



Preliminary Information

PIP5390F Malibu 5ET50 (MKE) Hybrid Transmission Restriction Program

Models

| Brand: | Model: | Model Years: | VIN: | | Engine: | Transmissions: |
|-----------|--------|--------------|------|-----|---------|----------------|
| | | | from | to | | |
| Chevrolet | Malibu | 2016 - 2019 | All | All | LKN | MKE |

Supersession Statement

This PI was superseded to update part number. Please discard PIP5390E

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition / Concern

This PI will explain the 5ET50 (MKE) electric variable automatic transmission assembly for the 2017 MY Chevrolet Malibu Hybrid. This program will start on April 1st, 2016 to gather important feedback on this new transmission. This bulletin will be revised to announce the end of the exchange program at a later date.

Product teams continually seek valuable information for engineering improvements. To assist in this effort the restriction program will be used for this product. It is imperative that freeze frame failure records be captured along with DTC's and not cleared.

Recommendations / Instructions

The 5ET50 (MKE) hybrid transmission assembly will be administered by the GM Technical Assistance Center (TAC). The servicing technician must provide detailed customer comments, conditions, diagnostic trouble codes (DTCs) and other useful information. To request restricted components, dealerships are required to call Technical Assistance (TAC). Prior to calling TAC, please read through this entire document. If diagnosis leads to replacement of one or more of the restricted components listed below please have all SI document numbers used during diagnosis available prior to contacting TAC.

TAC Telephone Number US 1-877-446-8227   (Action Center prompt or Hybrid prompt) Canada 1-800-263-7740   for English or 1-800-263-7960   for French

Danger: Always perform the High Voltage Disabling procedure prior to servicing any High Voltage component or connection. Personal Protection Equipment (PPE) and proper procedures must be followed.

The High Voltage Disabling procedure will perform the following tasks:

- Identify how to disable high voltage.
- Identify how to test for the presence of high voltage.
- Identify condition under which high voltage is always present and personal protection equipment (PPE) and proper procedures must be followed.

Before working on any high voltage system, be sure to wear the following Personal Protection Equipment:

- Safety glasses with appropriate side shields when within 50 feet of the vehicle, either indoors or outdoors.
- Certified and up-to-date Class "0" Insulation gloves rated at 1000V with leather protectors.
- Visually and functionally inspect the gloves before use.
- Wear the Insulation gloves at all times when working with the Drive Motor Battery assembly, whether the system is energized or not. Failure to follow the procedures exactly as written may result in serious injury or death.

Important: If vehicle damage does not allow access to the high voltage manual disconnect, then disconnect the 12V battery and remove the damaged portion of the vehicle until such time as the HV manual disconnect can be removed and the High Voltage Disabling procedure can be completed.

1. Perform the high voltage disable procedure at the drive motor generator control module assembly or cable connections. Refer to High Voltage Disabling in SI.
2. Perform the high voltage enable procedure when the transmission is installed or repaired and ready to be test driven.

If TAC releases the Drive unit you may also need to order the parts below to install the drive unit.

Please Check Service Information for the parts listed that are needed for install.

| PART Name as listed in SI | Part # | QTY |
|---|----------|-----|
| Seal, PIM hose | 23323369 | 1 |
| Transmission Mount Bolt | 11547918 | 3 |
| Exhaust gasket | 23156339 | 1 |
| Stabilizer Shaft Link Nut | 11547349 | 2 |
| Front lower control arm ball joint Nut | 11546368 | 2 |
| Transmission Mount Strut Bolt | 11611642 | 1 |
| Drive axle shaft Clip | 90121202 | 2 |
| Wave wash (If axles are removed from Hubs) | 11547142 | 2 |
| Wheel Drive shaft nut (if Removed from hubs) | 11611687 | 2 |
| intermediate steering shaft outer boot clamp | 11548288 | 1 |
| Cooler line seal inlet | 25874797 | 1 |
| Cooler line seal outlet | 84207309 | 1 |

For Return and Shipping

Please make sure that you are strapping the transmission down. Most of the transmissions are being returned have sustained damage from shipping.

Position the strap as shown in the pictures below and tighten with the ratchet.



Parts Information

| Model Year | Part Number | Description | QTY |
|-------------|-------------|--------------|-----|
| 2016 - 2018 | 24290912 | Transmission | 1 |
| 2019 | 24294037 | Transmission | 1 |

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.



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