

Inspecting and Repairing Bolt EV Selfseal Tires

2017-2018 Bolt EV models feature Michelin Selfseal® tires that will immediately seal the tread when punctured up to 1/4-inch (6 mm) in diameter. The Selfseal tires also may be repaired using a one-piece patch/stem unit if the puncture is within the tread.

Designed specifically for the Bolt EV, the Michelin Selfseal tires use a unique compound and construction that offers additional stiffness — for less rolling resistance — without reducing comfort or performance levels. The special tread pattern and groove widths also minimize road noise. With the self-sealing tires, the Bolt EV is not equipped with a spare tire or changing equipment, which saves weight and improves EV battery range.

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Use QuickQuote to Display Labor Information in the Electronic Parts Catalog

The GM Electronic Parts Catalog (EPC) makes a great deal of GM parts information — including part numbers, part descriptions, model applications and more — easily available to users in GM dealerships. But wouldn't it be helpful to know the labor time of installing a part along with the price when looking up a part needed for repairs?

Labor Time	Labor Operation	Part Code	Customer Hours	Customer Cost
0.5	Blow		0.5	0.00
0.5	Oil Change (3.6L V6)		0.5	0.00
0.5	Oil Change (3.6L V6)		0.5	0.00

Labor data is available for 2005 and newer GM vehicles.

The new QuickQuote feature now available in the EPC enables users to display relevant parts and labor data together for 2005 and newer GM vehicles by simply right-clicking on a part record. With details on service installation available in the same application as all parts information, efficiency between the dealership parts

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In some cases, if a Selfseal tire has a puncture that is larger than 1/4-inch (6 mm) in the tread area, the tire may not self-seal and a one-piece patch/stem unit may be needed to repair the tire. Follow the repair material manufacturer's instructions.

If the tire puncture is larger than the one-piece patch/stem unit, or if the tire has been separated from the wheel or has damaged sidewalls, the tire is too severely damaged and will need to be replaced.

Tire Inspection

A Selfseal tire should be inspected any time that a vehicle is brought in to the dealership with a tire with a penetrating object, if a tire has been driven while under-inflated or the Tire Pressure Monitor System (TPMS) has warned of pressure loss, or if there is evidence of a prior penetration or other possible damage.

TIP: Any inspection of Michelin Selfseal tires must be carried out by a trained tire service technician and follow Rubber Manufacturers Association (RMA) Industry Tire Repair procedures.

A proper inspection of the condition of the Selfseal tire before it is repaired is critical. If the tire was driven while under-inflated, it may have suffered irreversible damage. Dismounting the tire and performing a thorough check of the interior of the tire will help to determine if the tire can be repaired.

One-Piece Patch/Stem Repair

A one-piece patch/stem unit of the appropriate size (based on the repair material manufacturer's recommendations) should be used to repair a



Bore a hole from the inside of the tire.

Use QuickQuote to Display Labor Information in the Electronic Parts Catalog

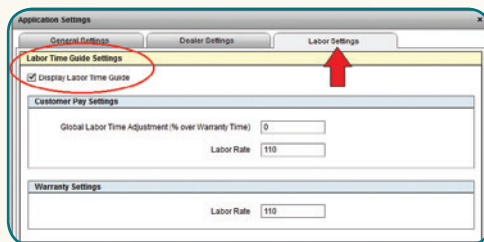
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department and service department is enhanced while customers can be provided with a repair cost estimate right from the parts counter.

Accessing QuickQuote in the EPC

The QuickQuote feature can be set up easily in the EPC.

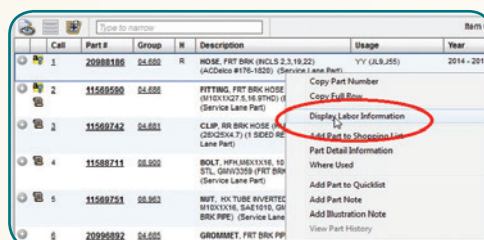
1. From the Settings menu, select Application Settings.
2. Select the Labor Settings tab.
3. Check the Display Labor Time Guide box.
4. Enter customized labor information into the required fields and click the Save button.



Check the Display Labor Time Guide box to have labor information available in part search results.

Labor Information

Once QuickQuote is set up, right-click on a part from a parts list and select Display Labor Information to view the available labor information for the highlighted part in the Part Details window.



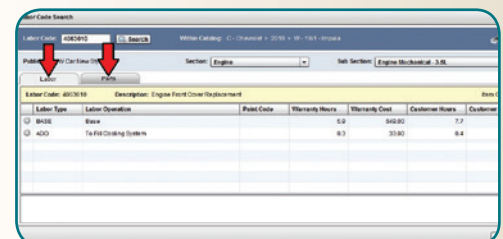
Right-click to view labor information.

If a VIN is not available when researching a part number, additional selections can be made in the sub-sections menu in the Part Details window to help determine the appropriate labor information.

EPC users also can build an estimate with base labor time and additional labor time within the QuickQuote feature.

Searching Labor Codes

QuickQuote also allows access to labor information by searching with a labor code in the EPC. After entering a VIN or building a vehicle, selecting Labor Code Search from the Information menu will open the Labor Code Search window.



Labor and Parts tabs for labor code search results.

In the window, make sure the Labor tab is selected, and then enter the labor code in the Labor Code field. A list of service procedures necessary to complete the repair, along with estimated hours and costs, are presented. Select the Parts tab to view the parts necessary for the repair.

QuickQuote is currently available via the Web EPC. It will be added to the DVD version with the March update.

To learn more about using the QuickQuote feature, visit <https://docs.snaponbusinesssolutions.com/docs/QuickQuote/index.html>.

🙏 Thanks to Mary Daly

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Selfseal tire.
To make the repair, first bore a hole (a carbide cutter is recommended) from the inside of the tire following the trajectory of the puncture.



Spread the adhesive directly over the hole without brushing.

Next, spread the adhesive directly over the hole without brushing. Do not mix products from different repair material manufacturers.

Once the adhesive has dried for five minutes, remove the protective covering from the one-piece stem (do not touch the uncovered surface) and insert the stem in the puncture from inside the tire. Pull the stem smoothly from outside the tire.

Roll over the base of the stem on the inside from the center of the stem to the edge. Cut the protruding part of the stem on the outside of the tire without pulling on the body of the stem.

For additional information, refer to Bulletin #17-NA-299.

🙏 Thanks to Charlie Mott and Dan Hrodey



Insert the stem in the puncture.



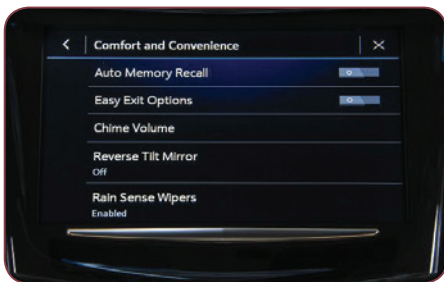
Cut the stem.

Missing Personalization Settings Menu Items

Some personalization selections may be missing from the Comfort and Convenience Settings menu on some 2017-2018 Envision, CT6, Escalade, Impala, Silverado, Tahoe, Suburban; 2017 ATS, CTS; and 2018 Sierra and Yukon models equipped with infotainment system RPO IO5 or IO6.

Comfort and Convenience Menu

When selecting Settings > Vehicle > Comfort and Convenience, the following items may be missing at times: Auto Memory Recall, Easy Exit Features, Reverse Tilt Mirror, Auto Fold Mirror, and Safety Alert Seat.



Comfort and Convenience Settings menu example

The missing Comfort and Convenience menu items may not appear when the vehicle is started and will not reappear for the entire ignition cycle. However, if the ignition is turned off briefly and on again before the radio/tuner has a chance to go to sleep, the menu items will typically reappear. The missing menu items are a result of a timing issue

between the Memory Seat Module and the radio/tuner when the key is turned on.

If this condition is found with items missing at times from the Comfort and Convenience menu, reprogram the Memory Seat Module with the latest TIS2Web calibrations. If menu items are always missing from a Settings menu and never reappear over a short key cycle, or if any related DTCs are stored, follow the diagnostic procedures in the Service Information.

TIP: Depending on the vehicle, TIS2Web may list both a driver and passenger Memory Seat Module. In this case, select and reprogram the driver Memory Seat Module. Refer to Seat Memory Control Module Programming and Setup in the appropriate Service Information.

Following Memory Seat Module programming, the memory seat adjustment settings will need to be stored again.

Refer to Bulletin #18-NA-039 for additional information.

Other Settings Menus

If menu items are missing from other Settings menus, such as Climate and Air Quality, Collision/Detection Systems, or Lighting, on 2016-2017 Camaro and 2017 Encore, Envision, LaCrosse, ATS, CTS, CT6, Escalade, XTS, XT5, Colorado, Corvette, Cruze, Impala, Malibu, Silverado, Tahoe, Suburban, Volt, Acadia, Canyon,



Other Vehicle Settings menus

Sierra and Yukon models equipped with infotainment system RPO IO5 or IO6, the radio tuner module may need to be replaced.

Just as with the Comfort and Convenience menu items, these other Settings menu items may not appear when the vehicle is started and will not reappear for the entire ignition cycle, but may reappear if the ignition is turned off briefly and on again before the radio/tuner has a chance to go to sleep. In addition, when selecting the climate control settings, the HVAC system will respond correctly but the selections will not be displayed on the bottom of the infotainment screen.

When replacing the radio tuner module, refer to Radio Replacement in the appropriate Service Information.

For more information, refer to Bulletin #17-NA-186.

🙏 Thanks to Jamie Parkhurst

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New Links to PDI Forms, Service Forms, VIN Cards

The Pre-Delivery Inspection (PDI) forms, Service Forms and VIN Cards are now available through GM GlobalConnect. Previously, these documents were hosted on the service.gm.com website, which is no longer available.

The applications are available under the Service Department section. To find each link:

1. Select the App Center tab to display all applications available through GlobalConnect.
2. To view only Service Department apps, check the Service box on the Departments drop-down menu.
3. Select the desired app and then select the Launch link to open the app.

A shortcut to each app also can be saved by selecting the app and then selecting Add to My Shortcuts.

The Pre-Delivery Inspection Form link within GM Service Information (SI) is still available but also requires GlobalConnect access.

PDI Forms

The PDI Forms link provides access to current model PDI forms for Buick, Cadillac, Chevrolet and GMC models.

TIP: Additional information about proper PDI procedures can be found in Bulletin #03-00-89-006P. It covers the PDI process and specific aspects to check on vehicles, such as transport mode, tire pressure, battery check and charge, compass calibration, OnStar, and transit blocks as well as reviews vehicle storage guidelines.

Service Forms

The Service Forms link includes a number of standard forms useful to the dealership service department, including parts returns, worksheets, verification forms, and other forms referenced in service bulletins. Categories include: General Information, Brakes, Engine/Propulsion System, Transmission/Transaxle, Body and Accessories, Suspension, and Authorization Forms.

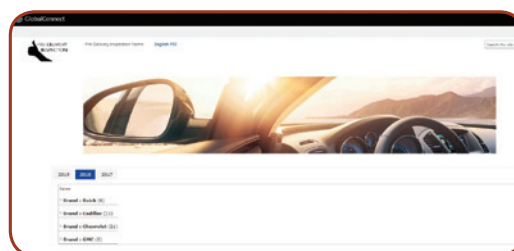
VIN Cards

The VIN Information link covers the information needed to decode a Vehicle Identification Number. VIN information goes back to the 1960 model year.

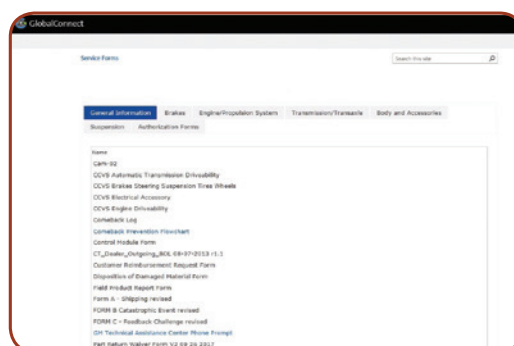
Thanks to Rob Hilliard and
Melissa Swank



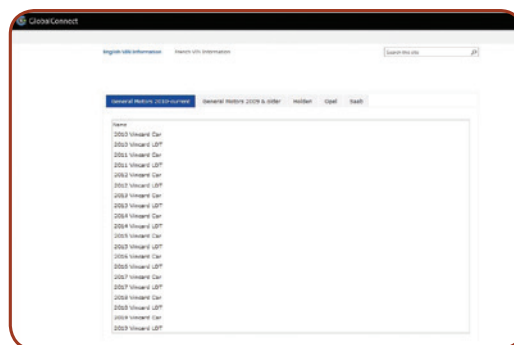
New PDI, Service Forms and VIN Card links in GlobalConnect.



PDI Forms



Service Forms



VIN Cards

Oil Filter Installation on the 3.6L V6 Engine (LGZ)

The 3.6L engine (RPO LGZ) available on 2017-2018 Colorado and Canyon models uses an engine oil filter adapter (housing assembly) with an adapter center insert that supports the filter and contains the bypass valve. It's critical to proper engine operation that the adapter insert be properly retained during an oil change.

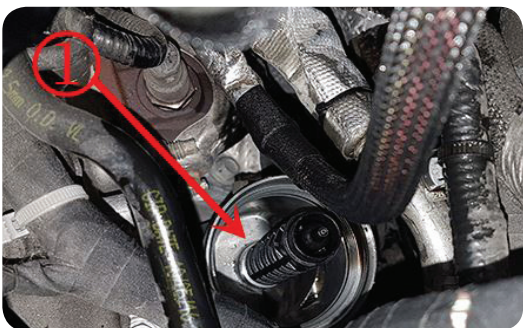
The adapter insert is retained to the oil filter adapter housing by two tabs. If the adapter insert is inadvertently removed along with the oil filter during an oil change, the filter may collapse, leading to possible engine failure. Always ensure the adapter insert is secure in the adapter housing when changing the oil filter.



Oil filter adapter insert



Adapter insert retaining tabs



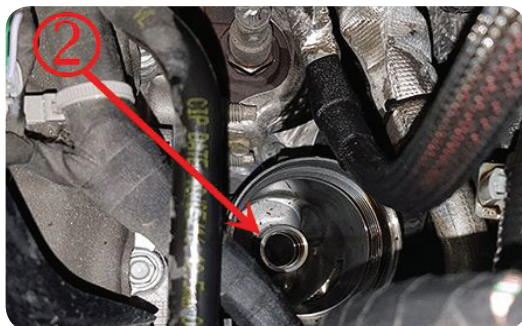
Oil filter adapter insert in the oil filter housing

If the oil filter adapter insert is missing, the oil filter adapter housing needs to be replaced. Currently, the adapter insert is not available as a separate part. Also check for any additional engine damage. If the engine needs to be replaced, a new oil filter adapter housing also is required in order to get a new adapter insert.

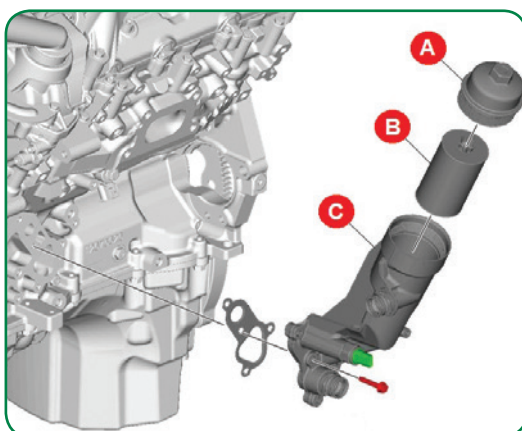
When installing a new oil filter, also be sure the oil filter cap seal is installed with the cap and tightened to specification. Lubricate the cap threads with clean engine oil to aid cap removal at the next oil change.

Refer to #PIP5560 for additional information.

🙏 Thanks to Bryan Salisbury



Missing oil filter adapter insert



A. Oil filter cap and seal
B. Oil filter
C. Oil filter housing with adapter insert

Service Know-How

10218.03V – Emerging Issues – March 8, 2018

The latest service topics from GM Brand Quality and Engineering are covered, including a look at the new 2019 Corvette ZR1 and a review of how to repair a separated rear window defroster tab on 2015-2018 full-size SUVs.

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