



## Service Bulletin

### TECHNICAL

**Subject:** Intermittent Malfunction Indicator Lamp (MIL) Illuminated, DTC P2138 with Reduced Engine Power (Repair Instrument Panel (IP) to Body Harness Connector)

**Models:** 2005-2011 GM Passenger Cars and Light Duty Trucks (Including Saturn)  
2005-2009 HUMMER H2  
2006-2010 HUMMER H3  
2005-2009 Saab 9-7X

This bulletin is being revised to update the model years and warranty information. Please discard Corporate Bulletin Number 07-06-04-019C (Section 06 – Engine/Propulsion System)

#### Condition

- Some customers may comment on an intermittent malfunction indicator lamp (MIL) being illuminated with a message or an indicator that displays Reduced Engine Power.
- The technician may observe on a scan tool DTC P2138 – Accelerator Pedal Position (APP) Sensor 1-2 Correlation set as Current or in History.

#### Cause

This condition may be caused by water intrusion into the instrument panel (IP) to body harness connector, which carries the APP sensor signals to the ECM/PCM. This water intrusion results in a voltage difference between APP Sensor 1 and APP Sensor 2 that exceeds a predetermined value for more than a calibrated period of time, setting P2138.

#### Correction

**Note:** Aftermarket equipment can generate DTC P2138 and/or other DTCs.

1. Verify that aftermarket equipment is not electrically connected to any of the APP sensor signal or low reference circuits or to any other ECM/PCM 5V reference or low reference circuits. Refer to Checking Aftermarket Accessories in SI.
2. Perform the Diagnostic System Check - Vehicle.
  - > If any 5V reference DTCs **are** set, refer to Diagnostic Trouble Code (DTC) List - Vehicle.
  - > If any 5V reference DTCs **are not** set, proceed to Step 3.

3. Locate the IP to body harness connector, which may be located in and around the left hand kick panel area or inside the IP. Depending on the vehicle and model year, refer to Wiring Systems or Power and Signal Distribution in SI.

**Note:** Some examples of potential water leaks are: A-pillar seals, sunroof drain lines (if equipped) and windshield/cowl sealing.

4. Inspect for a water leak in the area. If necessary use a water hose to determine the source of the leak. Refer to General Information > Water Leaks in SI.
  - > If a water leak is observed, repair as necessary. Verify the effectiveness of the repair.
5. Inspect the IP to body harness connector terminals for corrosion and debris. Refer to Testing for Intermittent Conditions and Poor Connections in SI.
  - > If any corrosion and/or debris is observed, repair as necessary.
6. After completing the repair, verify the proper operation of the system. Depending on the vehicle and model year, perform the Diagnostic Repair Verification procedure or refer to Diagnostic Trouble Code (DTC) List - Vehicle in SI.

### Warranty Information (excluding Saab U.S. Models)

For vehicles repaired under warranty, use the appropriate labor operation for the source of the water leak

Labor Operation	Description	Labor Time
B5410	Body Joint Resealing	Use Published Labor Operation Time
C0010	Plenum Panel Resealing	
C0020	Windshield Resealing	

**Note:** Time for removal of necessary components to gain access to the leak and connector repair must be submitted as Other Labor Hours and have appropriate authorization.

### Warranty Information (Saab U.S. Models)

For vehicles repaired under warranty, use:

Labor Operation	Description	Failed Object	Fault/Reason Code	Location Code	Warranty Type	Repair/Action Code	Labor Time
8133101	A-Pillar Sealing	81331	61	0	01	01 (Replace) 05 (Repair)	Use Published Labor Operation Time
8129301	Sunroof Drains Leak	81293					
8431102	Windshield Sealing	84311					

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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