



Connection offline

Technical Service Bulletin

Transaction No.: **2022583/1**

48 Power steering is noisy

Release date: Jan 19, 2010

Condition

Power steering is noisy.

Technical Background

- If the power steering fluid is below the minimum mark during cold conditions, air may be drawn into the power steering pump.
- If system components were replaced or disconnected, system filling or bleeding procedures may not have been carried out properly.

Production Solution

Not applicable.

Service

Do not replace any power steering system components until the following is checked:

1. Verify customer's concern.
2. Check the power steering fluid level. (See *Repair Manual* >> *Fluid level, checking*.)
3. Check system for leaks.
4. Check installation of the filter/screen in the reservoir.
5. Check for other possible sources of noise such as belt driven engine accessories, their belt tensioners and brackets.
6. Ensure that hoses are not rubbing against the body or other components.
7. Ensure that the suction line from the reservoir to the pump is not squeezed, pinched or twisted, causing reduced fluid flow.
8. Check the fluid level.
 - With engine cold (outside temperature approx. +20° C / 68° F), fluid level must be at MAX level.
 - With engine warm (engine oil temperature 80° C / 176° F), fluid level must be 10 mm above MAX level.

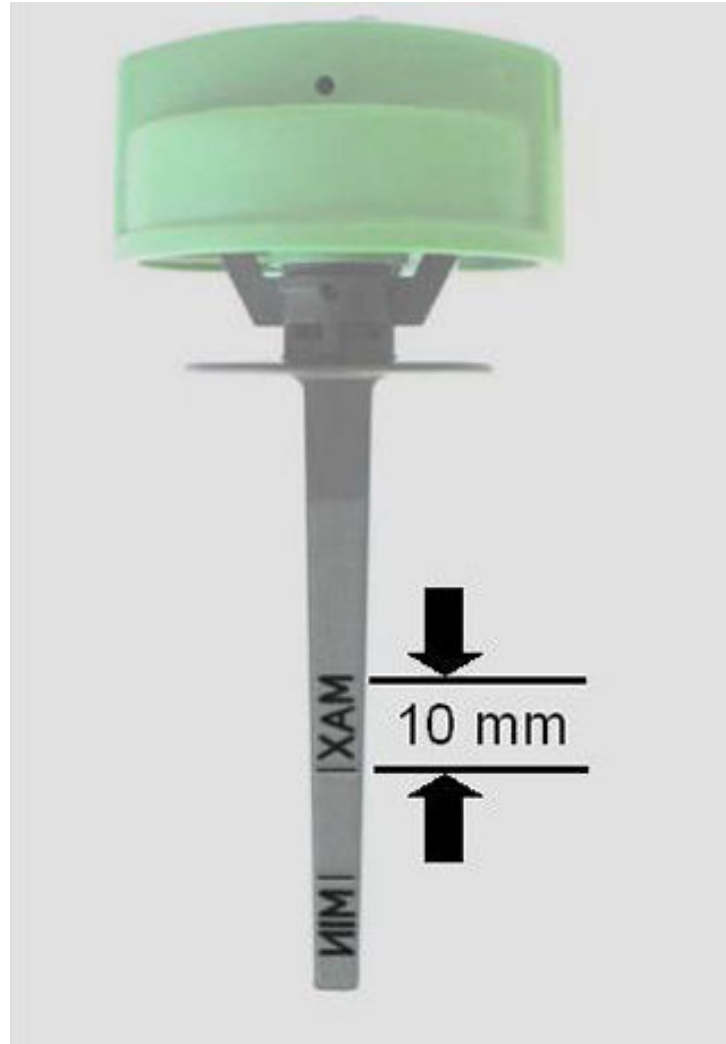


Figure 1. The fluid level must be 10 mm above MAX level when the engine is warm.

9. If the fluid level is below the MIN mark (engine hot or cold), there is a chance that air has entered the system. Follow these steps in order to eliminate any air trapped in the system:
 - a. Test drive vehicle to warm up the fluid.
 - b. Park vehicle. Switch ignition off and let vehicle sit for 1 minute.
 - c. After 1 minute, open fluid reservoir and inspect for air bubbles.
 - If air bubbles are not present, no air is in the system. Air is not causing the noise. Check other system components.
 - If air bubbles are present:
 - i. Allow vehicle to sit for at least 2 hours.

- ii. Check fluid level and add fluid as necessary.
- iii. Perform test drive to ensure noise has been eliminated.
- iv. It may be necessary to repeat this procedure more than once.

Warranty

This TSB is informational only and not applicable to any Audi warranty.

Additional Information

All parts and service references provided in this TSB are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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