



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Vibration In Fourth Gear Only

**Models:** 2011-2013 Chevrolet Cruze

2012-2013 Chevrolet Sonic

Equipped with 6 speed manual transmission RPO MF3 MR5 MZ0 MZ4.

*This PI was superseded to update administrative details. Please discard PIP5050.*

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

### Condition/Concern

Some customers may comment on a vibration that is only present in fourth gear when lugging the engine, example going uphill or causing engine RPM to be pulled down from being in too high of gear. The vibration will not be present at the same speed in third or fifth gears.

### Recommendation/Instructions

Verify that the vibration is present only in fourth gear. Note the engine revolutions per minute and road speed that the vibration is present then shift to third and maintain road speed. If no vibration is present then reduce speed until the same revolutions per minute is obtained in third gear and verify no vibration. Do the same thing in fifth gear obeying local speed limits. If the vibration is fourth gear only verify correct shift system adjustment and if no change, contact TAC at the number you have been provided.

### Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
K1030	Manual Transmission Shift Lever and Selector Lever Cable Replacement	Use Published Labor Operation Time
K2242	Shift Control Housing Replacement	Use Published Labor Operation Time

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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