connectors (4) from the body harness.

6. Remove the nuts (2) from the liftgate studs (1).

Important: When replacing the liftgate panel, remove the hinges and the spoiler and transfer to the new assembly.

7. Remove the gaskets from the hinges and remove the liftgate from the vehicle.



392605

Installation Procedure

1. Install the gaskets to the hinges.

2. Align the studs on the hinges with the holes and install the liftgate to the vehicle. Support the front of the liftgate until the struts are reattached.

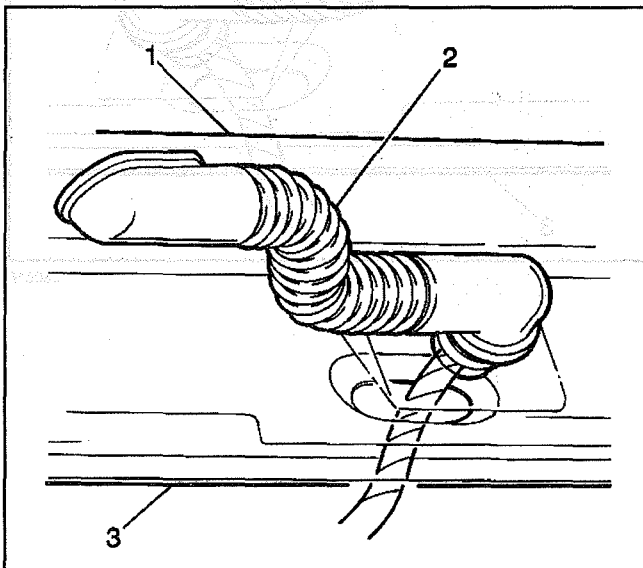
Notice: Refer to *Fastener Notice* in Cautions and Notices.

3. Install the nuts (2).

Tighten

Tighten the nuts to 25 N·m (18 lb ft).

4. Connect the liftgate electrical connectors (4) to the body harness.



330518

5. Reinstall the harness conduit by performing the following steps:

5.1. Route the harness (4).

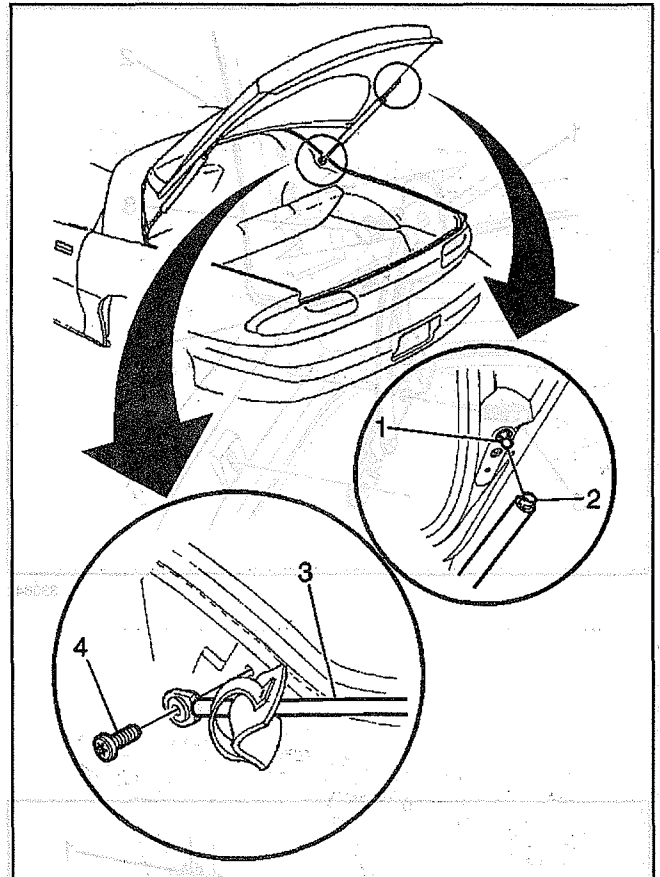
5.2. Apply a soap solution to the grommet (2).

5.3. Seat the conduit at the window panel and roof frame (1).

6. Install the liftgate strut ends (2) to the liftgate mounts (1).

Important: A snap should be heard when the strut ends are fully seated. Verify that the strut ends are securely installed by tugging firmly on the strut ends.

7. Install the headliner trim finishing panel. Refer to *Hard Top Headliner Replacement*.



392580

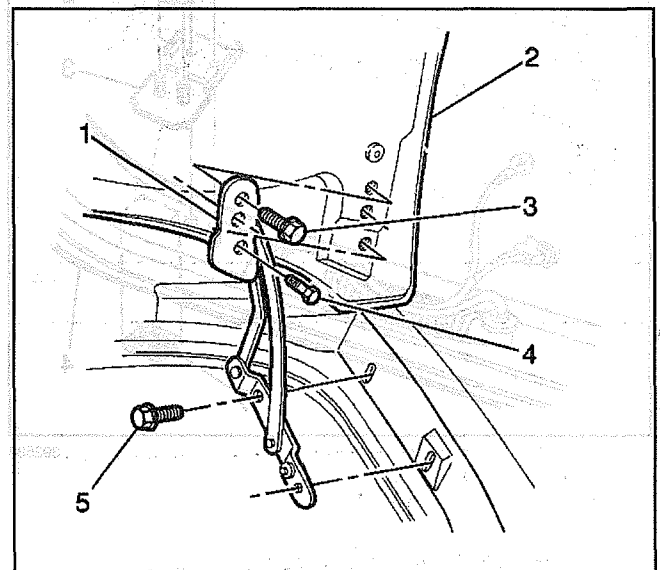
Compartment Lid Replacement - Rear (Convertible)

Removal Procedure

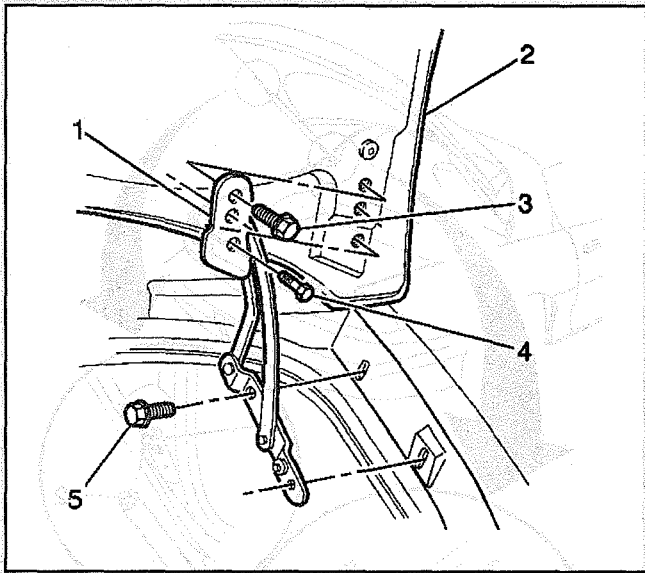
1. Raise and support the lid panel (2) and remove the plastic cap.
2. Disconnect the electrical connectors.
3. Remove the struts at the rear compartment lid panel. Refer to *Strut Replacement - Rear Lift Window Panel*.
4. Remove the adjustment bumper bolt.
5. Remove the bolts (5).

Important: If you are replacing the rear compartment lid panel, remove the spoiler and harness. Refer to *Spoiler Replacement - Rear (Convertible and Chevy Coupe)*.

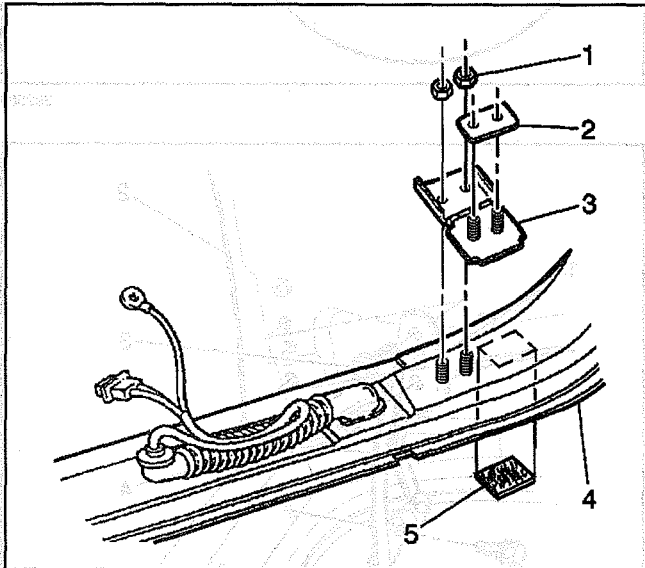
6. Remove the lid panel (2).



330642



330642



392584

Installation Procedure

1. Install the lid panel (2).

Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the bolts.

Tighten

Tighten the bolts to 25 N·m (18 lb ft).

3. Install the adjustment bumper bolt (5).

Tighten

Tighten the adjustment bumper bolt to 25 N·m (18 lb ft).

4. Install the struts at the rear compartment lid panel. Refer to *Strut Replacement - Rear Lift Window Panel*.
5. Connect the electrical connector.
6. Install the plastic cap.
7. Perform the following adjustments as needed on the rear compartment lid (2):
 - Fore or aft
 - Side to side
 - Front height
8. Loosen or tighten the bumpers as needed.

Hinge Replacement - Rear Lift Window Panel

Removal Procedure

1. Remove the rear compartment lift window panel. Refer to *Lift Window Panel Replacement - Rear*.
2. Remove the nuts (1).
3. Remove the hinges (3) and gaskets (2).

Installation Procedure

1. Install the hinges (3) and gaskets (2).

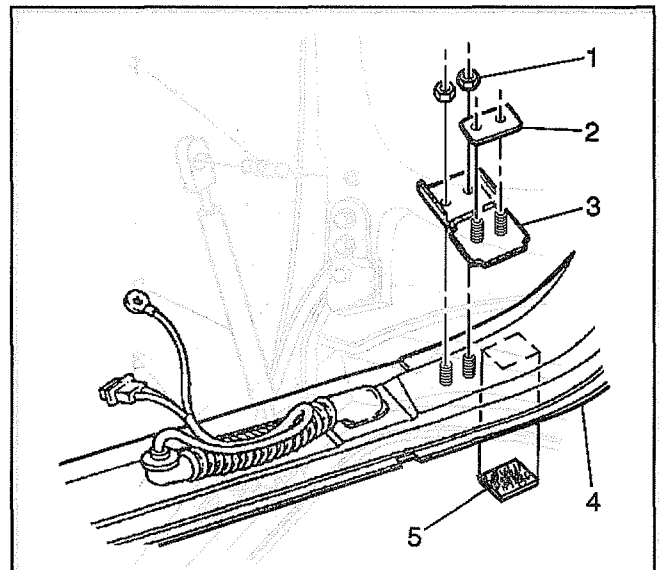
Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the nuts.

Tighten

Tighten the nuts to 42 N·m (31 lb ft).

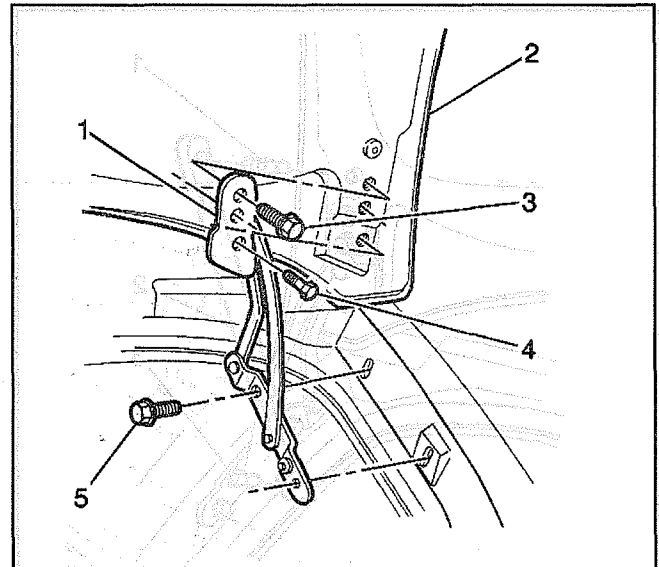
3. Install the rear compartment lift window panel. Refer to *Lift Window Panel Replacement - Rear*.



392584

Hinge Replacement - Rear Compartment Lid (Convertible)**Removal Procedure**

1. Remove the rear compartment lid panel. Refer to *Compartment Lid Replacement - Rear (Convertible)*.
2. Remove the bolts (4).
3. Remove the adjustment bumper bolt (5).
4. Remove the bolts (3).
5. Remove the hinges (1).



330642

Installation Procedure

1. Install the hinges.

Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the bolts.

Tighten

Tighten the bolts to 25 N·m (18 lb ft).

3. Install the adjustment bumper bolt (5).

Tighten

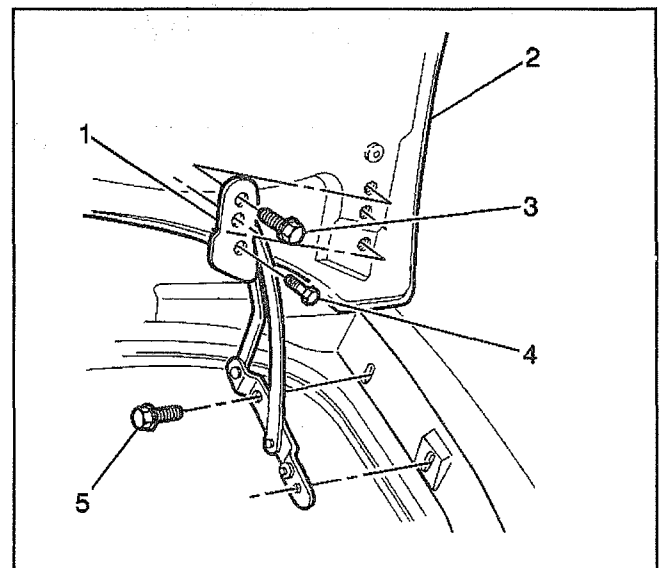
Tighten the bumper bolt to 25 N·m (18 lb ft).

4. Install the bolts (3).

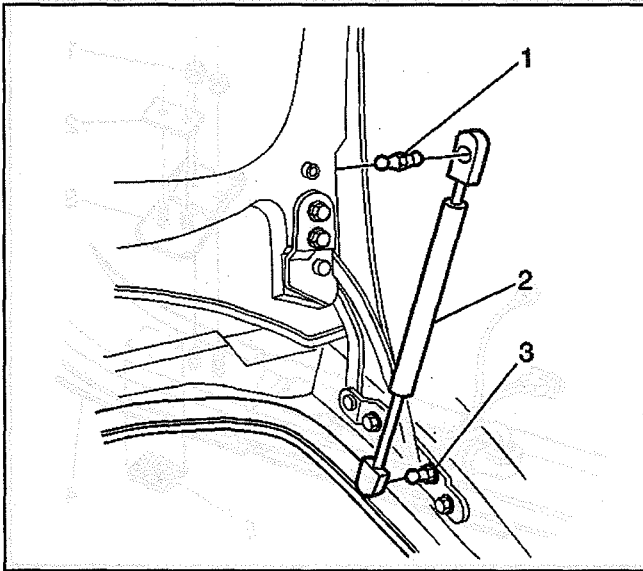
Tighten

Tighten the bumper bolt to 50 N·m (37 lb ft).

5. Install the rear compartment lid panel (2). Refer to *Compartment Lid Replacement - Rear (Convertible)*.



330642



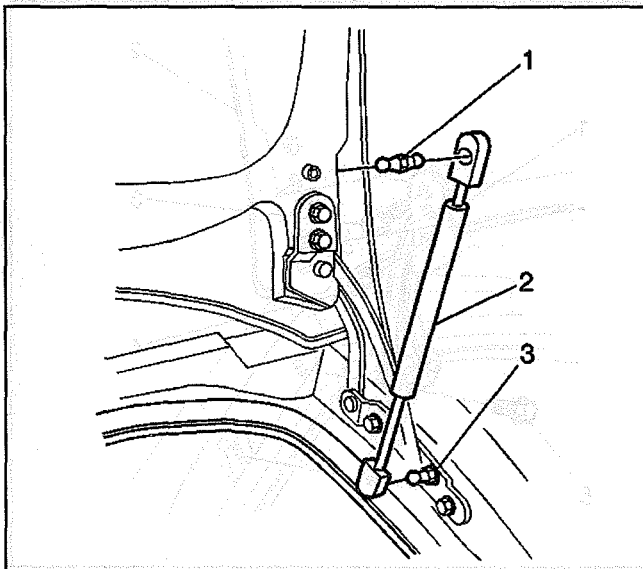
392598

Strut Replacement - Rear Lift Panel (Convertible)

Removal Procedure

1. Raise convertible rear trunk lid and support.
2. Remove rear lift panel strut (2) from both the rear trunk lid (1) and the rear body mounts (3) and remove from vehicle.

Important: A flat-blade screwdriver may be used if necessary to pry strut from mounts with care not to damage strut.

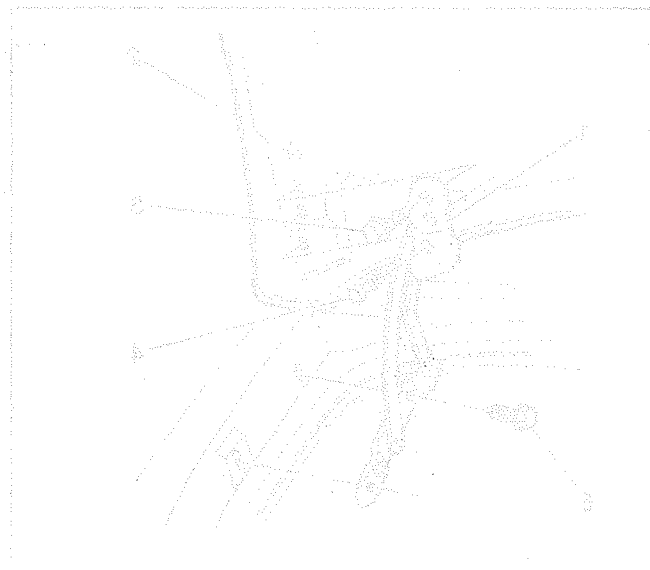


392598

Installation Procedure

Important: Ensure strut is securely mounted by firmly pressing into place on mounts (a snap should be heard) and then tug on strut to ensure that unit is securely installed.

1. Install rear lift panel strut (2) to both the rear trunk lid (1) and the rear body mounts (3).
2. Remove support and close convertible rear trunk lid



Installation Procedure

1. Install the hinges.
2. Install the roller.
3. Tighten the roller.
4. Tighten the roller.
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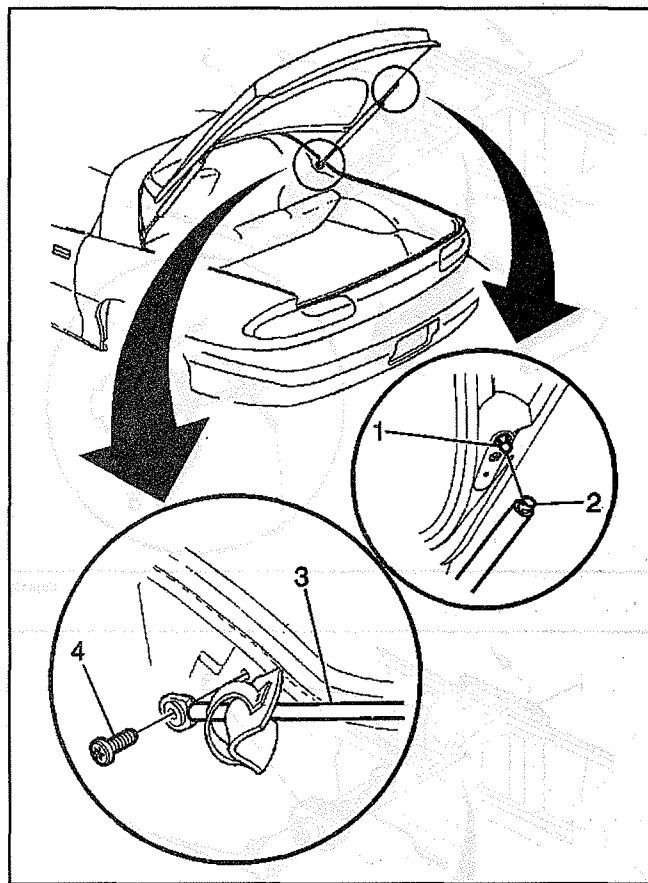
Strut Replacement - Rear Lift Window Panel

Removal Procedure

1. Raise coupé rear liftgate and support.
2. Remove bolt (4) from rear liftgate strut rod (3) and body.

Important: A flat-blade screwdriver may be used if necessary to pry strut from mount with care not to damage strut.

3. Remove rear lift panel strut (2) from the rear trunk lid mount (1) and remove from vehicle.



392580

Installation Procedure

1. Install rear lift panel strut (2) to the rear trunk lid mount (1).

Notice: Refer to *Fastener Notice* in Cautions and Notices.

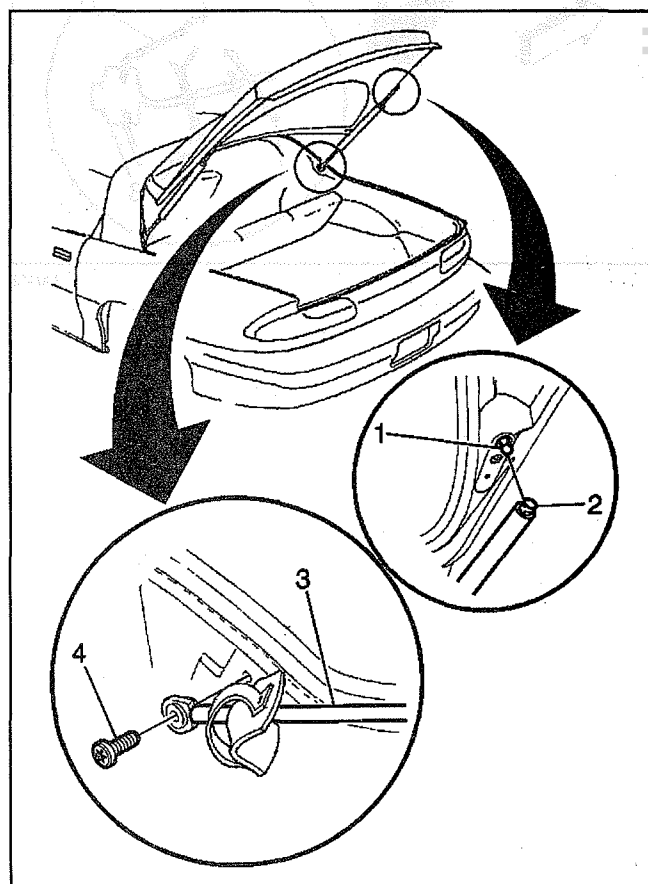
Important: Ensure that strut end “snaps” into place then tug on strut end to ensure it is securely installed.

2. Install bolt (4) to rear liftgate strut rod (3) and body.

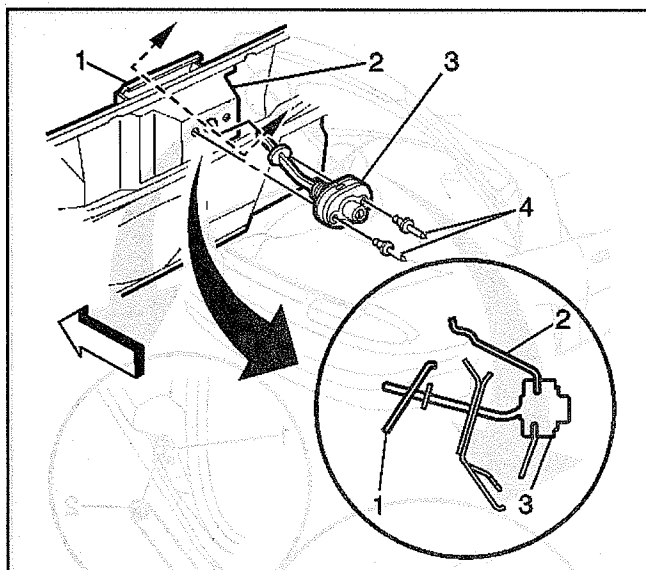
Tighten

Tighten the bolt (4) to 27 N·m (20 lb ft).

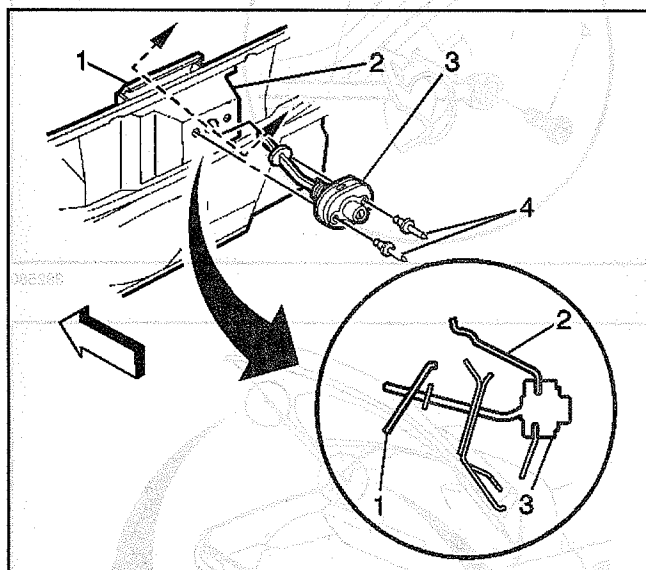
3. Remove support and close liftgate.



392580



330412



330412

Lock Cylinder Replacement - Liftgate

Removal Procedure

1. Open the window panel.
2. For Chevrolet only, remove the rear end finish panel. Refer to *Panel Replacement - Rear End (Chevrolet)*.
3. For Pontiac only, remove the taillamp filler. Refer to *Panel Replacement - Rear End (Pontiac)*.
4. Remove the rivets (4).
5. Remove the lock cylinder (3).

Installation Procedure

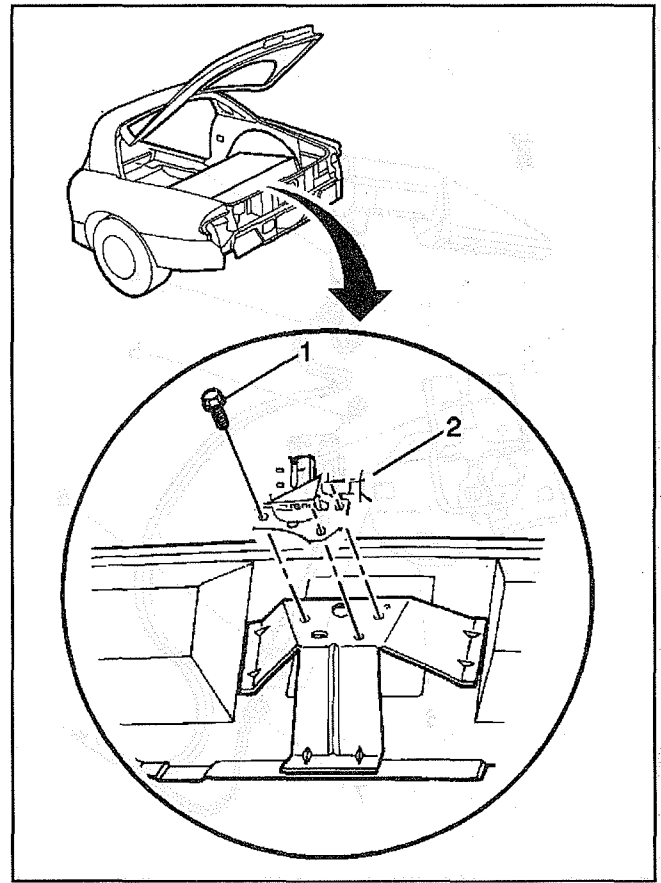
Important: Position the tan dot on the lock cylinder upward when installing the lock cylinder.

1. Install the lock cylinder (3).
Guide the lock cylinder shaft through the hole in the rear end panel into the hole in the lock support.
2. Align the lock cylinder.
3. Install the right rivet (4).
4. Install the left rivet (4).
5. For Pontiac only, install the tail lamp filler. Refer to *Panel Replacement - Rear End (Pontiac)*.
6. For Chevrolet only, install the rear end finish panel. Refer to *Panel Replacement - Rear End (Chevrolet)*.

Latch Replacement - Endgate

Removal Procedure

1. Open the window panel.
2. Remove the rear compartment trim as needed. Refer to *Trim Panel Replacement - Liftgate*.
3. Disconnect the rear compartment lid release switch electrical connector. Refer to *Rear Compartment Lid Switch Replacement*.
4. Disconnect the rear compartment lid lock release actuator secondary lock retainer and electrical connector. Refer to *Lock Actuator Replacement - Liftgate*.
5. Remove the endgate latch bolts (1).
6. Remove the latch (2).



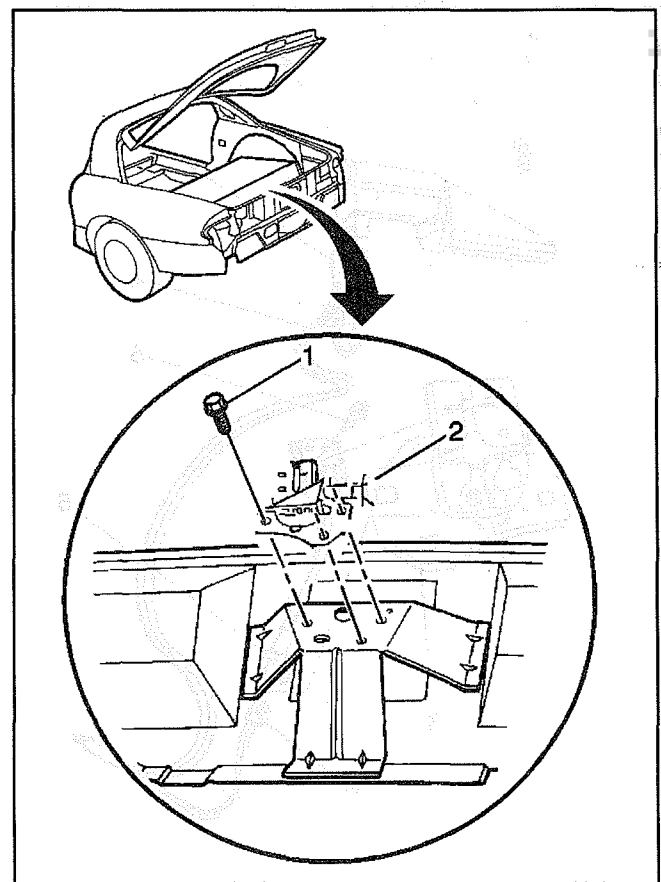
330416

Installation Procedure

1. Install the latch (2).
Align the holes in the latch with the holes in the support.

Notice: Refer to *Fastener Notice* in Cautions and Notices.

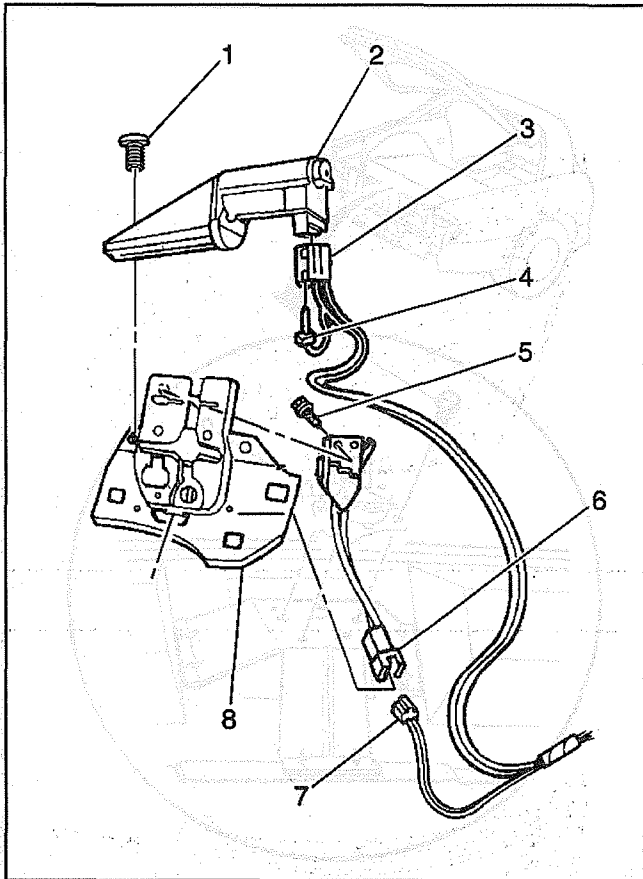
2. Install the endgate latch bolts (1).
Tighten
Tighten the bolt to 10 N·m (89 lb in).
3. Connect the rear compartment lid lock release actuator electrical connector and secondary lock retainer. Refer to *Lock Actuator Replacement - Liftgate*.
4. Install the rear compartment trim. Refer to *Trim Panel Replacement - Liftgate*.



330416

Lock Actuator Replacement - Liftgate**Removal Procedure**

1. Open the window panel.
2. Remove the rear compartment trim, as needed. Refer to Rear Compartment Trim.
3. Remove the secondary lock retainer from the actuator (2).
4. Disconnect the electrical connector from the actuator (3).
5. Remove the bolt (1).
6. Remove the actuator from the latch (2).



330424

Installation Procedure

1. Install the actuator.

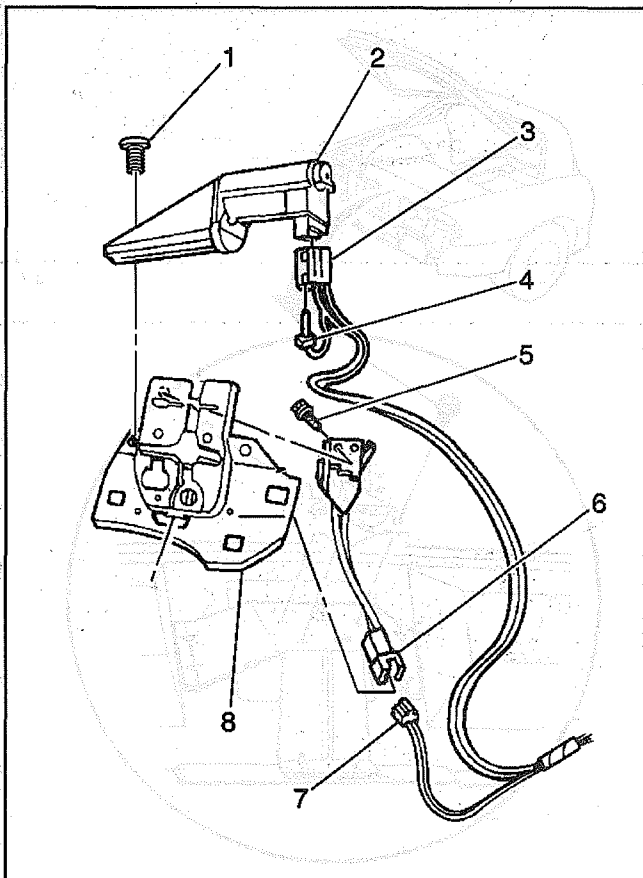
Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the bolts (1).

Tighten

Tighten the bolts to 10 N·m (89 lb in).

3. Connect the electrical connector to the actuator (3).
4. Install the secondary lock retainer (2).
5. Install the rear compartment trim. Refer to Rear Compartment Trim.

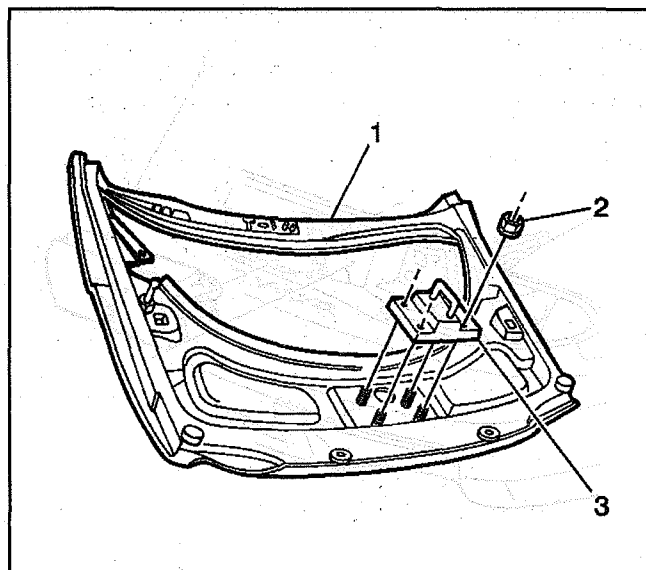


330424

Lock Striker Replacement - Rear Compartment Lid

Removal Procedure

1. Open the window panel.
2. Remove the rear compartment lift window inner panel cover. Refer to *Finish Panel Replacement - Upper Rear Trim*.
3. Remove the nuts.
4. Remove the striker.



330417

Installation Procedure

1. Install the striker.

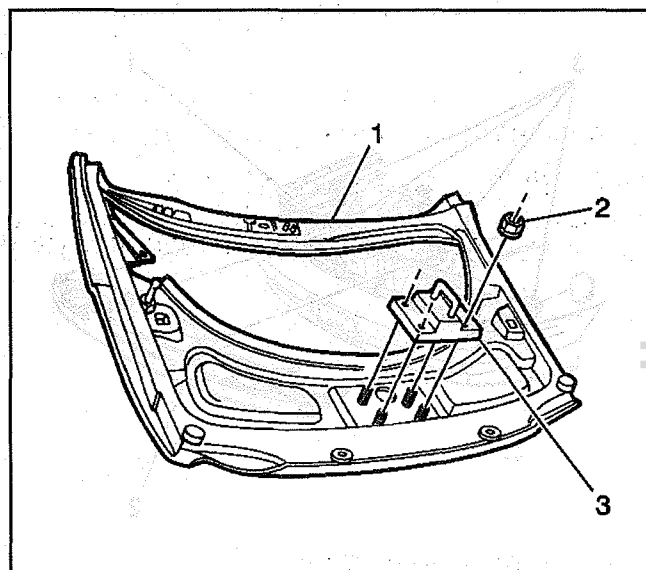
Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the nuts.

Tighten

Tighten the nuts to 10 N·m (89 lb in).

3. Install the rear compartment lift window inner panel cover. Refer to *Finish Panel Replacement - Upper Rear Trim*.
4. Inspect the window panel operation. Adjust as needed. Refer to *Lift Window Panel Adjustment - Rear*.

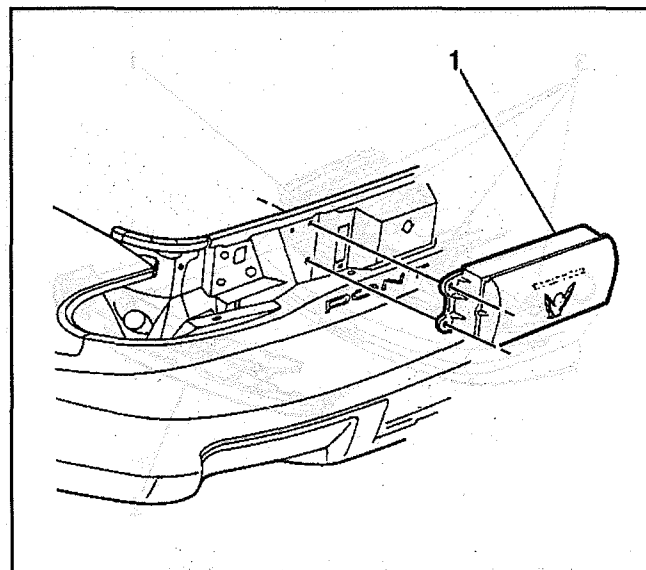


330417

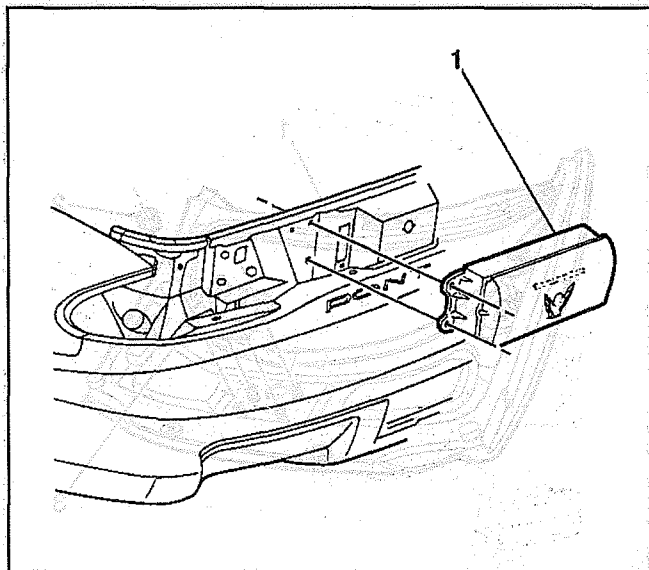
Panel Replacement - Rear End (Pontiac)

Removal Procedure

1. Remove the taillamps. Refer to *Tail Lamp Replacement (Pontiac)* in Lighting Systems.
2. Remove the filler (1).



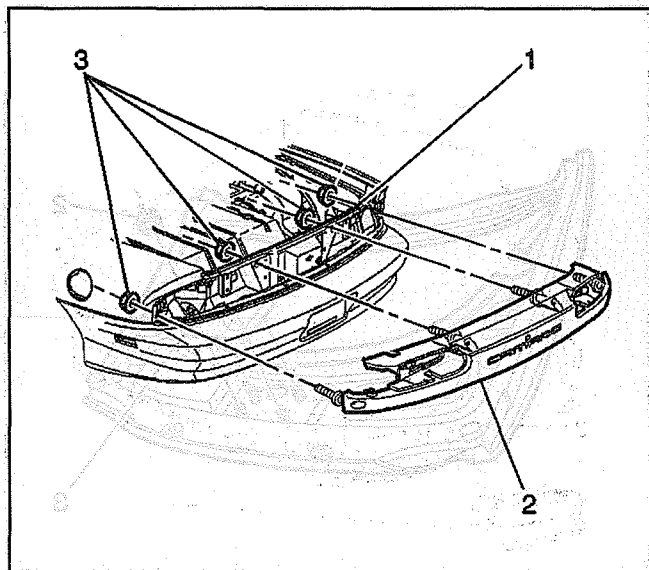
330458



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Installation Procedure

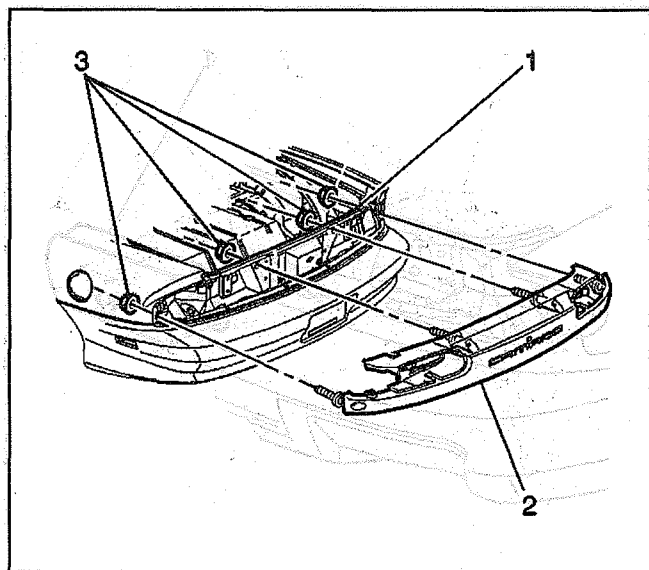
1. Install the filler (1).
2. Install the taillamps. Refer to *Tail Lamp Replacement (Pontiac)* in Lighting Systems.



392249

Panel Replacement - Rear End (Chevrolet)**Removal Procedure**

1. Remove taillamp assemblies. Refer to *Tail Lamp Replacement (Chevrolet)* in Lighting Systems.
2. Remove rear end panel retainers (3) (plastic nuts) from the cargo compartment interior.
3. Remove rear end panel (2) from body support (1).



392249

Installation Procedure

1. Install rear end panel (2) to body support (1).

Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install rear end panel retainers (3) (plastic nuts) to the cargo compartment interior.

Tighten

Tighten the retainers (3) until seated but not stripped.

3. Install taillamp assemblies. Refer to *Tail Lamp Replacement (Chevrolet)* in Lighting Systems.

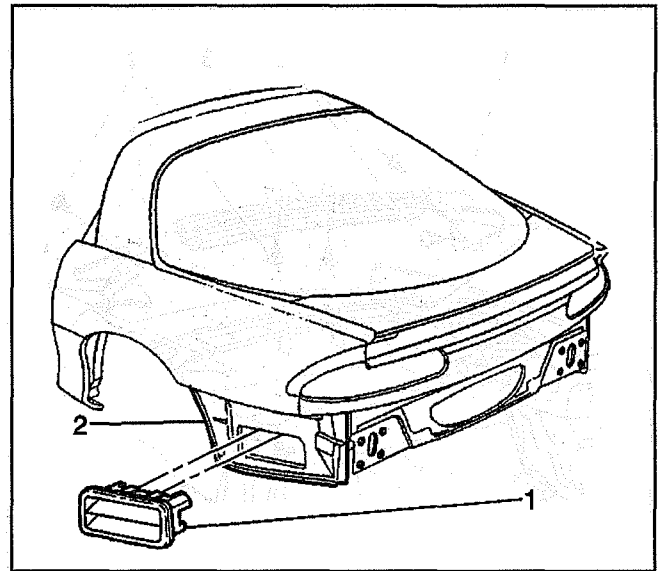
Pressure Relief Valve Replacement

Removal Procedure

1. Remove rear bumper fascia. Refer to *Fascia Replacement - Rear Bumper (Chevrolet)* for Chevrolet vehicles and *Fascia Replacement - Rear Bumper (Pontiac)* for Pontiac vehicles.
2. Remove or pull back driver-side rear carpet (cargo area) to expose pressure relief valve.

Important: Do not pry pressure relief valve from outside the vehicle as it may damage the mounting surface. Only remove valve from inside the vehicle.

3. Remove pressure relief valve by depressing retaining tabs on valve housing.



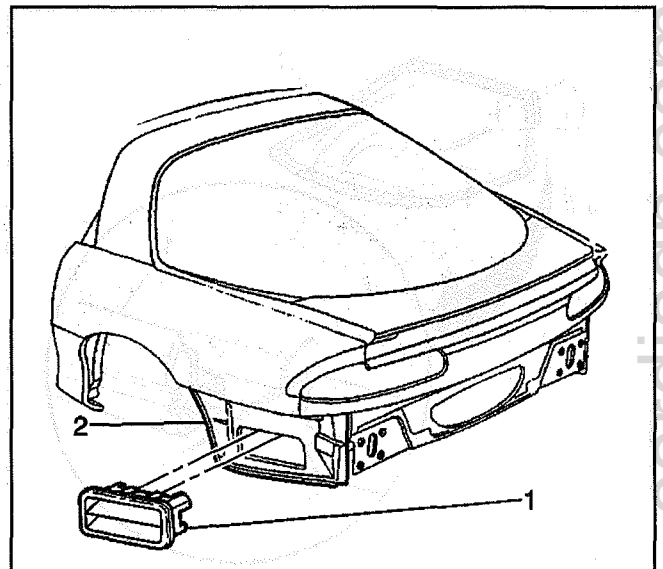
392595

Installation Procedure

1. Install pressure relief valve into body cavity.

Important: Ensure that pressure relief valve is fully seated allowing the housing tabs to expand behind sheet metal. Verify secure engagement by pulling lightly on valve to ensure it is secured.

2. Reinstall or reconfigure driver-side rear carpet (cargo area) to original location.
3. Install rear bumper fascia. Refer to *Fascia Replacement - Rear Bumper (Chevrolet)* for Chevrolet vehicles and *Fascia Replacement - Rear Bumper (Pontiac)* for Pontiac vehicles.

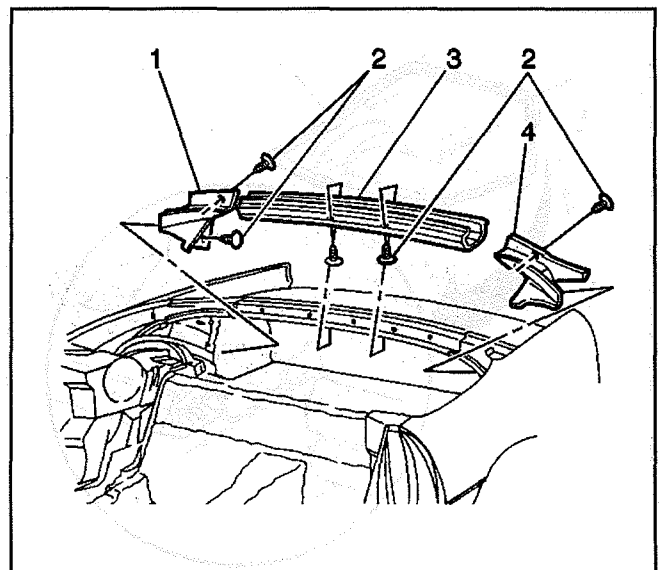


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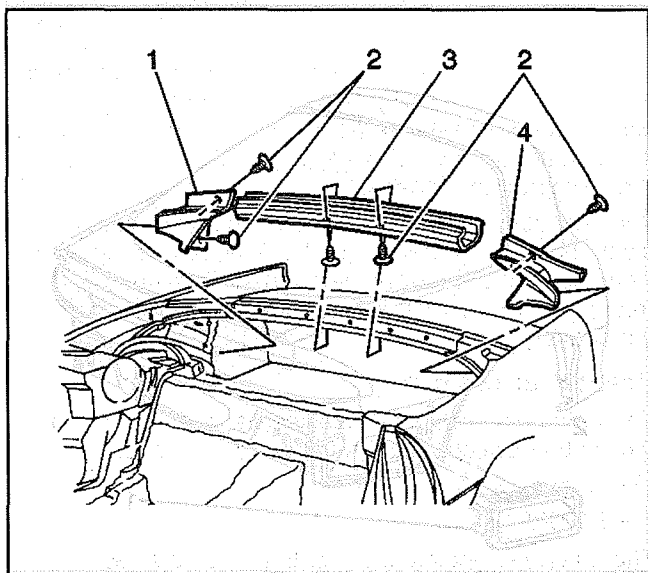
Garnish Molding Replacement - Liftgate (Convertible)

Removal Procedure

1. Remove the retainers (2).
2. Remove the right molding from the rear window drain panel garnish (1).
3. Remove the left molding from the rear window drain panel garnish (4).
4. Remove the rear window drain panel garnish molding (3).



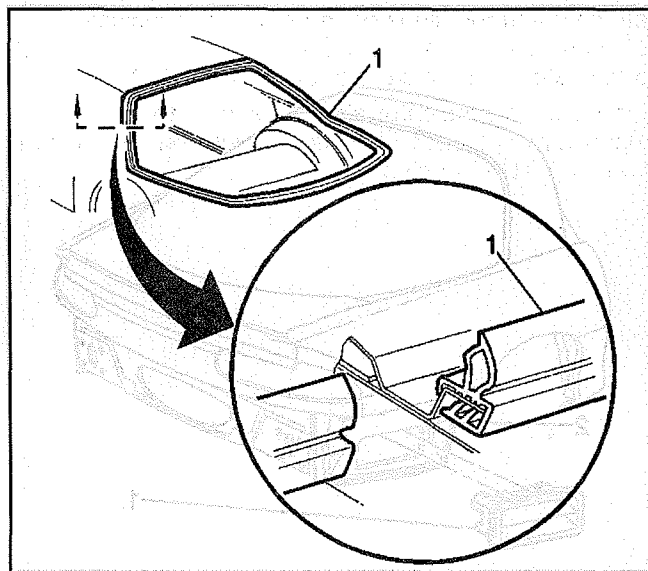
330468



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Installation Procedure

1. Install the rear window drain panel garnish molding (3).
2. Install the left molding to the rear window drain panel garnish (4).
3. Install the right molding to the rear window drain panel garnish (1).
4. Install the retainers (2).

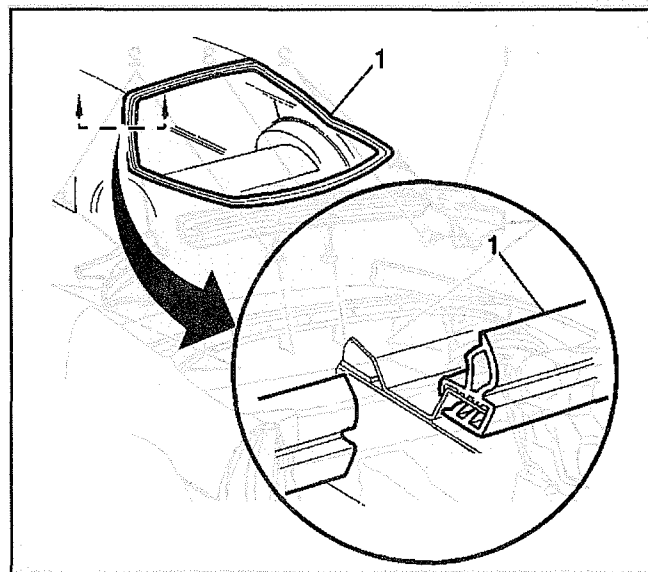


330421

Weatherstrip Replace - Rear Lift Window Opening

Removal Procedure

1. Peel the weather-strip from the flange in order to remove the weather-strip (1).
2. Clean the weather-strip sealer from the flange.
3. Support the window panel.
4. Remove the struts at the quarter inner roof panel. Refer to *Strut Replacement - Rear Lift Panel (Convertible)*.
5. Remove the weather-strip from the opening.



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Installation Procedure

1. Install the weather-strip into the opening (1).
2. Install the struts at the quarter inner roof panel. Refer to *Strut Replacement - Rear Lift Panel (Convertible)*.
3. Position the weather-strip to the top center of the flange.
4. Attach the upper corners. Attach from the corners to the center, across the top.
5. Attach the elbow areas. Attach from the elbow areas to the upper corners.
6. Attach the rear corners. Attach from the rear corners to the elbow areas.
7. Attach from the rear corners to the center, across the rear.
8. Roll the entire weather-strip to the seat.

Description and Operation

Body Rear End Description

This section contains the service operations necessary for the removal, installation, and adjustment of rear end components. Information relating to liftgate glass replacement and sealing can be found in stationary windows.

Rear Compartment Lid Release Circuit Description

The rear compartment lid release relay is controlled by the body control module (BCM). The rear compartment lid release is operated by pressing the rear compartment lid release switch inside the vehicle when the ignition switch is in the ACCY or RUN position.

Battery voltage is applied at all times from the PWR ACCY Fuse through circuit 640 to the normally open contacts of the rear compartment lid release relay from PWR ACCY Fuse 7.

When the rear compartment lid release switch is pressed, ground is applied from G200 through circuit 650, the switch and circuit 1576 to the rear compartment lid release signal input of the BCM. The BCM then applies voltage through circuit 253 to the rear compartment lid release relay coil.

Ground is applied to the relay coil through circuit 33 or circuit 816 under either of the following conditions:

- For automatic transmission, the park neutral position switch is in (P) Park or (N) Neutral
- For manual transmission, the park brake switch is closed

The normally open relay contacts close and voltage is applied from the relay through circuit 56 to the rear compartment lid release actuator. Ground is applied to the actuator from G400 through circuit 1550 and the rear compartment opens.

The rear compartment lid release actuator contains an electronic circuit breaker (ECB). The ECB resistance increases if the motor is overloaded. Resistance returns to normal after the voltage is removed from the actuator terminals.

Hatch Ajar Indicator

The hatch ajar indicator receives battery voltage with the ignition switch is in the following positions:

- RUN
- START

The hatch ajar indicator is controlled by the rear compartment lid ajar indicator switch. The rear compartment lid ajar indicator switch closes when the rear compartment lid is open or ajar. The indicator turns on when the switch closes and ground is applied to the hatch ajar indicator through circuit 737.

The hatch ajar indicator also illuminates for approximately 3 seconds when the ignition switch is in the BULB TEST position.

Refer to local paint supplier	Dynatron Dyna-Weld P/N 819 or equivalent (OE structural adhesive)	Adhesive bonding	Most right plastic parts
GM Dealer/Installer	GM Goodwrench Structural Bonding Epoxy (GM P/N 12345724 or equivalent)	Adhesive structural bonding	Most right plastic parts
Refer to local paint supplier or US Chemicals customer service 1-800-321-0872	US Chemicals and Plastics System 2000 Structural Adhesive P/N 880076 - 30 min P/N 880148 - 9 min	Adhesive bonding Structural bonding	Most right plastic parts
Ken-More 1-800-GM-TOOLS	Structural adhesive bonding may require the use of a pneumatic applicator, AG-3747B-A, or equivalent, to speed the application of the GM12345724 epoxy.		