2014-2020 Nissan Rogue - Transmission Fluid Change

2014-2020 Nissan Rogue | Advanced | 2-3 hours | $103 DIY

TOOLS

Jack and jack stands Wheel chocks 19 mm socket or wrench for the CVT drain plug Hex / Allen key set Torque wrench Large graduated drain pan Fluid transfer pump Long-neck funnel Measuring container OBD2 scan tool with live CVT fluid temperature readout Gloves and safety glasses Shop towels

PARTS

Genuine CVT Fluid NS-3 (6 quarts) 999MP-NS300P $103.00

CVT drain plug gasket (2 needed - new gasket at each drain-plug reinstall)

STEPS

1. **Confirm fitment and warm up the fluid - Covers the second-gen Rogue (T32) with 2.5L** QR25DE and RE0F10D/JF017E CVT8 - not the 2014-2015 Rogue Select (S35) or Rogue Sport (J11). Use ONLY Nissan NS-3 fluid. Park perfectly level. Drive 10 minutes to warm the fluid, park, and chock.
2. **Lift level and identify the CVT drain plug - Raise on jack stands; remove the under-cover** if it blocks access. The CVT drain plug is larger than the engine-oil drain plug - double-check you're at the transmission pan before touching a plug, or you'll drain the engine oil.
3. **Drain the old CVT fluid - Place a large graduated drain pan under the CVT pan and remove** the drain plug. Drain fully and measure the amount; expect roughly 5 to 5.7 quarts. Note the fluid color: dark brown or burnt-smelling means the service is overdue.
4. **Reinstall the drain plug with a new gasket - Reinstall the drain plug with a NEW gasket.** No verified torque value for the T32 CVT drain plug - use the Nissan service manual spec if you have it, and don't overtighten the aluminum pan threads.
5. **Refill through the charge pipe - Release the charge pipe's locking cap and pump in new** NS-3 fluid with a transfer pump. Add the same volume that drained - about 5 to 5.7 quarts. Keep 6 to 7 quarts on hand so you don't run short.
6. **Circulate the new fluid - Start the engine, foot firmly on the brake, shift slowly** through every selector position (P, R, N, D, L), holding each about 5 seconds, then return to Park. This circulates the new fluid through the valve body and torque converter.
7. **Set the fluid level at 40 degrees C - Idling and level, use an OBD2 scan tool to confirm** the CVT fluid is at 40C (104F). Remove the drain plug and look for a slow dribble from the overflow tube - add fluid through the charge pipe if nothing comes out. When it slows to a...
8. **Reset the fluid deterioration counter if equipped - With Nissan CONSULT or a capable scan** tool, reset the CVT fluid deterioration counter (CONFORM CVTF DETERIORTN) so the module knows the fluid is new. A basic code reader can't do this - a dealer can if needed.
9. **Test drive and check for leaks - Lower it and test drive, watching for shudder,** hesitation, or warning lights. Recheck for leaks. If judder remains with codes P17F0, P17F1, or P0776, it's beyond a fluid change - see TSB NTB16-110 (valve-body/belt inspection, 2014-2016 R...

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