



# Technical Bulletin



**Manufacturer:** General Motors (TSB 08-02-32-004B)

**Service Plus Group:** 05 -02-1208

**Subject:** Power Steering Whine/Growl Noise (Bleed Power Steering System)

**Model:** 2006-2009 Chevrolet Impala, Malibu  
2006-2009 Pontiac G6  
2007-2009 Saturn AURA

**Condition:**

Some customers may comment on a whine or growl noise coming from the power steering.

**Correction:**

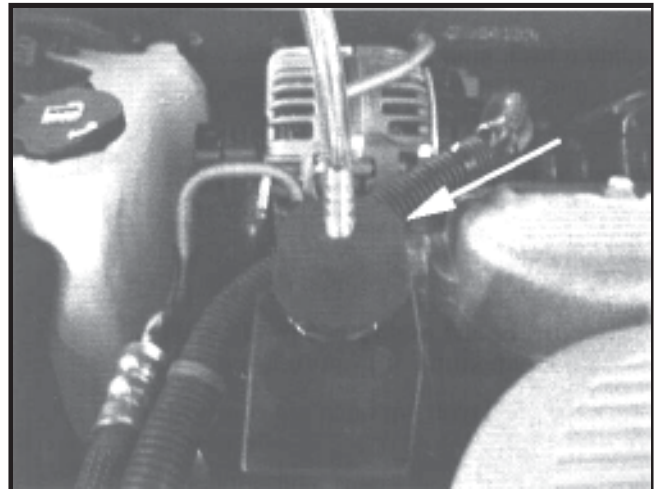
**DO NOT REPLACE THE POWER STEERING PUMP OR RACK/GEAR.**

Fill and bleed the power steering system using the following procedure:

Power Steering System Bleed Procedure Using J42485 (MityVac) or (equivalent).

**Important:** Maintain the fluid level throughout the bleed procedure.

1. Fill the fluid reservoir to the FULL COLD level. Leave the cap off.
2. Raise the front wheel off the ground.
3. Attach the J 43485 (Adapter) to the J 23738 (Mityvac), or equivalent. Place the J43485 on/in the pump reservoir filler neck (See Figure 1). Apply a vacuum of 20 in Hg MAXIMUM.



**IMPORTANT** An assistant is needed for the next step.

4. Apply vacuum while turning the steering wheel lock to lock. Maintain 20 in Hg while turning. Using a clear line will allow you to see bubbles evacuating system. Stop when no more bubbles are seen.
5. Wait five minutes. Typically vacuum drop is 2-3 in Hg. Verify the fluid level. If the fluid level is low, fill to the full line.

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Complete Car Care:

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6. Reinstall the cap. Start and idle the engine.
7. Turn the engine off. Verify the fluid level. If the fluid level drops, add fluid. Repeat Steps 4 and 5 until the fluid level stabilizes.
8. Start and idle the engine. Turn the steering wheel 180° in both directions five times. DO NOT TURN TO LOCK.
9. Switch the ignition off. Verify the fluid level.
10. Install the cap. The bleed procedure is complete.