

**TRANSMISSION FLUID DRAIN AND ...**

TRANSMISSION FLUID DRAIN AND FILL (MANUAL TRANSMISSION - M20/M32) 1 OF 2 Document ID# 2700854  
**Transmission Fluid Drain and Fill**

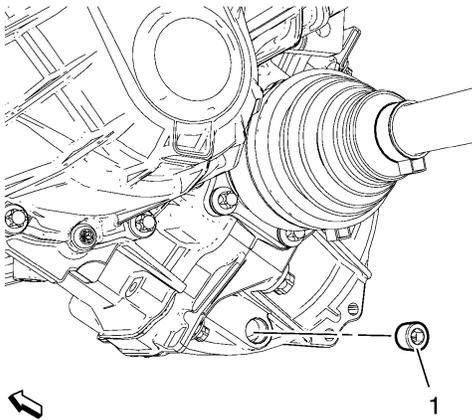
**Draining Procedure**

**Warning:**When the transmission is at operating temperatures, take necessary precautions when removing the check/fill plug, to avoid being burned by draining fluid.

**Note:**The fluid plug at the front of transmission must not be opened.

Previous to the removing of any plug, clean the surrounding area of this plug.

1. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
2. If equipped, remove the left front compartment splash shield. Refer to [Front Compartment Splash Shield Replacement](#).
3. If equipped, remove the engine shield. Refer to [Engine Shield Replacement](#).
4. If equipped, remove the front compartment insulator. Refer to [Front Compartment Insulator Replacement](#).



**Note:**Service may offer plugs that are not microencapsulated. If this is the case apply thread lock agent to the plug. If the plug is microencapsulated, install a NEW transmission fluid plug. DO NOT re-use the old plug.

5. Remove and DISCARD the fluid drain plug (1).
6. Drain the transmission fluid into a suitable and clean container.

**Note:**This transmission is NOT equipped with a fluid level checking device. The fluid level can only be checked by the draining and filling procedure.

7. Let the transmission fluid run out for **10 minutes** and compare the transmission fluid amount to the required fluid level. Refer to [Manual Transmission Specifications](#). If necessary, fill up the drained amount with the correct transmission fluid to the proper level.
8. Check the collected transmission oil for burnt oil exhalation, metal chips and other foreign bodies. If this the fact, search for the reason caused by the transmission.
9. Re-cut the transmission drain hole thread.

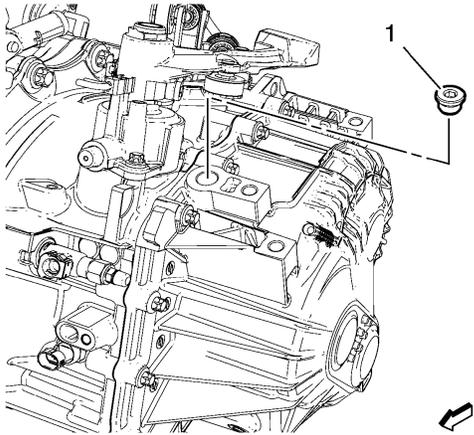
**Caution:**Refer to [Fastener Caution](#).

10. Install the NEW fluid drain plug (1) and tighten to **20 (15 lb ft)**.
11. If equipped, install the left front compartment splash shield. Refer to [Front Compartment Splash Shield Replacement](#).
12. If equipped, install the engine shield. Refer to [Engine Shield Replacement](#).
13. If equipped, install the front compartment insulator. Refer to [Front Compartment Insulator Replacement](#).

**Filling Procedure**

1. Lower the vehicle.
2. Without disconnecting the electrical connector, unclip the engine control module with the bracket from the battery tray and hang aside.

- For 1.4L gasoline engine, refer to [Engine Control Module Replacement](#).
- For 1.6L gasoline engine, refer to [Engine Control Module Replacement](#).
- For 1.7L diesel engine, refer to [Engine Control Module Replacement](#).



3. Remove the fluid fill plug (1).

**Note:** This transmission is NOT equipped with a fluid level checking device. The fluid level can only be checked by the draining and filling procedure.

4. Fill the transmission to the proper level, refer to [Manual Transmission Specifications](#), using the correct fluid.

5. Install the fluid fill plug (1) and tighten to **30 (22 lb ft)**.

6. Clip in the engine control module.

- For 1.4L gasoline engine, refer to [Engine Control Module Replacement](#).
- For 1.6L gasoline engine, refer to [Engine Control Module Replacement](#).
- For 1.7L diesel engine, refer to [Engine Control Module Replacement](#).

### **Fluid Level Check**

The **transmission fluid** level can NOT be checked using a fluid checking device. Check the **transmission fluid** level exclusively using the draining and filling procedure.

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