



Service Bulletin

PRELIMINARY INFORMATION

Subject: Malfunction Indicator Lamp (MIL) Illuminated, DTC P0502: Vehicle Speed Sensor (VSS) Circuit Low Voltage

Models: 2013-2015 Cadillac ATS
2014-2015 Chevrolet Corvette
Equipped with Manual Transmission (RPO M3L, MEL, MEP or MEK)

Attention: This PI also applies to any of the above models that may be Export vehicles.

Condition/Concern

Some customers may comment on a malfunction indicator lamp (MIL) illuminated.

During diagnosis a technician may notice that the Engine Control Module (ECM) has stored diagnostic trouble code (DTC) P0502 as current or in history.

This may be caused by water intrusion into the vehicle's manual transmission output speed sensor.

Recommendation/Instructions

If the above condition exists, replace the vehicle manual transmission output speed sensor. Refer to the proper replacement procedure in SI.

Parts Information

Part Number	Description
19299231	SENSOR ASM, M/TRNS OUTPUT SPD

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.

Vehicle	Labor Operation	Description	Labor Time
ATS	8440890	Vehicle Speed Sensor Replacement	Use Published Labor Operation Time
Corvette	8440900	Output Speed Sensor Replacement	Use Published Labor Operation Time

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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