



## Preliminary Information

### PIP5698 2020 6.2L (LT2) Engine Exchange

#### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Corvette	2020	All	All	6.2L (LT2)	All

<b>Involved Region or Country</b>	North America
<b>Condition</b>	Engine Exchange
<b>Cause</b>	New Product Monitoring

**This PI will cover the Engine Exchange Program only for the 2020 model listed above.**

**Additional PIs will be published for each engine component as they are introduced.**

**During the launch of the 2020 model years, the following engine will be under an exchange program:**

#### **6.2L Engine Assembly (RPO L2)**

**Product teams continually seek valuable information for engineering improvements.**

**To assist in this effort, an engine exchange program will be used for the listed engine and vehicles**

**The 2020 model year engine exchange program will be administered by the GM Product Quality Center (PQC).**

Please contact the Product Quality Center (PQC) by opening a new case via Dealer Case Management (DCM) From the DCM home page, click on "New PQC Case" found on the Technical Assistance tab.

Then in Global Connect click on the Support/Chat tab, TAC-PQC Tab, PQC -Parts Restrictions Templates to Download the appropriate PQC -Parts Restrictions Template and save a copy to your computer, You can attach a copy of the template to your PQC Case.

Note: (Do Not clear any DTCs prior to contacting the PQC).

**Guidelines for honoring exchange requests under this program are being strictly enforced.**

**The PQC may refer the dealer technician to TAC if additional diagnosis is required.**

TAC will be available for product inquiries that do not require assembly replacement.

Division	PQC Telephone Number
US Cars and Trucks	1-866-654-7654
Canada -- English and French	

Components that may be removed and serviced without exchange are identified by an "X" in the appropriate column of the table below

Any repairs involving engine components not identified in the table below engine noise concerns, oil consumption, or related symptoms may require an engine exchange.

**Important: Engine block and internal components along with any component in which a cylinder head has to be removed to perform the repair will require an engine exchange.**

Please note that this list is subject to change as the program progresses.

You will be notified by the PQC consultant if additional items are considered serviceable on a particular engine.

Serviceable Components	6.2L (LT2)
A/C Compressor	X
Accessory Drive	X
AFM Solenoid Harness	X
All Cooling System Hoses	X
All Engine Sensors	X
Brackets	X
Catalytic Converters	X
Coolant System Radiator Inlet/Outlet Pipes	X
Crankshaft Damper	X
Cylinder Deactivation Solenoids	X
Dry sump oil tank	X
Engine Control Module (ECM)	X
Engine Cover / Beauty Cover	X
Engine Mounts/Transaxle Mounts	X
Engine Oil Cooler	X

<b>Engine Wiring Harness</b>	<b>X</b>
<b>Exhaust Manifold/Gasket</b>	<b>X</b>
<b>Flywheel/Dampener Assembly</b>	<b>X</b>
<b>Fuel Injector Wiring Harness</b>	<b>X</b>
<b>Fuel Injectors</b>	<b>X</b>
<b>Fuel Pipes &amp; HP Fuel Pump Assembly</b>	<b>X</b>
<b>Fuel Rail</b>	<b>X</b>
<b>Generator</b>	<b>X</b>
<b>Hi/Lo Pressure Fuel Lines</b>	<b>X</b>
<b>Ignition System (Coil, Spark Plugs, Wires)</b>	<b>X</b>
<b>Intake Air Ducts and Related Components</b>	<b>X</b>
<b>Intake Manifold</b>	<b>X</b>
<b>Knock Sensors</b>	<b>X</b>
<b>MAP Sensor</b>	<b>X</b>
<b>Mass Air Flow Sensor</b>	<b>X</b>
<b>Oil Cooler/Hoses</b>	<b>X</b>
<b>Oil Fill Cap</b>	<b>X</b>
<b>Oil Filter</b>	<b>X</b>
<b>Oil Level Indicator and Tube</b>	<b>X</b>
<b>Oil Pressure Control Solenoid Valve</b>	<b>X</b>
<b>Oil Pressure Sensor</b>	<b>X</b>
<b>Oxygen Sensors</b>	<b>X</b>
<b>PCV Tube(s)</b>	<b>X</b>
<b>Purge Solenoid</b>	<b>X</b>
<b>Rocker Covers</b>	<b>X</b>
<b>Starter Motor Assembly</b>	<b>X</b>
<b>Thermostat Housing/Gasket</b>	<b>X</b>
<b>Throttle Body/Related Components</b>	<b>X</b>

Vapor Vent Lines/Seals	X
Water Pump	X

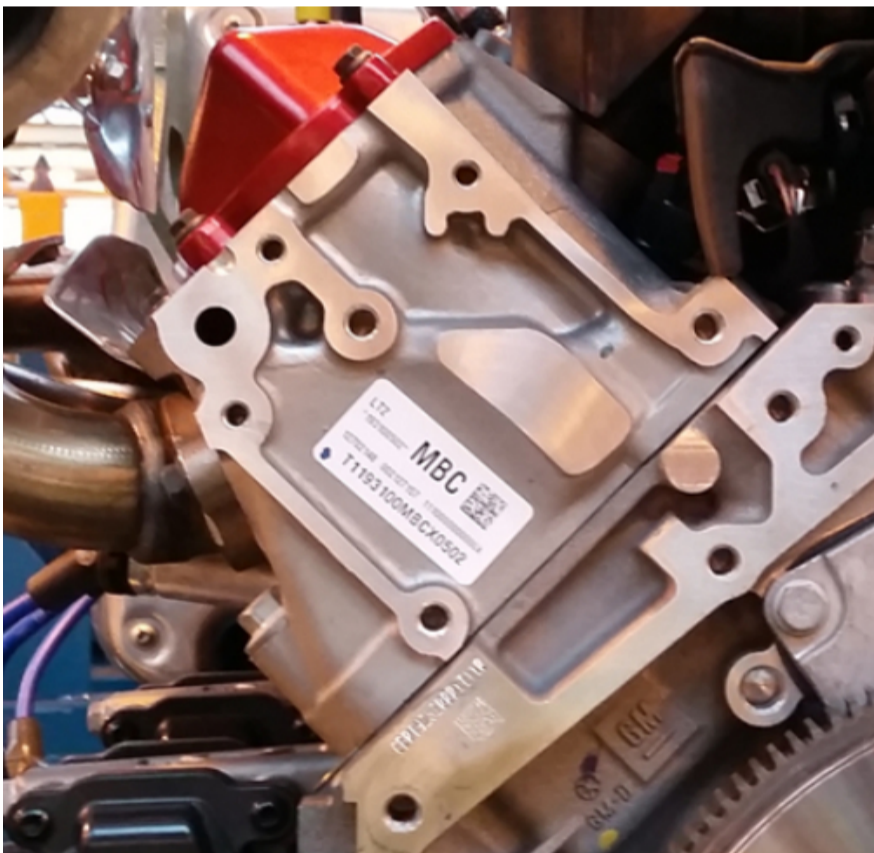
**Note:** The above service parts list of components will be requested through the normal GM Parts return process for engineering evaluation for cause, through the WPC parts return process.

**Important:** Engine repairs or failures that are caused by components external to the engine do NOT fall under the exchange program. For example, if an engine failure is caused by incorrectly installed engine coolant lines, the engine assembly (or parts required to complete repair) must be obtained from General Motors Customer Care and Aftersales (GMCC&A) through the normal parts ordering process. The exchange program is created as a way to correct internal concerns and to take what is learned and find a way to eliminate these concerns. External components causing a failure do not provide any useful information in improving an engine. The engine received from GMCC&A through the normal parts ordering process will be a new service engine.

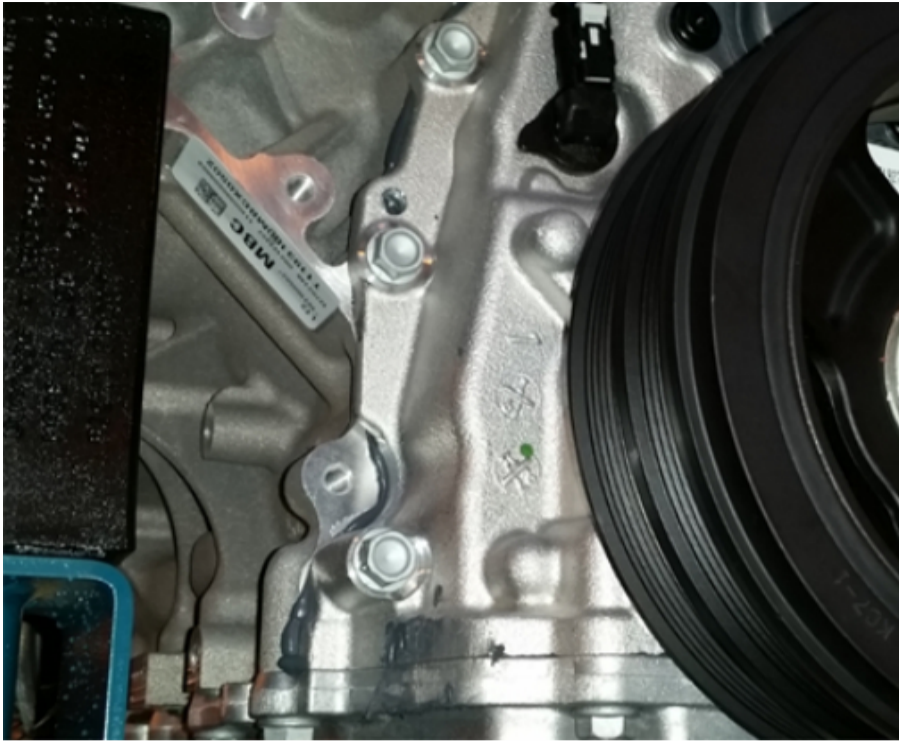
### Engine Broadcast Code Location

#### 6.2L Engine Assembly (RPO LT2)

Broadcast Label Shown on the front of engine.



1) Is located on the back of the left cylinder head



2) Is located on the front right side of the engine

### **Procedures:**

A thorough diagnosis must be performed on the condition in order to prevent unnecessary component replacements.

Contact the Product Quality Center (PQC) to verify the proper diagnosis has been performed.

Upon review of the diagnosis, the PQC will establish a case reference number and make arrangements for shipping an exchange unit to your dealership.

The replaced engine must be returned to the Warranty Parts Center (WPC).

**DO NOT SHIP AN ENGINE TO THE (WPC) WITHOUT AN OFFICIAL WPC REQUEST**

**Important: Failure to return the replaced engine by the due date will result in the dealership being debited the entire warranty claim (parts and labor).**

The removed unit must be returned complete in the original exchange shipping container

For effective engineering analysis, please do not remove any components.

Dress items on the removed unit must remain the same as the replacement engine (e.g., exhaust manifolds, throttle body etc.). Dealerships returning engines/components that have been even partially disassembled will be judged as violating this procedure and, as such, will be billed for all materials furnished.

**Notice: The exchange unit will be shipped with a quantity of oil; check oil level before starting the engine.**

**Low oil level could result in internal engine damage.**

### **WPC Request:**

The Warranty Parts Center (WPC) will fax a Special Part Request to your dealership requesting the return of the removed engine.

**DO NOT wait for the warranty claim to be paid before returning the removed engine.**

**The Special Part Request will provide a request number**

**This request number must be written on the outside of the return container using a permanent marker.**

**Failure to write the request number on the return container may delay the processing of your return.**

**If you do not receive the WPC Special Part Request, contact Julie Cumo at 248-371-9939 (for French call PQC 1-866-654-7654) to obtain the proper paperwork in order to return the removed engine. Failure to return the engine may result in a debit.**

### **Shipping Preparation:**

- 1. Remove the engine assembly/component as outlined in the applicable Service Manual.**
- 2. Drain all fluids from the removed engine.**
- 3. Retorque any fasteners that were loosened or removed to the original torque specification.**
- 4. Remove any plastic shipping plugs and covers from the exchange unit and install them on the removed unit.**
- 5. If the concerned engine leaks, mark the area directly on the engine with a permanent marker.**
- 6. Write the PQC case reference number on the repair order form.**
- 7. Write the PQC case reference number directly on the component in a visible location.**
- 8. Insert a copy of the WPC Special Part Request, repair order with technician comments, and the completed OEM EngineExchange Worksheet (template in this bulletin) into a plastic bag and securely fasten to the engine.**
- 9. Place the removed engine into the original shipping container**
- 10. Contact Julie Cumo at the Warranty Parts Center to arrange expedited pick-up of the unit at – (248)371-9939**

### **Shipping Instructions:**

- 1. Write the WPC request number and the PQC case reference number on the outside of the container with a permanent marker.**
- 2. U.S. Dealers - Please go to [www.gmwpc.com](http://www.gmwpc.com), click on the UPS emblem, enter your BAC and select “dealer inquires.” Select “available forms” located on the left side of the screen in blue, then select “Central Transport BOL.” A partially complete BOL will appear. Please print this Central Transport BOL and fill out “from” section with your dealer information and complete the descriptive fields.**

**Canadian Dealers - Refer to the latest version of Corporate Bulletin Number [99-00-89-019](#) for detailed shipping information.**

- 3. Contact the specified carrier to arrange for pick-up of the removed engine. If lift gate service is necessary, please request it at the time of arranging pick-up service.**
- 4. Have the driver sign the bill of lading. Retain a copy of the signed bill of lading. Attach your copy to the original repair order. This will be your proof of returning the removed engine.**
- 5. Ship all return exchanges/components Third Party Freight Collect with appropriate paperwork to**

**GM Warranty Parts Center  
45 Northpointe Drive  
Orion, MI 48359**

### **OEM Engine Exchange Template**

- Caller’s First and Last Name/Position:**

- **Technician's Name and Direct Phone:**
  
- **Parts Manager's Name:**
  
- **Parts Dept. Fax Number:**
  
- **(Note: PQC case text must contain Parts Manager's name and fax number to allow WPC to send the dealer a Special Part Return Request.)**
  
- **Dealership's Current Address:**
  
- **Customer Concern:**
  
- **Has the vehicle been modified with non-production accessories?**
  
- **Describe the failure of the engine:**
  
- **REQUIRED: Engine Broadcast Code:**
  
- **The broadcast code is a 3-digit code found on the engine front cover or engine block below intake manifold; see graphic in this PI for details)**
  
- **REQUIRED: Engine Serial Number:**
  
- **(Broadcast Code and Serial Number are located on the same label)**
  
- **Engine Replacement Cost = \$**
  
- **Requested Labor Time:**
  
- **Does the vehicle have any DTCs in the ECM/TCM/BCM?**
  
- **Note: GDS must be launched from TIS to make sure all the data is captured and can be retrieved.**
  
- **If no, continue with template**
  
- **If yes, list codes and perform necessary diagnosis (If no diagnosis has been performed, has the dealer indicated why it was not completed for these codes?)**
  
- **Are there any leaks (Y/N)**

- **If no, continue to next question.**
  
- **If yes, complete the following**
  
- **What type of leak?**
  
- **Location of the leak? (Provide Pictures)**
  
- **Are there any Noises (Y/N)**
  
- **If no, continue to next question**
  
- **If yes, complete the following**
  
- **What kind of noise?**
  
- **Location and Frequency of the noise?**
  
- **When does it occur?**
  
- **How long does it last?**
  
- **Any Lubrication Concerns (Y/N)**
  
- **If no, continue to next question**
  
- **If yes, complete the following**
  
- **Oil pressure readings:**
  
- **Results of oil consumption test:**
  
- **Was the oil contaminated?**
  
- **If yes, what type of contamination?**
  
  
- **Did the engine show evidence of the following:**
  
- **Overheating? (Y/N)**
  
- **Coolant consumption? (Y/N)**



- **Coolant contamination?(Y/N)**
- **Low compression?(Y/N)**
- **If yes to any of the above, please provide the readings:**
- **Any Performance Concerns (Y/N)**
- **If yes, List**
- **Low power?**
- **Misfire?**
- **Detonation?**
- **Blue smoke?**
- **White smoke?**
- **Will engine crank?**
- **Vibration?**

Parts Information

Description	Part Number	Quantity
Engine (LT2)	12699328	1

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
4067490	Engine Replacement	Use Published Labor Operation Time
<b>For engine exchange only: a \$400.00 misc. net allowance for the engine can be claimed in the warranty transaction</b>		

**Important: Applicable miscellaneous items such as engine oil and coolant should be added to the part allowance amount and claimed in the Parts Cost column and not included in the Net Amount (DMN) column of the warranty claim.**

**Your cooperation is greatly appreciated. Prompt return of the original engine will increase the**

effectiveness of this program.

If you have any questions regarding the exchange program administrative procedures, please contact the Product Quality Center

Version History

Version	1
Modified	9/1/2020 - Created



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