



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Diagnostic Tip for Vibration, Shudder or Roughness While Driving at Low Steady Speeds in V4 Mode

**Models:** 2011 Cadillac Escalade Models

2011 Chevrolet Avalanche, Camaro, Silverado, Suburban, Tahoe

2011 GMC Sierra, Yukon Models

Equipped with Active Fuel Management V8 Engines (RPOs LC9, LMG, LZ1, L77, L94, L99) and 6L80 Automatic Transmission (RPO MYC)

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

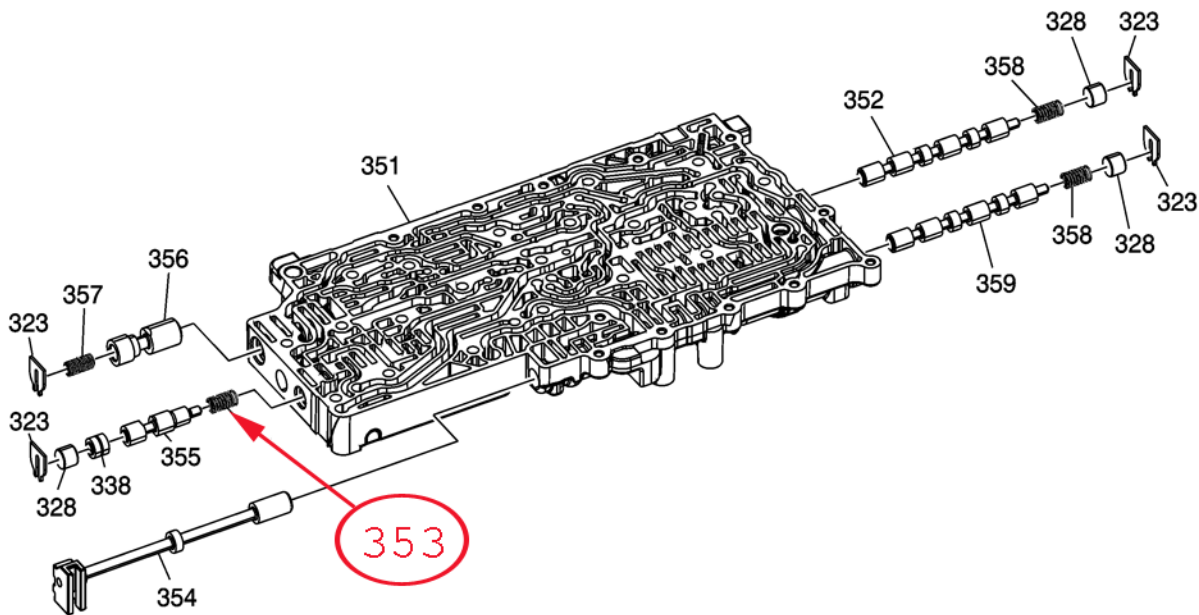
### Condition/Concern

Some customers may comment on a vibration, shudder or roughness while driving at low speeds with a steady throttle on a level road.

Customers may also comment that the condition is more noticeable when driving up an incline.

This concern will be most noticeable when the vehicle is operating in V4 mode, Active Fuel Management (AFM).

### Recommendation/Instructions



The root cause of this concern may be a broken torque converter clutch regulator valve spring (353) in the lower valve body, causing the torque converter clutch (TCC) slip speed to drop to zero.

Monitor the TCC slip speed during the concern while driving with a steady throttle input. If the TCC slip speed is a constant zero RPM during the concern, inspect the lower valve body for a broken torque converter clutch regulator valve spring (353).

**Note:** During the road test, the TCC slip may momentarily drop to zero and then climb to 30-50 RPM of slip. This is the normal operation of the TCC.

If the torque converter clutch regulator valve spring (353) is broken, replace the lower valve body.

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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