



Preliminary Information

PIP5585 2019 Full Size Truck E90 ECM Restriction

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado 1500 New Model	2019	All	All	5.3L 6.2L L83 L84 L87	All
GMC	Sierra 1500 New Model	2019	All	All	5.3L 6.2L L82 L84 L87	All

Involved Region or Country	North America
Condition	As part of our ongoing quality improvement efforts the Engine Control Module (ECM) E90 part number 12690383 will be placed on a parts restriction through the Product Quality Center (PQC)
Cause	This parts restriction will assist Engineering with product feedback

Correction:

If you require an engine control module (ECM) please complete the following diagnostic questionnaire before you contact PQC.

Is the Restricted part being requested for customer part? Yes/No

List any history and current (active) DTCs by control module

- What Module?
- What is the DTC?

Are any of the DTCs repeatable? (Y/N)

If yes, List the repeatable DTCs.

If the ECM has set a P0606 or a P16F3, be sure to complete the service diagnostic flow chart

If P0700 is present in the ECM, it should NOT be necessary to replace the ECM.

The P0700 DTC is caused by a concern from the TCM and should be accompanied by another DTC.

Please refer to the appropriate trouble tree for the DTC that accompanied TCM P0700.

Is outside ambient and/or engine coolant temperature related to the condition? (Y/N)

If no, continue to the next question.

If yes, under what conditions?

What SI document number(s) were used for diagnosis?

List the step of the Circuit/System Testing that led to replacement.

Were there any previous repairs related to this concern? (Y/N)

Is the vehicle modified with any non-production accessories? (Y/N)

Does the vehicle have a recent history of low battery voltage or been jump-started? (Y/N)

Has the battery been charged recently? (Y/N)

Were the wires / harnesses checked for proper routing, and are free from damage, stretch, pinch, etc.? (Y/N)

Have all of the ECM grounds been checked? (Y/N)

List any loose grounds/connections encountered, and reference the specific power and ground schematic.

Have the connector terminals been checked for “backed out” or “damage” at the ECM and sensor based on the DTC. (Y/N)

Has the ECM been reprogrammed? (Y/N)

If yes, was programming interrupted at any point? (Y/N)

If yes, call the Techline Customer Support Center 1-800-828-6860.

Parts Information

Description	Part Number	Quantity
K20 ECM	12690388	1

Warranty Information

Labor Operation	Description	Labor Time
4025390	Engine Control Module Replacement	Use Published Labor Time

Version History

Version	1
Modified	9/13/2018 - Created

