

Enter VIN  COMPRESSOR  VIN Filter  UltraVIN Filter

Within: C - Chevrolet 2020 X - Equinox ALL GROUPS

Without: Search Ter...  Contains Parti...  View Part Deta...  View Illustration  Type to narrow

Illustration Text	Part Text	Associated Parts	Illustration Title	Usage	Brand	Year
Part #	Group	H	Part Description			
13392204	05.880		COMPRESSOR, TIRE AIR	XP26 TIRE INFLATOR KIT(KTI)	GM GENUINE PARTS/ACDELCO GM ORIGINAL EQUIPMENT	2018
84666663	09.170		COMPRESSOR KIT, A/C (WHEN USED ON 2020 AND PRIOR ORDER BOLT 11588733).(ACDelco #84666663).(Service Lane Part)	XR,XS26 2.0 (LTG)	GM GENUINE PARTS/ACDELCO GM ORIGINAL EQUIPMENT	2020
84666664	09.170		COMPRESSOR KIT, A/C (WHEN USED ON 2020 AND PRIOR ORDER BOLT 11588733).(ACDelco #84666664).(Service Lane Part)	XPXR,XS26 1.5 (LYX)	GM GENUINE PARTS/ACDELCO GM ORIGINAL EQUIPMENT	2018

Pay Type: Custo... Prices: List, Trade ...

# GM Global EPC Update

## ENHANCES SEARCH FUNCTIONS AND PART VIEW OPTIONS

*The GM Global Electronic Parts Catalog (EPC) was recently updated with a number of enhanced features that add to the search functions of the EPC.*

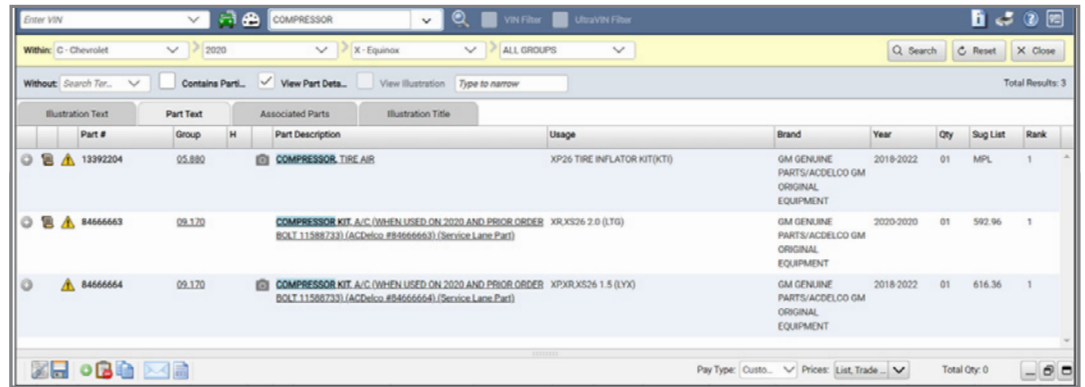
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# GM Global EPC Update

Many of the new features in the latest release of the EPC were driven by suggestions from EPC users at GM dealerships. Here's a look at some of the new functions.

## SEARCH RESULTS

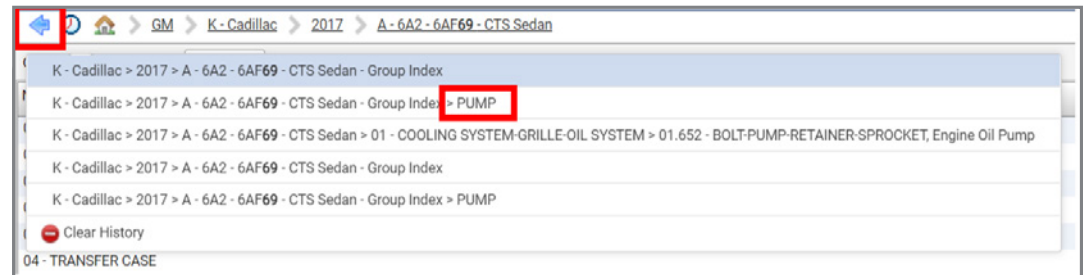
The part brand is now considered when listing search results. The Part Text search results are sorted by brand, and then by the part description within each rank.



The Part Text search results are sorted by brand.

## SEARCH HISTORY

Prior search results can be viewed using the Navigation History menu, allowing multiple results to be checked without starting a new search. Previously, neither the back button or navigation history would return the user to the original search results once a selection was made.

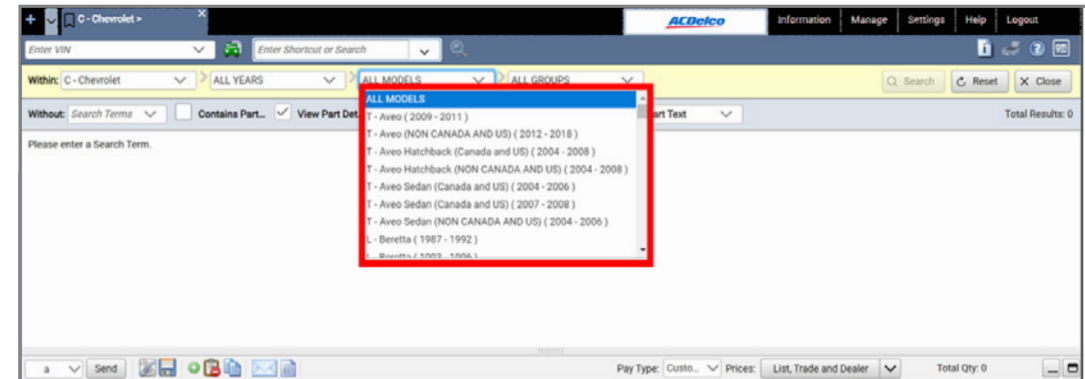


Use Navigation History or the back button to view previous search results.

In addition, now using the back button will return to previous searches in the appropriate historical order.

## SEARCH MODEL ACROSS ALL YEARS

The search criteria has been updated to include all years for a selected make and model. Previously, it was necessary to specify a single year before being able to select a model in the dropdown menu.



Search criteria can include all years for a selected make and model.

Choose any model's corresponding catalog (by year range) in the dropdown menu to search all years within that selected catalog, which lists the full year ranges for a given model. The search results will display for all available years for the model selected.

## NOTES DISPLAYED IN PART HISTORY

In the past, detailed notes that were added at the part number level were no longer available to view when the old part number was replaced in the EPC. User notes now display in the EPC for historical part numbers. A user-added note indicator is shown in both Side-by-Side and Part Text displays.

## EXCEPTION CRITERIA HIGHLIGHTED

To make it easier to identify parts that are not indicated for the vehicle being serviced and to help avoid ordering the wrong parts, exceptions (such as in part usage and illustration titles) are displayed with a red, bold, italic EXC.

## PART IMAGE VIEWS

Part images can be viewed several ways, including panning to a preferred area of the photo or zooming in for a more detailed view. Left click the mouse to grab and move the photo.

The latest GM Global EPC update was released in June 2023. The EPC link is available on your GlobalConnect Parts Workbench.

For questions or support when using the Global EPC, the GM EPC Technical Support help desk at 1-888-994-6372.

► Thanks to Mary Daly and Nicole Schulz

Model - Catalog	Group	Part #	H	Part Description	Usage	Year
- 1A2	10.146 BLADE-REFILL-WIPER, Windshield Wiper Blade	22985978	L	WIPER,W/S (REFILL)-LH	AG,AH,AJ,AK	2016-2023
- 1A2	10.146 BLADE-REFILL-WIPER, Windshield Wiper Blade	22985978	L	WIPER,W/S (REFILL)-LH	AL	2017-2023
- 1A2	10.146 BLADE-REFILL-WIPER, Windshield Wiper Blade	1937222	L	WINDSHIELD WIPER BLADE,FRONT LEFT BEAM BLADE (SPOILER INCLUDED)	AG,AH,AJ,AK37-67	2016-2022

Search results will display for all available years for the model selected.

Call	Part #	Group	H	Description	Usage	Year
1	84602089	09.650		CONTROL ARM/IM STEREO RDO (UPLEVEL INTEGRATED CENTER STACK W/HEATED/COOLED SEATS) (ACDelco #84602089) (LABELED 84237887)	AF,AK,AL69 (BOSJOT,K86,K4C) (EXC,CW1)	2017-2017
3	1161112	09.625		BOLT, WIRELESS CHARGING SYS MODULE (PART OF 4) (MAX1 48X10.4) (SCREW PAN, 9 THD, 900) (9.715) (ACDelco #1161112)	AF,AK,AL69	2016-2019

User-added note indicator

Call	Part #	Group	H	Description	Usage	Year	Qty
1	84725133	02.679		LAMP KIT, RR SIG (INCLS 2-7) (INSTALL 1.00) (3.54 KG)	AG,AH37-67 (SCY) (EXC,TW7,WRS)	2022 - 2023	01
2	84725130	21.513	R	LAMP, RR STOP (PART OF 1) (INCLS 3-6) (2.679) (SERVICEABLE COMPONENT OF LMP KIT 84031130)	AG,AH37-67 (EXC,TW7,WRS)	2022 - 2023	01
3		NS		BOLT, (PART OF 1,2,7)		2022 - 2023	
4	84529729	21.066	L	BRACKET, RR BODY STRUCTURE STOP LP (PART OF 1,2,7) (2.662) (SERVICEABLE COMPONENT OF LMP KIT 84031130)	AG,AH (EXC,TW7,WRS)	2022 - 2023	01
4	84529728	21.066	R	BRACKET, RR BODY STRUCTURE STOP LP (PART OF 1,2,7) (2.662) (SERVICEABLE COMPONENT OF LMP KIT 84031130)	AG,AH (EXC,TW7,WRS)	2022 - 2023	01
5		NS		HARNES, RR LP WRG (PART OF 1,2,7)		2022 - 2023	

Part exceptions are displayed with a red, bold, italic EXC.

GM GENUINE PARTS/ACDELCO GM ORIGINAL EQUIPMENT : KEY, DR LK & IGN LK (UNCODED) (Service Lane Part)

Part # 13523213

Usage: NH,NK,NL,NM26

Location: 02.187 - BATTERY-KEY, Ignition and Locks

WARNING

Part Images

Zoom in or pan across parts photos

# DUST INTRUSION

## IN THE EVAP SYSTEM

When operated in extremely dusty environments, there may be some dust intrusion into the evaporative emission (EVAP) system that can plug the canister and canister vent solenoid on some 2019-2023 Silverado 1500, Sierra 1500; 2022 Silverado 1500 LTD, Sierra 1500 Limited; 2020-2024 Silverado 2500HD/3500HD and Sierra 2500HD/3500HD models. DTCs P0442 (Evaporative Emission System Small Leak Detected), P0446 (EVAP Vent System Performance), P0455 (Evaporative Emission System Large Leak Detected) or P0449 (Evaporative Emission Canister Vent Valve Control Circuit) also may set.

An in-line filter may be installed between the EVAP canister and air inlet to address this condition. Shown is an original EVAP canister vent hose and a modified vent hose with the filter assembly.

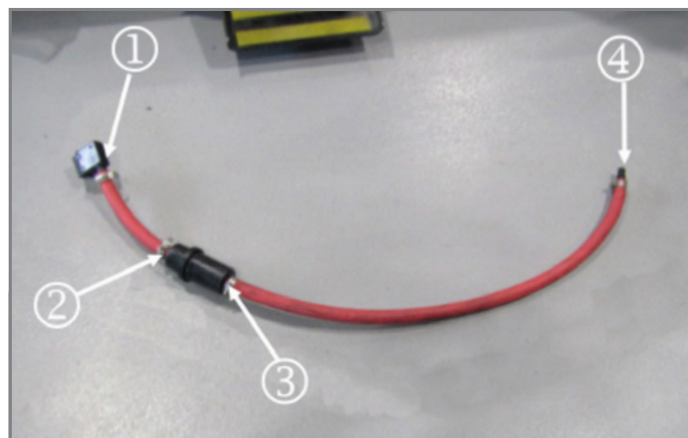
**TIP:** The retrofit to add the in-line filter is a customer-pay repair. The filter is meant to be a maintenance item that should be checked periodically to help prevent dust intrusion in the EVAP system.

The filter assembly features three parts, including the in-line filter, that is installed as part of the EVAP canister vent hose. Refer to Evaporative Emission Canister Vent Hose Replacement (Filler Pipe to Pipe) in the appropriate Service Information.

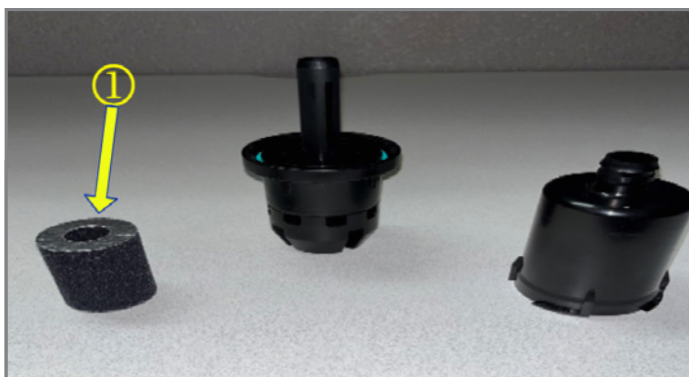
After the in-line filter assembly is installed in a new hose section, the hose is secured to the pre-filter and to a male fitting that connects to the quick connect fitting on the canister vent solenoid jumper line.



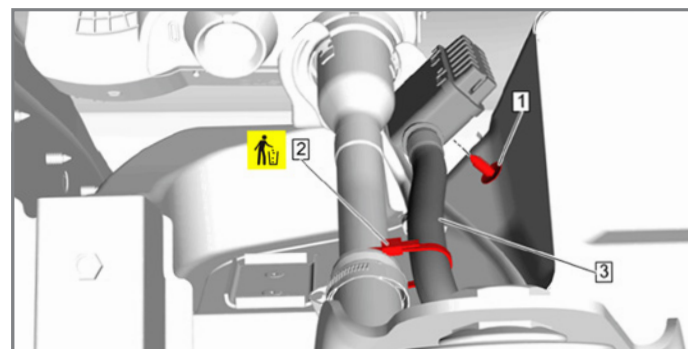
An example of the original (top) and the retrofit



In-line filter secured to the hose assembly (#2 and #3). The hose is secured to the pre-filter (#1) and a male fitting connecting to the canister vent jumper line.



Filter assembly with filter (1)



VAP vent hose (#3)

CONTINUED ON PAGE 5

# Diagnosing History DTCs

During vehicle diagnosis, a key part of Strategy Based Diagnosis is to check for current and history DTCs. It's important to understand DTC status, its relationship to diagnosing a vehicle and if the fault is currently present on the vehicle.

Each DTC represents the status of a particular internal test within a control module. Given appropriate conditions, the control module will begin actively monitoring conditions specified by the diagnostic. For history DTCs, the fault is not currently present on the vehicle. This information can be helpful in determining the root cause of a condition, but the history DTC by itself does not indicate a current issue with a component.

## SERVICE BULLETINS

In the past, Bulletins have been released in the Service Information identifying certain DTCs set in history that could be ignored on certain vehicles with a particular condition. The Bulletins would address common misdiagnosis of some vehicle conditions or list DTCs set in history that were not related to the condition.

Starting with the 2024 model year, these types of Bulletins will no longer be published. Additional information has been added to some Service Information documents to help clarify DTC-related diagnosis.

For example, in the Diagnostic System Check – Vehicle document, under Vehicle Power Up Verification, the following information has been added:

Note: When checking for DTCs and determining what diagnostic actions should be taken, it is important to understand if the DTC is an active (current) DTC or a history DTC. Additionally, some DTCs are known to only set as history DTCs with no active faults present. Refer to DTC Status Information to help determine which DTCs are active and should be diagnosed as such, and which DTCs are not currently active and should not be considered for diagnosis.

## HISTORY DTCs

Diagnostic procedures are written only for an active fault with

Diagnostic System Check – Vehicle

→ If the symptom is exclusively a mechanical concern  
Refer to: [Symptoms - Vehicle](#)

→ If the symptom is not a mechanical concern

Note:

- Do not clear any DTCs unless instructed to do so by a diagnostic procedure. If any DTC is Powertrain related, select Capture Info to store DTC and Freeze Frame/Failure Records to the scan tool.
- Changes in vehicle power mode can be determined by the indicators on the 334 On/Off Vehicle switch. The indicator should match the selected power mode and change as the power mode is changed.

4. VEHICLE POWER UP VERIFICATION — Vehicle in Service Mode, verify the vehicle powers up.

→ If the vehicle does not power up

Refer to: [Power Mode History](#)

→ If the vehicle powers up

Note: When checking for DTCs and determining what diagnostic actions should be taken, it is important to understand if the DTC is an active (current) DTC or a history DTC. Additionally, some DTCs are known to only set as history DTCs with no active faults present. Refer to [DTC Status Information](#) to help determine which DTCs are active and should be diagnosed as such, and which DTCs are not currently active and should not be considered for diagnosis.

control module communicates with the scan tool. Record on the Repair Order the following information:

- Any control module that is not communicating.
- Any DTC, including symptom byte, and the control module that has set the DTC.

→ If the scan tool does not communicate with any control module on the vehicle  
Refer to: [Data Link References](#)

→ If the scan tool communicates with any control module

6. CONTROL MODULE INTERNAL PERFORMANCE FAULTS — Verify there are no current control module Internal Hardware Performance DTCs set.  
→ If any DTC of this type is set

a current DTC. History DTCs related to the customer complaint may be used as a guide or indicator for replicating the condition that caused the DTC to set. Review the Conditions for Running the DTC in a DTC diagnostic procedure for help in recreating the conditions necessary for the DTC to run. Information within the DTC diagnostic procedure, such as the Fault Information table or Conditions for Setting the DTC, also may be helpful in recreating an intermittent DTC.

DTC Status Information

Diagnostic Trouble Codes (DTCs) are status indicators of the vehicle's self-diagnostic and reporting capability. Each DTC represents the status of a particular internal test within a control module. Given appropriate conditions, the control module will begin actively monitoring conditions specified by the diagnostic. These are identified and referred to as Conditions for Running the DTC in service information. Each DTC has an associated status, identifying the state of the control module diagnosed. These statuses are identified when viewing DTC information on the scan tool and are described below.

Decoded Value	DTC Status	Description
Not Failed		Test has completed at least once this operating cycle and has passed successfully each time.
Current		Test has completed since the last DTC clear, has met the threshold to be stored in long term memory, and has failed the most recent completed test. Test may not have run yet this operation cycle.
History		Test has completed since the last DTC clear, has met the threshold to be stored in long term memory, and has passed the most recent completed test. Test may not have run yet this operation cycle.
Pending		Test has completed and failed at least once in the current or previous operation cycle.
Test Not Complete This Operating Cycle		Test has completed at least once since DTC clear but has not completed yet this operation cycle. Test may have failed since clear but has not met the threshold to be stored in long term memory.
Test Not Complete Since DTC Cleared		Test has not completed successfully since the DTC was last cleared.
Failed Since DTC Cleared		Test has completed since the last DTC clear and failed at least once but has not met the threshold to be stored in long term memory and has not failed during the current or previous operation cycle.

DTC Status Information

For more information about current and history DTCs as well as the conditions for running the DTCs, refer to DTC Status Information in the appropriate Service Information.

► Thanks to Peter Joslyn and Mike Waszczenko

## DUST INTRUSION, CONT.

With the new hose and in-line filter assembly installed on the EVAP canister vent hose, secure the new hose at the same locations as the previous line.

Refer to Bulletin #23-NA-073 for additional information and part numbers.

► Thanks to Kevin Minor

Secure the new hose at the same locations as the previous line.

# Service Headlamp System Message

A Service Headlamp System message may be displayed on the Driver Information Center (DIC) on some 2020-2023 Corvette models equipped with the Front Lift System (RPO E60). The message may be displayed without any noticeable symptoms on the vehicle. All headlamps and exterior lighting functions may work correctly and no DTCs may be set.



The Service Headlamp System message may display on models equipped with the Front Lift System.

To address the Service Headlamp System message, closely inspect all areas of LIN bus 13 / circuit 2859 that runs from the headlamp capsules to the Body Control Module (BCM). The purpose of this circuit is to command the leveling portion of the headlamps up and down in response to the activation of the front suspension lift system.

The front suspension position sensors provide the K218 Front Suspension Leveling/Lifting Hydraulic Power Pack Module with suspension position information, which sends this information through serial data to the BCM. The BCM responds by sending this information through serial data on LIN bus 13 to each

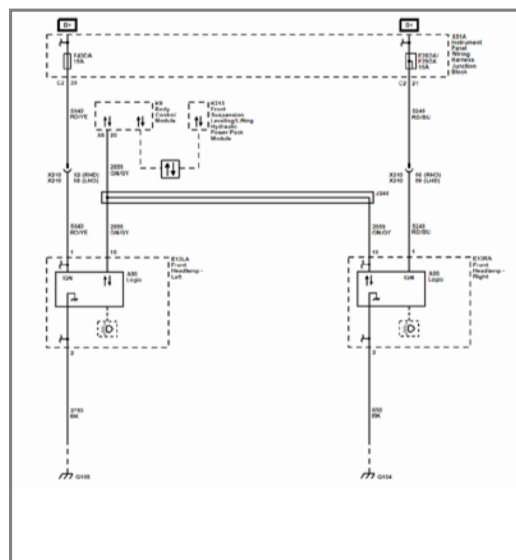
headlamp assembly. The headlamp assemblies respond by adjusting the headlamp low/high beams to the appropriate position to compensate for the suspension position of the vehicle.

When the vehicle is started, the BCM sends out a test signal to each headlamp to confirm the LIN bus is working correctly. If the message is not received and responded to, the Service Headlamp System message is displayed in the DIC.

When checking the LIN bus, there is not a way to tell where an issue may exist in the circuit. It will be necessary to physically inspect the entire circuit, looking for any open or ground concerns, on both sides of the vehicle.

Refer to #PIC6512 for more information.

► Thanks to Matt Bierlein



LIN bus 13 / circuit 2859 runs from the headlamp capsules to the BCM.



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**Publisher:**  
Ravishankar Bommanahally  
GM Customer Care and Aftersales

**Editor:**  
Chris Henley  
GM Customer Care and Aftersales

**Technical Editor:**  
Mark Spencer  
mspencer@gpstrategies.com

**Production Manager:**  
Marie Meredith

**Creative Design:**  
5by5 Design LLC  
dkelly@5by5dzign.com

**Write to:**  
TechLink  
PO Box 500, Troy, MI 48007-0500

**GM TechLink on the Web:**  
GM GlobalConnect

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