

2012-2014 CABIN AIR FILTER

GM - Encore

REMOVAL & INSTALLATION

NOTE: Manufacturer's terminology for this filter is passenger compartment air filter.

CABIN AIR FILTER

Removal & Installation

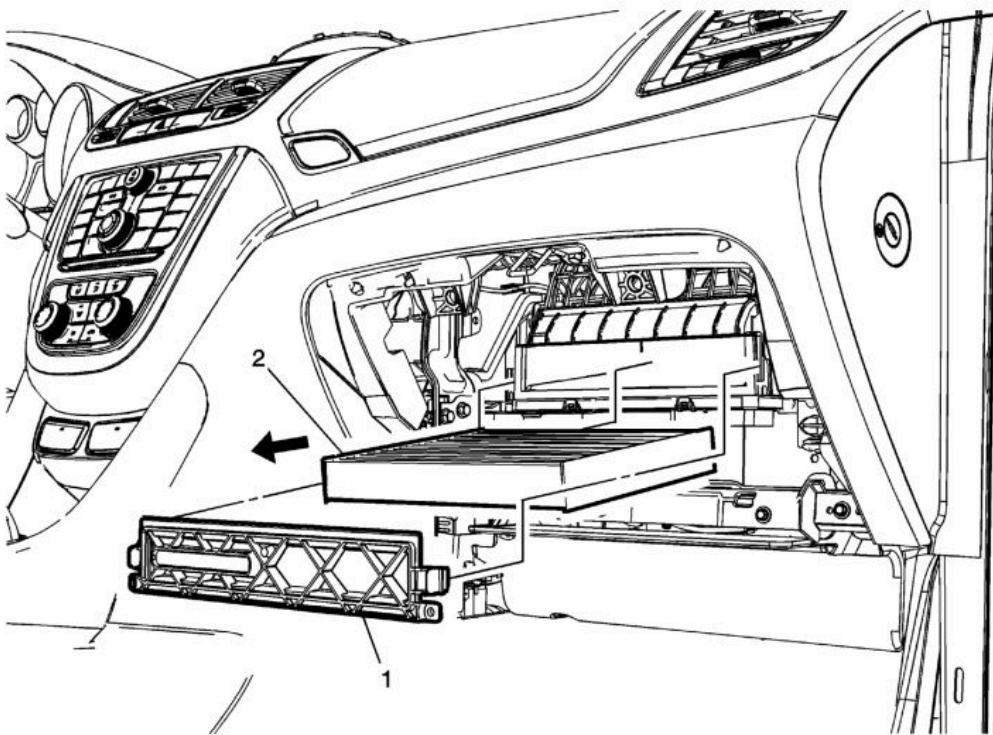
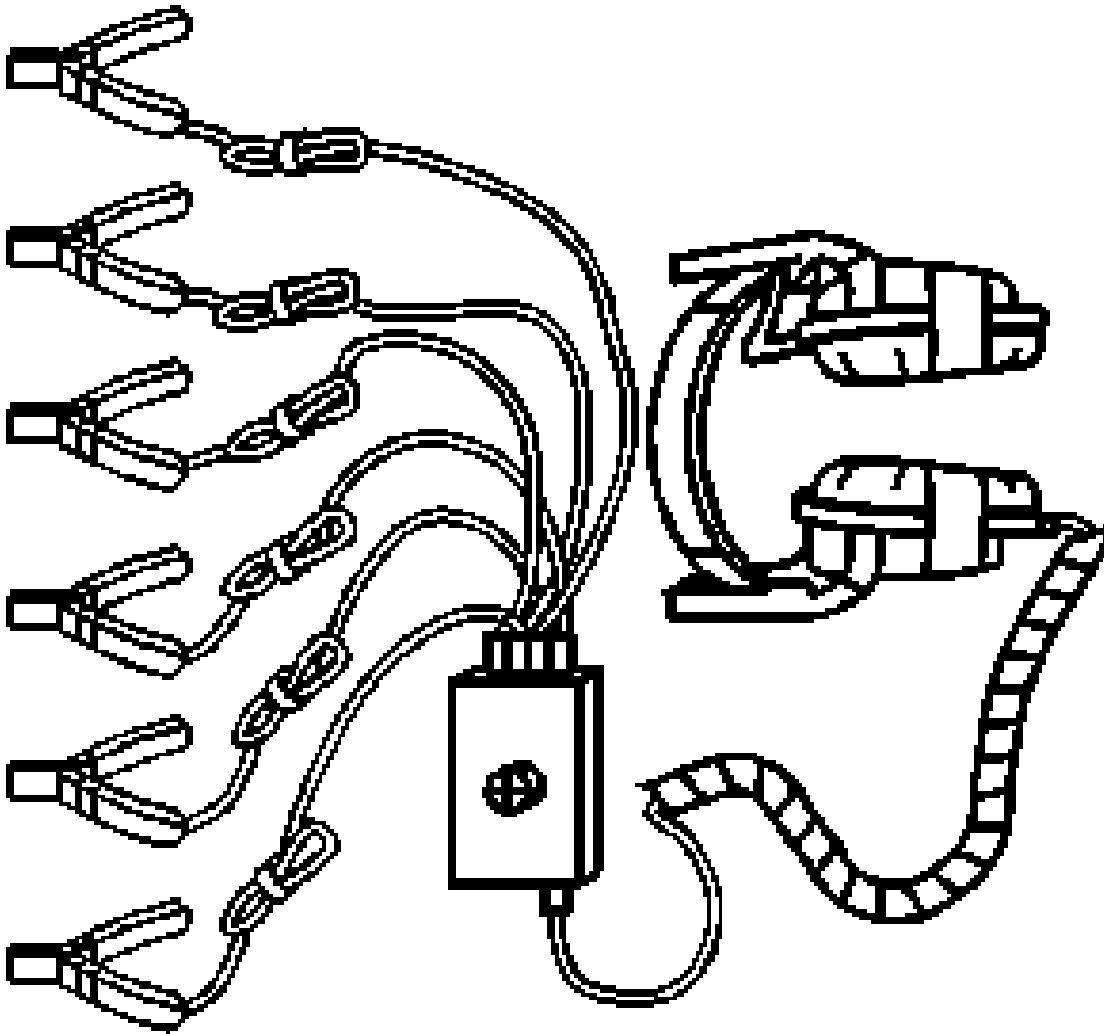


Fig. 1: Passenger Compartment Air Filter
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedure: Remove instrument panel compartment. Refer to INSTRUMENT PANEL COMPARTMENT REPLACEMENT (BUICK)	
1	Passenger Compartment Air Filter Cover
2	Passenger Compartment Air Filter



1. Disable the SIR system. Refer to **SIR Disabling and Enabling** .
2. Disconnect the negative battery cable. Refer to **Battery Negative Cable Disconnection and Connection** .
3. Remove all related panels and components.
4. Visually inspect the damage. Repair as much of the damage as possible
5. Remove the sealers and anti-corrosion materials from the repair area, as necessary. Refer to **Anti-Corrosion Treatment and Repair (Base)** .

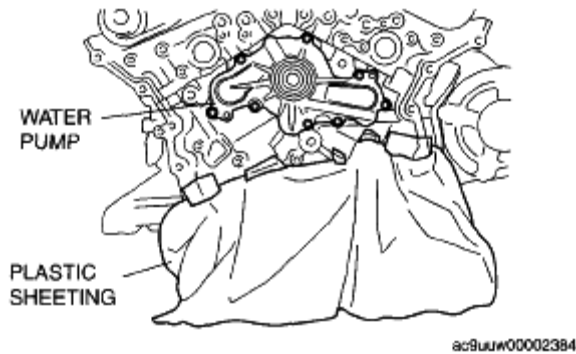


Fig. 122: Center Pillar Weatherstrip
Courtesy of GENERAL MOTORS COMPANY

6. Remove the weather-strip, observe the flange in the center pillar area. There will be a 3-metal stack-up. The center layer is the center pillar reinforcement (1).

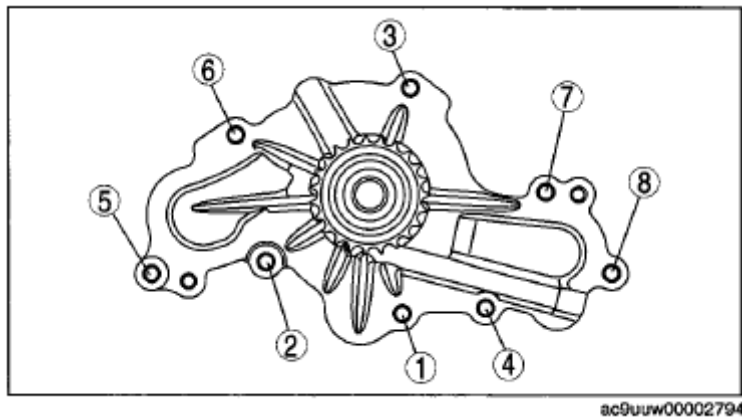


Fig. 123: Center Pillar Cut Line Marks
Courtesy of GENERAL MOTORS COMPANY

7. Measure 13 mm (1/2 in) from the forward and rearward edges of the center pillar reinforcement and mark a vertical line.

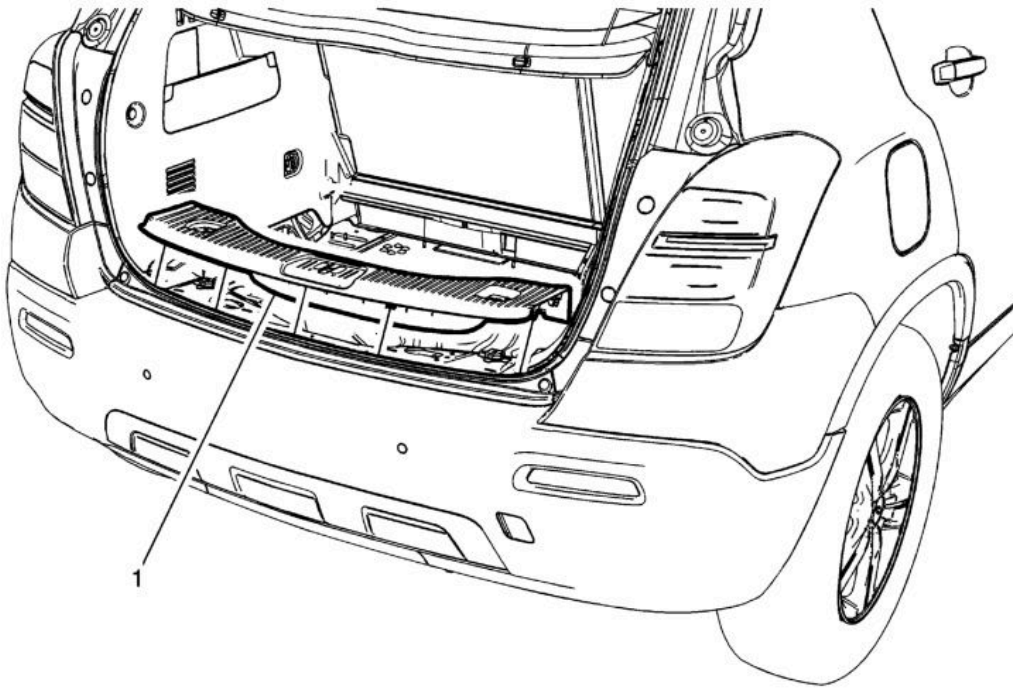


Fig. 36: Load Floor Panel Rear Extension Panel
 Courtesy of GENERAL MOTORS COMPANY

Load Floor Panel Rear Extension Panel Replacement (Trax)

Callout	Component Name
Preliminary Procedure	
1. Remove the load floor stowage compartment cover. Refer to <u>Load Floor Stowage Compartment Cover Replacement (Trax)</u> . 2. Remove the cargo tie down hooks. Refer to <u>Cargo Tie Down Loop Replacement (Trax)</u> .	
1	Load Floor Panel Rear Extension Panel Assembly Procedure Grasp and gently pull up on the load floor panel rear extension panel in order to release the integral retaining clips.

REAR SIDE DOOR TRIM REPLACEMENT

position, this will avoid the door handle from snapping once the spring pressure is relieved and the door handle returns to the close position.

5. Turn fastener to the right and to the mechanical stop.

NOTE:

Inspect the door locking system for proper operation before installing the door trim.

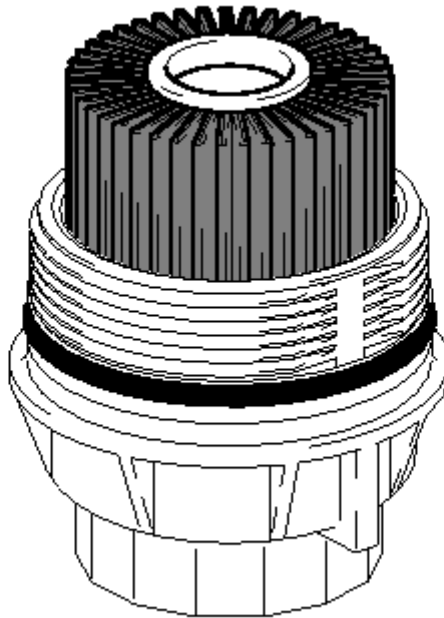
FRONT SIDE DOOR OUTSIDE HANDLE BRACKET REPLACEMENT**P**

Fig. 14: Front Side Door Outside Handle Bracket
Courtesy of GENERAL MOTORS COMPANY

Front Side Door Outside Handle Bracket Replacement

Callout	Component Name
Preliminary Procedure	
Remove the front side door outside handle. Refer to Front Side Door Outside Handle Replacement .	
1	Front Side Door Outside Handle Bracket Screw CAUTION: Refer to Fastener Caution . Tighten 4 N.m (35 lb in)
2	Front Side Door Outside Handle Bracket

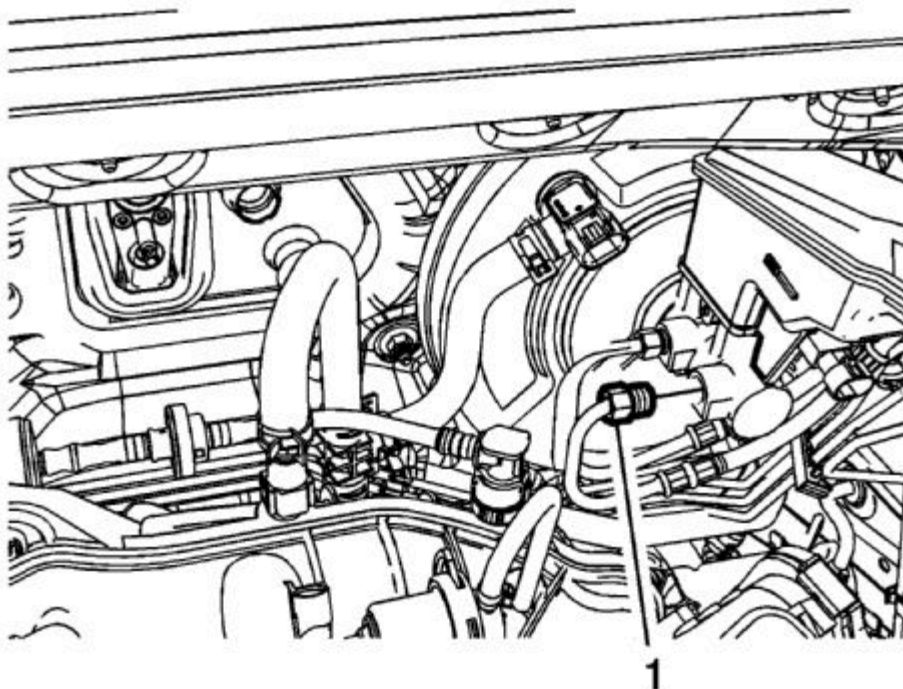


Fig. 71: Master Cylinder Outlet Port
Courtesy of GENERAL MOTORS COMPANY

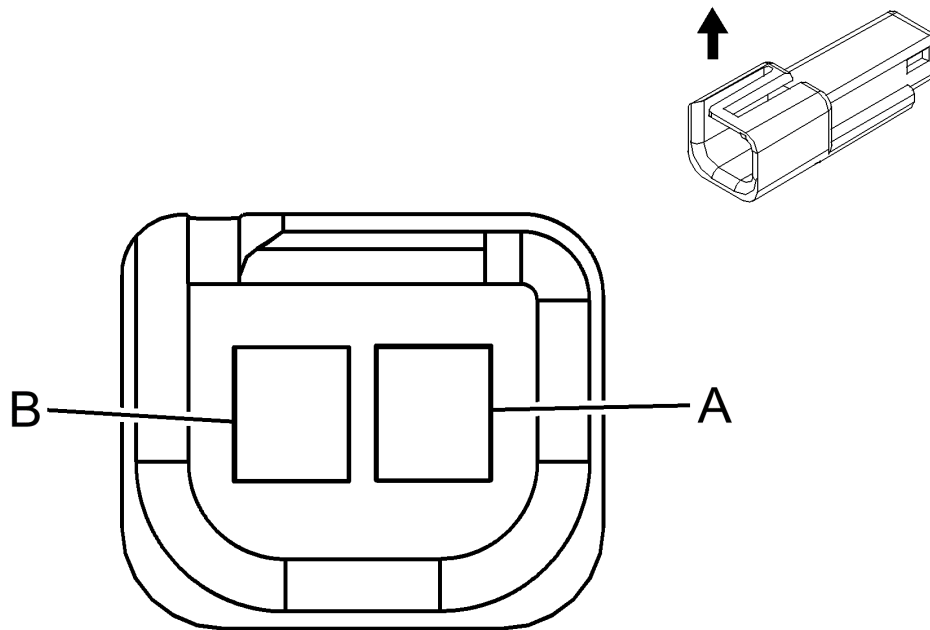
2. Disconnect the brake pressure modulator valve (BPMV) rear pipe fitting (1) from the master cylinder.
3. Plug the master cylinder outlet port to prevent brake fluid loss and contamination.

2014 ELECTRICAL

Wiring Systems and Power Management - Component Connector End Views - Encore

COMPONENT CONNECTOR END VIEWS (ENCORE)

A3L SUNSHADE - LEFT



Connector Part Information

- Harness Type: Headliner
- OEM Connector: 12047663
- Service Connector: 13584278
- Description: 2-Way M 150 Metri Pack Series (BK)

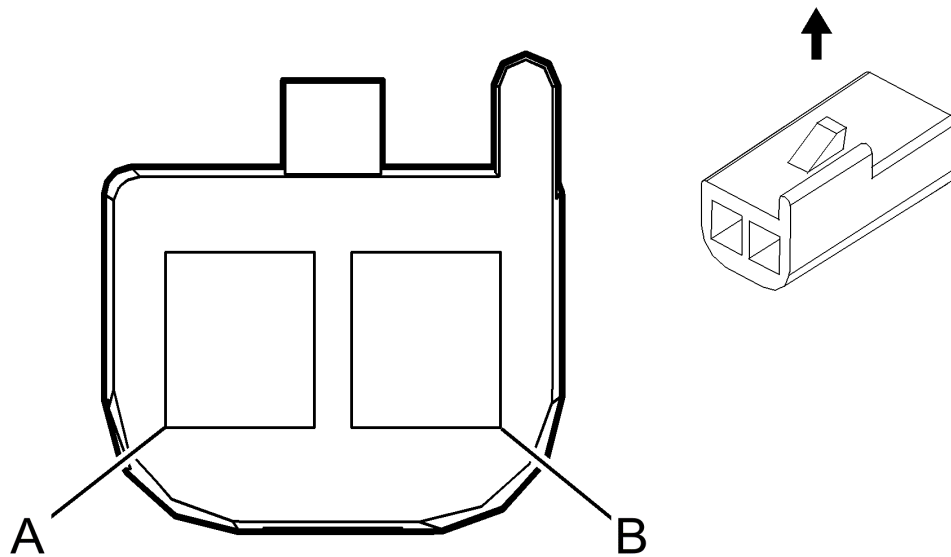
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575463	J-35616-3 (GY)	J-38125-12A	12047581	2	E	C

A3L Sunshade - Left

2014 Buick Encore

2014 ELECTRICAL Wiring Systems and Power Management - Component Locator - Encore And Trax



Connector Part Information

- Harness Type:
- OEM Connector: SW_X1
- Service Connector: Service by Harness - See Part Catalog
- Description: Not in Library Not in Library Not in Library

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool
I	Pending	Pending	Pending

S33 Horn Switch X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
TBD	0.35	GN/WH	3287	Horn Switch Signal	I	-

S33 Horn Switch X2

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8CXUW0002056

Fig. 2: Measuring Voltage Drop
Courtesy of GENERAL MOTORS COMPANY

1. Set the Digital Multimeter (DMM) to the V (DC) position.
2. Connect the positive lead of the DMM to one point of the circuit to be tested.
3. Connect the negative lead of the DMM to the other point of the circuit.
4. Operate the circuit.
5. The DMM displays the difference in voltage between the 2 points.

MEASURING FREQUENCY

Special Tools

EL-39200 Digital Multimeter (DMM)

For equivalent regional tools, refer to **Special Tools** .

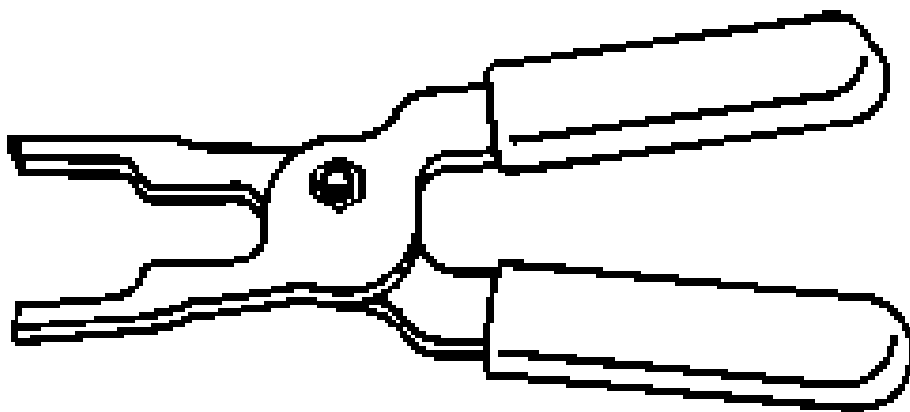
CAUTION: Refer to **Test Probe Caution** .

The following procedure determines the frequency of a signal.

NOTE: Connecting the Digital Multimeter (DMM) to the circuit before pressing the Hz button will allow the DMM to autorange to an appropriate range.

1. Apply power to the circuit.
2. Set the DMM to the V (AC) position.
3. Connect the positive lead of the DMM to the circuit to be tested.
4. Connect the negative lead of the DMM to a good ground.
5. Set to Hz on the DMM.
6. The DMM will display the frequency measured.

TESTING GROUND AND LOW REFERENCE CIRCUITS



EL-43244
Relay Puller
Pliers

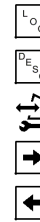
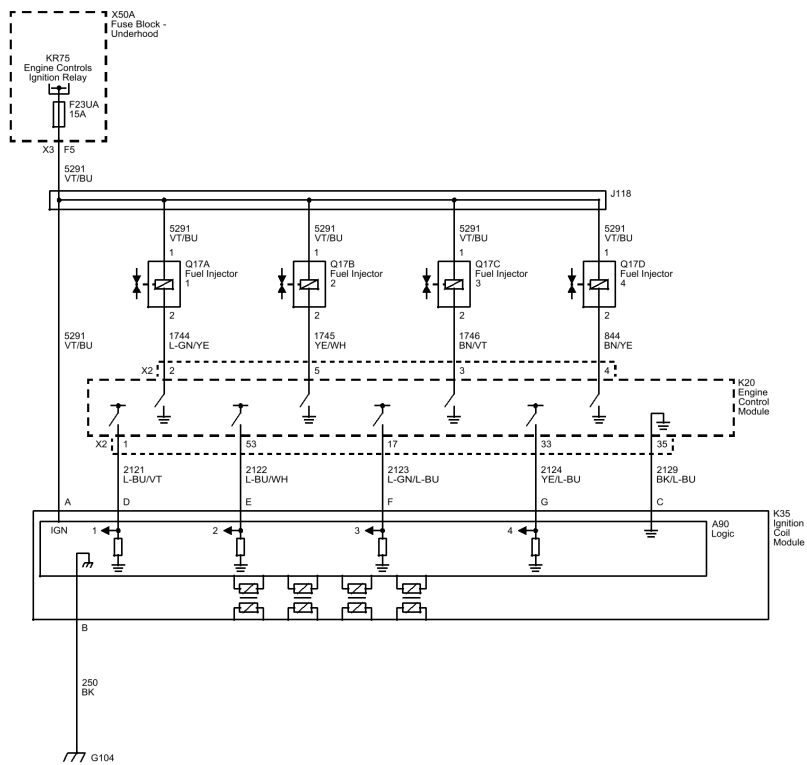


Fig. 19: Fuel Controls - Fuel Injectors and Ignition Controls
 Courtesy of GENERAL MOTORS COMPANY

Engine Data Sensors - Oxygen Sensors

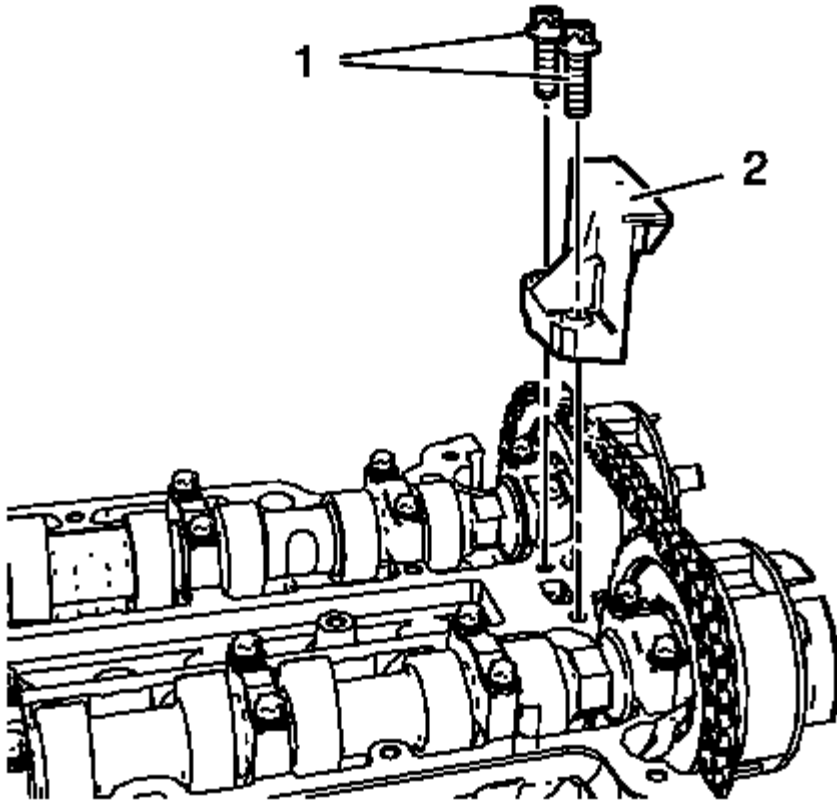


Fig. 70: Upper Timing Chain Guide And Bolts
Courtesy of GENERAL MOTORS COMPANY

6. Install the upper timing chain guide (2).

CAUTION: Refer to Fastener Caution .

7. Install the upper timing chain guide bolts (1) and tighten to 8 (71 lb in).

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2014 GENERAL INFORMATION Vehicle Diagnostic Information - Scan Tool Information - Encore And Trax

Battery Voltage	-	11-14 V	current battery voltage.
Calculated Transmission Range	Transmission in reverse	Reverse	The scan tool displays Park, Reverse, Neutral, Drive or Unknown depending on the state of the commanded gear.
Obstacle Detected	-	No	The scan tool displays Yes or No. Yes is displayed if there is an object within the measuring range of the object sensors.
Park Assist Chime	-	Varies	The scan tool displays On or Off. On is displayed if there is an object within the measuring range of the object sensors.
Park Assist Disable History 1	-	Varies	The scan tool displays None, Manual Disable, Park Brake Applied, Trailer or Other Attached Object, Excessive Speed in Reverse, No or Invalid Sensor Signals, Sensor Disturbance, Sensors Dirty, Sound Signal Return Time Not Plausible. This is the state of the park assist disable history.
Park Assist Disable History 2	-	Varies	The scan tool displays None, Manual Disable, Park Brake Applied, Trailer or Other Attached Object, Excessive Speed in Reverse, No or Invalid Sensor Signals, Sensor Disturbance, Sensors Dirty, Sound Signal Return Time Not Plausible. This is the state of the park assist disable history.
Park Assist Disable History 3	-	Varies	The scan tool displays None, Manual Disable, Park Brake Applied, Trailer or Other Attached Object, Excessive Speed in Reverse, No or Invalid Sensor Signals, Sensor Disturbance, Sensors Dirty, Sound Signal Return Time Not Plausible. This is the state of the park assist disable history.
Park Assist Disable History 4	-	Varies	The scan tool displays None, Manual Disable, Park Brake Applied, Trailer or Other Attached Object, Excessive Speed in Reverse, No or Invalid Sensor Signals, Sensor Disturbance, Sensors Dirty, Sound Signal Return Time Not Plausible. This is the state of the park assist disable history.
			The scan tool displays None, Manual Disable, Park Brake Applied, Trailer or Other Attached Object, Excessive

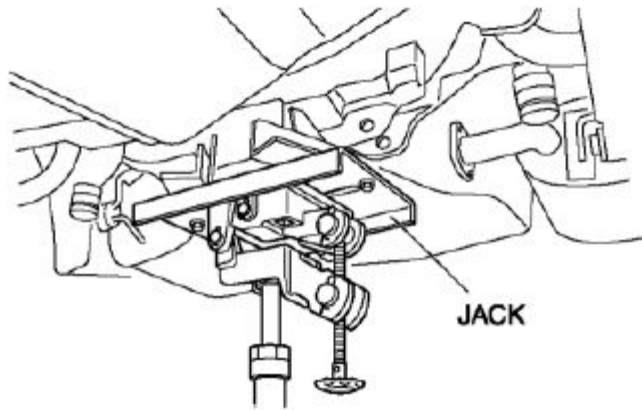


Fig. 43: Intermediate Steering Shaft And Steering Gear Pinion Shaft
Courtesy of GENERAL MOTORS COMPANY

7. Align the match marks and connect the intermediate steering shaft (1) to the steering gear pinion shaft (3).
8. Install the intermediate steering shaft lower bolt (2) and tighten to 49 (36 lb ft).
9. Install the left side floor front air outlet duct. Refer to **Floor Front Air Outlet Duct Replacement - Left Side (Encore)** , **Floor Front Air Outlet Duct Replacement - Left Side (Trax)** .
10. Install the instrument panel knee bolster outer bracket. Refer to **Instrument Panel Knee Bolster Outer Bracket Replacement** .
11. Install the instrument panel knee bolster. Refer to **Instrument Panel Knee Bolster Replacement (Encore)** , **Instrument Panel Knee Bolster Replacement (Trax)** .
12. If equipped, install the drivers side instrument panel lower airbag. Refer to **Instrument Panel Lower Airbag Replacement - Driver Side (AYF)** .
13. Install the steering column lower trim cover. Refer to **Steering Column Lower Trim Cover Replacement (Trax)** , **Steering Column Lower Trim Cover Replacement (Encore)** .
14. Set up the power steering control module. Refer to **Power Steering Control Module Programming and Setup** .
15. Center the steering angle sensor. Refer to **Steering Angle Sensor Centering** .

STEERING SHAFT REPLACEMENT (N40)

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2014 SYSTEM WIRING DIAGRAMS Buick - Encore

