



Service Bulletin

PRELIMINARY INFORMATION

Subject: GM TAC Support of Vehicle Vibration Complaints - US And Canada Dealers Only

Models: 2010 - 2015 GM Passenger Cars and Light Duty Trucks

This PI was superseded to update Model Years and Recommendation/Instructions. Please discard PIT5214.

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

Condition/Concern

GM has identified that multiple repair attempts are being performed on Customer vehicles that exhibit vibration conditions without utilizing the support of GM Technical Assistance Center (GM TAC).

Recommendation/Instructions

To improve the effectiveness of resolving vehicle vibration complaints and improve customer satisfaction, General Motors has implemented the following guidelines effective immediately

1. If valid vibration frequency or RFV (Road Force Variation) data has been collected and a repair attempt does not correct the customer complaint, contact GM TAC for further support. Do NOT make further repair attempts
2. For any vehicle that remains unrepaired after being at the dealer for three (3) days or more and a related bulletin or PI is not found, contact GM TAC for further support.

Important: Be prepared to provide Pico Scope readings and possibly send a Pico snapshot to the TAC snapshot database upon request of the TAC consultant. Pertinent information about the vehicle should be known (i.e. tire measurements, aftermarket equipment, etc.) along with as much of the "Vibration Analysis Worksheet" completed as per TSB 03-00-91-001 prior to contacting TAC as the TAC consultant will need to document this information in the case.

Notice: The Pico Scope (CH-51450A Oscilloscope Diagnostic Kit) is GM's "essential tool" for vibration analysis. It's very important technicians are properly trained in its usage. Without a Pico Scope, it can be difficult if not impossible to properly diagnose vibration concerns. This tool will (when properly configured) provide source, frequency, order, and amplitude of a given vibration. As a baseline, all vibration measurements should be from the driver's side inboard seat track.

Technicians should reference the latest version of the following TSBs for such Customer complaints:

TSB	Description
PI1354	Information on Vibration Analysis and Diagnostic
03-00-91-001	Vibration Analysis Worksheet
10-03-10-001	Revised Wheel Balancer Mounting Instructions (HD Models Only)
00-03-10-006	Information on Tire Radial Force Variation (RFV)
09-03-10-016	Wheel Balancing Machine Finish Damage to Chrome Clad or ChromeTech® Wheels

03-03-10-007	Information on Tire/Wheel Characteristics (Vibration, Balance, Shake, Flat Spotting) of GM Original Equipment Tires
12-03-10-001	Vibration Shortly After Tires are Mounted/Preventing Vibration from Wheel Slip (Tire Sliding on Wheel)

As a reminder, the "Vibration Diagnosis and Correction" section of SI can be found under General Information. Otherwise, GM TAC highly recommends that all Service Advisors are familiar with and retain a copy of the "Customer Concern Verification Sheets" (found in the latest version of TSB 01-00-89-010) – allowing them to properly capture specific details about the area of the vehicle and under what driving conditions a Customer is experiencing a vibration.

ADDITIONAL SI KEYWORDS:

shake shimmy vibrate

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.

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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