# 2017-2021 Acura MDX - Transmission Fluid Change



**2017-2021 Acura MDX | Moderate | 2-3 hours | $10 DIY**

**TOOLS**

10mm Socket Flathead Screwdriver Jack Stands Torque Wrench Fluid Pump Drain Pan Funnel Rubber Gloves Safety Glasses Creeper or Mat Scan Tool

**PARTS**

Acura ATF Type 3.1 Transmission Fluid 08200-9017A $10.00
Transmission drain plug

## STEPS

1. **Prepare (TYPE 3.1 ONLY, new plugs!) - NEVER use ATF DW-1 - that's for Honda 6-speeds; the** ZF 9HP needs Type 3.1. You'll need: ATF Type 3.1 (buy 4 quarts - you'll drain 3.5 qt), NEW drain/level/fill plugs, fluid pump, drain pan, scan tool. Park on level ground.
2. **Drain the ATF - Remove engine undercovers as needed. Locate the drain plug (bottom of the** transmission main casing). Position the drain pan. Remove the drain plug - let the ATF drain (expect 3.5 qt / 3.3L). The ZF 9HP's drain-and-fill replaces about hal...
3. **Install NEW Drain Plug (35 Nm) - Install a NEW drain plug - torque to 35 Nm (26 lb-ft).** Acura procedure uses NEW plugs (not just washers) - the plugs are single-use with a built-in seal. Don't reuse the old drain plug. The 35 Nm torque is per ZF/Acura documentatio...
4. **Fill with Type 3.1 (3.5 qt) - Remove the fill plug. Pump ATF Type 3.1 into the fill hole** using a fluid pump - add 3.5 qt (3.3L). Use ONLY Type 3.1 (08200-9017A) - never DW-1. Temporarily install the old level plug.
5. **Set Level at 104F (engine running, new plugs!) - Set the level per Acura TSB B16120B:** connect scan tool, monitor A/T temp. Enter VSA maintenance mode. On a lift: shift to Drive, then sequential - paddle 1-2-3-4 then back 3-2-1 (DO NOT go past 4th on the lift). Stop wheels, shift to Par...
6. **Reassemble and Test - Lower the vehicle. Check for leaks. Acura uses the Maintenance** Minder. This is the OPPOSITE of the RDX 6-speed (DW-1, dipstick, engine-off) - don't mix them. The 9-speed's complexity means a scan tool is mandatory - don't guess the tem...

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