

#06-02-32-012B: Power Steering Shudder or Vibration at Idle (Replace Power Steering Inlet (Pressure) Hose) - (Apr 12, 2007)

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

Models: 2005-2007 Chevrolet Corvette
with Automatic Transmission



This bulletin is being revised to add 2007 model year. Please discard Corporate Bulletin Number 06-03-32-012A (Section 02 -- Steering).

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.

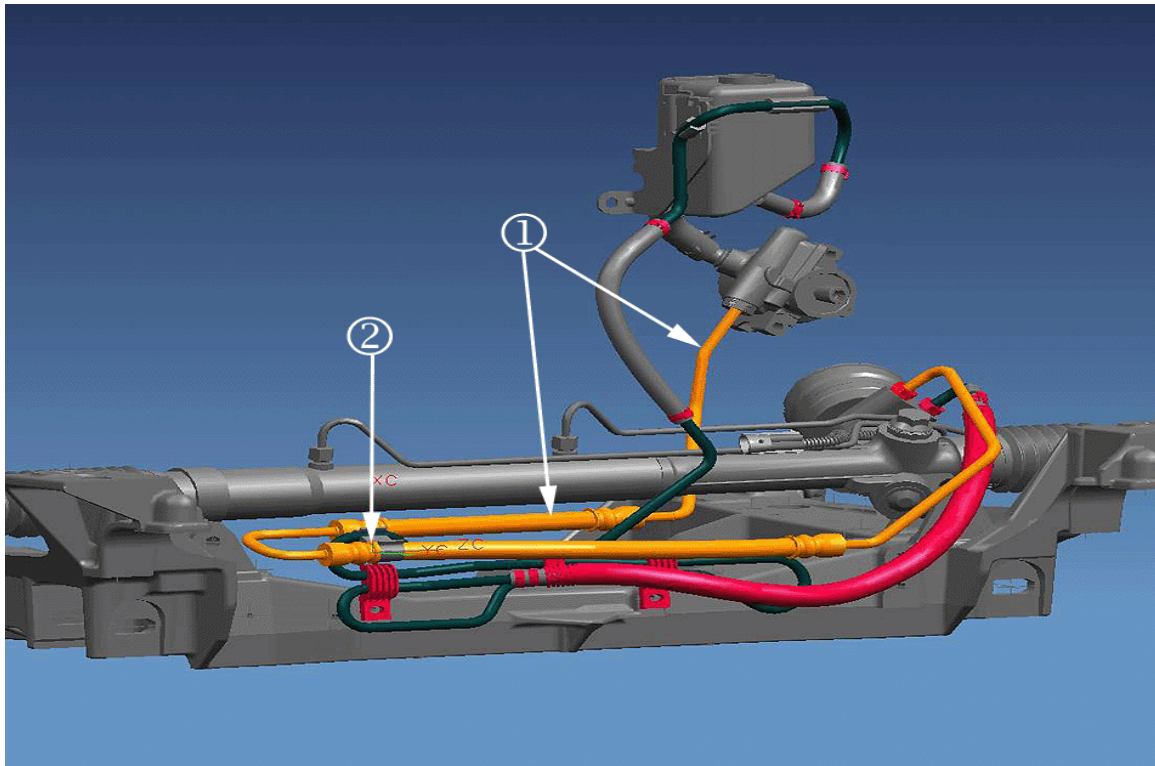
Cause

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

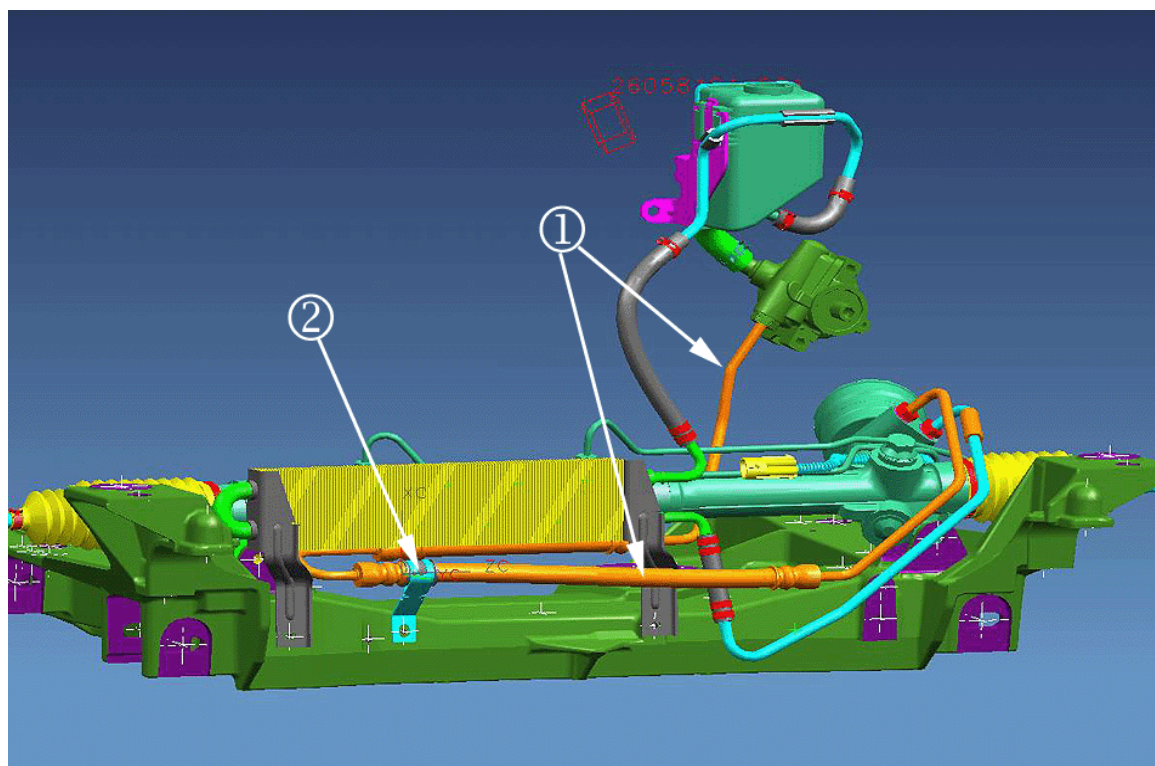
Replace the power steering inlet (pressure) hose with a revised hose. Refer to the pictures below for new hose routing.

Vehicles with FE1 and FE2 Suspension



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



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

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:

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

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