



# Service Bulletin

File in Section: -

Bulletin No.: 17-NA-312

Date: October, 2017

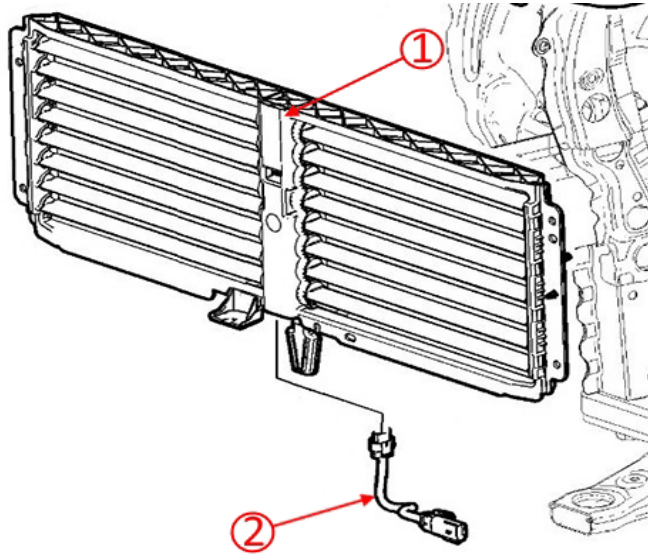
## TECHNICAL

**Subject:** Active Shutters Inoperative, Malfunction Indicator Lamp (MIL) Illuminated - DTCs U01B0, U0284, U1345 Set

| Brand:    | Model:  | Model Year: |      | VIN: |    | Engine: | Transmission: |
|-----------|---------|-------------|------|------|----|---------|---------------|
|           |         | from        | to   | from | to |         |               |
| Chevrolet | Equinox | 2018        | 2018 |      |    |         |               |

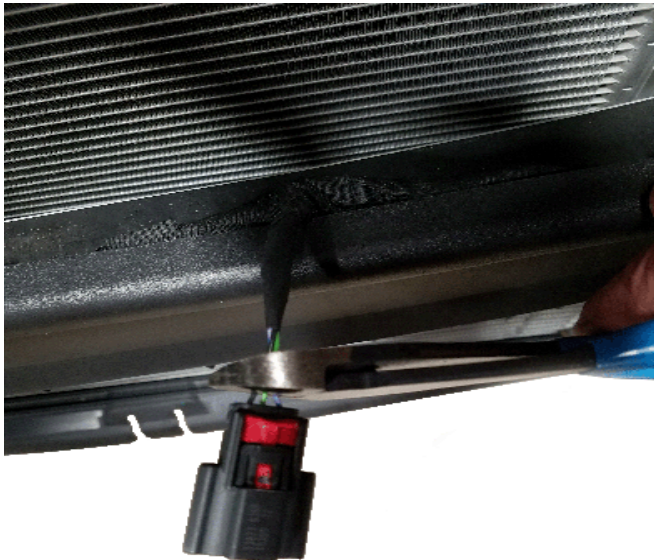
|                                   |  |
|-----------------------------------|--|
| <b>Involved Region or Country</b> | North America and N.A Export Regions   |
| <b>Condition</b>                  | <p>Some customers may comment on the Malfunction Indicator Lamp (MIL) being illuminated.</p> <p>The technician may find one or more of the following DTCs set:</p> <ul style="list-style-type: none"><li>• U01B0</li><li>• U0284</li><li>• U1345</li></ul>   |
| <b>Cause</b>                      | This condition may be caused by water intrusion into the X102 electrical connector.  |
| <b>Correction</b>                 | <p>Perform inspection of the X102 active shutter electrical connector for signs of water and/or corrosion.</p> <ul style="list-style-type: none"><li>• If corrosion is present, replace the shutter wiring harness and the forward wiring harness pigtail to shutter harness.</li></ul> <p>⇒ Apply dielectric grease to the wiring harness electrical connectors.</p> <ul style="list-style-type: none"><li>• If corrosion is not present, apply dielectric grease to all the electrical connectors and refer to SI for further diagnostics.</li></ul> |

## Service Procedure



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1. Remove the front bumper shutter (1). Refer to *Front Bumper Shutter Replacement* in SI.
2. Remove the shutter wiring harness (2).
3. Install the new shutter wiring harness.
4. Install the front bumper shutter.



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5. Cut off the forward wiring harness X102 pigtail electrical connector approximately 50 mm (2 in) back.

**Important:** The pigtail that is required to repair the shutter harness is not readily available. It is required that the forward wiring harness be ordered so the connector and wiring can be used to complete the repair for the shutter.



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6. Using care, cut the new forward wiring harness tape.
7. Cut the new forward wiring harness at the main section of the harness as shown in the graphic above.

**Important:** Use only Duraseal splice sleeves (salmon, P/N 12089189). Other splice sleeves may not protect the splice from moisture or provide a good electrical connection. Refer to *Splicing Copper Wire Using Splice Sleeves* in SI for splicing procedures.

8. Splice the pigtail to the forward wiring harness using the following sequence. Refer to *Inline Harness Connector End Views* in SI for addition information:
  - Splice the VT/BU wire.
  - Splice the GN/VT wire.
  - Splice the BK wire.
9. After splicing the wires together, tape the harness using anti-abrasion electrical tape. Obtain Woven Polyester Electrical Tape (PET) (Special Order PN RZ97156A00) from Kent Automotive.
10. Apply dielectric grease to the connectors.
11. Connect the shutter side electrical connector to the forward wiring harness electrical connector.

## Parts Information

| Causal Part | Description              | Part Number | Qty |
|-------------|--------------------------|-------------|-----|
| x           | HARNESS, RAD SHUTTER WRG | 84193593    | 1   |
|             | HARNESS, FWD LP WRG      | 84193564    | 1   |
|             | HARNESS, FWD LP WRG      | 84193565    | 1   |
|             | HARNESS, FWD LP WRG      | 84193574    | 1   |
|             | HARNESS, FWD LP WRG      | 84193575    | 1   |
|             | HARNESS, FWD LP WRG      | 84193582    | 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 |
|--|---|------------|
| 5480508*   | Shutter harness replacement and Forward Wiring Harness Repair | 2.5 hrs    |
| *This is a unique Labor Operation for Bulletin use only. |   |            |

|          |                             |
|----------|-----------------------------|
| Version  | 1                           |
| Modified | Released September 29, 2017 |

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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