



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** NQG 4WD Models With Noise Vibration On Dry Pavement

**Models:** 2007-2010 Chevrolet Silverado

2007-2010 GMC Sierra

For 2011-2013 Chevrolet Silverado, GMC Sierra see PI0921

Equipped with manual shift transfer case NQG

*This PI was superseded to remove warranty information and labor operation. Please discard PIP4885G.*

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

### Condition/Concern

Groan, growl, or moan coming from the vehicle when operating the vehicle in four wheel drive.

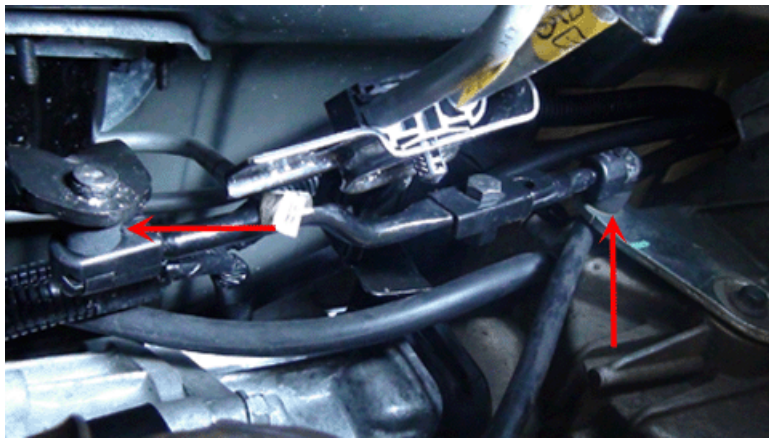
### Recommendation/Instructions

**Notice:** Driving on clean, dry pavement in Four-Wheel Drive High or Four-Wheel Drive Low for an extended period of time may cause premature wear on your vehicle's power train. Do not drive on clean, dry pavement in Four-Wheel Drive High or Four-Wheel Drive Low for extended periods of time. While driving on clean dry pavement and during tight turns, you may experience vibration in the steering system. Section 9 of the vehicle owner's manual entitled Drive Systems has the exact statement printed above. For more information regarding driveline noises while in four wheel drive refer to the latest version of technical service bulletin 01-04-18-001G.

The typical noise and vibration that is heard or felt is due to a combination of the transfer case chain link frequency, engine firing frequency, tire circumference variation, and various other tolerances' in the 4 wheel drive system. The noise may seem to be increased, compared to vehicles with NQF/NQH/NP0 transfer cases due to the noise transfer path of the shift lever sticking up through the floor. The noise may also be more noticeable in vehicles equipped with vinyl flooring due to the vinyl flooring not having as much mass and noise dampening effect as carpet.

The first thing that should be done is to compare with a like vehicle. Ensure that interior content is the same i.e.: both vehicles have carpet or vinyl flooring, same model and both do or do not have plow provisions RPO VYU. Further diagnostics would include shifting the transfer case to 4WD high and then disconnecting the shift linkage from the shift lever, at one of the points shown below, and reevaluating the vehicle operation. If the noise is greatly reduced or eliminated then the shift lever is the transfer path for the noise and is an operating characteristic. No repairs are recommended for this condition.

**Note:** Warranty analysis on nearly every bearing that has been replaced due to customer noise complaints on NQG T-cases have been identified as no trouble found. If the noise heard while in 4wd inside the cab is eliminated by linkage removal then the shift lever is the transfer path for the noise and is an operating characteristic.



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.

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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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