

Vehicle Access

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Description and Operation

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1. BODY SYSTEMS
2. VEHICLE ACCESS
3. DESCRIPTION AND OPERATION
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Fuel Fill Door Description and Operation

The fuel filler door attaches to the fuel tank pocket on the right side of the vehicle.

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Power Door Locks Description and Operation

The power door locks use a solenoid that is contained in each door lock assembly. The door locks are activated by the actuator on the inside door handle or by the lock cylinder on the driver side door only. When the driver side door is locked or unlocked by the actuator or the lock cylinder, all doors are locked or unlocked accordingly.

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Rear Hatch/Gate Description and Operation

This vehicle is equipped with gas struts. The struts support the tailgate suitably when opening the tailgate.

The strut contains high pressure compressed gas. Therefore, be careful not to take apart, puncture, or apply heat or fire, because the strut may explode.

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Diagnostic Information and Procedures

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Symptoms - Vehicle Access

Note:

The following steps must be completed before using the symptom tables.

1. Perform the [Diagnostic System Check - Vehicle](#) before using the Symptom Tables in order to verify that all of the following are true:
2.
 - There are no DTCs set.
 - The control modules can communicate via the serial data link.
3. Review the system operation in order to familiarize yourself with the system functions. Refer to [Power Door Locks Description and Operation](#).

Visual/Physical Inspection

- Inspect for aftermarket devices which could affect the operation of the system. Refer to [Checking Aftermarket Accessories](#).
- 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 Conditions and Poor Connections](#).

Symptom List

Refer to the symptom diagnostic procedure in order to diagnose the symptom.

- [Door Ajar Indicator Malfunction](#)
- [Power Door Locks Malfunction](#)

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Door Ajar Indicator Malfunction

Diagnostic Instructions

- Perform the [Diagnostic System Check - Vehicle](#) prior to using this diagnostic procedure.
- Review [Strategy Based Diagnosis](#) for an overview of the diagnostic approach.
- [Diagnostic Procedure Instructions](#) provides an overview of each diagnostic category.

Diagnostic Fault Information

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
Door Ajar Switch Signal	1	2	2	â€”
Door Jamb Switch Ground	â€”	2	2	â€”
1. Door Ajar Indicator Always Illuminated				
2. Door Ajar Indicator Inoperative				

Circuit/System Description

Battery voltage is supplied at all times to the door ajar indicator the I/P fuse block. The door jamb switches are normally open when the door is fully closed. When a door is opened, the door jamb switch contacts close providing a path to ground for the door ajar indicator.

Circuit/System Verification

Observe the function of the door ajar indicator while opening and closing each door. The door ajar indicator should turn ON and OFF as each door is opened and closed.

Circuit/System Testing

1. Ignition OFF, disconnect the harness connector at the appropriate door jamb switch.
2. Ignition ON, verify the door ajar indicator is not illuminated.
3.
 - If the door ajar indicator is illuminated, test the control circuit terminalâ€” for a short to ground.
 - If the circuit tests normal, replace the IPC.
4. Connect a 10A fused jumper wire between the control circuit terminalâ€” and ground. Verify the door ajar indicator is illuminated.
5.
 - If the door ajar indicator is not illuminated, test the control circuit for an open/high resistance.
 - If the circuit tests normal, replace the IPC.
6. If all circuits test normal, test or replace the door jamb switch.

Repair Instructions

Perform the [Diagnostic Repair Verification](#) after completing the diagnostic procedure.

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Power Door Locks Malfunction

Diagnostic Instructions

- Perform the [Diagnostic System Check - Vehicle](#) prior to using this diagnostic procedure.
- Review [Strategy Based Diagnosis](#) for an overview of the diagnostic approach.
- [Diagnostic Procedure Instructions](#) provides an overview of each diagnostic category.

Diagnostic Fault Information

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
Door Lock/Unlock Relay B+	1	1	â€”	â€”
Door Lock Signal	2	2	2	â€”
Door Unlock Signal	2	2	2	â€”
Door Latch Control	1	1	1	â€”
Driver Door Lock Switch Ground	â€”	2	2	â€”
I/P Fuse Block Ground	â€”	1	1	â€”
1. Door Lock Malfunction				
2. Door Lock Switch Malfunction				

Circuit/System Description

The power door lock actuators are controlled through the door lock and unlock relays in the IP fuse block. While the relays are in the de-energized state, the actuator control circuits are grounded through the relays. When lock or unlock function is activated, the appropriate relay is energized and the control circuit is switched to battery voltage. The door lock relays are wired in parallel to the lock and unlock control circuits. Lock and unlock functions are determined by which control circuit is switched to battery voltage while the other remains grounded.

Circuit/System Verification

1. Command the door lock actuators to LOCK and UNLOCK by pressing the Lock and Unlock buttons on the remote keyless entry transmitter. The door lock actuators and liftgate lock actuator should LOCK and UNLOCK while changing between the commanded states.
2.
 - If one or more door lock actuators do not UNLOCK, refer to Door Unlock Relay Malfunction.
 - If one or more door lock actuators do not LOCK, refer to Door Lock Relay Malfunction.
3. Command the door lock actuators to LOCK and UNLOCK by using the driver door lock switch. The door lock actuators should LOCK and UNLOCK while changing between the commanded states.
4.
 - If the driver door lock switch does not command the LOCK or UNLOCK functions, refer to Door Lock Switch Malfunction.

Circuit/System Testing

Door Unlock Relay Malfunction

1. Ignition OFF, disconnect the DOOR UNLOCK relay.
2. Test for less than 1Î© between the ground circuit terminalâ€”A and ground.
3.
 - If greater than the specified range, test the ground circuit for an open/high resistance.

4. Ignition ON, verify that a test lamp does not illuminate between the control circuit terminalâ€%30 and ground.
5.
 - If the test lamp illuminates, test the control circuit for a short to voltage.
6. Verify that a test lamp illuminates between the B+ circuit terminalâ€%86 and ground.
7.
 - If the test lamp does not illuminate, test the B+ circuit for a short to ground or an open/high resistance.
8. Verify that a test lamp illuminates between the B+ circuit terminalâ€%87 and ground.
9.
 - If the test lamp does not illuminate, test the B+ circuit for a short to ground or an open/high resistance.
10. Connect a test lamp between the control circuit terminalâ€%85 and the B+ circuit terminalâ€%86.
11. Ignition ON, command the doors to UNLOCK by using the remote keyless entry transmitter. The test lamp should briefly illuminate during the UNLOCK command.
12.
 - If the test lamp is always OFF, test the control circuit for a short to voltage or an open/high resistance. If the circuit tests normal, replace the I/P fuse block.
 - If the test lamp is always ON, test the control circuit for a short to ground. If the circuit tests normal, replace the I/P fuse block.
13. Ignition OFF, connect the DOOR UNLOCK relay and disconnect the harness connector at the appropriate door lock actuator.
14. Test for less than 5Î© between the control circuit terminalâ€%B and ground.
15.
 - If greater than the specified range, test the control circuit for a short to voltage or an open/high resistance. If the circuits test normal, replace the DOOR UNLOCK relay.
16. Ignition OFF, connect a test lamp between the control circuit terminalâ€%A and ground.
17. Ignition ON, command the doors to UNLOCK by using the remote keyless entry transmitter. The test lamp should briefly illuminate when commanding the UNLOCK state.
18.
 - If the test lamp is always OFF, test the control circuit for a short to ground. If the circuit tests normal, test or replace the DOOR UNLOCK relay.
19. If all circuits test normal, test or replace the door lock actuator.

Door Lock Relay Malfunction

1. Ignition OFF, disconnect the DOOR LOCK relay.
2. Test for less than 1Î© between the ground circuit terminalâ€%87A and ground.
3.
 - If greater than the specified range, test the ground circuit for an open/high resistance.
4. Ignition ON, verify that a test lamp does not illuminate between the control circuit terminalâ€%30 and ground.
5.
 - If the test lamp illuminates, test the control circuit for a short to voltage.
6. Verify that a test lamp illuminates between the B+ circuit terminalâ€%86 and ground.
7.
 - If the test lamp does not illuminate, test the B+ circuit for a short to ground or an open/high resistance.

8. Connect a test lamp between the control circuit terminal 85 and the B+ circuit terminal 86.
9. Command the doors to LOCK by using the remote keyless entry transmitter. The test lamp should briefly illuminate when commanding the LOCK state.
10.
 - If the test lamp is always OFF, test the control circuit for a short to voltage or an open/high resistance. If the circuit tests normal, replace the I/P fuse block.
 - If the test lamp is always ON, test the control circuit for a short to ground. If the circuit tests normal, replace the I/P fuse block.
11. Ignition OFF, connect the DOOR LOCK relay and disconnect the harness connector at the appropriate door lock actuator.
12. Test for less than 5 Ω between the control circuit terminal A and ground.
13.
 - If greater than the specified range, test the control circuit for a short to voltage or an open/high resistance. If the circuits test normal, replace the DOOR LOCK relay.
14. Ignition ON, connect a test lamp between the control circuit terminal B and ground of the door lock actuator.
15. Command the doors to LOCK by using the remote keyless entry transmitter. The test lamp should briefly illuminate when commanding the LOCK state.
16.
 - If the test lamp is always OFF, test the control circuit for a short to ground. If the circuit tests normal, test or replace the DOOR LOCK relay.
17. If all circuits test normal, test or replace the door lock actuator.

Door Lock Switch Malfunction

1. Ignition OFF, disconnect the harness connector at the driver door lock switch.
2. Test for less than 1 Ω between the ground circuit terminal listed below and ground:
3.
 - LHD terminal B
 - RHD terminal C
4.
 - If greater than the specified range, test the ground circuit for an open/high resistance.
5. Ignition ON, test for greater than 9V between the signal circuit terminal listed below and ground:
6.
 - RHD terminal D
 - RHD terminal B
 - LHD terminal A
 - LHD terminal C
7.
 - If less than the specified range, test the signal circuit for a short to ground or an open/high resistance. If the circuit tests normal, replace the I/P fuse block.
8. Install a 3A fused jumper wire between the signal circuit terminal listed below and ground. Verify the door perform the UNLOCK function.
9.
 - RHD terminal D

- LHD terminal A
- 10.
- If the doors do not perform the specified function, test the signal circuit for a short to voltage. If the circuit tests normal, replace the I/P fuse block.
11. Install a 3A fused jumper wire between the signal circuit terminal listed below and ground. Verify the door perform the LOCK function.
- 12.
- RHD terminal B
 - LHD terminal C
- 13.
- If the doors do not perform the specified function, test the signal circuit for a short to voltage. If the circuit tests normal, replace the I/P fuse block.
14. If all circuits test normal, test or replace the driver door lock switch.

Component Testing

Door Lock Switch

1. Ignition OFF, disconnect the harness connector at the driver door lock switch.
 2. Test for infinite resistance between the terminals listed below with the switch in the open position:
- 3.
- RHD signal terminalâ€œD and ground terminalâ€œC
 - RHD signal terminalâ€œB and ground terminalâ€œC
 - LHD signal terminalâ€œA and ground terminalâ€œB
 - LHD signal terminalâ€œC and ground terminalâ€œB
- 4.
- If not the specified value, replace the driver door lock switch.
5. Test for less than 2Î© between the terminals listed below with the switch in the Lock position:
- 6.
- RHD signal terminalâ€œB and ground terminalâ€œC
 - LHD signal terminalâ€œC and ground terminalâ€œB
- 7.
- If greater or less than the specified range, replace the driver door lock switch.
8. Test for less than 2Î© between the terminals listed below with the switch in the Unlock position:
- 9.
- RHD signal terminalâ€œD and ground terminalâ€œC
 - LHD signal terminalâ€œA and ground terminalâ€œB
- 10.
- If greater than the specified range, replace the driver door lock switch.

Door Latch

1. Ignition OFF, disconnect the harness connector at the appropriate door lock actuator.

2. Install a 15A fused jumper wire between one of the control terminals and 12V. Momentarily install a jumper wire between the other control terminal and ground. Reverse the jumper wires at least 2 times. The door lock actuator should perform the LOCK/UNLOCK functions.
3.
 - If it does not perform as specified, replace the door lock actuator.

Relay Test

1. Ignition OFF, disconnect the appropriate relay.
2. Test for 60–200 Ω between terminals 85 and 86.
3.
 - If not within the specified range, replace the relay.
4. Test for infinite resistance between the following terminals:
5.
 - 30 and 86
 - 30 and 87
 - 30 and 85
 - 85 and 87
6.
 - If less than the specified value, replace the relay.
7. Test for less than 2 Ω between terminals 30 and 87A.
8.
 - If greater than the specified range, replace the relay.
9. Install a 3A fused jumper wire between relay terminal 85 and 12V. Install a jumper wire between relay terminal 86 and ground. Test for less than 2 Ω between terminals 30 and 87.
10.
 - If greater than specified range, replace the relay.

Repair Instructions

Perform the [Diagnostic Repair Verification](#) after completing the diagnostic procedure.

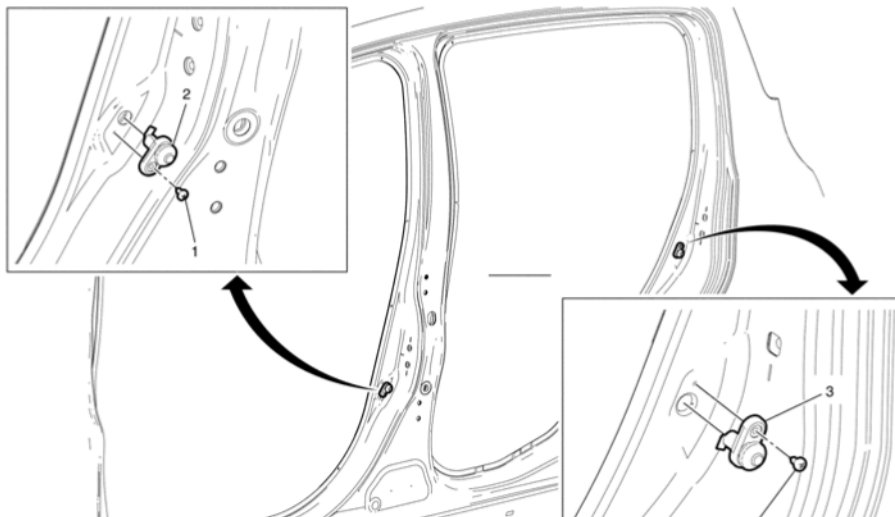
- [Front Side Door Lock Replacement](#)
- [Rear Side Door Lock Replacement](#)

Repair Instructions

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Door Open Indicator Switch Replacement





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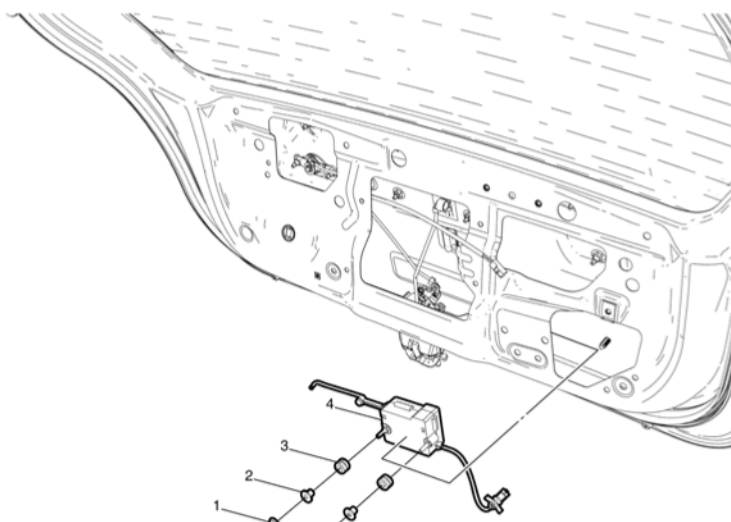
Callout	Component Name
1	Door Ajar Switch Screw Caution: Refer to Fastener Caution .
2	Door Ajar Switch Procedure 1. Remove the door ajar switch from the body panel. 2. Disconnect the door ajar switch electrical connector.

Related Part Information

Part Name	Catalog Name	Part Code
Door Open Indicator Switch	SWITCH,DR OPEN IND	1611A

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Liftgate Lock Actuator Replacement



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Callout	Component Name
Preliminary Procedure	
Remove the liftgate trim panel. Refer to Liftgate Trim Panel Replacement .	
1	Liftgate Lock Actuator Nut (Qty:â€%02) Caution: Refer to Fastener Caution .
2	Liftgate Lock Actuator Rubber Bush (Qty:â€%02)
3	Liftgate Lock Actuator Plastic Bush (Qty:â€%02)
4	Liftgate Lock Actuator Procedure 1. Disconnect the liftgate lock actuator electrical connector. 2. Release the liftgate lock actuator rod from the latch.

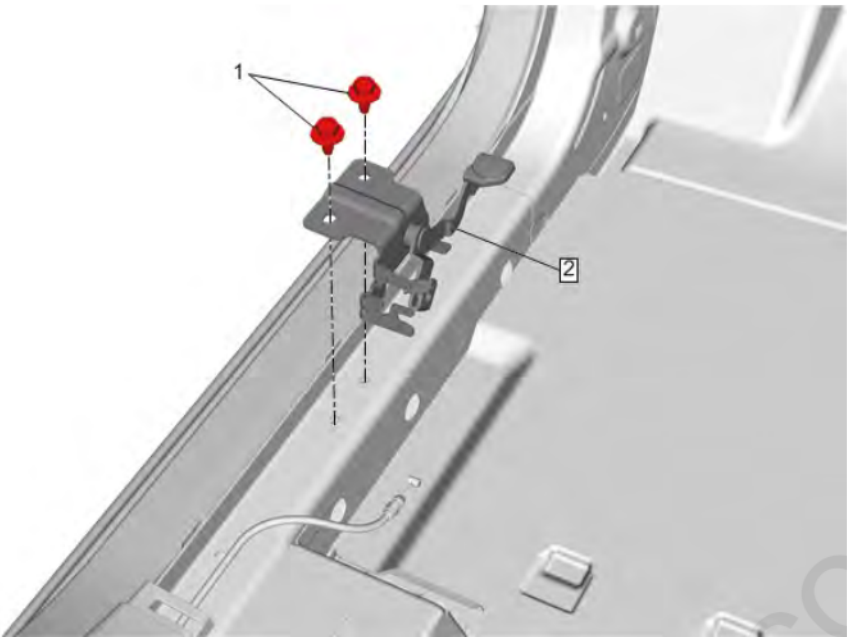
Related Part Information

Part Name	Catalog Name	Part Code
Liftgate Lock Actuator	ACTUATOR,L/GATE LK	6410A

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Fuel Tank Filler Door Latch Release Cable Lever Replacement (Hatchback)



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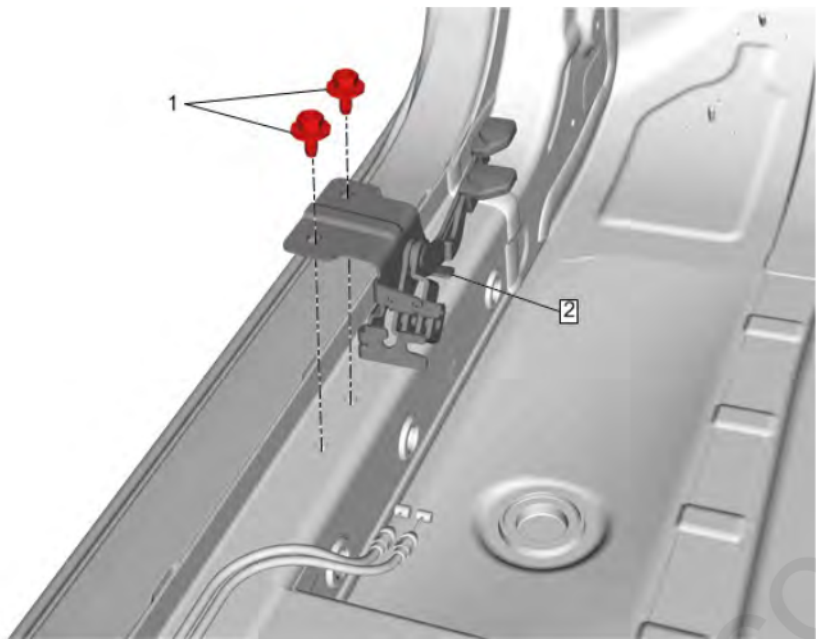
Callout	Component Name
Preliminary Procedure	
Front Side Door Sill Trim Plate Replacement	
1	Fuel Tank Filler Door Latch Release Cable Lever Bolt [2>x] Caution : Fastener Caution Tighten 8>N-m (71 lb in)
2	Fuel Tank Filler Door Latch Release Cable Lever Procedure Fuel Tank Filler Door Latch Release Cable @ Fuel Tank Filler Door Latch Release Cable Lever >> Disconnect

Related Part Information

Part Name	Catalog Name	Part Code
Fuel Tank Filler Door Latch Release Cable Lever	LEVER,F/TNK FIL DR LAT REL CBL 3673P	

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Fuel Tank Filler Door Latch Release Cable Lever Replacement (Notchback)

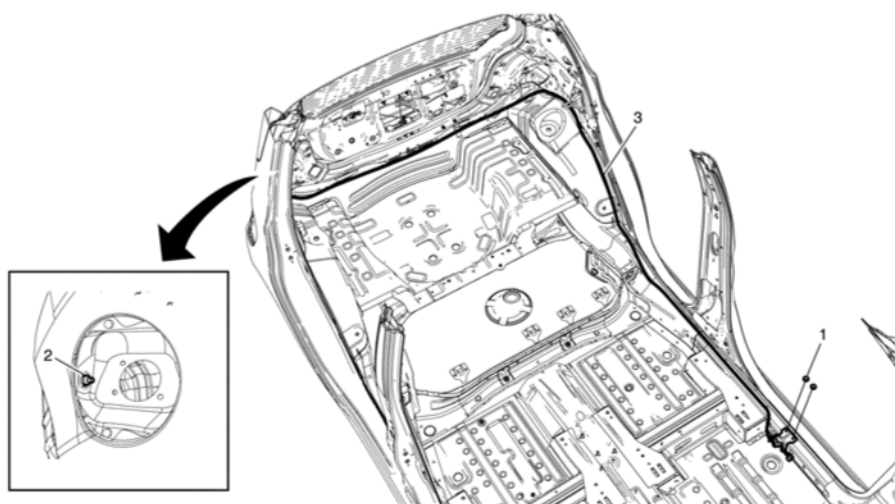


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Callout	Component Name
Preliminary Procedure	
Front Side Door Sill Trim Plate Replacement	
1	Fuel Tank Filler Door Latch Release Cable Lever Bolt [2>x] Caution : Fastener Caution Tighten 8>N-m (71 lb in)
2	Fuel Tank Filler Door Latch Release Cable Lever Procedure Fuel Tank Filler Door Latch Release Cable @ Fuel Tank Filler Door Latch Release Cable Lever >> Disconnect

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Fuel Tank Filler Door Latch Release Cable Replacement (Hatchback)



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Callout	Component Name
	Preliminary Procedures 1. Remove the front side door sill trim plate. Refer to Front Side Door Sill Trim Plate Replacement. 2. Remove the center pillar lower trim panel. Refer to Center Pillar Lower Trim Panel Replacement. 3. Remove the rear side door sill trim plate. Refer to Rear Side Door Sill Trim Plate Replacement. 4. Remove the rear wheelhouse trim finish panel. Refer to Rear Wheelhouse Trim Finish Panel Replacement.
1	Fuel Tank Filler Door Latch Release Cable Lever Bolt (Qty:2) Caution: Refer to Fastener Caution. Tighten 8N-m (71lb-in)

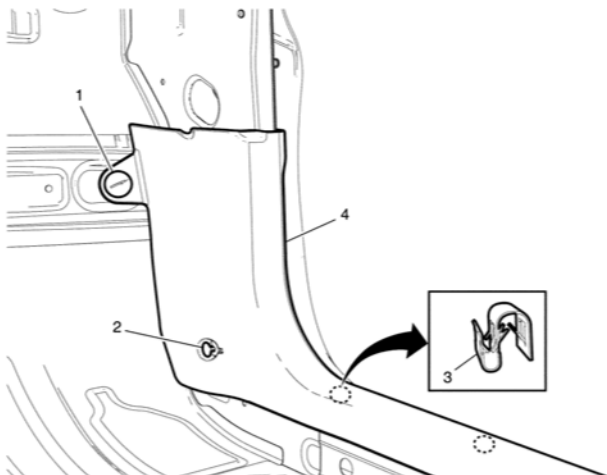
Callout	Component Name
2	Fuel Tank Filler Door Latch
	Tip
	Remove the rear wheelhouse trim finish panel to access the fuel tank filler door latch.
3	Fuel Tank Filler Door Latch Release Cable

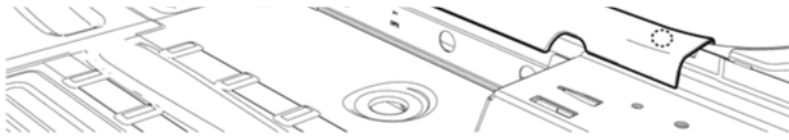
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Fuel Tank Filler Door Latch Release Cable Replacement (Notchback)

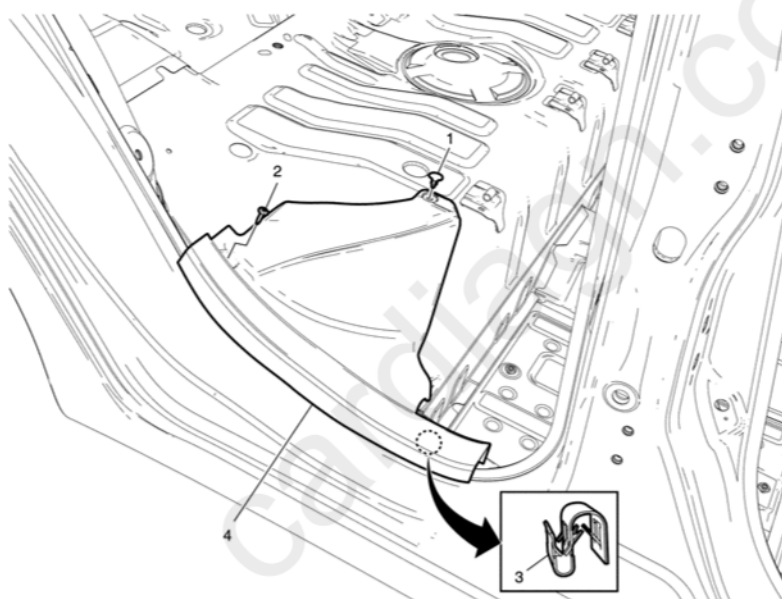
Removal Procedure





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1. [Click here for full size](#)
2. Front Side Door Sill Trim Plate (4>) >> Remove - [Front Side Door Sill Trim Plate Replacement](#)

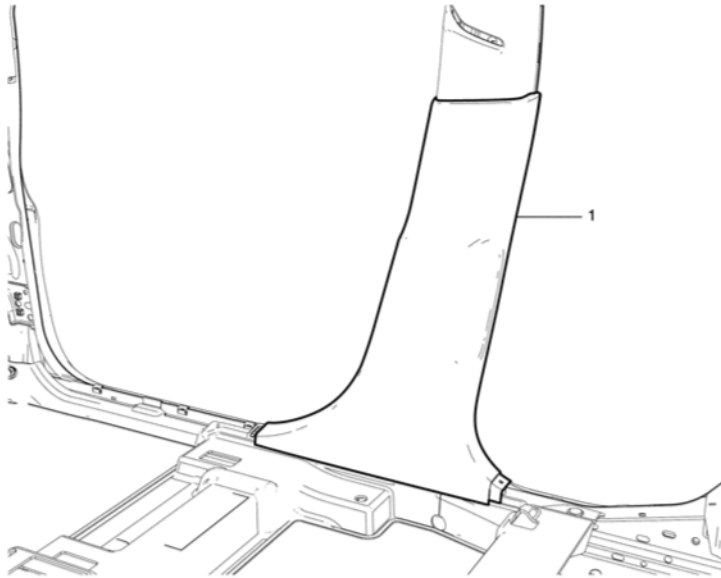


3.

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4. Rear Side Door Sill Trim Plate (4>) >> Remove - [Rear Side Door Sill Trim Plate Replacement](#)

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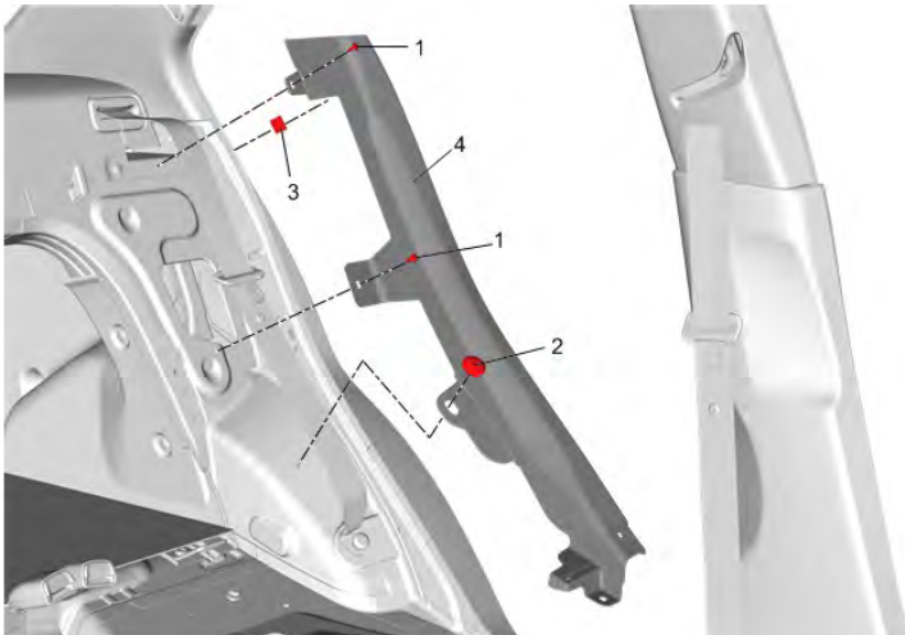


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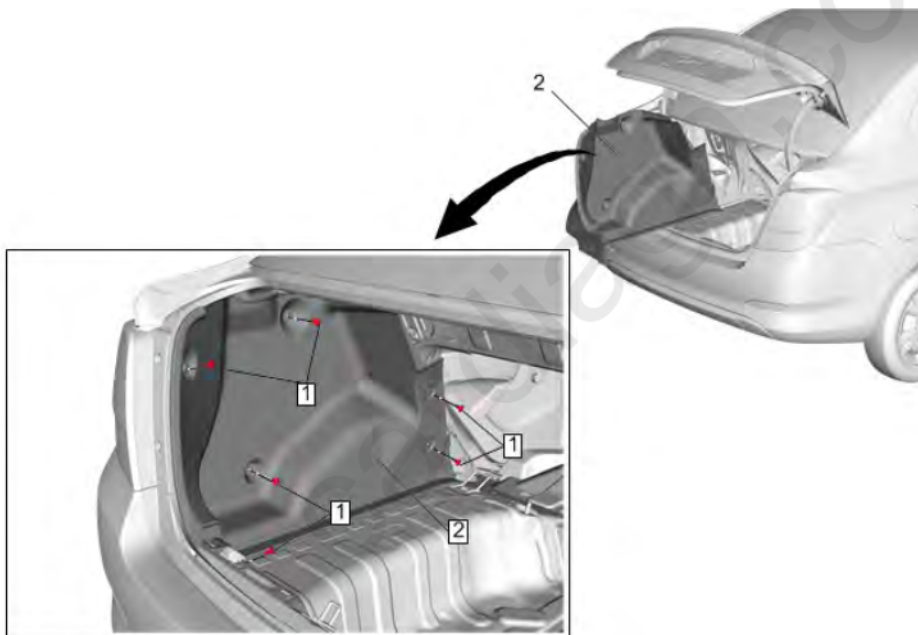
6. Center Pillar Lower Trim Panel (1>) >> Remove - [Center Pillar Lower Trim Panel Replacement](#)



7.

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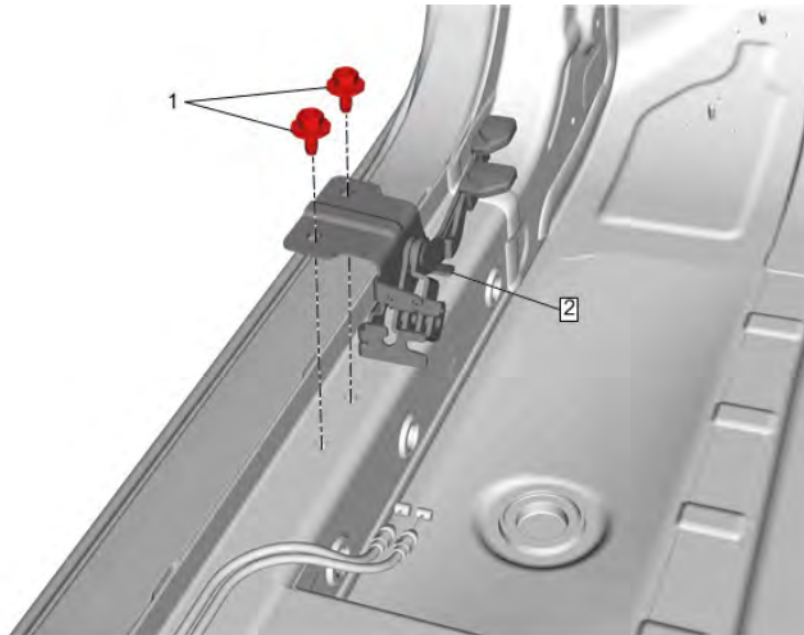
8. Body Lock Pillar Trim Panel (4) >>> Remove - [Body Lock Pillar Trim Panel Replacement](#)



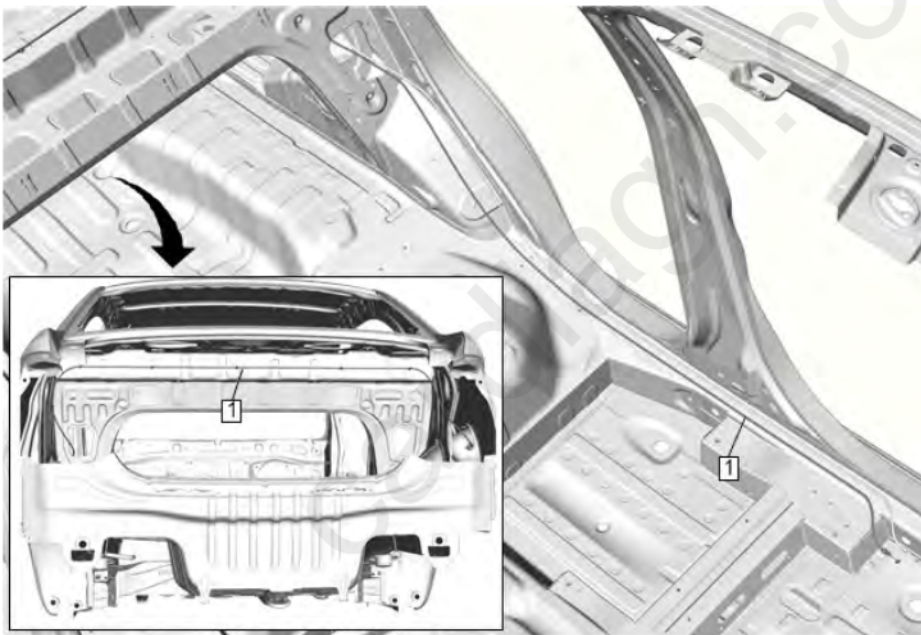
9.

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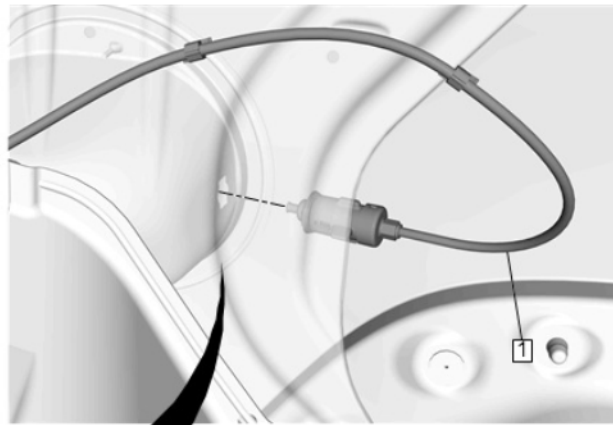
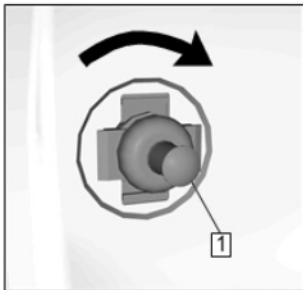
10. Remove the both sides of rear compartment side trim panel (2). [Rear Compartment Side Trim Panel Replacement](#)



11. [Click here for full size](#)
12. Fuel Tank Filler Door Latch Release Cable Lever (2>) >> Remove - [Fuel Tank Filler Door Latch Release Cable Lever Replacement](#)



13. [Click here for full size](#)
14. Remove the fuel tank filler door latch release cable (1) from body panel.

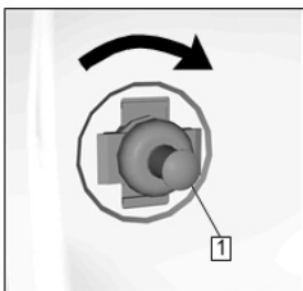


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16. Fuel Tank Filler Door Latch (1>) >> Remove

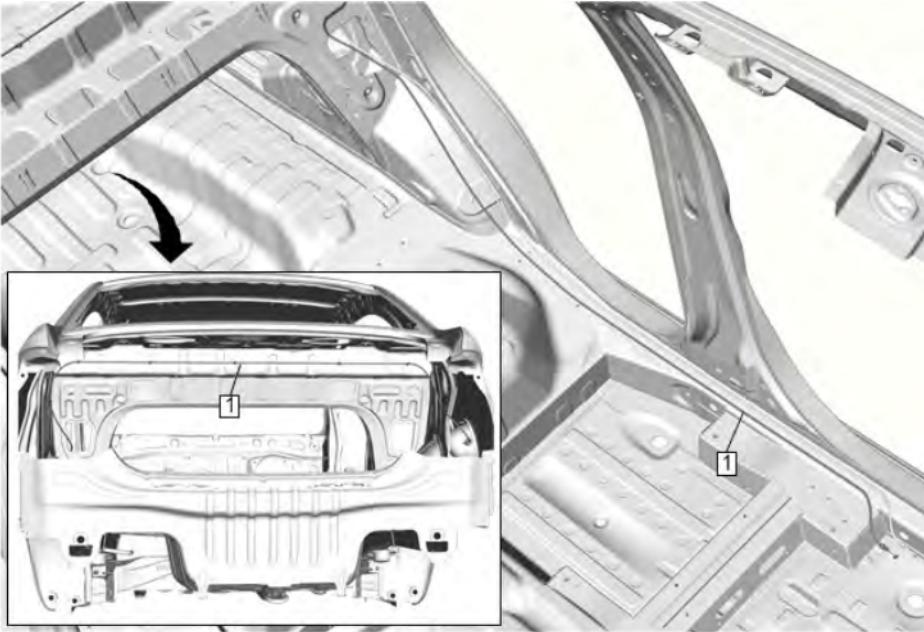
Installation Procedure



1.

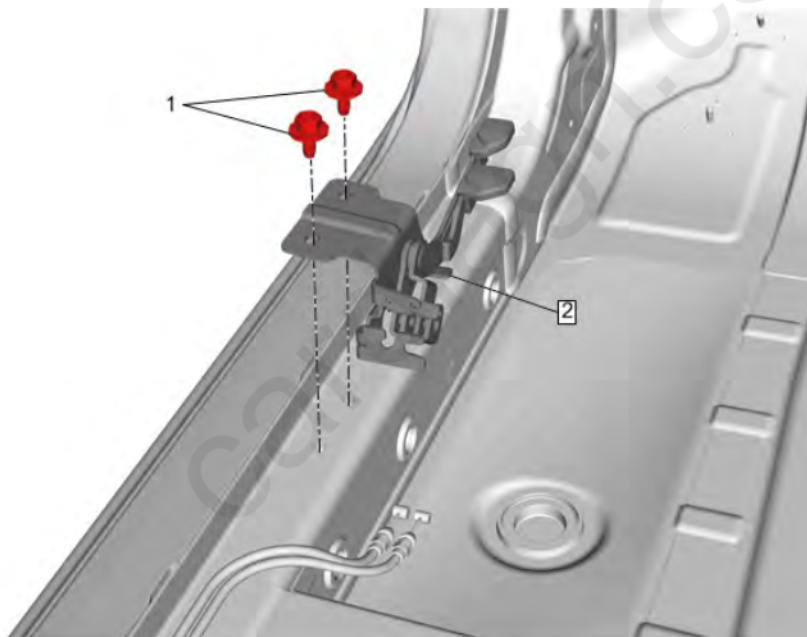
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2. Fuel Tank Filler Door Latch (1>) >> Remove



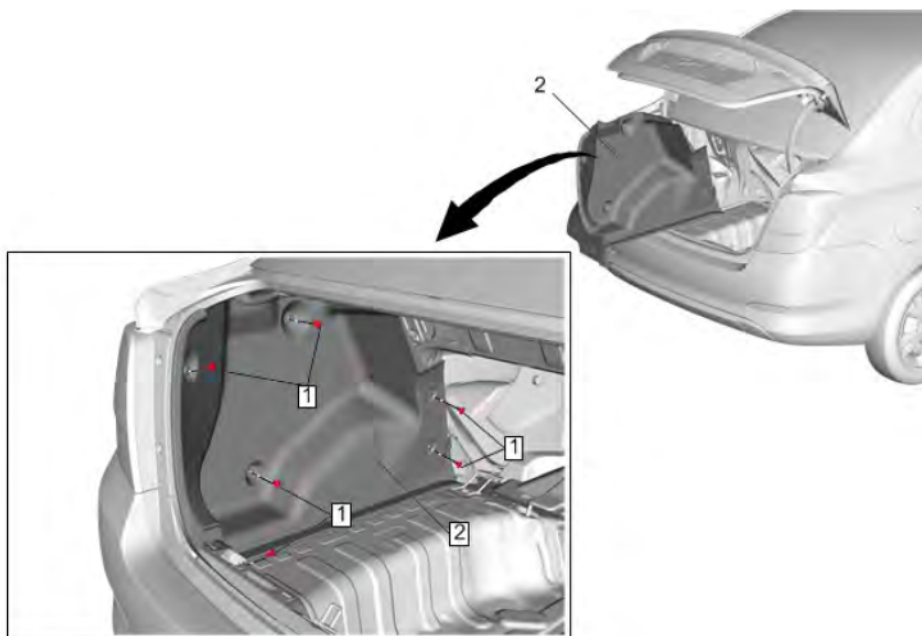
3. [Click here for full size](#)

4. Install the fuel tank filler door latch release cable (1) from body panel.



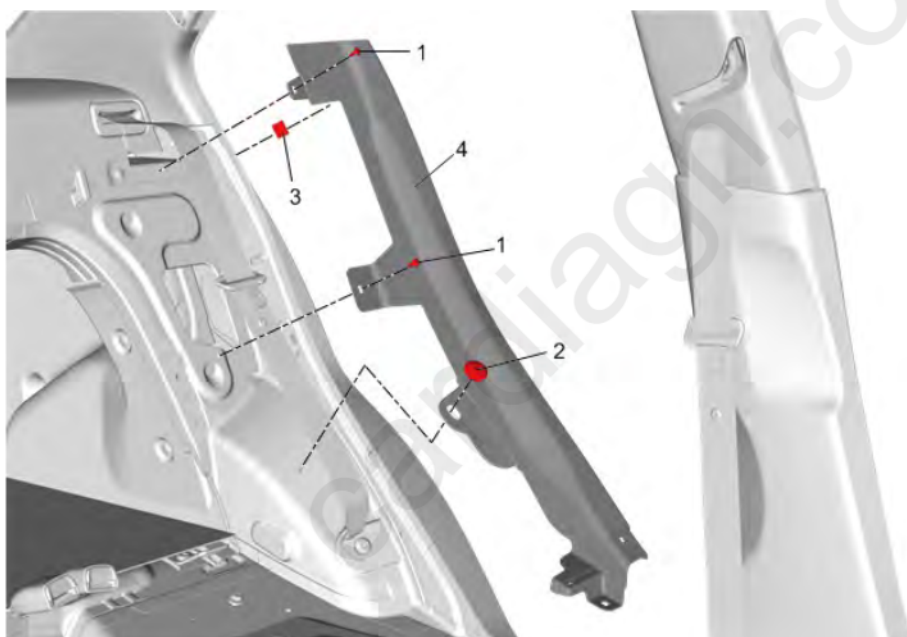
5. [Click here for full size](#)

6. Fuel Tank Filler Door Latch Release Cable Lever (2>) >> Install - [Fuel Tank Filler Door Latch Release Cable Lever Replacement](#)



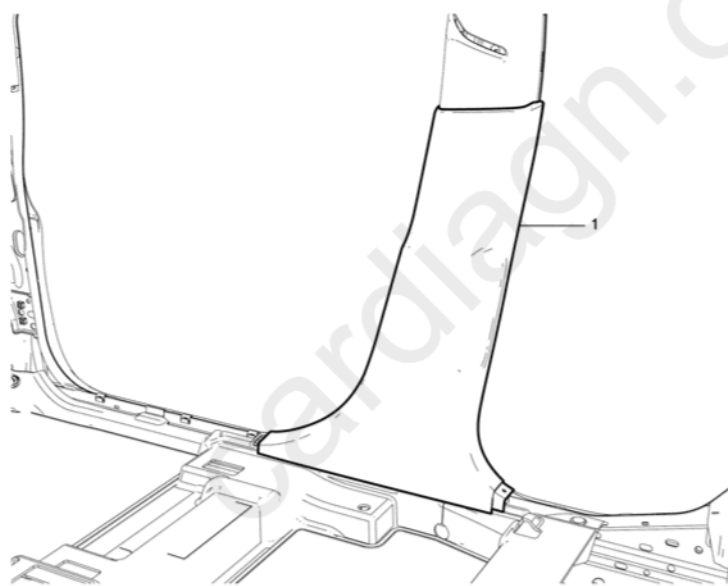
7. [Click here for full size](#)

8. Install the both sides of rear compartment side trim panel (2). [Rear Compartment Side Trim Panel Replacement](#)



9. [Click here for full size](#)

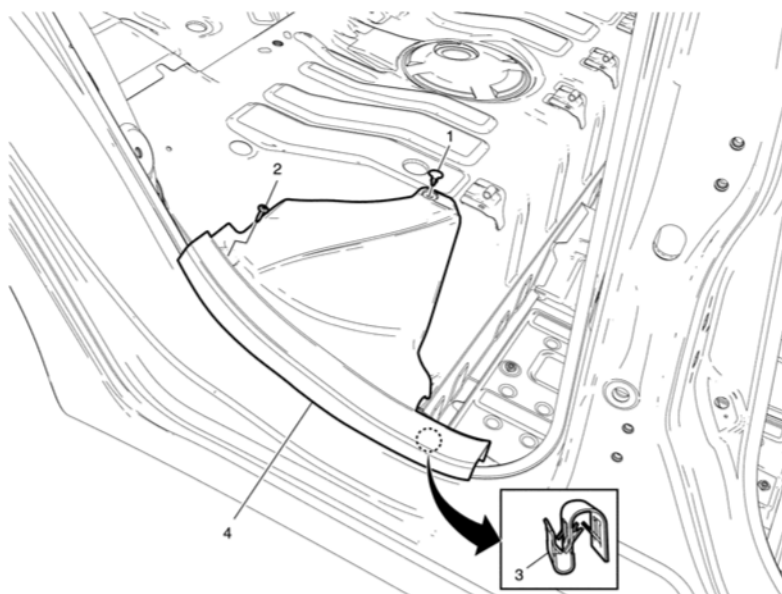
10. Body Lock Pillar Trim Panel (4>) >> Install - [Body Lock Pillar Trim Panel Replacement](#)



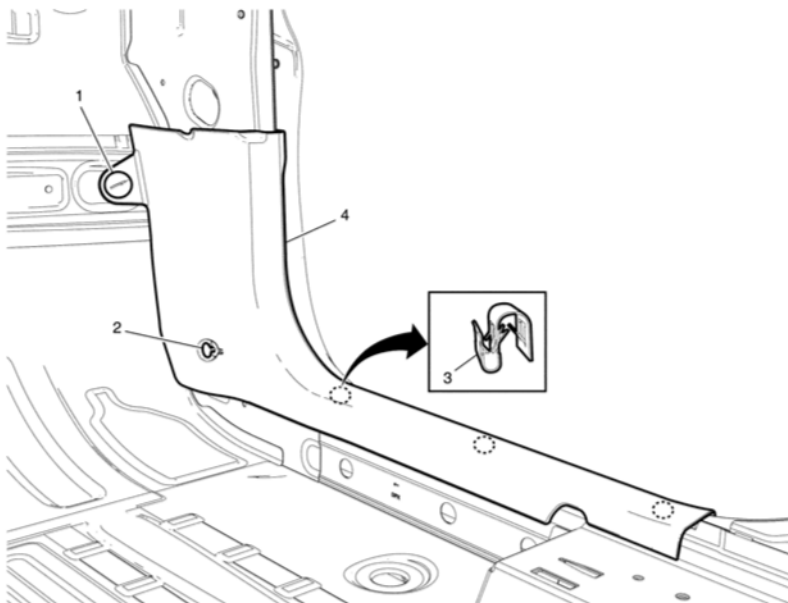
11.

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12. Center Pillar Lower Trim Panel (1>) >> Install - [Center Pillar Lower Trim Panel Replacement](#)



14. Rear Side Door Sill Trim Plate (4>) >> Install - [Rear Side Door Sill Trim Plate Replacement](#)



15.

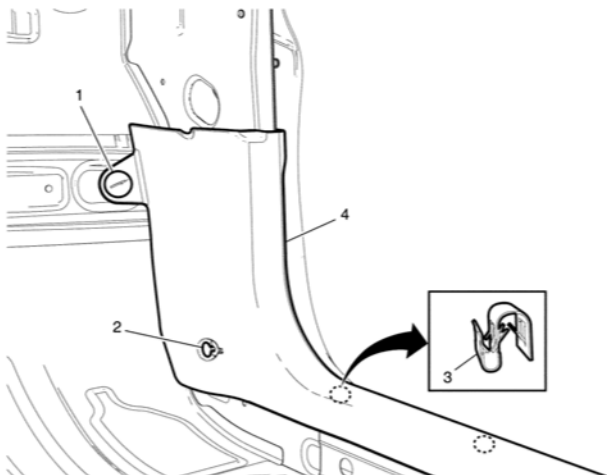
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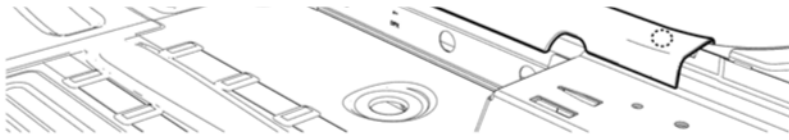
16. Front Side Door Sill Trim Plate (4>) >> Install - [Front Side Door Sill Trim Plate Replacement](#)

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Rear Compartment Lid Latch Release Cable Replacement

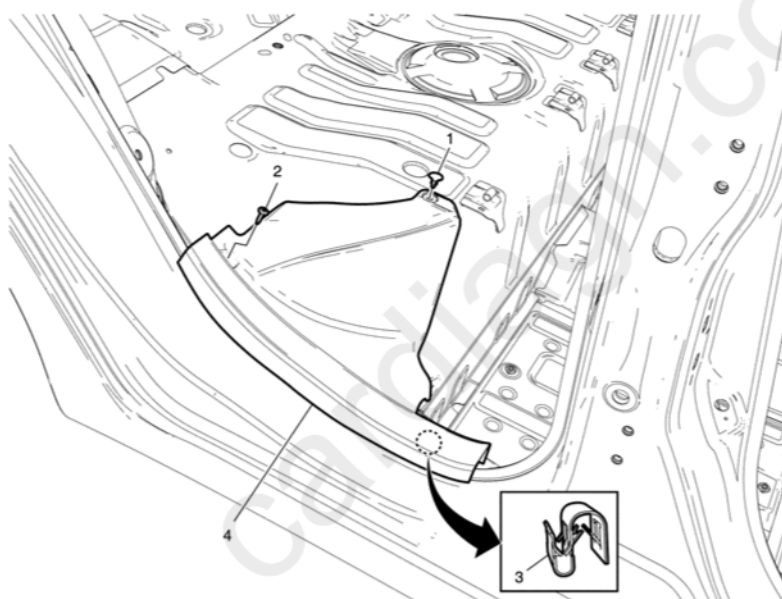
Removal Procedure





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1. [Click here for full size](#)
2. Front Side Door Sill Trim Plate (4>) >> Remove - [Front Side Door Sill Trim Plate Replacement](#)

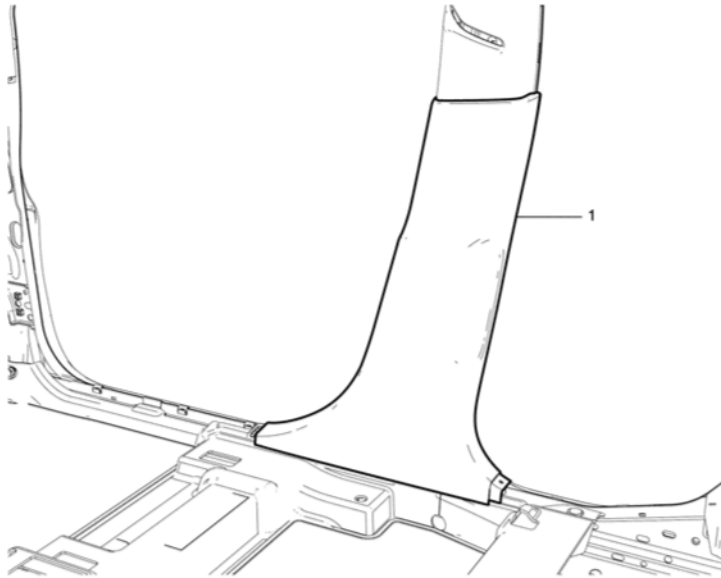


3.

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4. Rear Side Door Sill Trim Plate (4>) >> Remove - [Rear Side Door Sill Trim Plate Replacement](#)

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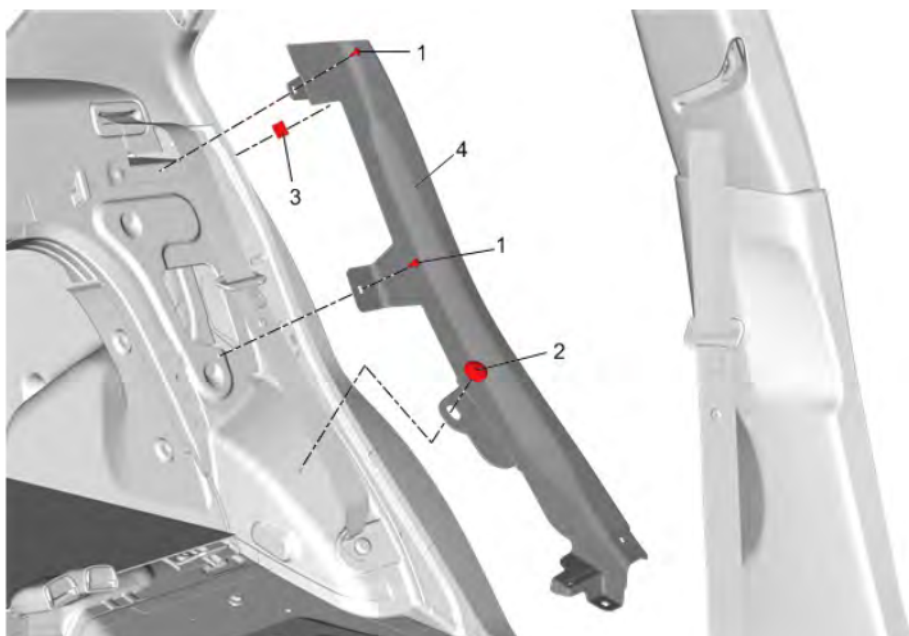


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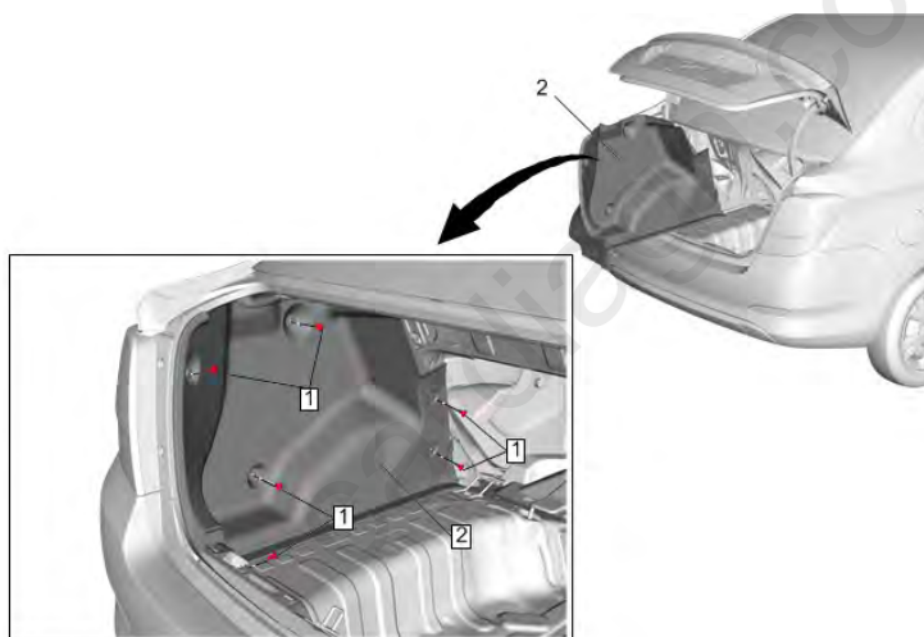
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6. Center Pillar Lower Trim Panel (1>) >> Remove - [Center Pillar Lower Trim Panel Replacement](#)



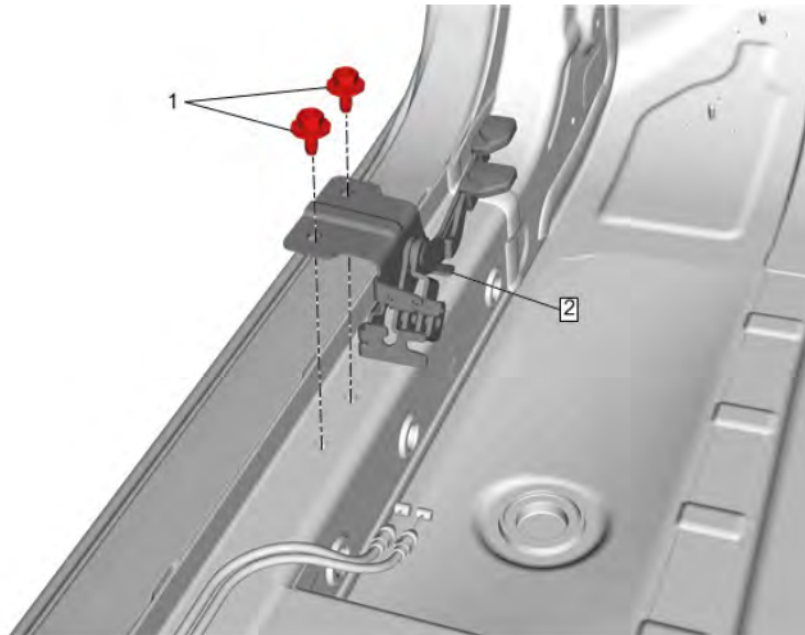
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8. Body Lock Pillar Trim Panel (4>) >> Remove - [Body Lock Pillar Trim Panel Replacement](#)

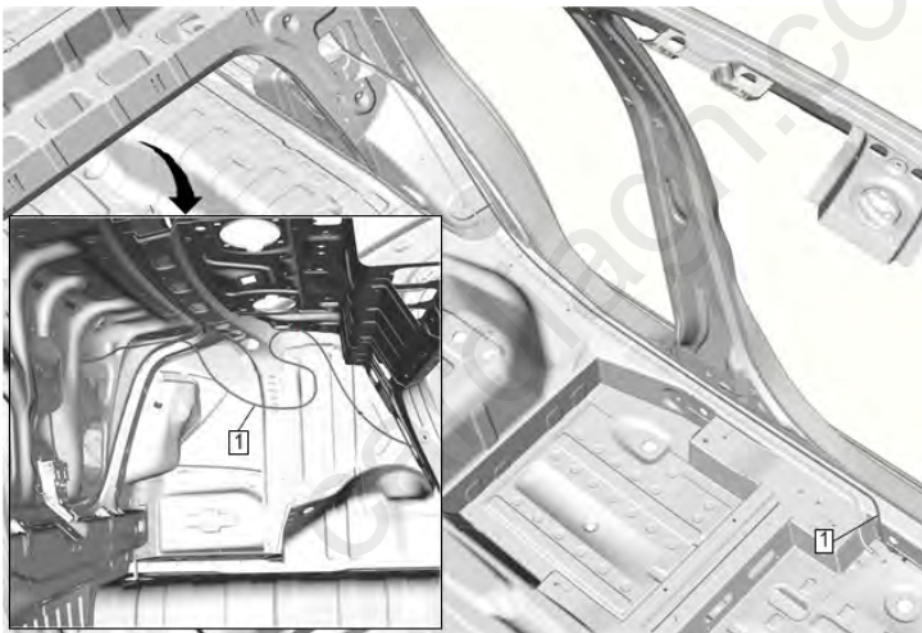


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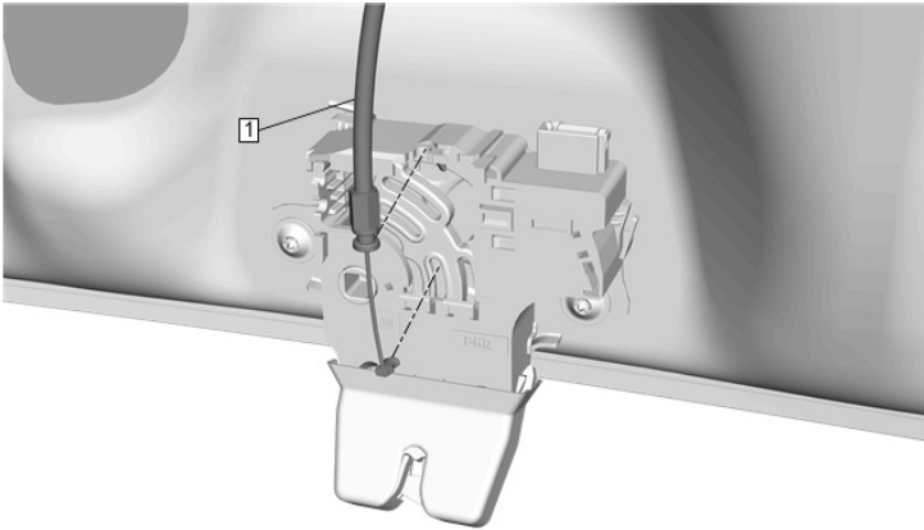
10. Rear Compartment Side Trim Panel - Left Side (2>) >> Remove - [Rear Compartment Side Trim Panel Replacement](#)



11. [Click here for full size](#)
12. Fuel Tank Filler Door Latch Release Cable Lever (2>) >> Remove - [Fuel Tank Filler Door Latch Release Cable Lever Replacement](#)



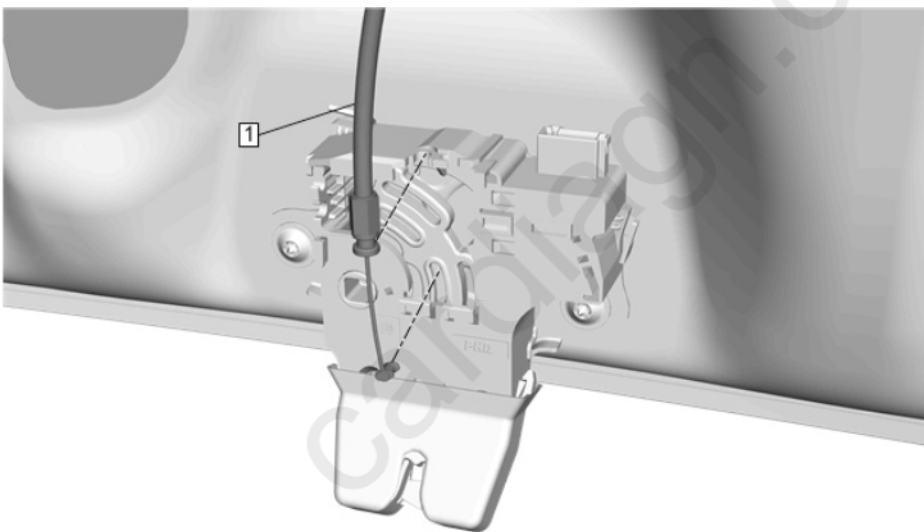
13. [Click here for full size](#)
14. Remove the rear compartment lid latch release cable (1) from body panel.



15. [Click here for full size](#)

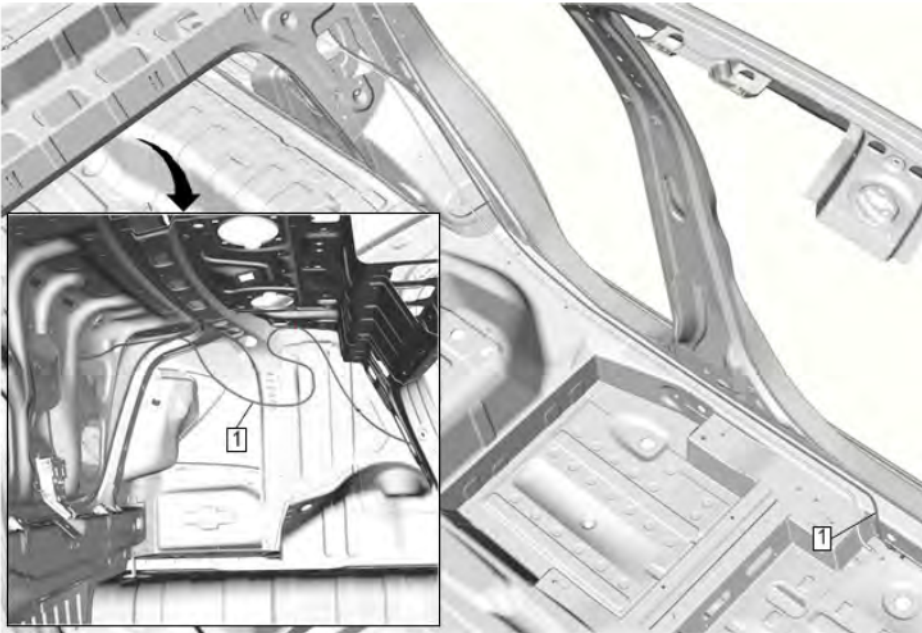
16. Rear Compartment Lid Latch Release Cable (1>) @ Rear Compartment Lid Latch >> Remove

Installation Procedure

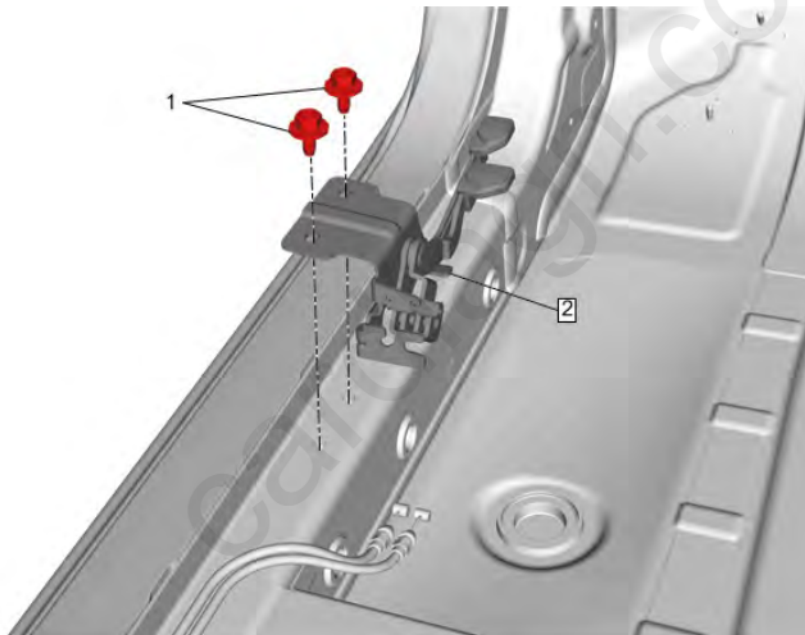


1. [Click here for full size](#)

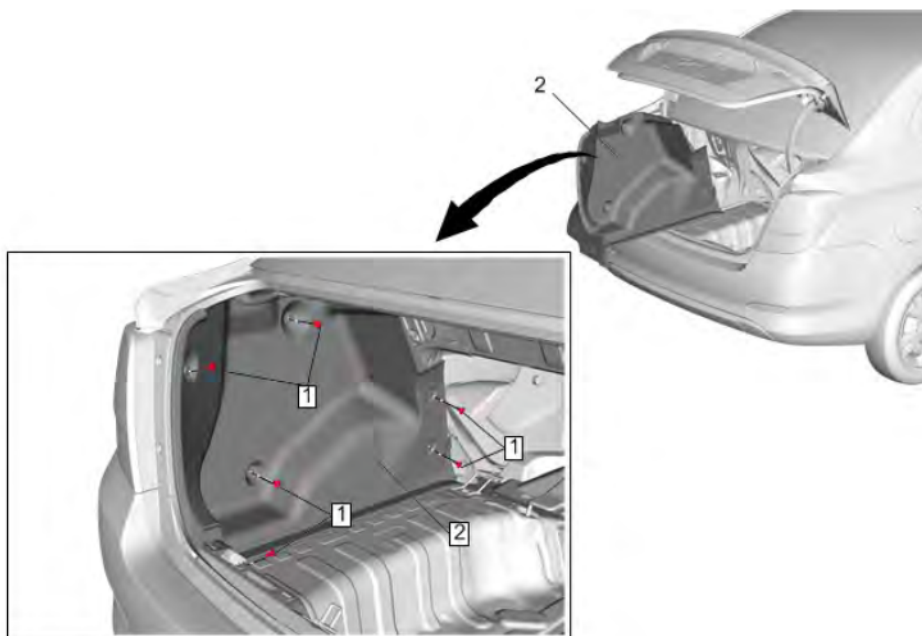
2. Rear Compartment Lid Latch Release Cable (1>) @ Rear Compartment Lid Latch >> Install



3. [Click here for full size](#)
4. Install the rear compartment lid latch release cable (1) from body panel.

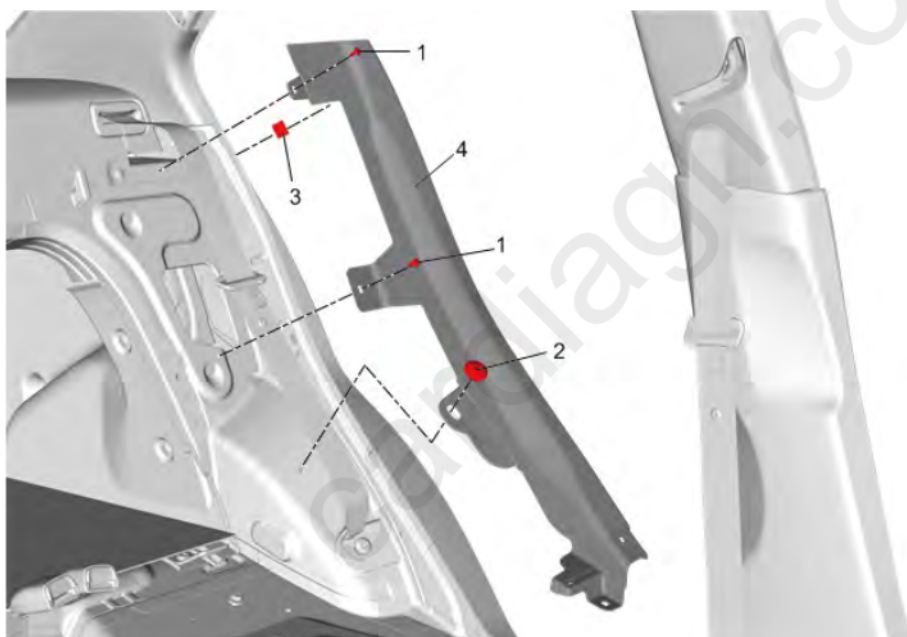


5. [Click here for full size](#)
6. Fuel Tank Filler Door Latch Release Cable Lever (2>) >> Install - [Fuel Tank Filler Door Latch Release Cable Lever Replacement](#)



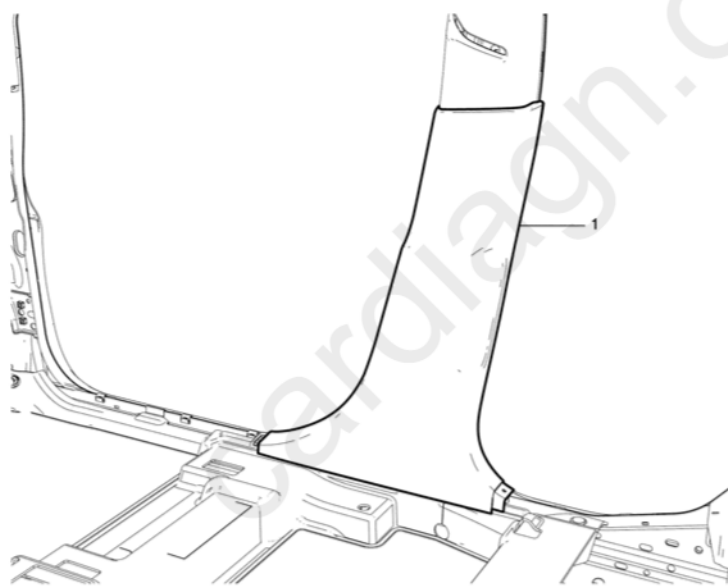
7. [Click here for full size](#)

8. Rear Compartment Side Trim Panel - Left Side (2>) >> Install - [Rear Compartment Side Trim Panel Replacement](#)



9. [Click here for full size](#)

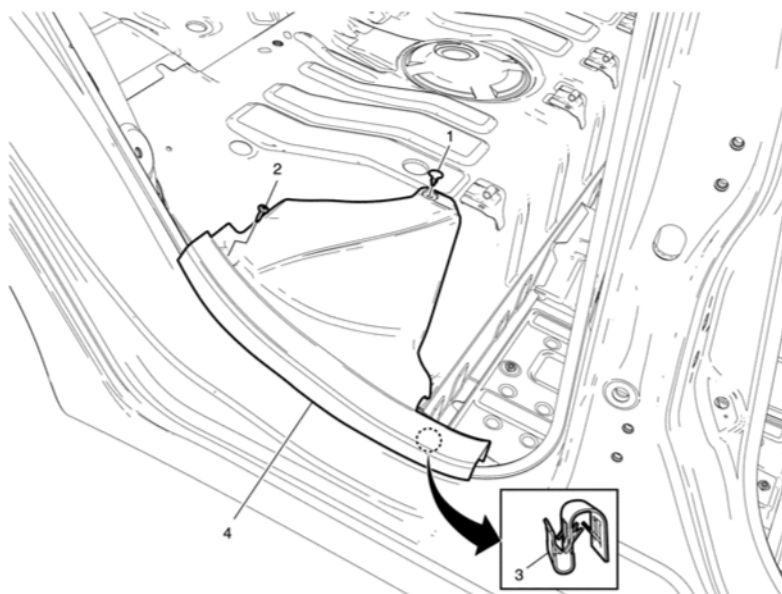
10. Body Lock Pillar Trim Panel (4>) >> Install - [Body Lock Pillar Trim Panel Replacement](#)



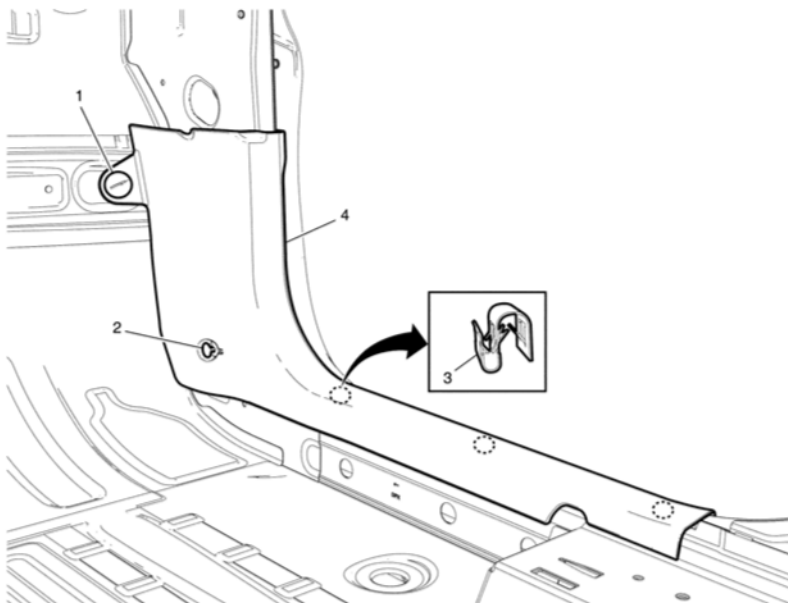
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12. Center Pillar Lower Trim Panel (1>) >> Install - [Center Pillar Lower Trim Panel Replacement](#)



14. Rear Side Door Sill Trim Plate (4>) >> Install - [Rear Side Door Sill Trim Plate Replacement](#)



15.

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16. Front Side Door Sill Trim Plate (4>) >> Install - [Front Side Door Sill Trim Plate Replacement](#)

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Front Side Door Lock Cylinder Replacement

Removal Procedure

1. Remove the front side door trim panel. Refer to [Front Side Door Trim Panel Replacement](#).
2. Remove the water deflector.
3. Remove the front side door lock cylinder rod.
4.
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5. Remove the front side door lock rod holder (1).
6.
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7. Remove the front side door lock cylinder bolt (2).
8.
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9. Remove the front side door lock cylinder (3).

Installation Procedure

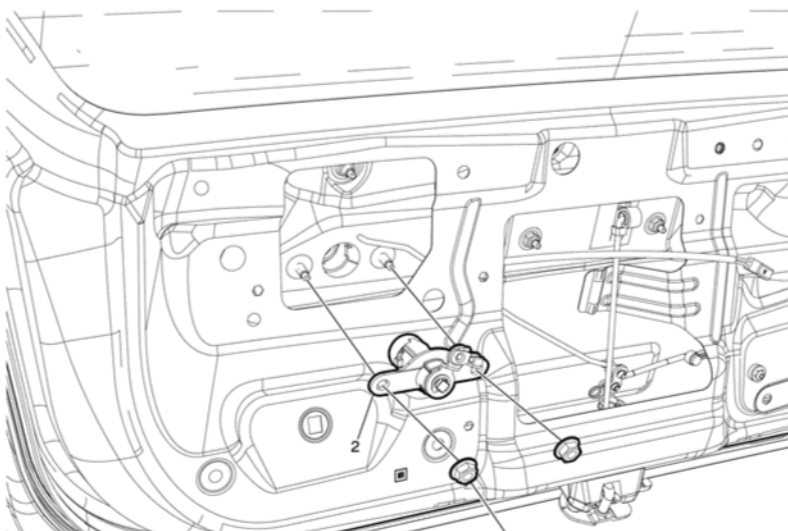
1. Note:
If you are installing a new lock cylinder, refer to [Key and Lock Cylinder Coding](#).
2. Install the front side door lock cylinder.
3.
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4. Install the front side door lock cylinder bolt (2) and tighten to 4.5 N-m (40 lb-in).
5. Install the front side door lock rod holder.

Related Part Information

Part Name	Catalog Name	Part Code
Front Side Door Lock Cylinder	CYLINDER,FRT S/D LK	1900A
Front Side Door Lock Cylinder	CYLINDER KIT,FRT S/D LK(UNCODED)	1901A
Front Side Door Lock Cylinder	CYLINDER,FRT S/D LK	1920A
Front Side Door Lock Cylinder	CYLINDER,FRT S/D LK	0780A
Front Side Door Lock Cylinder	CYLINDER,FRT S/D LK	0781A
Front Side Door Lock Cylinder	CYLINDER KIT,FRT S/D LK(UNCODED)	0781B
Front Side Door Lock Cylinder	CYLINDER,FRT S/D LK(W/KEYS)	0781C
Front Side Door Lock Cylinder	CYLINDER,FRT S/D LK	0781D
Front Side Door Lock Cylinder	CYLINDER KIT,FRT S/D LK (W/ KEY)	0781Z

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Liftgate Lock Cylinder Replacement





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Callout	Component Name
Preliminary Procedures 1. Remove the liftgate trim panel. Refer to Liftgate Trim Panel Replacement. 2. Remove the liftgate lock cylinder rod.	
1	Liftgate Lock Cylinder Nut (Qty: 2) Caution: Refer to Fastener Caution. Tighten 5 N-m (44 lb-in)
2	Liftgate Lock Cylinder Assembly Tip If you are installing a new lock cylinder, refer to Key and Lock Cylinder Coding.

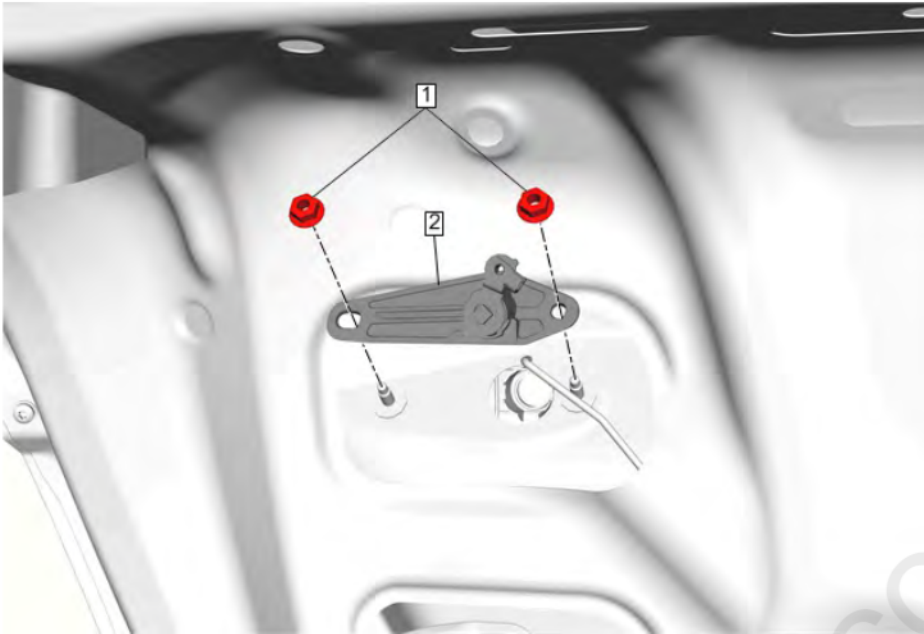
Related Part Information

Part Name	Catalog Name	Part Code
Liftgate Lock Cylinder	CYLINDER KIT,L/GATE LK(UNCODED)	6499W
Liftgate Lock Cylinder	CYLINDER,L/GATE LK	6500A
Liftgate Lock Cylinder	CYLINDER KIT,L/GATE LK (W/KEY)	1199Y
Liftgate Lock Cylinder	CYLINDER KIT,L/GATE LK(UNCODED)	1199Z
Liftgate Lock Cylinder	CYLINDER,L/GATE LK	1200A
Liftgate Lock Cylinder	CYLINDER,L/GATE LK	1200B
Liftgate Lock Cylinder	CYLINDER,L/GATE LK(W/KEY)	1200C

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Rear Compartment Lid Lock Cylinder Replacement (Notchback)



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Callout	Component Name
Preliminary Procedure	
Rear Compartment Lid Lock Cylinder Rod @ Rear Compartment Lid Lock Cylinder >> Disconnect - Rear Compartment Lid Lock Cylinder Rod Replacement	
1	Rear Closure Center Applique Nut [2>x] Caution : Fastener Caution Tighten 5>N-m (44 lb in)
2	Rear Compartment Lid Lock Cylinder

Related Part Information

Part Name	Catalog Name	Part Code
Lock Cylinder	CYLINDER,LK	1910A
Lock Cylinder	CYLINDER,LK (W/ KEY & R/CON DR LK XMTR)	0770A
Lock Cylinder	CYLINDER,LK	0775A
Lock Cylinder	CYLINDER KIT,LK(W/KEYS)	0778A
Lock Cylinder	CYLINDER,LK (W/KEYS)	0778B
Lock Cylinder	CYLINDER KIT,LK	0779A
Rear Compartment Lid Lock Cylinder	CYLINDER KIT,R/CMPT LID LK(UNCODED)	5999W
Rear Compartment Lid Lock Cylinder	CYLINDER,R/CMPT LID LK	6000A
Rear Compartment Lid Lock Cylinder	CYLINDER KIT,R/CMPT LID LK (W/ KEY)	0998Z
Rear Compartment Lid Lock Cylinder	CYLINDER,R/CMPT LID LK(W/KEY)	0999A
Rear Compartment Lid Lock Cylinder	CYLINDER KIT,R/CMPT LID LK(UNCODED)	0999Z
Rear Compartment Lid Lock Cylinder	CYLINDER,R/CMPT LID LK	1000A
Rear Compartment Lid Lock Cylinder	CYLINDER,R/CMPT LID LK	1000B

Part Name
Lock Cylinder

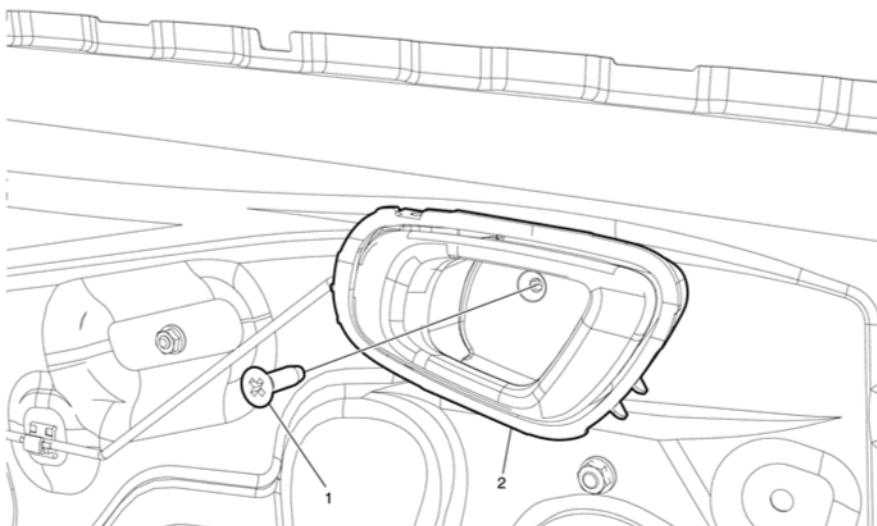
Catalog Name
CYLINDER KIT,LK

Part Code
SF090

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Front Side Door Inside Handle Replacement





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Callout	Component Name
Preliminary Procedures	
1. Remove the front side door trim panel. Refer to Front Side Door Trim Panel Replacement .	
2. Remove the water deflector.	
3. Remove the front side door inside handle rod.	
1	Front Side Door Inside Handle Screw (Qty:1) Caution: Refer to Fastener Caution . Tighten 1.5â€”N-m (13â€”lbâ€”in)
2	Front Side Door Inside Handle

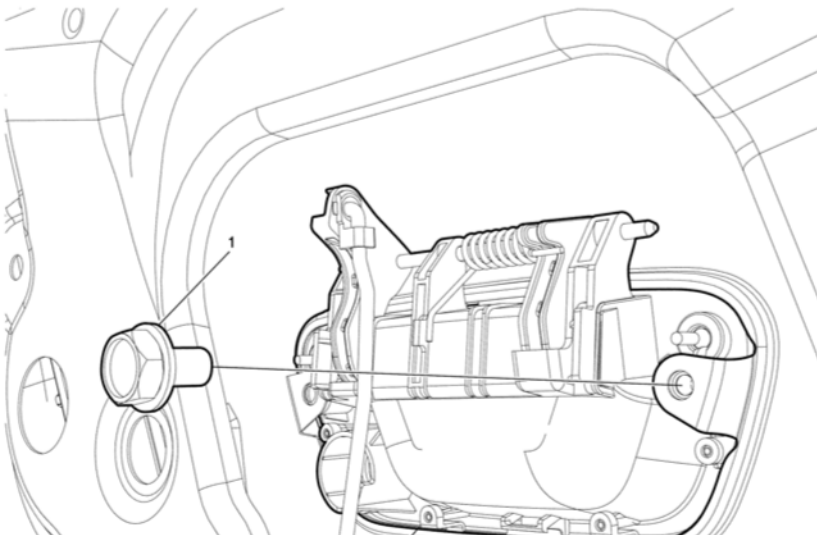
Related Part Information

Part Name	Catalog Name	Part Code
Front Side Door Inside Handle	HANDLE,FRT S/D I/S	1350A
Front Side Door Inside Handle	HANDLE,FRT S/D I/S	1350B
Front Side Door Inside Handle	HANDLE KIT,FRT S/D I/S	2899Z
Front Side Door Inside Handle	HANDLE,FRT S/D I/S	2900A
Front Side Door Inside Handle	HANDLE,FRT S/D I/S	2900B
Front Side Door Inside Handle	HANDLE,FRT S/D I/S (W/ LK)	2906A

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Front Side Door Outside Handle Replacement





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Callout	Component Name
Preliminary Procedures	
1. Remove the front side door trim panel. Refer to Front Side Door Trim Panel Replacement .	
2. Remove the water deflector.	
3. Remove the front side door lock cylinder. Refer to Front Side Door Lock Cylinder Replacement .	
1	Front Side Door Outside Handle Bolt (Qty:1) Caution: Refer to Fastener Caution . Tighten 4.5N·m (40lb·in)
2	Front Side Door Outside Handle

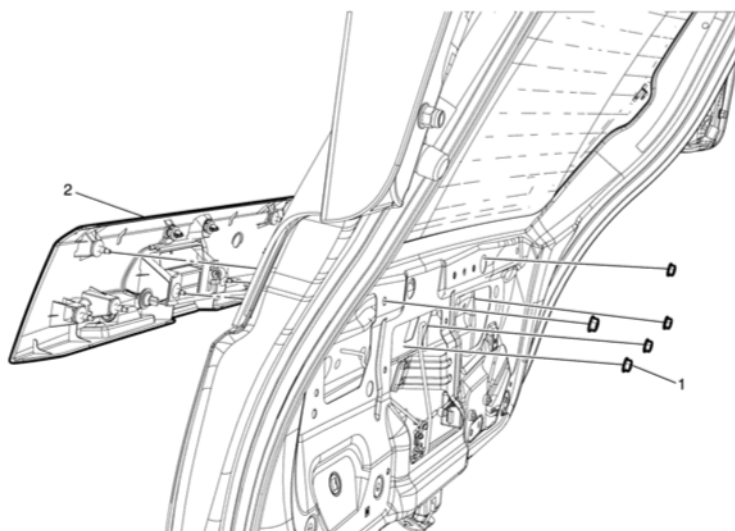
Related Part Information

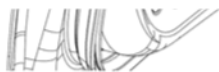
Part Name	Catalog Name	Part Code
Front Side Door Outside Handle	HANDLE,FRT S/D O/S	1648Z
Front Side Door Outside Handle	HANDLE,FRT S/D O/S(W/LK & KEY)	1649A
Front Side Door Outside Handle	HANDLE,FRT S/D O/S	1650A
Front Side Door Outside Handle	HANDLE,FRT S/D O/S	1650B
Front Side Door Outside Handle	HANDLE,FRT S/D O/S(W/LK & KEY)	3049A
Front Side Door Outside Handle	HANDLE,FRT S/D O/S(W/I/P COMPT & IGN & R/COMPT LID CY	3049B
Front Side Door Outside Handle	HANDLE,FRT S/D O/S (RH PROC)	3049V
Front Side Door Outside Handle	HANDLE KIT,FRT S/D O/S	3049Y
Front Side Door Outside Handle	HANDLE PKG,FRT S/D O/S	3049Z
Front Side Door Outside Handle	HANDLE,FRT S/D O/S	3050A
Front Side Door Outside Handle	HANDLE,FRT S/D O/S	3050B
Front Side Door Outside Handle	HANDLE,FRT S/D O/S (RH PROC)	3055A
Front Side Door Outside Handle	HANDLE PKG,FRT S/D O/S	SJ044

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Liftgate Outside Handle Replacement





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Callout	Component Name
Preliminary Procedures	
1. Remove the liftgate trim panel. Refer to Liftgate Trim Panel Replacement .	
2. Remove the liftgate lock cylinder. Refer to Liftgate Lock Cylinder Replacement .	
1	Liftgate Outside Handle Nut (Qty: 5) Caution: Refer to Fastener Caution . Tighten 56 N·m (41 lb·ft)
2	Liftgate Outside Handle Procedure Disconnect the license plate lamp electrical connector. Refer to Rear License Plate Lamp Replacement .

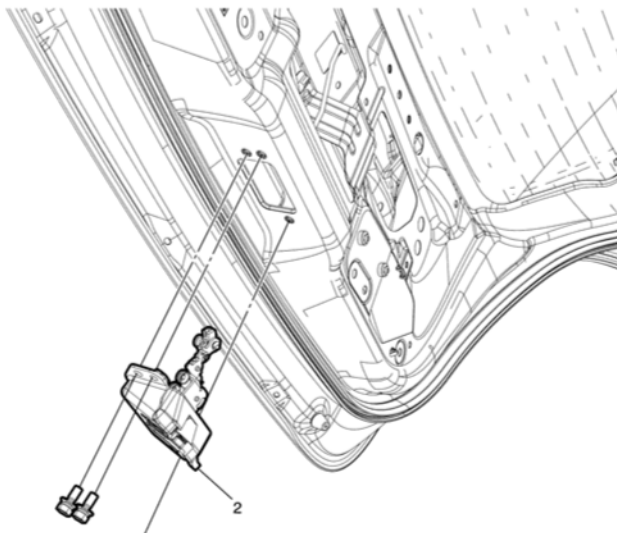
Related Part Information

Part Name	Catalog Name	Part Code
Liftgate Outside Handle	HANDLE,L/GATE O/S	6560A
Liftgate Outside Handle	HANDLE,L/GATE O/S	6560B
Liftgate Outside Handle	HANDLE,L/GATE O/S(W/RR LIC PLT HSG)	1339A
Liftgate Outside Handle	HANDLE KIT,L/GATE O/S	1339Z
Liftgate Outside Handle	HANDLE,L/GATE O/S	1340A
Liftgate Outside Handle	HANDLE,L/GATE O/S	1340B
Liftgate Outside Handle	HANDLE PKG,L/GATE O/S	SJ570
Liftgate Outside Handle	HANDLE PKG,L/GATE O/S	SJ087

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Liftgate Latch Replacement





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Callout	Component Name
Preliminary Procedures	
1. Remove the liftgate trim panel. Refer to Liftgate Trim Panel Replacement .	
2. Remove the liftgate lock cylinder rod.	
3. Remove the liftgate outside handle rod.	
1	Liftgate Latch Bolt (Qty: 2) Caution: Refer to Fastener Caution . Tighten 12 N·m (106 lb·in)
2	Liftgate Latch Assembly

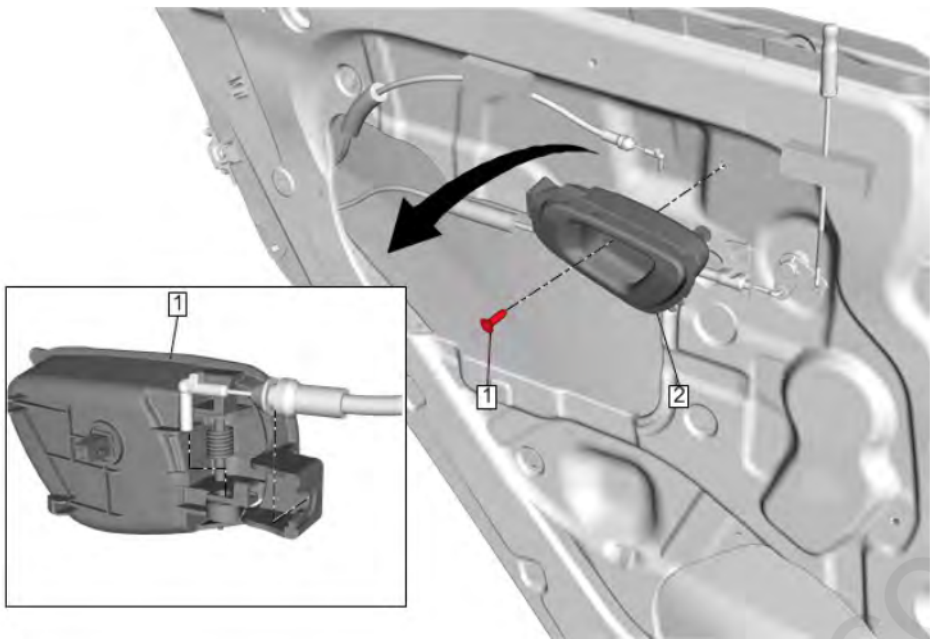
Related Part Information

Part Name	Catalog Name	Part Code
Liftgate Latch	LATCH,L/GATE	5550A
Liftgate Latch	LATCH,L/GATE	1245A
Liftgate Latch	LATCH KIT,L/GATE	1245Z

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Rear Side Door Inside Handle Replacement



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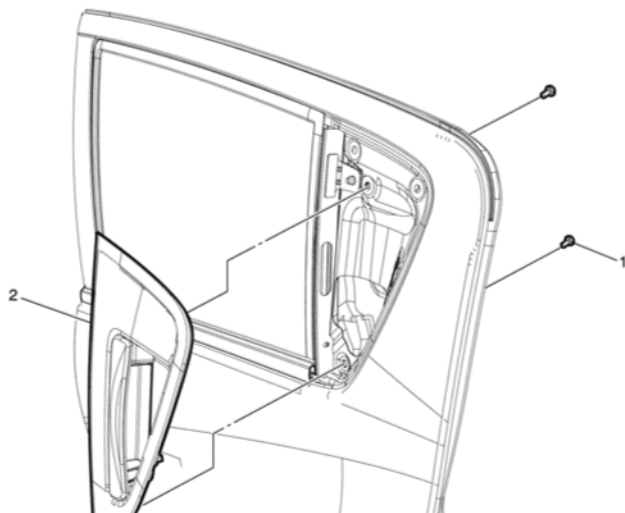
Callout	Component Name
Preliminary Procedures	
1. Rear Side Door Trim Panel Replacement	
2. Rear Side Door Water Deflector Replacement	
1	Rear Side Door Inside Handle Screw Caution : Fastener Caution Tighten 1.5N-m (13 lb in)
2	Rear Side Door Inside Handle Procedure Rear Side Door Inside Handle Cable @ Rear Side Door Inside Handle >> Disconnect

Related Part Information

Part Name	Catalog Name	Part Code
Rear Side Door Inside Handle	HANDLE,RR S/D I/S	1974A
Rear Side Door Inside Handle	HANDLE,RR S/D I/S	1975A
Rear Side Door Inside Handle	HANDLE KIT,RR S/D I/S	7399Z
Rear Side Door Inside Handle	HANDLE,RR S/D I/S	7400A
Rear Side Door Inside Handle	HANDLE,RR S/D I/S	7400B
Rear Side Door Inside Handle	HANDLE,RR S/D I/S (W/LK)	7412A

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Rear Side Door Outside Handle Replacement (Hatchback)





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Callout	Component Name
Preliminary Procedure	
Remove the rear side door upper rear trim panel. Refer to Rear Side Door Upper Rear Trim Panel Replacement .	
1	Rear Side Door Outside Handle Bolt (Qty:â€%02) Caution: Refer to Fastener Caution . Tighten 4.5â€%0N-m (40â€%0lbâ€%0in)
2	Rear Side Door Outside Handle Procedure 1. Remove the rear side door outside handle clip (Qty:â€%02). 2. Remove the rear side door outside handle rod.

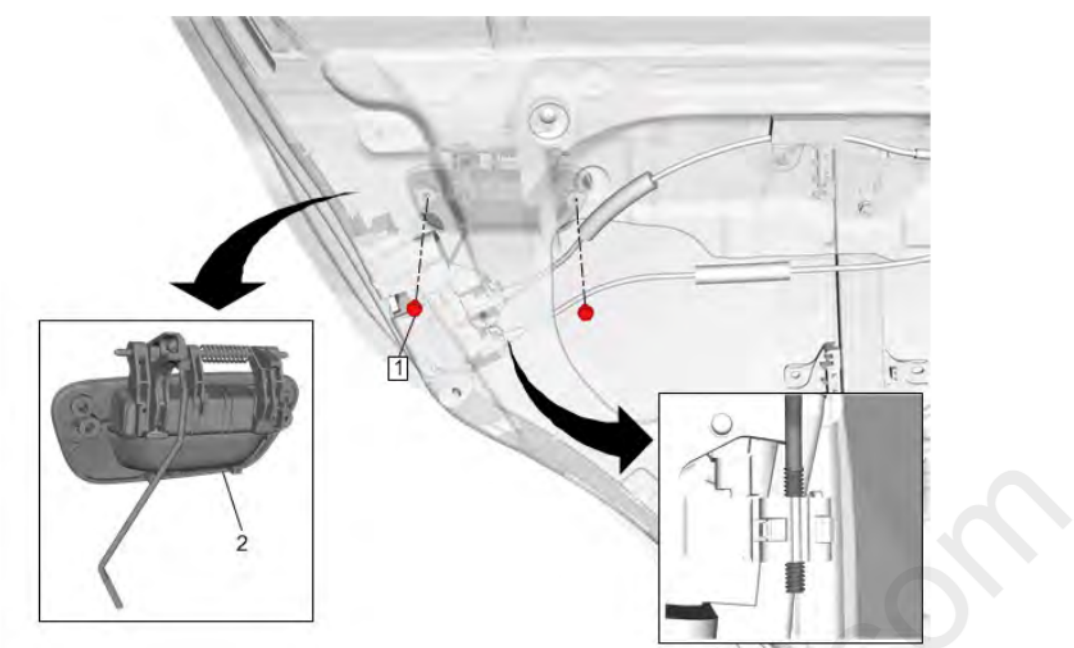
Related Part Information

Part Name	Catalog Name	Part Code
Rear Side Door Outside Handle	HANDLE,RR S/D O/S	2075A
Rear Side Door Outside Handle	HANDLE,RR S/D O/S	2075B
Rear Side Door Outside Handle	HANDLE,RR S/D O/S (RH PROC)	7549X
Rear Side Door Outside Handle	HANDLE PKG,RR S/D O/S	7549Y
Rear Side Door Outside Handle	HANDLE KIT,RR S/D O/S	7549Z
Rear Side Door Outside Handle	HANDLE,RR S/D O/S	7550A
Rear Side Door Outside Handle	HANDLE,RR S/D O/S	7550B
Rear Side Door Outside Handle	HANDLE,RR S/D O/S (RH PROC)	7556A

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Rear Side Door Outside Handle Replacement (Notchback)

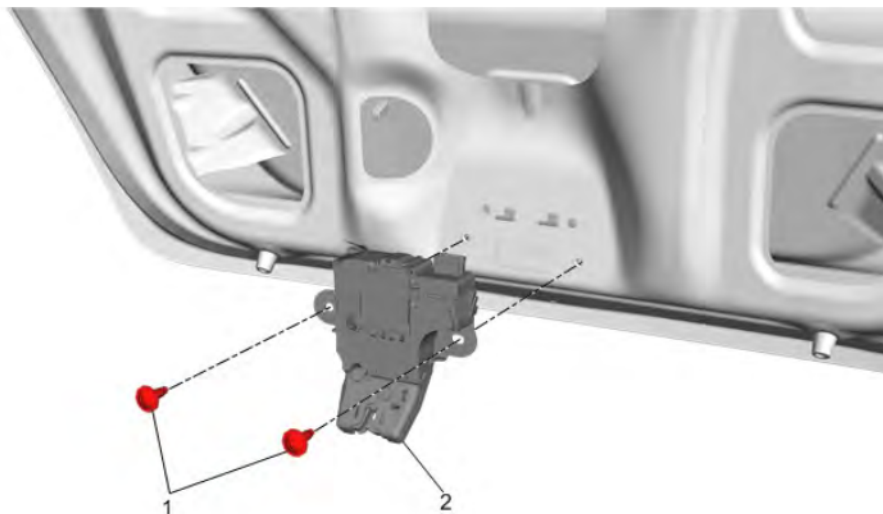


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Callout	Component Name
Preliminary Procedures	
1. Rear Side Door Trim Panel Replacement	
2. Rear Side Door Water Deflector Replacement	
1	Rear Side Door Outside Handle Bolt [2>x] Caution : Fastener Caution Tighten 4.5N-m (40 lb in)
2	Rear Side Door Outside Handle Procedure Rear Side Door Outside Handle Rod @ Rear Side Door Lock >> Disconnect

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Rear Compartment Lid Latch Replacement (Notchback)



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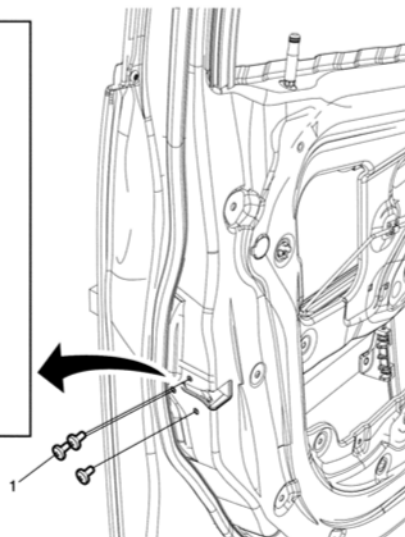
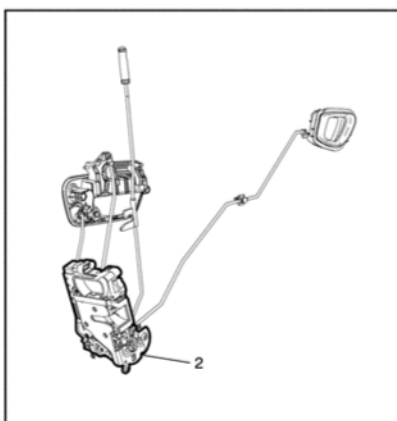
Callout	Component Name
Preliminary Procedures 1. Rear Compartment Lid Lock Cylinder Rod Replacement 2. Rear Compartment Lid Latch Release Cable @ Rear Compartment Lid Latch >> Disconnect - Rear Compartment Lid Latch Release Cable Replacement	
1	Rear Compartment Lid Latch Bolt [2>x] Caution : Fastener Caution Tighten 9>N-m (80 lb in)
2	Rear Compartment Lid Latch

Related Part Information

Part Name	Catalog Name	Part Code
Rear Compartment Lid Latch LATCH,R/CMPT LID 5990A		
Rear Compartment Lid Latch LATCH,R/CMPT LID 6025A		
Rear Compartment Lid Latch LATCH,R/CMPT LID 1030A		

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Front Side Door Lock Replacement





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Callout	Component Name
Preliminary Procedures	
1. Remove the front side door trim. Refer to Front Side Door Trim Panel Replacement .	
2. Remove the water deflector.	
3. Disconnect the front side door outside handle rod, inside handle rod and lock rod.	
1	Front Side Door Lock Screw (Qty:3) Caution: Refer to Fastener Caution . Tighten 8.5N-m (75lb-in)

Callout	Component Name
2	Front Side Door Lock Assembly
	Procedure
	Disconnect the door lock electrical connector.

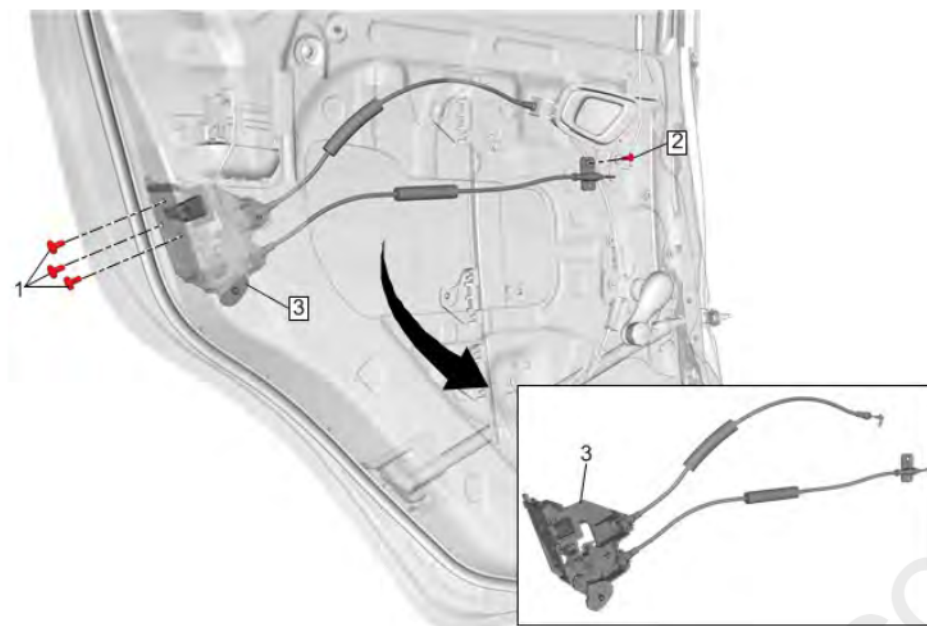
Related Part Information

Part Name	Catalog Name	Part Code
Front Side Door Lock LOCK,FRT S/D		0050A
Front Side Door Lock LOCK KIT,FRT S/D SG102		
Front Side Door Lock LOCK KIT,FRT S/D 0999A		
Front Side Door Lock LOCK,FRT S/D		1000A
Front Side Door Lock LOCK,FRT S/D		1000B

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Rear Side Door Lock Replacement (Notchback)

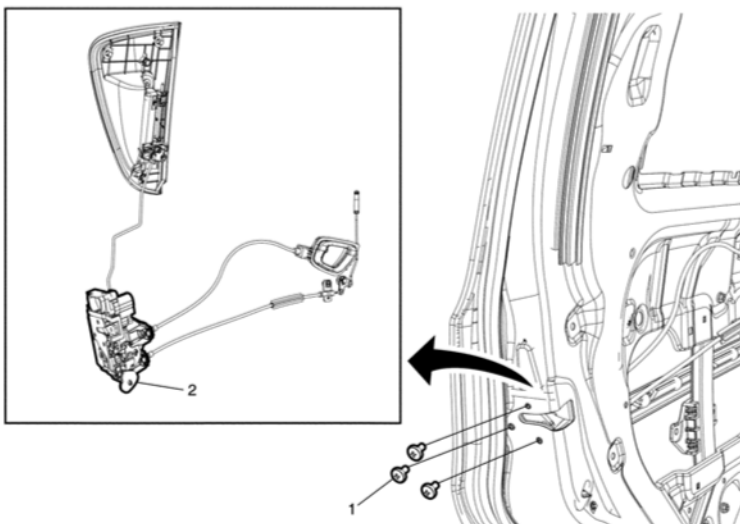


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Callout	Component Name
Preliminary Procedures 1. Rear Side Door Trim Panel Replacement 2. Rear Side Door Water Deflector Replacement 3. Rear Side Door Inside Handle Replacement	
1	Rear Side Door Lock Screw [3>x] Caution : Fastener Caution Tighten 8.5N-m (75 lb in)
2	Rear Side Door Locking Cable Screw Tighten 1.5N-m (13 lb in)
3	Rear Side Door Lock Procedure 1. Unclip and disconnect the electrical connector. 2. Rear Side Door Lock Cable @ Rear Side Door Locking Rod Bell Crank >> Disconnect 3. Rear Side Door Outside Handle Rod @ Rear Side Door Lock >> Disconnect

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Rear Side Door Lock Replacement (Hatchback)





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Callout	Component Name
Preliminary Procedures	
1. Remove the rear side door trim panel. Refer to Rear Side Door Trim Panel Replacement .	
2. Remove the rear side door water deflector.	
3. Disconnect the rear side door outside handle rod, inside handle rod and lock rod.	
1	Rear Side Door Lock Screw (Qty:3) Caution: Refer to Fastener Caution . Tighten 8.5N-m (75lb-in)

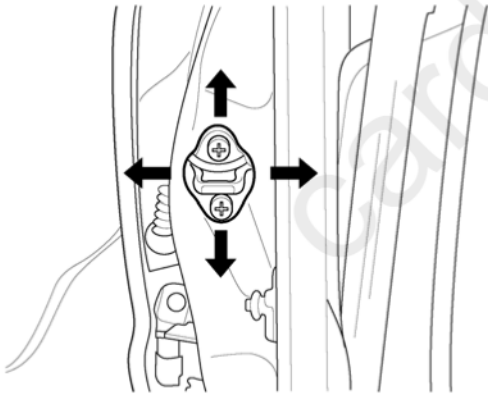
Callout	Component Name
2	Rear Side Door Lock Assembly Procedure Disconnect the door lock electrical connector.

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Door Lock Striker Adjustment

Fore/Aft Adjustment

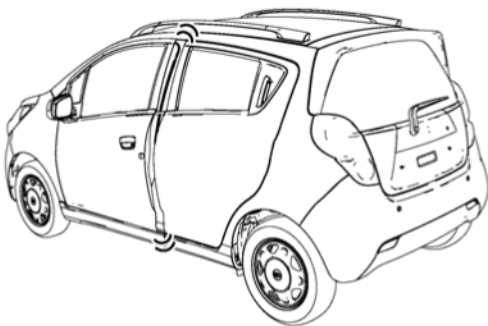


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2. Caution:

When replacing the door lock striker, only use the manufactures replacement part. Do not use a replacement part of a lesser quality or a substitute design. The use of a lesser quality part could lead to an improperly operating door retention system.

3. The door must be properly aligned.

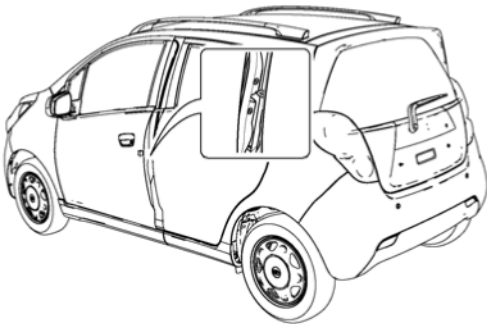


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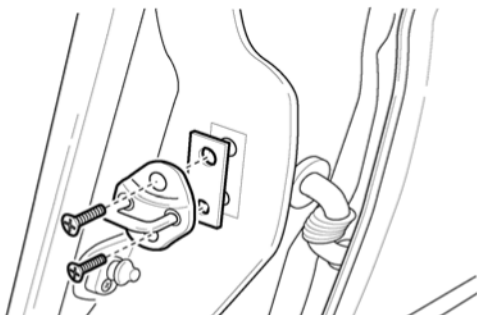
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5. Close the door until the lock fork contacts the striker.

6. Stand next to the door opening and move the door slowly in and out, just touching the striker each time.



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8. The alignment of the lock fork and the striker can be easily seen. The lock fork should be perpendicular to and fall near the middle of the striker. The lock fork should fall near the middle of the striker between the upper/lower center pillar and the end of the striker.





9.

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10. If a fore or aft adjustment is required, use the following steps:

11.

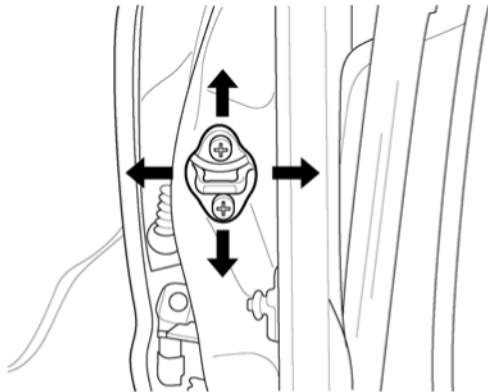
1. Remove the striker screws.
2. Remove the spacer in order to move the striker toward the rear of the vehicle.
3. Add a 2â€mm (0.08â€in) spacer in order to move the striker toward the front of the vehicle.
4. Install the striker screws.

12. Perform the up/down or the in/out adjustment.

Up/Down or In/Out Adjustment

An adjustment of the striker in the up and down or in and out directions may be necessary for a number of reasons:

- Vehicle frame damage as the result of a collision
- Installation of new door weather-stripping
- Customer complaints of excessive windnoise
- Difficulty in opening or closing the door



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In order to adjust the door striker in an up and down or in and out direction, perform the following procedure:

1. The door must be properly aligned.
2. Loosen the striker screws.
3. **Caution:**

In order to oblong the striker mounting hole to assist in further striker adjustment, use a die grinder with a flat-headed grinding bit. This type

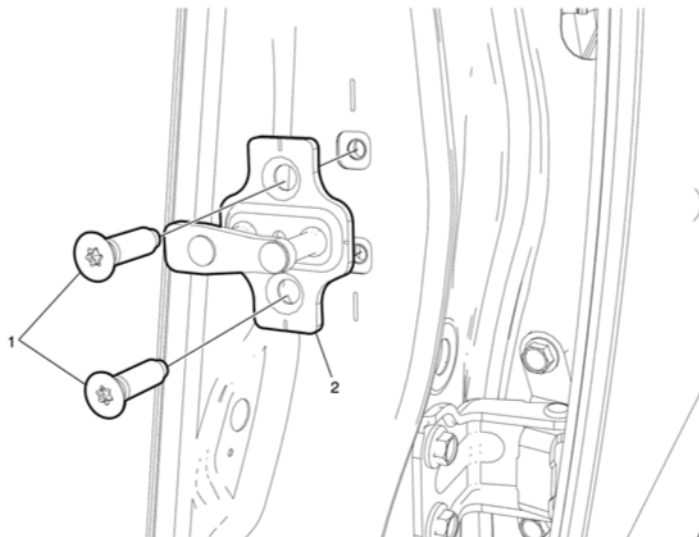
of bit will help to prevent damage to the tapered floating cage plate. The striker and the tapped floating cage plate are important attaching parts that could affect operation of the door closing and latching systems.

4. The floating cage plate can be moved slightly using the ends of the striker screws. Move the floating cage plate to the desired position.
5. If proper adjustment requires that the floating cage plate be moved more than is possible, use an electric hand drill and a 9.5mm (0.375in) rotary file with a flat head in order to enlarge the body opening in the direction required.
6. Tighten the striker screws to the correct position.

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Front Side Door Lock Striker Replacement





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Callout	Component Name
1	Front Side Door Lock Striker Screw (Qty: 2) Caution: Refer to Fastener Caution . Tighten 25 N-m (18 lb-ft)
2	Front Side Door Lock Striker Tip When the striker bolts have been removed, the striker anchor plate could slip down in the door pillar or quarter panel and the trim will need to be removed to gain access.

Related Part Information

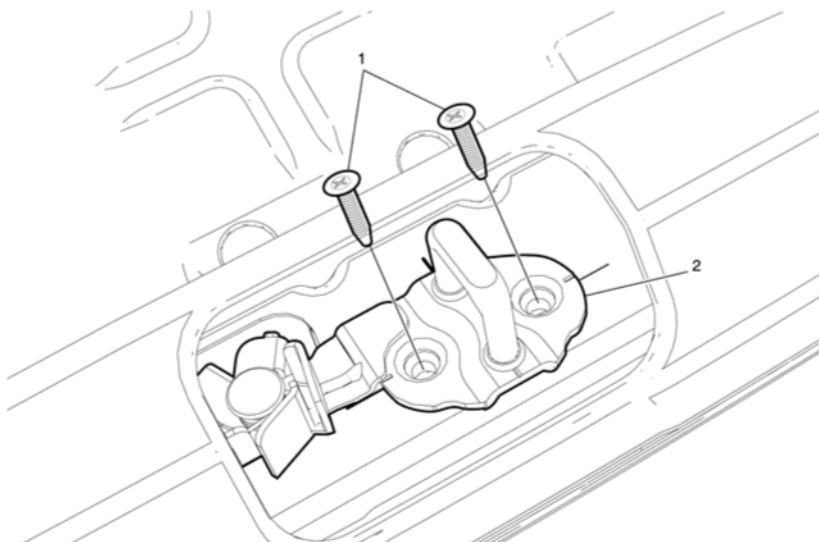
Part Name	Catalog Name	Part Code
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Part Name	Catalog Name	Part Code
Front Side Door Lock Striker	STRIKER,FRT S/D LK 0849A	
Front Side Door Lock Striker	STRIKER,FRT S/D LK 0850A	
Front Side Door Lock Striker	STRIKER,FRT S/D LK 1450A	
Front Side Door Lock Striker	STRIKER,FRT S/D LK 1450B	

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Liftgate Lock Striker Replacement





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Callout	Component Name
Preliminary Procedure	
Open the liftgate.	
1	Liftgate Lock Striker Screw (Qty: 2) Caution: Refer to Fastener Caution . Tighten 20 N-m (15 lb-ft)
2	Liftgate Lock Striker Procedure Disconnect the lock cable.

Related Part Information

Part Name	Catalog Name	Part Code
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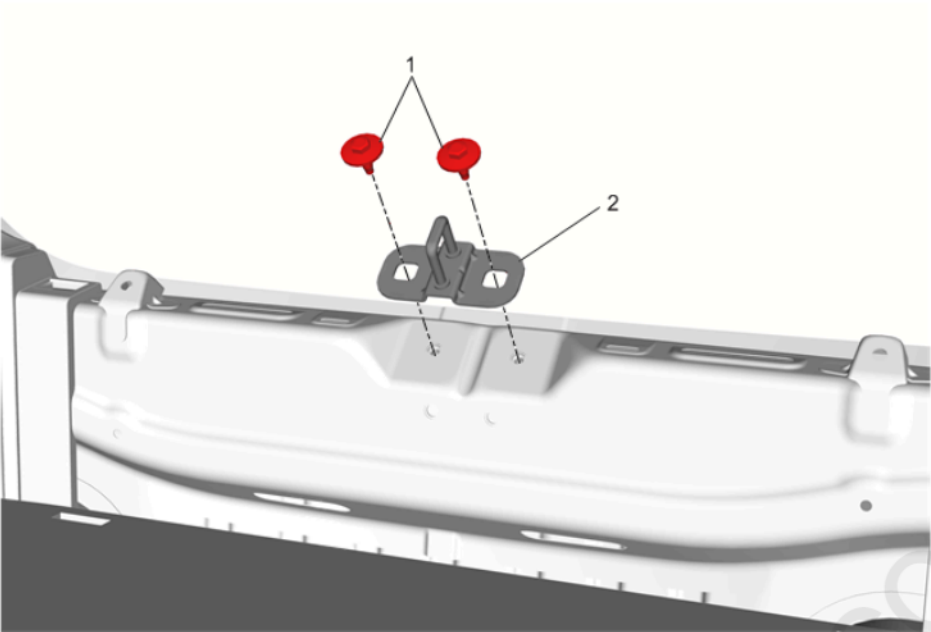
Liftgate Lock Striker STRIKER,L/GATE LK 6440A		
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Liftgate Lock Striker STRIKER,L/GATE LK 1235A		
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Rear Compartment Lid Latch Striker Replacement (Notchback)

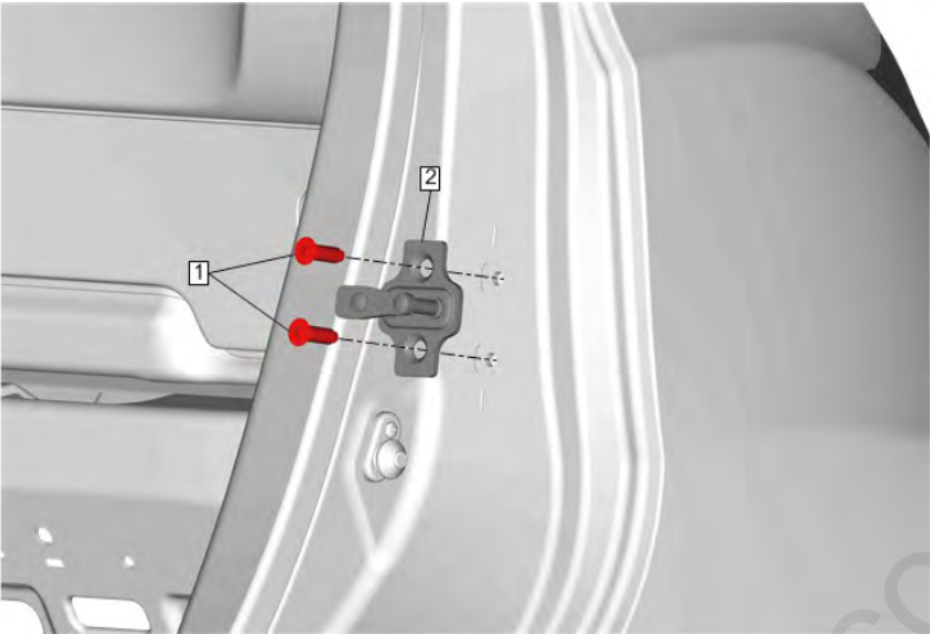


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Callout	Component Name
Preliminary Procedure	
Rear End Trim Cover Panel Replacement	
1	Rear Compartment Lid Latch Striker Bolt [2>x] Caution : Fastener Caution Tighten 9>N-m (80 lb in)
2	Rear Compartment Lid Latch Striker

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Rear Side Door Lock Striker Replacement



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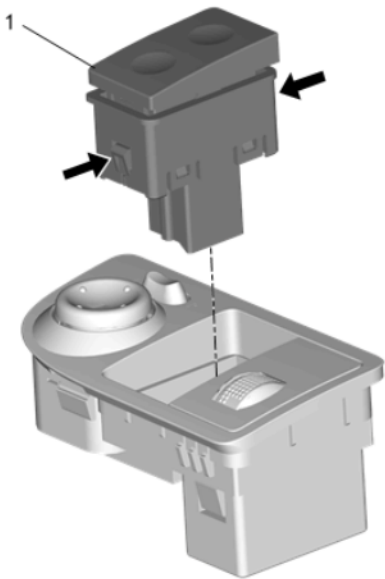
Callout	Component Name
1	Rear Side Door Lock Striker Screw [2>x]
	Caution :
	Fastener Caution
	Tighten 30N-m (22 lb ft)
2	Rear Side Door Lock Striker
	Procedure Ensure proper alignment after installation. Door Lock Striker Adjustment

Related Part Information

Part Name	Catalog Name	Part Code
Rear Side Door Lock Striker	STRIKER,RR S/D LK 1750A	
Rear Side Door Lock Striker	STRIKER,RR S/D LK 1775A	
Rear Side Door Lock Striker	STRIKER,RR S/D LK 6150A	
Rear Side Door Lock Striker	STRIKER,RR S/D LK 6150B	

- 1. BODY SYSTEMS
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- 3. REPAIR INSTRUCTIONS
- 4.

Lifgate Release Switch Replacement



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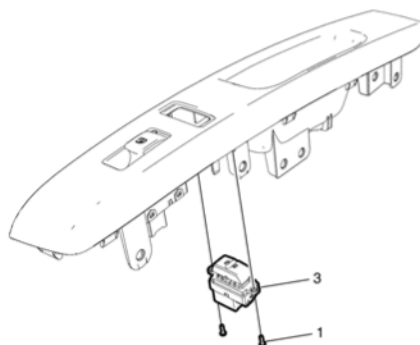
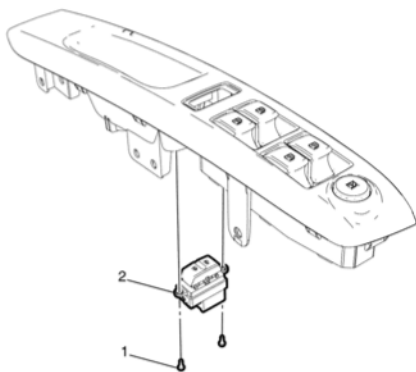
Callout	Component Name
Preliminary Procedure	
Instrument Panel Multifunction Switch Replacement	
1	Lifgate Release Switch
	Procedure
	Release the retaining tabs and remove the lifgate release switch from the switch bracket.

Related Part Information

Part Name	Catalog Name	Part Code
Lifgate Release Switch SWITCH,L/GATE REL 6414L		

1. BODY SYSTEMS
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Door Lock Switch Replacement



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Callout	Component Name
Preliminary Procedure	
Remove the front side door windows switch bezel from the door trim. Refer to Front Side Door Window Switch Bezel Replacement .	
1	Door Lock Switch Screw Caution: Refer to Fastener Caution .
2	Door Lock Switch " Driver Side
3	Door Lock Switch " Passenger Side

Related Part Information

Part Name	Catalog Name	Part Code
Door Lock Switch	SWITCH,DR LK 2630A	
Door Lock Switch	SWITCH,DR LK 8500A	

Specifications

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1. BODY SYSTEMS
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Fastener Specifications

Reusable Threaded Fastener Tightening Specifications

Application	Specification
	Metric (English)
Note:	
All fasteners listed in this table can be reused after removal.	
Front Side Door Inside Handle Screw	1.5â€‰N-mâ€‰(13â€‰%lbâ€‰%in)
Front Side Door Lock Cylinder Bolt	4.5â€‰N-mâ€‰(40â€‰%lbâ€‰%in)
Front Side Door Lock Screw	8.5â€‰N-mâ€‰(75â€‰%lbâ€‰%in)
Front Side Door Lock Striker Screw	25â€‰N-mâ€‰(18â€‰%lbâ€‰%ft)
Front Side Door Outside Handle Bolt	4.5â€‰N-mâ€‰(40â€‰%lbâ€‰%in)
Fuel Tank Filler Door Latch Release Cable Lever Bolt	8â€‰N-mâ€‰(71â€‰%lbâ€‰%in)
Liftgate Latch Bolt	12â€‰N-mâ€‰(106â€‰%lbâ€‰%in)
Liftgate Lock Actuator Nut	9â€‰N-mâ€‰(80â€‰%lbâ€‰%in)
Liftgate Lock Cylinder Nut	5â€‰N-mâ€‰(44â€‰%lbâ€‰%in)
Liftgate Lock Striker Screw	20â€‰N-mâ€‰(15â€‰%lbâ€‰%ft)
Liftgate Outside Handle Nut	5â€‰N-mâ€‰(44â€‰%lbâ€‰%in)
Rear Closure Center Applique Nut	5â€‰N-mâ€‰(44â€‰%lbâ€‰%in)
Rear Compartment Lid Latch Bolt	9â€‰N-mâ€‰(80â€‰%lbâ€‰%in)
Rear Compartment Lid Latch Striker Bolt	9â€‰N-mâ€‰(80â€‰%lbâ€‰%in)
Rear Side Door Inside Handle Screw	1.5â€‰N-mâ€‰(13â€‰%lbâ€‰%in)
Rear Side Door Lock Screw	8.5â€‰N-mâ€‰(75â€‰%lbâ€‰%in)
Rear Side Door Locking Cable Screw	1.5â€‰N-mâ€‰(13â€‰%lbâ€‰%in)
Rear Side Door Outside Handle Bolt	4.5â€‰N-mâ€‰(40â€‰%lbâ€‰%in)

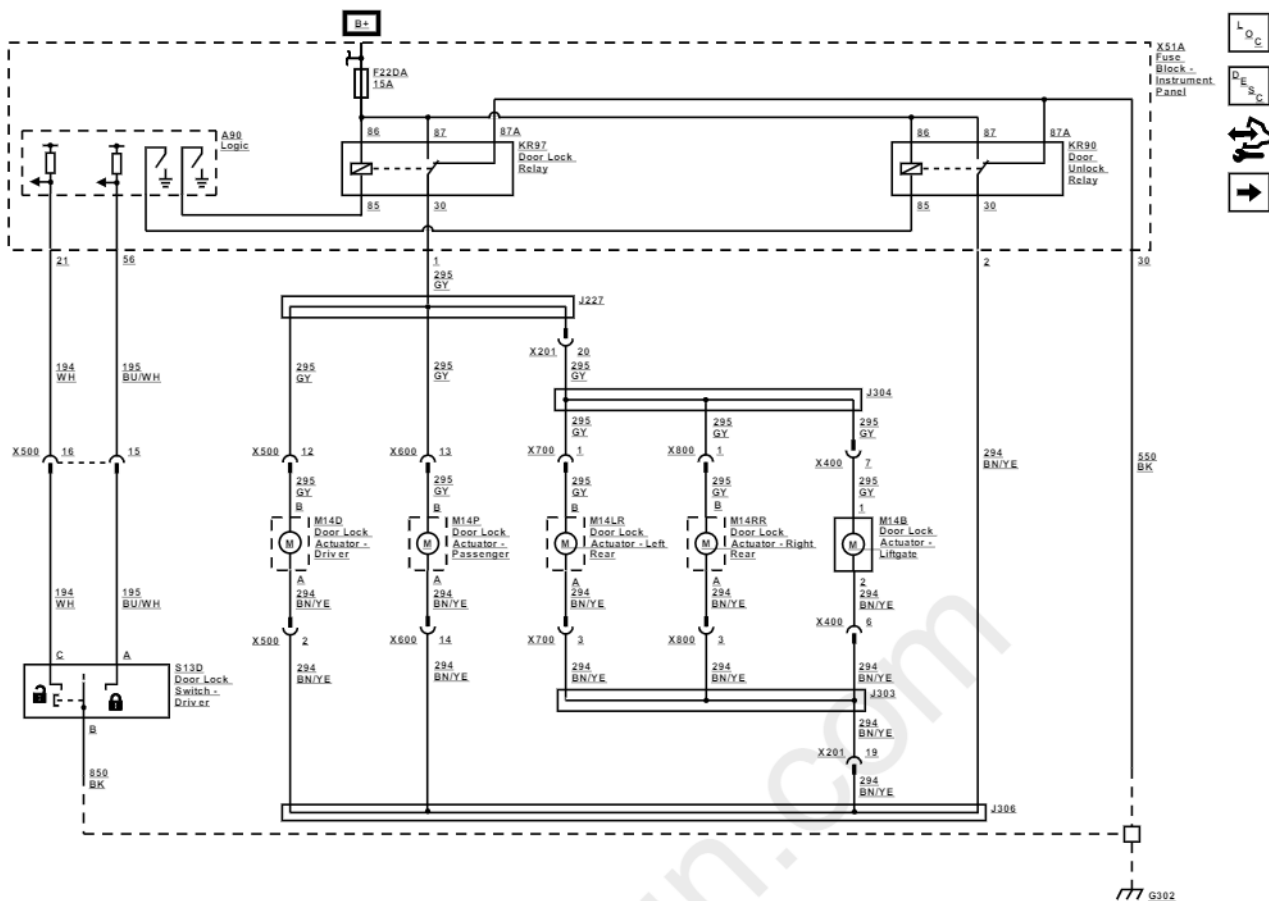
Schematic and Routing Diagrams

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Door Lock|Indicator Schematics

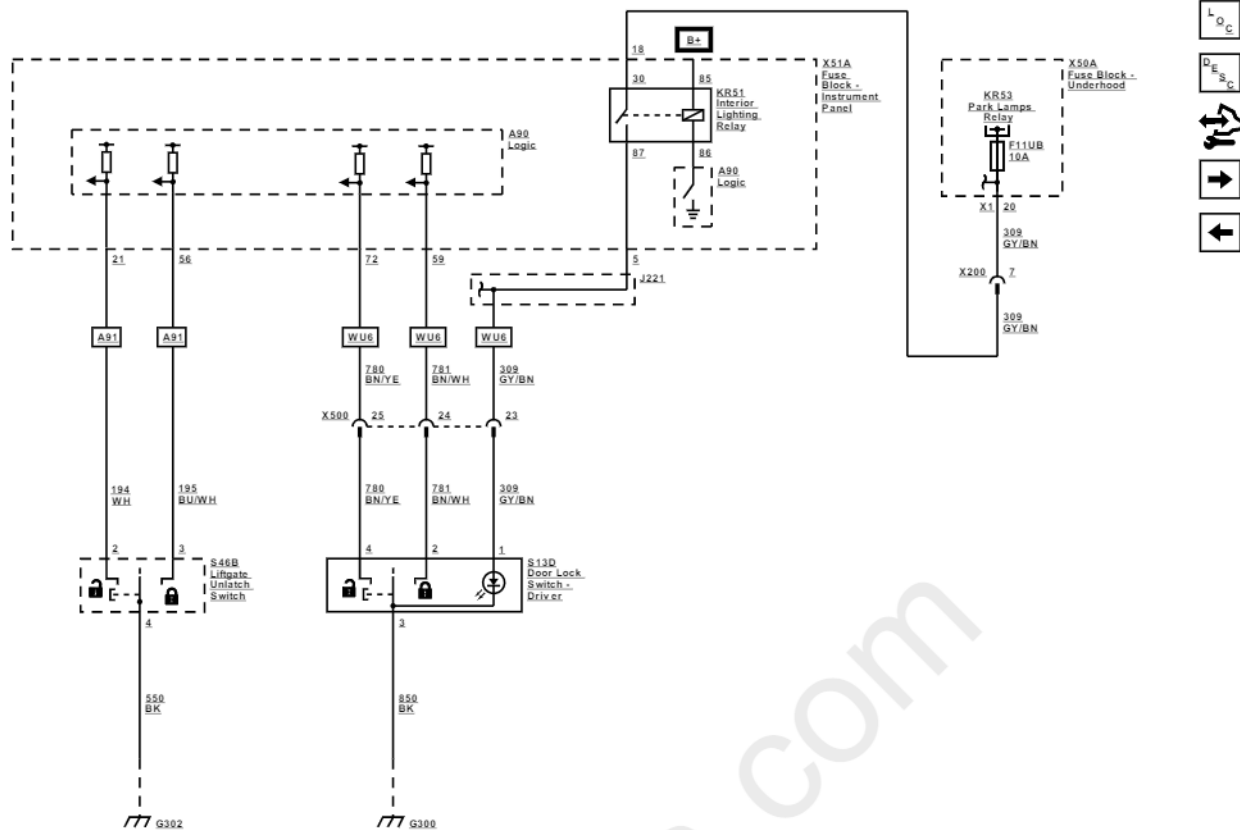
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Door Lock Actuators and Door Lock Switch (AU3 or AU4)



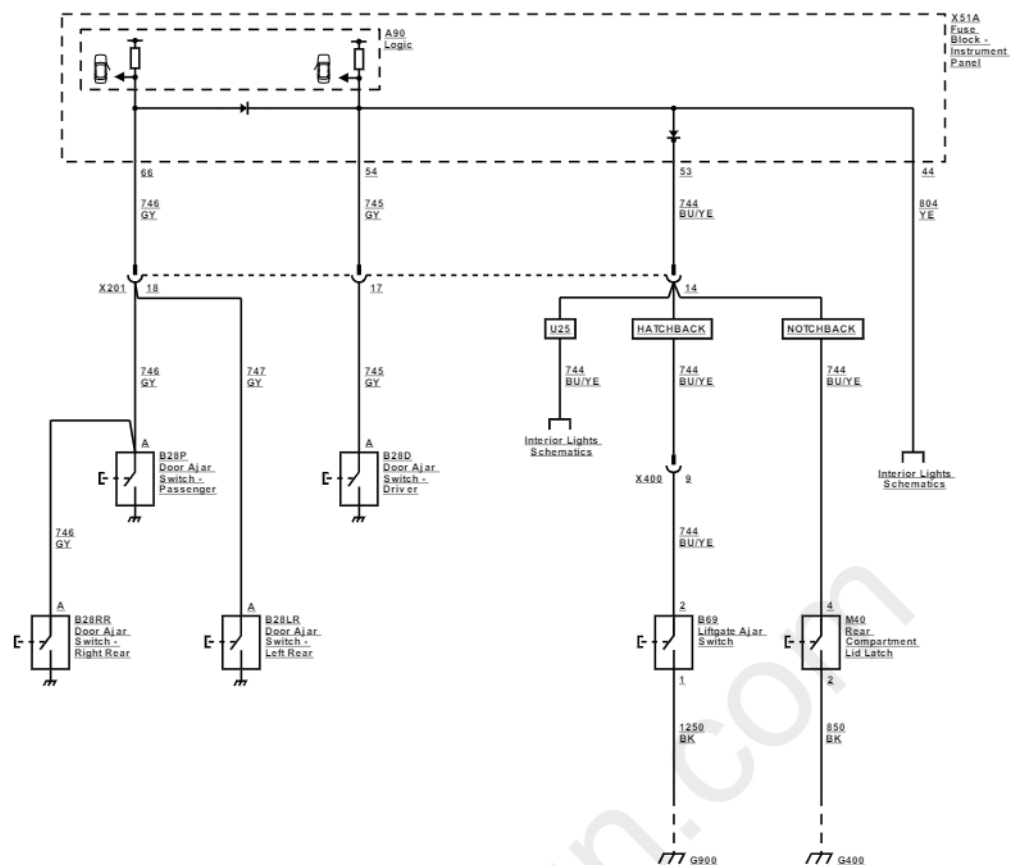
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Liftgate Unlatch Switch (A91) and Door Lock Switch (WU6)



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Door Lock Indicators/Rear Closures



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