2020 Chevy Truck Silverado 1500 4WD V8-5.3L

TRANSMISSION FLUID FILL PROCEDURE

Document ID: 502814

Special Tools

- DT-45096 - Transmission Oil Cooling System Flush and Flow Test Tool
- DT-45096-30 - Transmission Cooler Flush Adapters
- DT-45096-40 - Transflow Oil Fill Adapter
- DT-51190 - Transmission Fluid Fill Adapter

Equivalent regional tools: Special Tools.

Caution: Use Dexron® HP transmission fluid only. Failure to use the proper fluid may result in transmission internal damage.

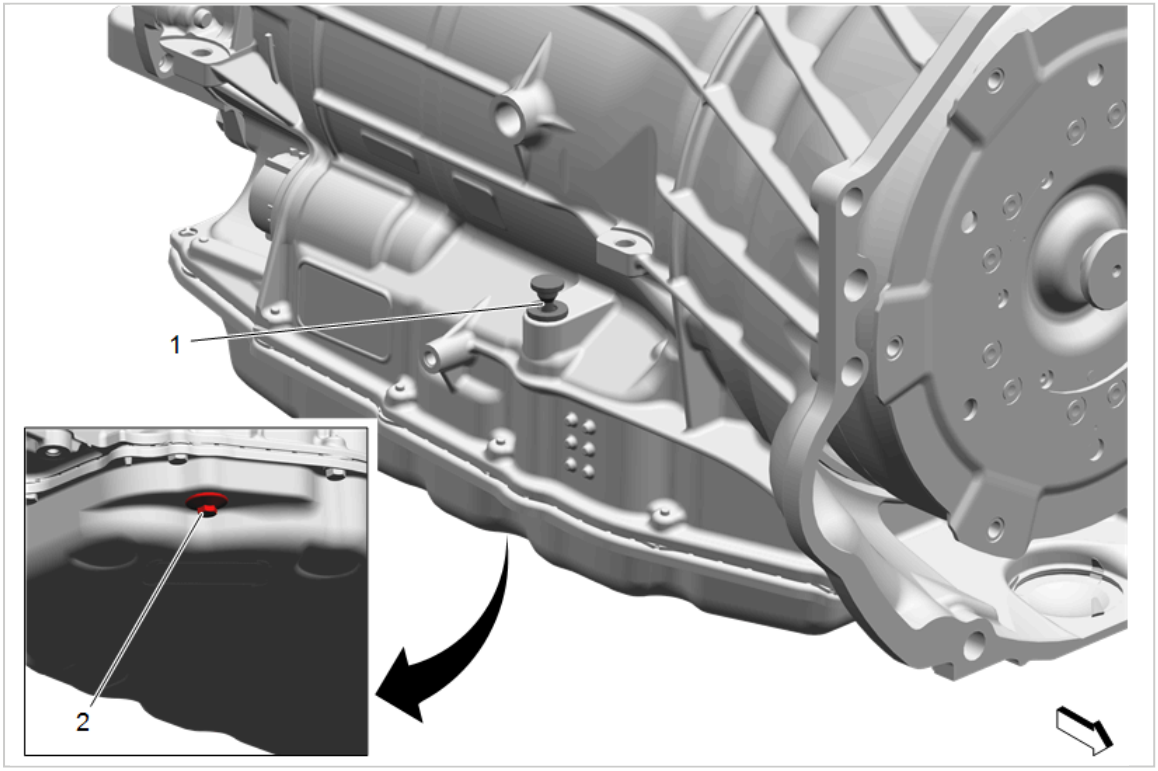
Caution: Check the transmission fluid level immediately after adding fluid and before vehicle operation. Do not overfill the transmission. An overfilled transmission may result in foaming or fluid to be expelled out the vent tube when the vehicle is operated. Overfilling will result in possible damage to the transmission.

Check the transmission fluid level. Transmission Fluid Level and Condition Check.

Transmission Fluid Filler Tube Plug Method

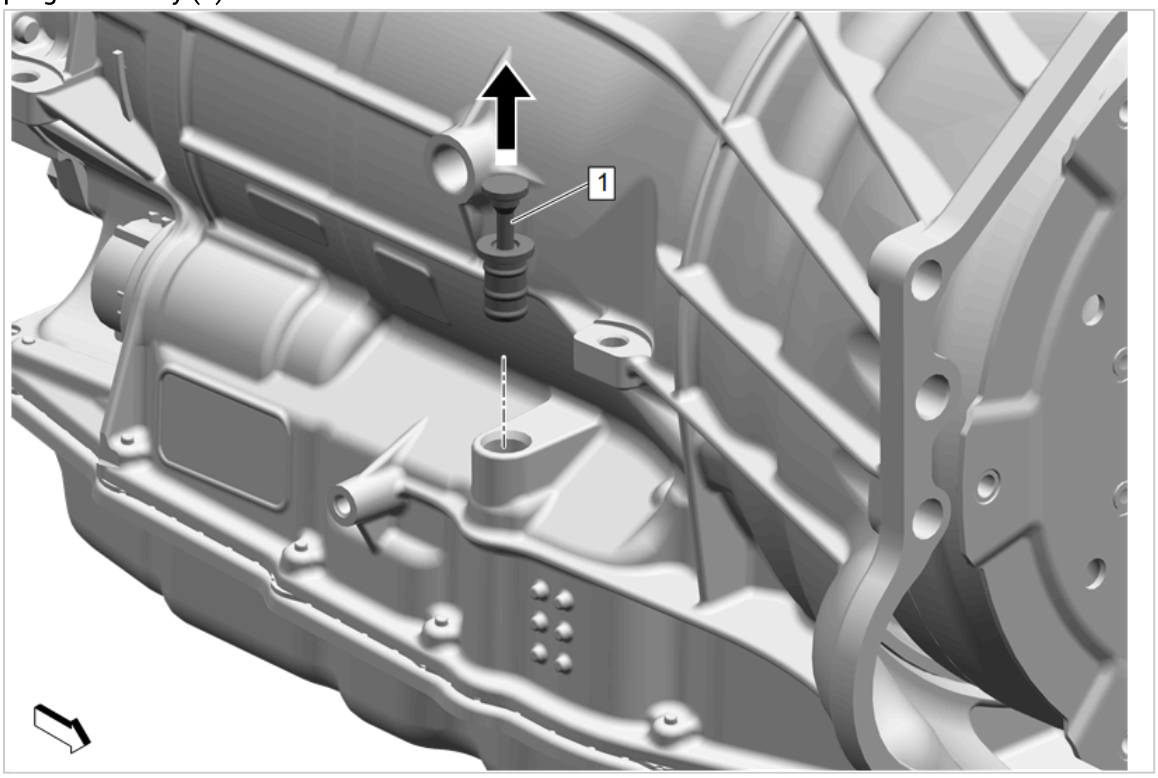
Caution: Use Dexron® HP transmission fluid only. Failure to use the proper fluid may result in transmission internal damage.

1. Based on accessibility, transmission fluid may be added through the transmission fluid filler tube plug (1) orifice or through the transmission oil level check plug (2) orifice in the bottom of the automatic transmission fluid pan.

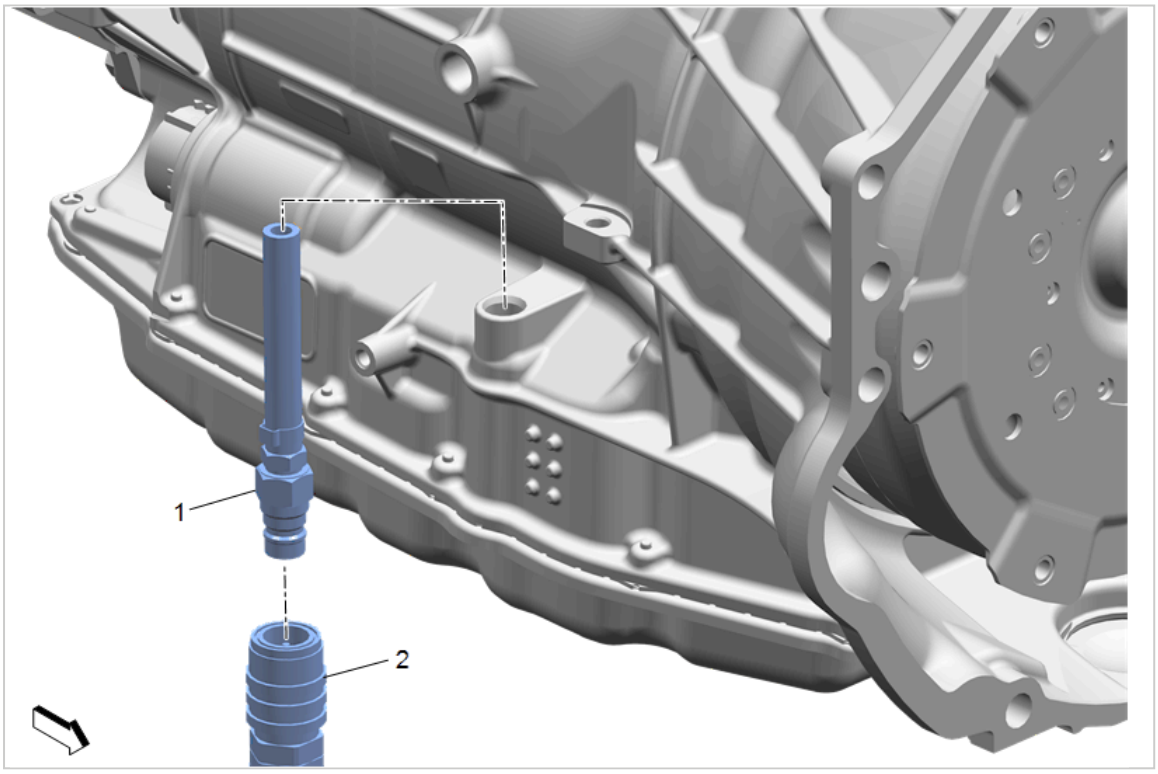


Caution: Before removing the transmission fluid fill tube plug assembly, thoroughly clean around the plug to prevent dirt or contaminants from entering the transmission during plug removal. Use compressed air to dislodge any caked dirt that may be stuck on and around the plug area. Use a mirror to confirm the area is free of dirt before removing the plug. Failure to clean around the plug may result in transmission contamination.

2. Clean around the transmission fluid filler tube plug (1).
   Note: It may be necessary to use a long pair of 90 degree needle nose pliers to lift the plunger and remove the plug assembly.
3. Unlock the transmission fluid filler tube plug by lifting the plunger. Once the plunger is lifted, remove the entire plug assembly (1).



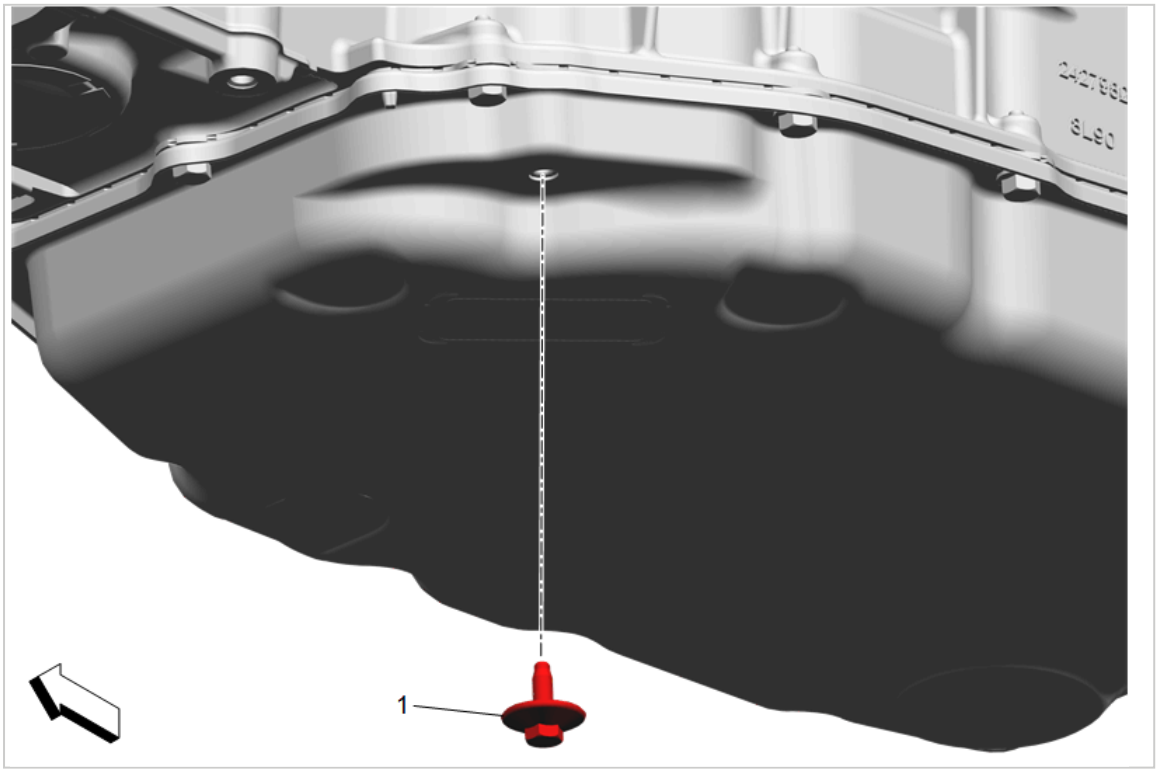
4. Determine the approximate amount of fluid needed to fill the transmission, based on the repair performed, refer to Approximate Fluid Capacities. To avoid an under-fill condition, slightly overfill the transmission, and then allow the extra fluid to drain out through the transmission oil level check plug orifice during the transmission fluid level and condition check procedure.
   Note: The DT-45096 - flush and flow test tool is being utilized as a convenient method to pump the fluid into the bottom pan. A suitable hand pump may also be used instead. When using the DT-45096 - flush and flow test tool , monitor the display panel to determine the amount of fluid being pumped from the tool supply tank into the transmission.
5. Using the DT-45096-40 - transflow oil fill adapter (1) and the DT-45096 - flush and flow test tool (2), or a suitable hand pump, add transmission fluid through the transmission fluid filler tube plug orifice. For complete DT-45096 - flush and flow test tool operating instructions, refer to Transmission Fluid Cooler Flow Test and Flushing. Use the FLOW position on the main function switch to pump the fluid.



Caution: Check the transmission fluid level immediately after adding fluid and before vehicle operation. Do no overfill the transmission. An overfilled transmission may result in foaming or fluid to be expelled out the vent tube when the vehicle is operated. Overfilling will result in possible damage to the transmission.

6. Check the transmission fluid level. Transmission Fluid Level and Condition Check.

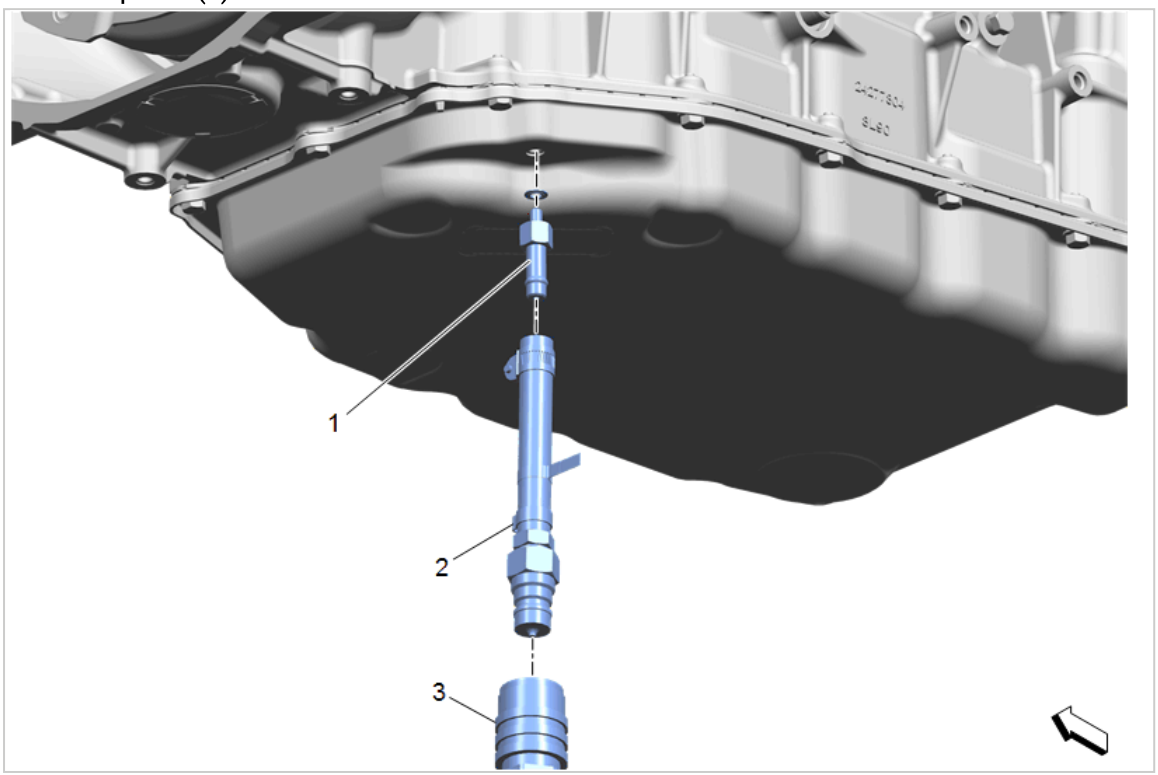
Transmission Oil Level Check Plug Method



Caution: Use Dexron® HP transmission fluid only. Failure to use the proper fluid may result in transmission internal damage.

Note: When the transmission oil level check plug is removed with the engine OFF, transmission fluid may drain from the orifice.

1. Transmission Oil Level Check Plug » Remove .
2. Install the DT-51190 - fluid fill pan adapter (1) and, if necessary, one adapter from the DT-45096-30 - cooler flush adapters (2).



3. Determine the approximate amount of fluid needed to fill the transmission, based on the repair performed, refer to Approximate Fluid Capacities. To avoid an under-fill condition, slightly overfill the transmission, and then allow the extra fluid to drain out through the transmission oil level check plug orifice during the transmission fluid level and condition check procedure.
Note: The DT-45096 - flush and flow test tool is being utilized as a convenient method to pump the fluid into the bottom pan. A suitable hand pump may also be used instead. When using the DT-45096 - flush and flow test tool , monitor the display panel to determine the amount of fluid being pumped from the tool supply tank into the transmission.
4. Using the DT-51190 - fluid fill pan adapter (1), DT-45096-30 - cooler flush adapters (2), and the DT-45096 - flush and flow test tool (3), add transmission fluid through the transmission oil level check plug orifice. For complete DT-45096 operating instructions, refer to Transmission Fluid Cooler Flow Test and Flushing. Use the FLOW position on the main function switch to pump the fluid.
Note: Failure to start the engine and move the shift lever through the gear ranges before removing the DT-51190 - fluid fill pan adapter and DT-45096-30 - cooler flush adapters from the bottom pan will result in an excess amount of fluid draining from the transmission oil level check plug orifice. This may lead to an under-fill condition.
5. Start the engine and move the shift lever through each gear range. Pause for at least 3 seconds in each gear range.
Caution: Check the transmission fluid level immediately after adding fluid and before vehicle operation. Do not overfill the transmission. An overfilled transmission may result in foaming or fluid to be expelled out the vent tube when the vehicle is operated. Overfilling will result in possible damage to the transmission.

6. With the engine still running, remove the DT-51190 - fluid fill pan adapter (1), (2), and DT-45096 - flush and flow test tool (3) and then check the fluid level. Transmission Fluid Level and Condition Check.