

ZF 5-Speed Transmission Fluid Level Check

ZF transmissions are used in a number of manufacturer's cars and trucks. For a list of those in use today, see CAT Products Bulletin 0027.

Some of the later versions of the ZF transmission don't provide a dipstick for checking the fluid level. Here's how to check the fluid level on the 5-speed versions of these transmissions. Refer to the graphics on the next page for the location of the drain and fill level plugs.

To check the fluid level:

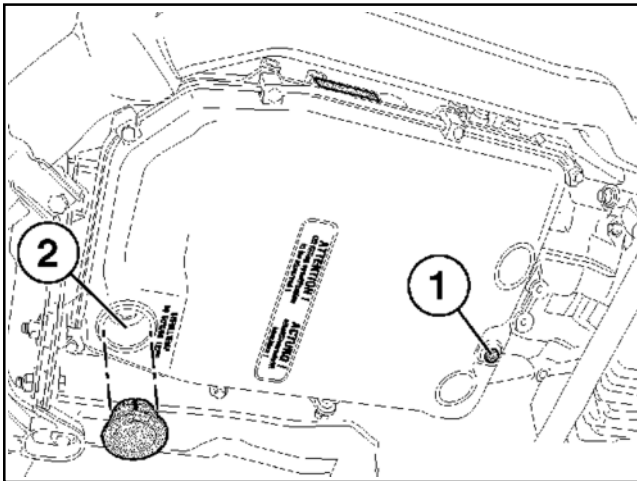
- Warm the transmission fluid to between 85°F and 120°F (30°C and 50°C).
- Set the vehicle on a lift so that it remains level during the fluid level check.
- Hold your foot on the brake, and slowly shift the transmission through the gear ranges, one at a time. This is to make sure the clutch packs and passages are full.
- Leave the engine running, transmission in park.
- Remove the fill level plug.
 - ATF should trickle out of the fill level hole. If so, reinstall the plug; the transmission is full.
 - If no ATF trickles out of the fill level hole, add the appropriate fluid until it just starts trickling out of the fill level hole. Then reinstall the plug; the transmission is full.

continued...

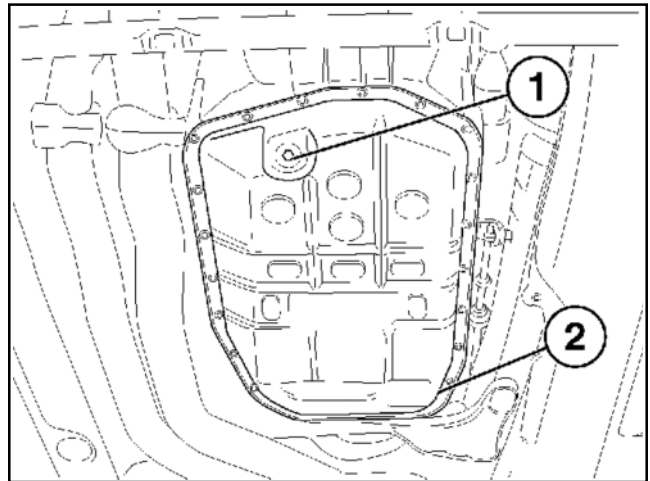
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Refer to the appropriate graphic for the transmission you're working on:

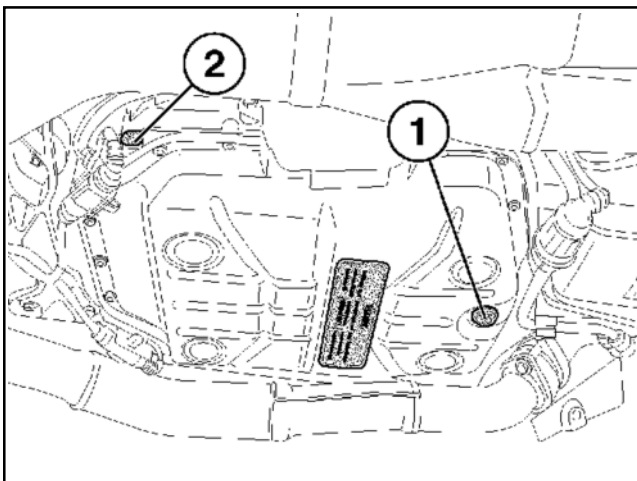
- 1 - Drainplug
- 2 - Fluid Fill Level



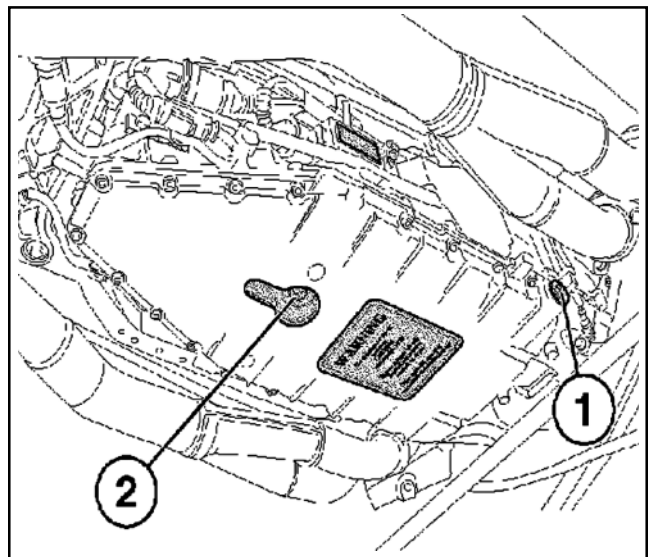
ZF5HP18



ZF5HP19



ZF5HP24



ZF5HP30