

2010 RESTRAINTS

Seat Belts - Equinox & Terrain

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Application	Specification	
	Metric	English
Front Seat Belt Bolt	45 N.m	33 lb ft
Front Seat Belt Buckle Bolt	45 N.m	33 lb ft
Front Seat Retractor Side Belt Bolt	45 N.m	33 lb ft
Front Seat Shoulder Belt Guide Adjuster Bolt	45 N.m	33 lb ft
Rear Seat Shoulder Belt Anchor Plate Bolt	45 N.m	33 lb ft
Rear Seat Center Belt Buckle Bolt	45 N.m	33 lb ft
Rear Seat Belt Buckle Bolt	45 N.m	33 lb ft
Rear Seat Center Shoulder Belt Retractor Nut	45 N.m	33 lb ft
Rear Seat Belt Retractor Bolt	45 N.m	33 lb ft

SCHEMATIC AND ROUTING DIAGRAMS

SEAT BELT SCHEMATICS

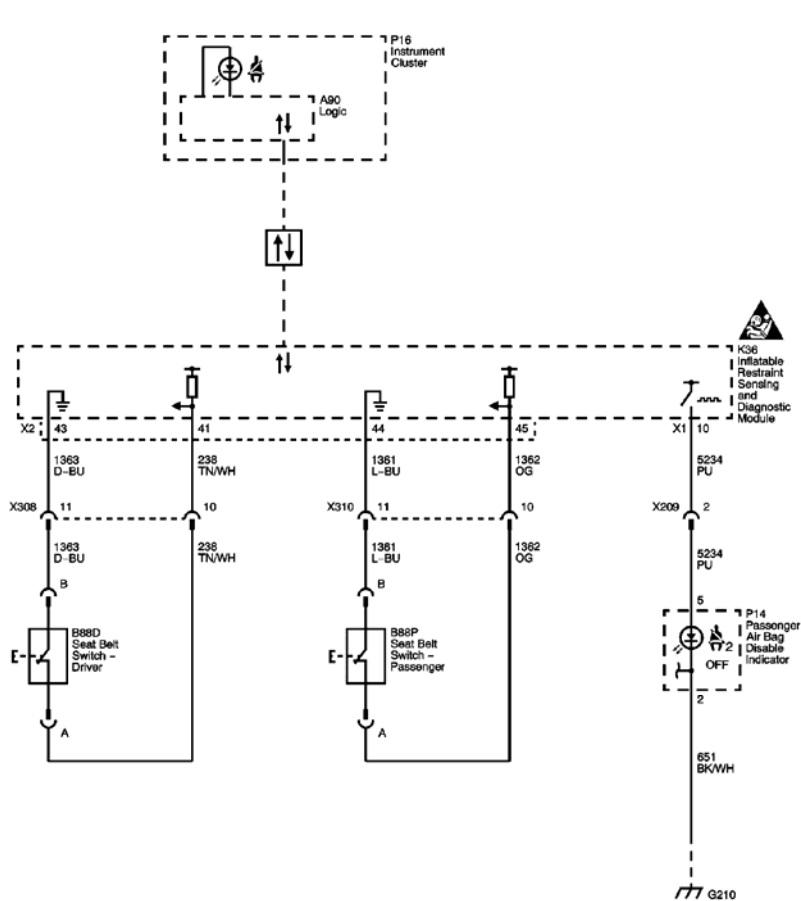


Fig. 1: Seat Belt
Courtesy of GENERAL MOTORS CORP.

DIAGNOSTIC INFORMATION AND PROCEDURES

SEAT BELT SYSTEM OPERATIONAL AND FUNCTIONAL CHECKS

Front and Rear Seat Belt Retractors

Front and rear seat belt retractors will lock under the following conditions:

- The vehicle exceeds a 15 degree angle
- The vehicle exceeds 0.60 g of deceleration force
- The webbing is pulled out of the retractor rapidly
- During hard cornering or while descending a winding downhill grade
- While braking to stop at a downhill intersection

All retractors will unlock when 25.4 mm (1 in) of the belt is fed back into the retractor.

Static Test

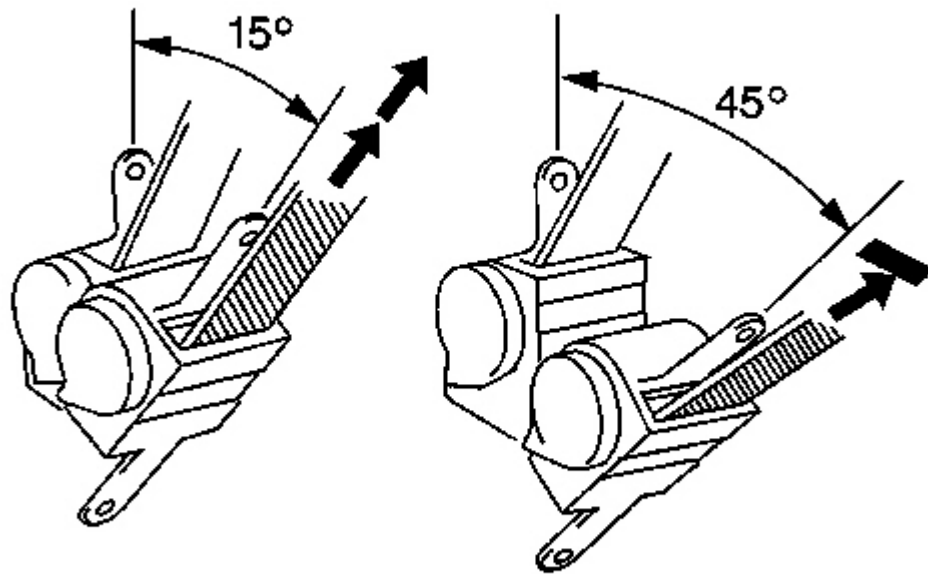


Fig. 2: Checking Seat Belt Retractor Inclination
Courtesy of GENERAL MOTORS CORP.

1. Remove the retractor assembly.
2. Tilt the retractor slowly.
3. Verify that the belt can be pulled out of the retractor at an inclination of 15 degrees or less, but not at an inclination of 45 degrees or more.

Static Test Seat Belts with Child Hold-Out Mechanism (CHOM) Feature

Front Passenger Seat, Rear Outboard Seats

1. Pull the seat belts all the way out of the retractor.
2. Feed a few inches of belt back into the retractor and listen for the audible clicking of the child hold-out mechanism (CHOM) system.
3. Verify that the belt cannot be pulled out of the retractor.
4. Feed the seat belt all of the way into the retractor and verify that the belt returns to normal operating conditions.

If the seat belt webbing will not retract, refer to **Seat Belt Does Not Retract**.

Safety Belt Operational Checks

Front and Rear Restraints

The front seats and rear seats have a three-point seat belt system with a seat belt retractor. The rear seat latch plate should move up and down easily on the belt. An audible click should be heard when the front or rear latch plate is inserted into the buckle. Inspect the attachment of the latch plate to the buckle by grasping the belt and pulling firmly. The belt should disconnect easily when the button on the buckle is pushed in.

SYMPTOMS - SEAT BELTS

NOTE: Review the seat belt system description and operation in order to familiarize yourself with the system and how it functions. Refer to Seat Belt System Description and Operation.

Visual/Physical Inspection

- Inspect for aftermarket devices which could affect the operation of the seat belt 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 following symptom diagnostic procedure in order to diagnose the symptom:

- Seat Belt Indicator Circuit Malfunction - Driver
- Seat Belt Indicator Circuit Malfunction - Passenger

SEAT BELT DOES NOT RETRACT

1. Grab the seat belt webbing and slowly and firmly extract 15-25 mm (5/8-1 in) of webbing from the seat belt.
2. Release the seat belt and allow the webbing to slowly retract back into the retractor.
3. Check to see if the seat belt is released. If the seat belt is not released, repeat steps 1 and 2, two times more.
4. If the retractor does not release after repeating the steps, replace with a new retractor.

SEAT BELT INDICATOR CIRCUIT MALFUNCTION - DRIVER

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	High Resistance	Open	Short to Voltage	Signal Performance
Driver Seat Belt Switch Signal	1	2	2	2	-
Driver Seat Belt Switch Low Reference	-	2	2	2	-
1. Indicator will remain ON with seat belt buckled. 2. Indicator will illuminate only for the bulb check.					

Circuit/System Description

The driver seat belt switch is a 2-wire switch wired to the inflatable restraint sensing and diagnostic module (SDM) using a signal circuit and a low reference circuit. When the seat belt is unbuckled the switch is closed, and when the seat belt is buckled the switch is open. The SDM sends the status of the driver seat belt via serial data to the instrument panel cluster. After receiving the message, the instrument panel cluster controls the illumination of the driver seat belt indicator.

Reference Information

Schematic Reference

Seat Belt Schematics

Connector End View Reference

Component Connector End Views

Description and Operation

Seat Belt System Description and Operation

Electrical Information Reference

- **Circuit Testing**
- **Connector Repairs**
- **Testing for Intermittent Conditions and Poor Connections**
- **Wiring Repairs**

Scan Tool Reference

Control Module References for scan tool information

Circuit/System Verification

1. Ignition ON, with a scan tool command the instrument cluster to turn on all indicators and verify the driver seat belt indicator is illuminated for 5 seconds.
 - If the indicator does not illuminate, replace the P16 instrument panel cluster.
2. With the scan tool, monitor the Driver Seat Belt Status parameter while buckling and unbuckling the seat belt. The parameter should display Buckled and Unbuckled when buckling and unbuckling the seat belt.

Circuit/System Testing

NOTE: When removing connectors, inspect for damage or corrosion. Damage or corrosion in the following requires repair or replacement of the affected component/connector:

- **B88 Seat belt switch**
- **Seat belt switch harness connector**
- **K36 SDM**
- **SDM wiring harness connector**

1. Ignition OFF, disconnect the harness connector at the B88 seat belt switch.
2. Test for less than 5 ohms between the ground circuit terminal B and ground.
 - If greater than the specified range, test the ground circuit for an open/high resistance. If the circuit tests normal replace the K36 SDM.
3. Ignition ON, verify the scan tool Driver Seat Belt Status parameter displays Buckled.
 - If not the specified value, test the signal circuit terminal A for a short to ground. If the circuit tests normal replace the K36 SDM.
4. Install a 3 A fused jumper wire between the circuit terminal A and the ground circuit terminal B. Verify the scan tool Driver Seat Belt Status parameter displays Unbuckled.
 - If not the specified value, test the signal circuit for a short to voltage or an open/high resistance. If the circuit tests normal, replace the K36 SDM.
5. If all circuits test normal, test or replace the B88 seat belt switch.

Component Testing

1. Ignition OFF, disconnect the harness connector at the B88 seat belt switch.
2. Test for infinite resistance between the signal circuit terminal A and the ground terminal B, at the switch, with the switch in the open position.
 - If not the specified value, replace the B88 seat belt switch.
3. Test for less than 5 ohms between the signal circuit terminal A and the ground terminal B, at the switch, with the switch in the closed position.
 - If greater than the specified range, replace the B88 seat belt switch.

Repair Procedures

Perform the **Diagnostic Repair Verification** after completing the diagnostic procedure.

- **Driver or Passenger Seat Belt Buckle Replacement**
- **Control Module References** for SDM and instrument panel cluster replacement, setup, and programming

SEAT BELT INDICATOR CIRCUIT MALFUNCTION - PASSENGER

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	High Resistance	Open	Short to Voltage	Signal Performance
Passenger Seat Belt Switch Signal	1	2	2	2	-
Passenger Seat Belt Switch Low Reference	-	2	2	2	-
1. Indicator will remain ON with seat belt buckled. 2. Indicator will illuminate only for the bulb check.					

Circuit/System Description

When an individual is sitting in the passenger seat the passenger presence sensor detects the individual. A signal to the SDM indicates a person is in the passenger seat. The SDM will turn the passenger seat belt indicator on. The passenger seat belt switch is a 2-wire switch wired to the inflatable restraint sensing and diagnostic module (SDM) using a signal circuit and a low reference circuit. When the seat belt is unbuckled the switch is closed, and when the seat belt is buckled the switch is open. The SDM sends the status of the passenger seat belt via a hard wire to the passenger air bag disable switch. After receiving the message, the passenger air bag disable switch controls the illumination of the passenger seat belt indicator.

Reference Information

Schematic Reference

Seat Belt Schematics

Connector End View Reference

Component Connector End Views

Description and Operation

Seat Belt System Description and Operation

Electrical Information Reference

- Circuit Testing
- Connector Repairs
- Testing for Intermittent Conditions and Poor Connections
- Wiring Repairs

Scan Tool Reference

Control Module References for scan tool information

Circuit/System Verification

1. Ignition ON, have someone sit in the passenger seat. With a scan tool verify the Automatic Occupant Sensing Current Front Occupancy Status indicates Occupied.
 - If the scan tool does not indicate Occupied, test the passenger presence sensor signal circuit and the low reference circuit for an open or short. If the circuits test normal, replace the passenger presence sensor. Refer to Inflatable Restraint Front Passenger Presence Sensor Replacement .
2. Ignition ON, with a scan tool perform the Passenger Seat Belt Reminder Indicator On/Off Control Function and verify the passenger seat belt indicator turns on and off.
 - If the indicator is always ON or always OFF, refer to Seat Belt Indicator Malfunction.
3. With the scan tool monitor the Passenger Seat Belt Status parameter while buckling and unbuckling the seat belt. The parameter should display Buckled and Unbuckled when buckling and unbuckling the seat belt.
 - If the values do not change, refer to Seat Belt Switch Malfunction.

Circuit/System Testing

Seat Belt Switch Malfunction

NOTE: When removing connectors inspect for damage or corrosion. Damage or corrosion in the following requires repair or replacement of the affected component/connector:

- B88 Seat belt switch
- Seat belt switch harness connector
- K36 SDM
- SDM harness connector

1. Ignition OFF, disconnect the harness connector at the B88 passenger seat belt switch.

2. Ignition OFF, test for less than 1 ohms between the low reference circuit terminal B and ground.
 - If greater than the specified range, test the low reference circuit for an open/high resistance. If the circuit tests normal, replace the K36 SDM.
3. Ignition ON, verify the scan tool Passenger Seat Belt Status parameter displays Buckled.
 - If not the specified value, test the signal circuit for a short to ground. If the circuit tests normal replace the K36 SDM.
4. Install a 3 A fused jumper wire between the signal circuit terminal A and the low reference circuit terminal B. Verify the scan tool Passenger Seat Belt Status parameter displays Unbuckled.
 - If not the specified value, test the signal circuit for a short to voltage or an open/high resistance. If the circuit tests normal, replace the K36 SDM.
5. If all circuits test normal, replace the B88 seat belt switch. Refer to **Driver or Passenger Seat Belt Buckle Replacement**.

Seat Belt Indicator Malfunction

1. Ignition OFF, disconnect the harness connector at the P14 passenger air bag disable indicator.
2. Test for less than 1 ohms between the ground circuit terminal 2 and ground.
 - If greater than the specified range, test the ground circuit for an open/high resistance.
3. Connect a test lamp between the control circuit terminal 5 and ground.
4. Ignition ON, command the Passenger Seat Belt Reminder Indicator ON and OFF with a scan tool. The test lamp should turn ON and OFF while changing between the commanded states.
 - If the test lamp is always ON, test the control circuit for a short to voltage. If the circuit tests normal, replace the K36 SDM.
 - If the test lamp is always OFF, test the control circuit for a short to ground or an open/high resistance. If the circuit tests normal, replace the K36 SDM.
5. If all circuit test normal, test or replace the P14 passenger air bag disable indicator. Refer to **Inflatable Restraint Instrument Panel Module Indicator Replacement**.

Component Testing

1. Ignition OFF, disconnect the harness connector at the B88 seat belt switch.
2. Test for infinite resistance between the signal circuit terminal A and the low reference terminal B, at the switch, with the switch in the open position.
 - If less than the specified value, replace the B88 seat belt switch. Refer to **Driver or Passenger Seat Belt Buckle Replacement**.
3. Test for less than 1 ohms between the signal circuit terminal A and the low reference terminal B, at the switch, with the switch in the closed position.
 - If greater than the specified range, replace the B88 seat belt switch. Refer to **Driver or Passenger Seat Belt Buckle Replacement**.

Repair Procedures

Perform the **Diagnostic Repair Verification** after completing the diagnostic procedure.

Control Module References for SDM and instrument panel cluster replacement, setup, and programming

REPAIR INSTRUCTIONS

REPAIRS AND INSPECTIONS REQUIRED AFTER A COLLISION

WARNING: Restraint systems can be damaged in a collision. To help avoid injury and ensure that all parts in need of replacement are replaced:

- Replace any seat belt system that was in use during the collision serious enough to deploy any automatic restraint device such as air bags and seat belt pretensioners. This not only includes seat belt systems in use by people of adult size, but seat belt systems used to secure child restraints, infant carriers and booster seats, including LATCH system and top tether anchorages.
- Replace any seat belt system that has torn, worn, or damaged components. This not only includes adult seat belt systems, but built-in child restraints and LATCH system components, if any.
- Replace any seat belt system if you observe the words "REPLACE" or "CAUTION", or if a yellow tag is visible. Do not replace a seat belt if only the child seat caution label is visible.
- Replace any seat belt system if you are doubtful about its condition. This not only includes adult seat belt systems, but built-in child restraints, LATCH system components, and any restraint system used to secure infant carriers, child restraints, and booster seats.

Do NOT replace single seat belt system components in vehicles that have been in a collision as described above. Always replace the entire seat belt system with the buckle, guide and retractor assembly, which includes the latch and webbing material.

After a minor collision where no automatic restraint device was deployed, seat belt system replacement may not be necessary, unless some of the parts are torn, worn, or damaged.

SEAT BELT LATCH STOP INSTALLATION

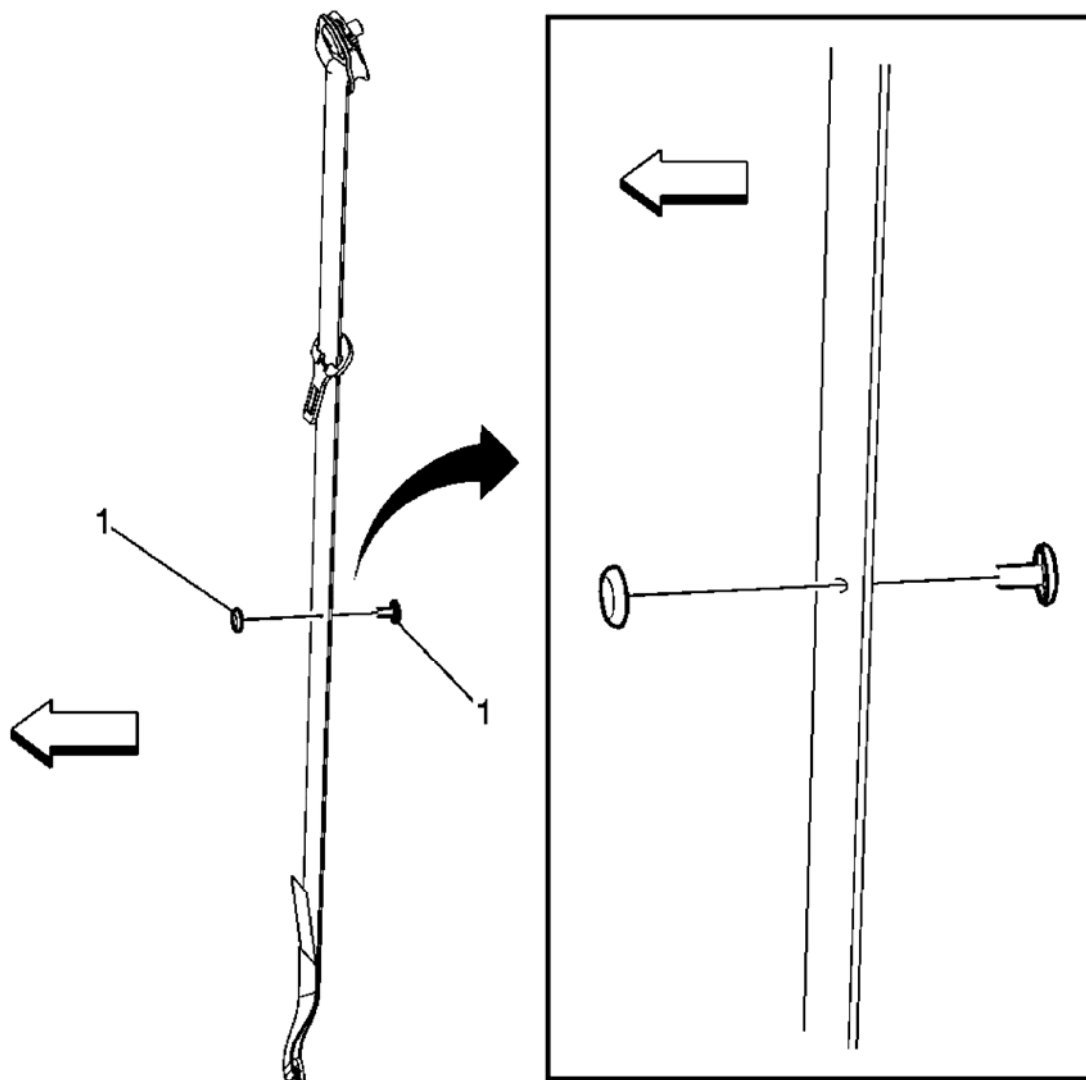


Fig. 3: Seat Belt Latch Stop

Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedure 1. Locate the hole in the seat belt webbing where the original seat belt stop button was located. 2. If the original hole in the seat belt webbing is not visible, perform the following: • If either the right or left stop button is missing use the opposing seat belt as a reference. • With the opposing seat belt fully stowed, measure the distance between the seat belt lower anchor and the stop button. • Using the measurement obtained above, measure and mark the location of the missing stop button on the center of the seat belt webbing.	

3. Ensure the seat belt latch plate is located above the mark or original hole.	
1	Seat Belt Stop Button Procedure 1. Work the male half of the stop button through the hole in the webbing or at the marked location. 2. Align the female half of the stop button with the male half of the stop button. 3. Snap the two halves together. 4. Trim off any excess of the male half of the stop button flush with the female half of the stop button. Tip: Ensure the male half of the stop button is facing forward in the vehicle in order to ensure the stop button will not snag customers clothing.

DRIVER OR PASSENGER SEAT BELT BUCKLE REPLACEMENT

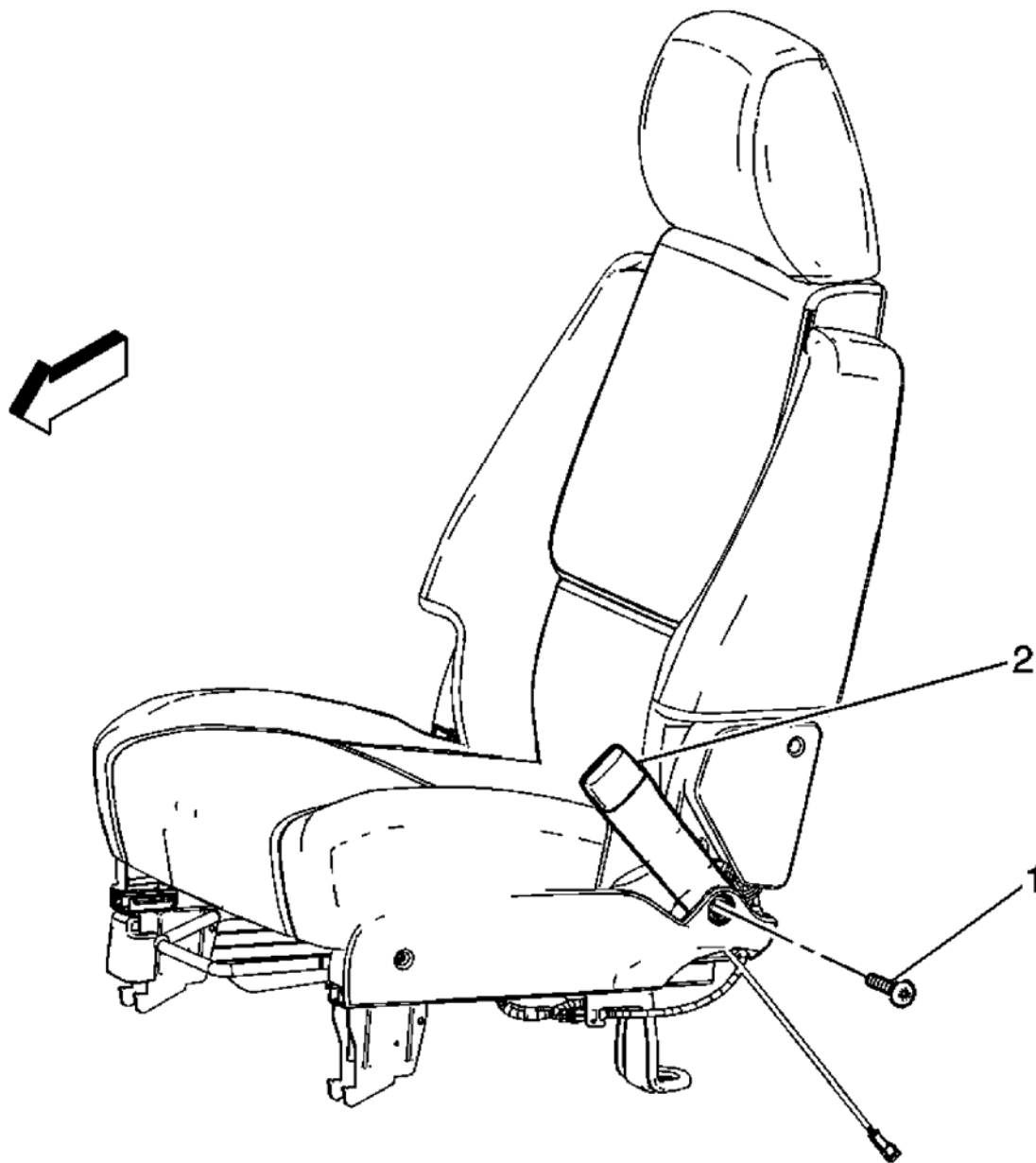


Fig. 4: Driver Or Passenger Seat Belt Buckle
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Front Seat Belt Buckle Bolt CAUTION: Refer to <u>Fastener Caution</u> . Tighten: 45 N.m (33 lb ft)

	Front Seat Belt Buckle
2	Procedure 1. Disconnect the electrical connector under the seat. 2. Slide the buckle assembly upwards and out from between the seat cushion and the seat cushion inner trim panel.

REAR SEAT BUCKLE SIDE BELT REPLACEMENT

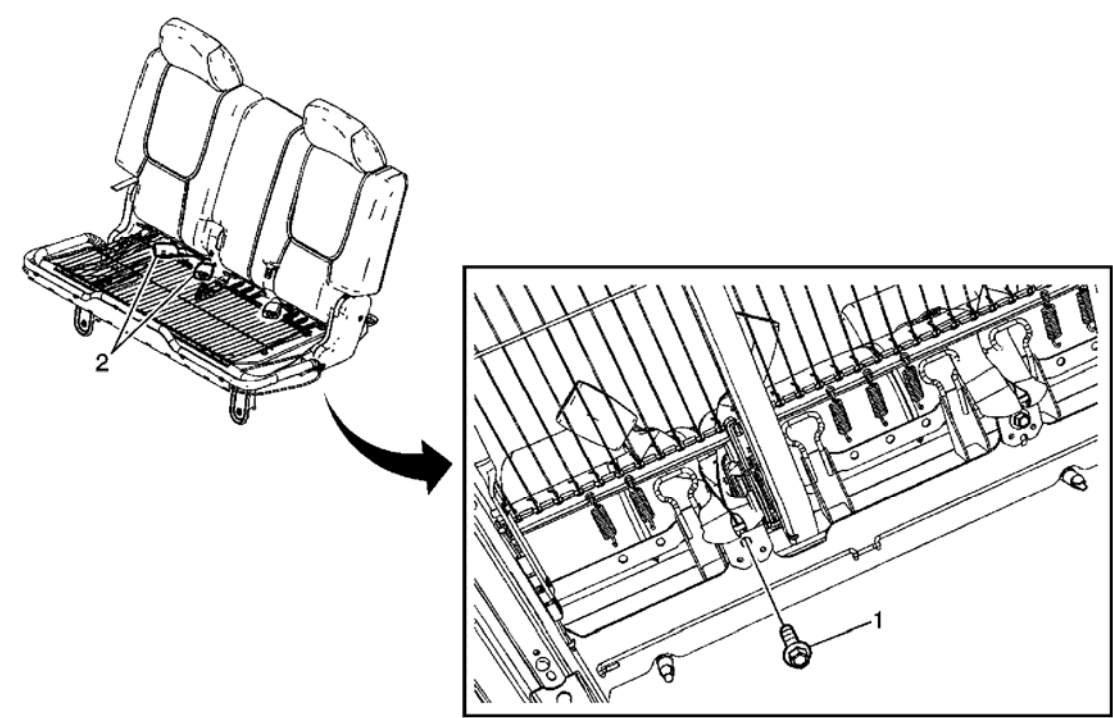


Fig. 5: Rear Seat Buckle Side Belt
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures	
1. Remove the rear seat cushion cover and pad. Refer to <u>Rear Seat Cushion Cover and Pad Replacement</u> . 2. Remove the rear seat retaining bolts and reposition the seat in the vehicle to access the buckle bolts on the underside of the seat.	
1	Rear Seat Belt Buckle Bolt CAUTION: Refer to <u>Fastener Caution</u> .

	Tighten: 50 N.m (37 lb ft)
2	Rear Seat Belt Buckle

REAR SEAT CENTER BELT REPLACEMENT

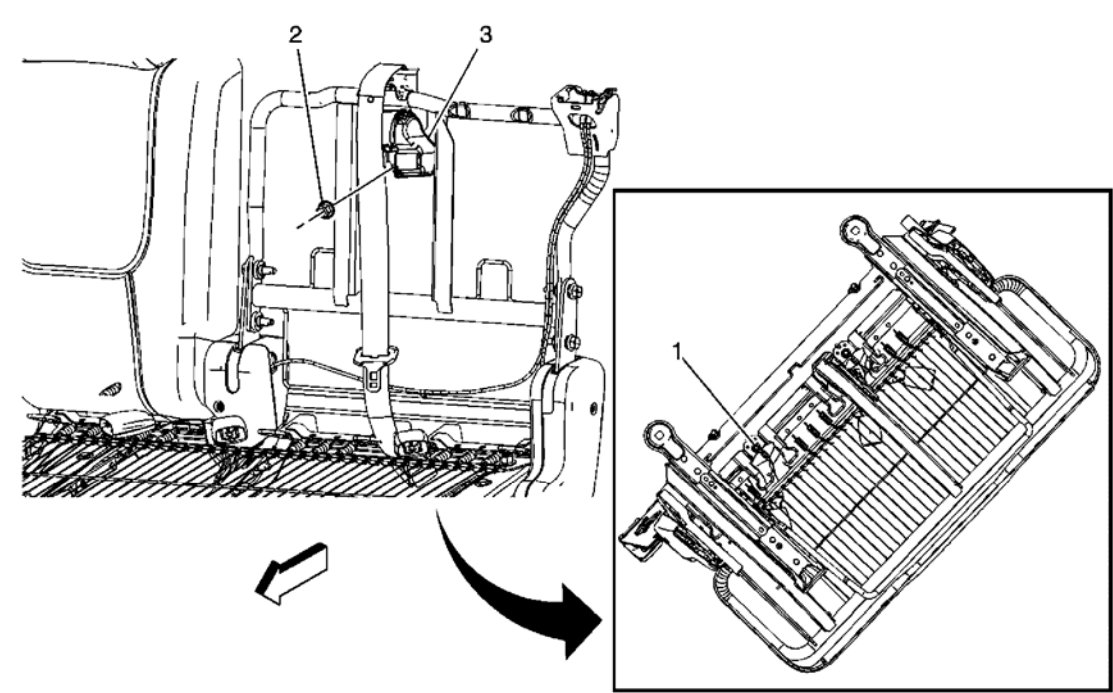


Fig. 6: Rear Seat Center Belt
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures 1. Remove the rear seat cushion cover and pad. Refer to <u>Rear Seat Cushion Cover and Pad Replacement</u> . 2. Remove the sixty percent rear seat back cushion panel. Refer to <u>Rear Seat Back Cushion Panel Replacement (with 60 percent seat)</u> or <u>Rear Seat Back Cushion Panel Replacement (with 40 percent seat)</u> .	
1	Rear Seat Center Belt Anchor Bolt CAUTION: Refer to <u>Fastener Caution</u> . Tighten: 45 N.m (33 lb ft)
2	Rear Seat Center Belt Retractor Nut

	Tighten: 45 N.m (33 lb ft)
3	Rear Seat Center Retractor Assembly

DRIVER OR PASSENGER SEAT SHOULDER BELT GUIDE ADJUSTER REPLACEMENT

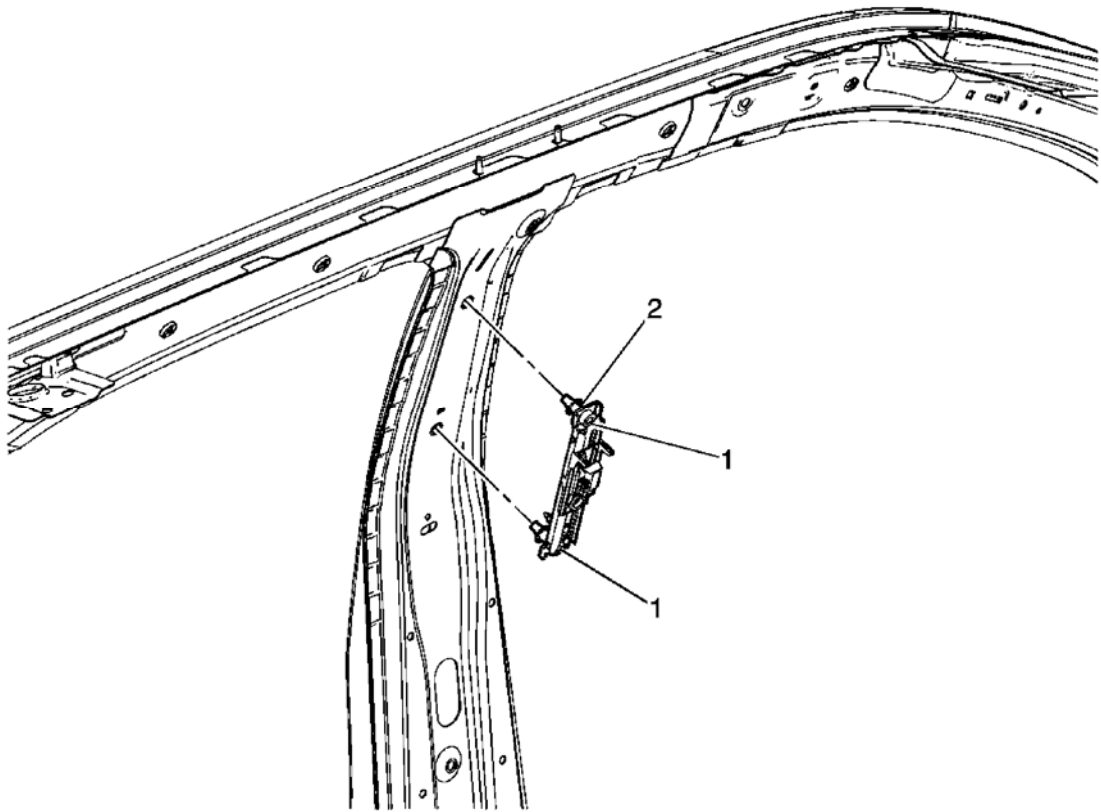


Fig. 7: Driver Or Passenger Seat Shoulder Belt Guide Adjuster
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures 1. Disable the SIR system. Refer to SIR Disabling and Enabling . 2. Remove the center pillar upper trim. Refer to Center Pillar Upper Trim Panel Replacement . 3. Remove the front seat retractor side belt fastener. Refer to Driver or Passenger Seat Retractor Side Belt Replacement .	
1	Front Seat Shoulder Belt Guide Adjuster Bolt (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> . Tighten: 45 N.m (33 lb ft)

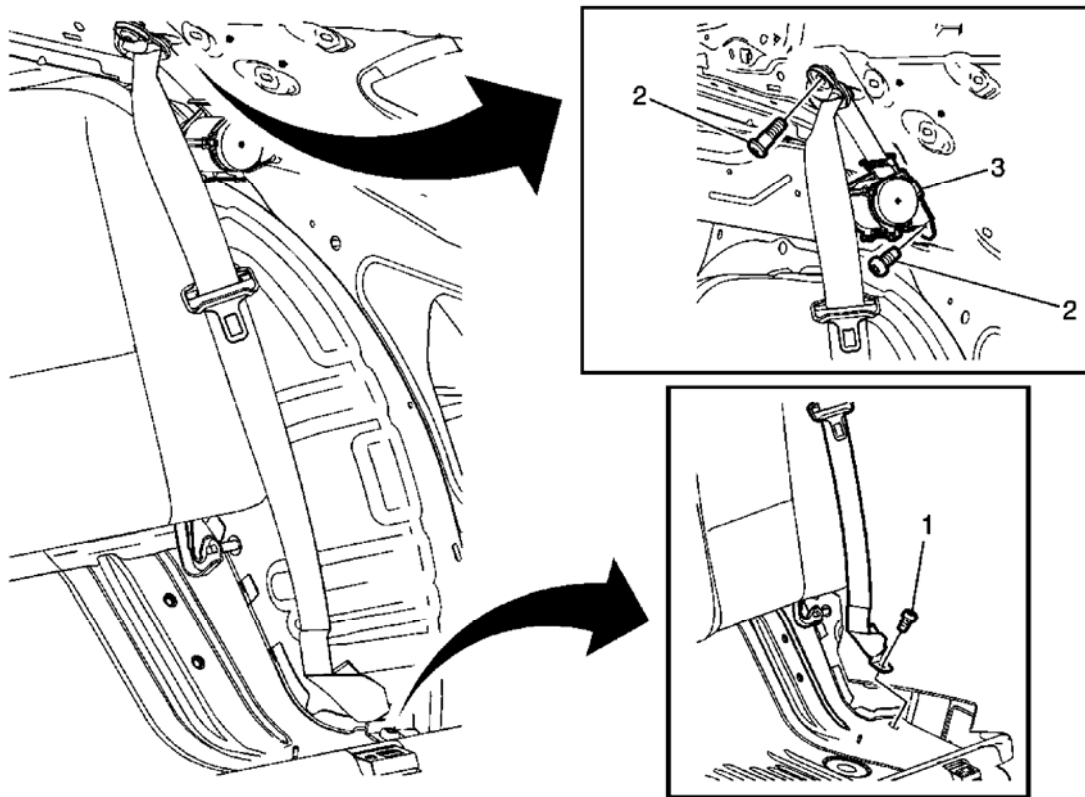
REAR SEAT RETRACTOR SIDE BELT REPLACEMENT

Fig. 8: Rear Seat Retractor Side Belt
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures	
1. Remove the quarter window trim finish panel. Refer to <u>Quarter Window Trim Finish Panel Replacement</u> . 2. Remove the body side trim panel. Refer to <u>Body Side Trim Panel Replacement - Left Side</u> and <u>Body Side Trim Panel Replacement - Right Side</u> .	
1	Rear Seat Shoulder Belt Anchor Plate Fastener CAUTION: Refer to <u>Fastener Caution</u> . Tighten: 45 N.m (33 lb ft)
	Rear Seat Belt Retractor Fastener (Qty: 2)

2	Tighten: 45 N.m (33 lb ft)
3	Rear Seat Retractor Side Belt Assembly

DESCRIPTION AND OPERATION

SEAT BELT SYSTEM DESCRIPTION AND OPERATION

Restraint System

The vehicle has front and rear seat belts that are the primary means of occupant restraint. Seat belts help to keep the occupants inside the passenger compartment and to gradually reduce the impact forces during the following events:

- Frontal impact type crashes
- Rear impact type crashes
- Side impact type crashes
- Roll-over type crashes

All seat belt retractors have emergency locks. The retractors remain unlocked during normal operation and under normal driving conditions. The retractors remain unlocked during normal conditions in order to allow free movement of the upper body of each occupant. A pendulum locks the seat belt webbing into position. The pendulum causes a locking bar to engage a cog on the spool of the retractor mechanism when the following conditions occur:

- A rapid extraction of the seat belt webbing from the retractor
- An abrupt change in vehicle speed
- An abrupt change in vehicle direction
- Operation of the vehicle on a steep upgrade
- Operation of the vehicle on a downgrade

The seat belts have an automatic locking (cinch) feature. The cinch feature is activated when the seat belt webbing is completely extended from the retractor. The cinch feature prevents the webbing from extending beyond the position from which it is allowed to retract. Use of the cinch feature is recommended for securing a child seat. The cinch feature may be cancelled by allowing the webbing to wind back completely into the retractor. After the cinch feature is cancelled, the webbing is unlocked. After the cinch feature is cancelled, the webbing will extend from the retractor. This vehicle is also equipped with a supplemental inflatable restraint (SIR) system. Refer to **SIR System Description and Operation**

Front Seat Belt System

The front seat belt system includes a driver and passenger seat belt pretensioner retractor. Both front seat belt pretensioners includes a seat belt switch in the seat buckle which controls a reminder lamp and a tone alarm.

NOTE: **The front passenger seat is equipped with a seat belt reminder sensor, which detects an occupant. If the seat belt reminder sensor detects an empty front**

passenger seat, then the passenger fasten safety belt indicator will be disabled.

- When the driver seat belt is buckled and the ignition switch is turned ON, the following events will occur:
 - The tone alarm will not operate.
 - The reminder lamp will not operate.
- When the passenger seat belt is buckled with an occupant sitting in the passenger front seat, then the ignition switch is turned ON, the following events will occur:
 - The tone alarm will not operate.
 - The reminder lamp, which is located within the Passenger Air Bag Disable Indicator, will not be turned ON.
- When the driver seat belt is not buckled and the ignition switch is in the ON position, the following events will occur:
 - The tone alarm will operate for 4-8 seconds and then go OFF.
 - The fasten safety belt indicator will turn ON for 20 seconds, until the driver seat belt is buckled.
- When the passenger seat belt is not buckled with an occupant sitting in the passenger front seat, then the ignition switch is turned ON, the following events will occur:
 - The tone alarm will operate for 4-8 seconds and then go OFF.
 - The reminder lamp, which is located within the Passenger Air Bag Disable Indicator, will be turned ON.

Rear Seat Belt System

The Rear Seat Belt System includes the following components:

- The rear seat belt retractor is located at the wheelhouse panel and attached to the floor panel by the rear seat shoulder belt retractor bracket.
- The rear and the middle seat belt buckles are attached to each seat.

Child Seat Restraint System

WARNING: A child in a rear-facing child restraint can be seriously injured if the right-front passengers air bag inflates. This is because the back of a rear-facing child restraint would be very close to the inflating air bag. NEVER use a rear-facing child restraint in this vehicle. If a forward-facing child restraint is suitable for your child, ALWAYS move the front passenger seat as far back as it will go and then install the child restraint. Be sure the child restraint position does not conflict with any additional requirements provided by the manufacturer. For more information, refer to the vehicle owners manual and the instruction that came with the child restraint.

A child in a rear-facing child restraint can be seriously injured if the right-front passengers air bag inflates. This is because the back of a rear-facing child restraint would be very close to the inflating air bag. NEVER use a rear-facing child restraint in this vehicle. If a forward-facing child restraint is suitable for your child, ALWAYS move the front passenger seat as far back as it will go and then install the child restraint. Be sure the child

restraint position does not conflict with any additional requirements provided by the manufacturer. For more information, refer to the vehicle owners manual and the instruction that came with the child restraint.

The child seat may only be used in a forward facing seating location. The child seat should be installed and secured according to the manufacturer's directions. If the child seat has a top strap, the seat will need to be anchored. Passengers should not be allowed to sit at locations where the seat belts are being used to secure the child seat.

All vehicles are equipped with a dual-mode type retractor with emergency and automatic locking features. The automatic locking feature is for restraint of a child seat. The child seat can be secured by pulling the seat belt all the way out to lock it. Then tighten the seat belt around the child seat.

If a child seat is to be used in the second seat position, a special dealer-installed anchor must be used in order to anchor the child seat top strap. This only applies to the seats designed with the top strap provision and for the vehicles sold in Canada. In order to ensure the correct top strap angle, the child seat is only to be used at the seating position for which the top strap anchor is installed.

Fasten Safety Belt Indicators

There are two fasten safety belt indicators for this vehicle. The driver fasten safety belt reminder is displayed in the instrument cluster, and the passenger fasten safety belt reminder is displayed in the driver information center. The fasten safety belt indicator may only be ON during RUN. The fasten safety belt indicator illuminates under the following conditions:

- During the bulb check
- The inflatable restraint sensing and diagnostic module (SDM) sends the status of the driver seat belt to the instrument cluster via serial data. The passenger seat belt status is sent to the passenger air bag disable indicator DIC via a hardwire. If any of the seat belts are unfastened, the instrument cluster will send a message requesting a chime sound to be turned ON after a bulb check.