2010-2023 Lexus GX - Transfer Case Fluid Change

2010-2023 Lexus GX | Moderate | 2-3 hours | $12 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Transmission Funnel Torque Wrench 24mm Socket Fluid Pump Drain Pan

PARTS

Toyota Transfer Gear Oil LF 75W 08885-81080 $10.00

Transfer-case drain plug washers (2, 90430-18008) 90430-18008 $2.00

STEPS

1. **Confirm: TRANSFER CASE (not transmission!) - The 2010-2023 Lexus GX 460 TRANSFER CASE** fluid change - this is the TRANSFER CASE (the center gearbox behind the transmission that the driveshafts connect to), NOT the 6-speed automatic transmission. They use DIFFERENT fluids. The tran...
2. **Remove Fill Plug First, Then Drain - Locate the transfer case (behind the transmission,** between the front and rear driveshafts). Remove the FILL plug FIRST (24mm) - so you're not stranded with an empty case you can't fill. Then position the drain pan and remove the DRAIN pl...
3. **Reinstall Drain Plug (new washer) - Reinstall the drain plug with a NEW washer** (90430-18008) - use a new aluminum washer on each plug (2 total). Tighten snugly; don't over-tighten. (Community reports ~27 ft-lbs for Toyota transfer cases, but that's not FSM-confirmed - do...
4. **Pump In 75W Transfer Gear Oil - Capacity is 1.5 qt (1.4L) - but fill-to-overflow is the** method, not volume. Use ONLY the 75W transfer gear oil - NOT ATF WS. The transfer case's Torsen diff needs the gear oil's characteristics.
5. **Reinstall Fill Plug (new washer) - Let the excess drip until it slows. Reinstall the fill** plug with a NEW washer (90430-18008) and tighten snugly. The transfer case is now full - the fill hole is the level gauge (fill-to-overflow). Wipe up any spilled gear oil (it smells).
6. **Check Leaks and Test - Check for leaks at both plugs. The GX 460's full-time 4WD should** operate normally - no binding or noise. Lexus has NO factory transfer case interval (not in the maintenance schedule) - community consensus is ~60,000 miles, but that's a...

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