

Power Steering Shudder or Vibration at Idle (Replace Power Steering Inlet (Pressure) Hose)

TECHNICAL SERVICE BULLETIN

Reference Number(s): 06-02-32-012B, Date of Issue: April 12, 2007

Affected Model(s): 2005-2007 Chevrolet Corvette; with Automatic Transmission

Supercedes: This bulletin is being revised to add 2007 model year. Please discard Corporate Bulletin Number 06-02-32-012A (Section 02 - Steering).

Related Ref Number(s): 06-02-32-012, 06-02-32-012A, 06-02-32-012B

ARTICLE BEGINNING

CONDITION

Some customers may comment on a shudder/vibration while rotating the steering wheel at idle. This vibration can be very minor to where it is only felt in the steering wheel or major enough to notice a slight shake in the interior components. Rougher road surfaces can increase the intensity as it increases the drag against the wheels as they attempt to turn. Slightly raising the engine idle should eliminate the vibration.

CAUSE

At idle, turning the wheels causes the steering pressures to raise high enough to cause a load on the engine. The load is great enough to cause the idle to become rough and it can be felt in the vehicle.

CORRECTION

Replace the power steering inlet (pressure) hose with a revised hose. Refer to the pictures below for new hose routing.

VEHICLES WITH FE1 AND FE2 SUSPENSION

Fig. 1: Vehicles with FE1 and FE2 Suspension

Courtesy of GENERAL MOTORS CORP.

For vehicles with either FE1 or FE2 suspension, a retaining clip, P/N 88967174, is also required. After installing the new hose (1), attach the clip (2) to the hose just before the crimp. Secure the other end of the clip to the existing power steering return line.

VEHICLES FE3 AND FE4 SUSPENSION

Fig. 2: Vehicles FE3 and FE4 Suspension

Courtesy of GENERAL MOTORS CORP.

For vehicles with either FE3 or FE4 suspension, a screw, P/N 11609268, is also required. After installing the new hose (1), secure the clip (2) to the front crossmember with the screw.

Tighten: Tighten the screw to 27 N.m(20 lb ft).

PARTS INFORMATION

Parts Information

Part Number	Description
15903239 (FE1/FE2 Suspension)	Power Steering Inlet (Pressure) Hose
15903240 (FE3/FE4 Suspension)	Power Steering Inlet (Pressure) Hose
88967174 (FE1/FE2 Suspension)	Clip
11609268 (FE3/FE4 Suspension)	Screw

WARRANTY INFORMATION

For vehicles repaired under warranty, use:

Warranty Information

Labor Operation	Description	Labor Time
E8622	Hose, Power Steering Hydraulic Pressure - Replace	Use Published Labor Operation Time

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