


SECTION 307-01: Automatic Transaxle/Transmission — 6R80  
GENERAL PROCEDURES

2012 F-150 Workshop Manual  
Procedure revision date: 03/27/2012

## Transmission Fluid Level Check

### Special Tool(s)

 ST2834-A	Vehicle Communication Module (VCM) and Integrated Diagnostic System (IDS) software with appropriate hardware, or equivalent scan tool
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### Material

Item	Specification
Motorcraft® MERCON® LV Automatic Transmission Fluid XT-10-QLVC (US); CXT-10-LV12 (Canada)	MERCON® LV

**NOTICE:** The vehicle should not be driven if the transmission fluid level is low as internal failure could result.

**NOTICE:** The transmission fluid fill plug is located near the exhaust system. The exhaust will be extremely hot during this procedure.

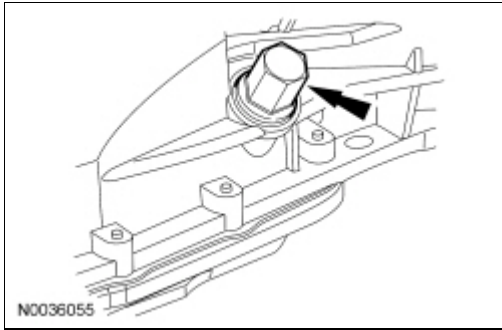
**NOTE:** If the vehicle has been operated for an extended period at high highway speeds, in city traffic, during hot weather or while pulling a trailer, the transmission fluid must cool down to obtain an accurate reading.

**NOTE:** If the transmission starts to slip, shifts slowly or shows signs of transmission fluid leaking, the transmission fluid level should be checked.

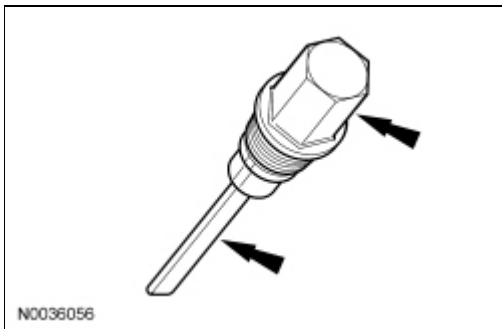
**NOTE:** Do not overfill the transmission. The transmission fluid level must be at the upper level of the crosshatch mark.

**NOTE:** If the installation of a new transmission fluid cooler or transmission fluid cooler tubes has been carried out, the vehicle must be driven to get the transmission fluid to a temperature of 89°C (193°F) in order to purge the air from the transmission fluid cooling system.

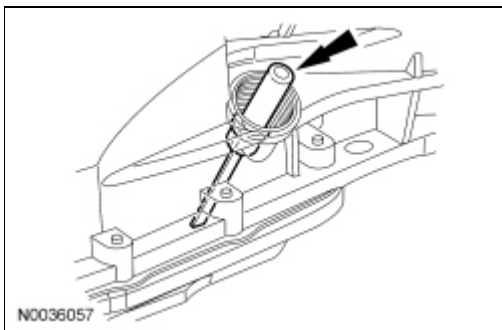
1. With the engine running, place the transmission selector lever in each gear position and hold approximately 5 seconds. Place the transmission selector lever in PARK.
2. With the engine idling (600-750 rpm) in PARK, position it on a hoist. For additional information, refer to [Section 100-02](#).
3. Remove the transmission fluid fill plug transmission fluid level indicator assembly, located on the passenger side front portion of the transmission case.



4. Separate the transmission fluid level indicator from the transmission fluid fill plug.

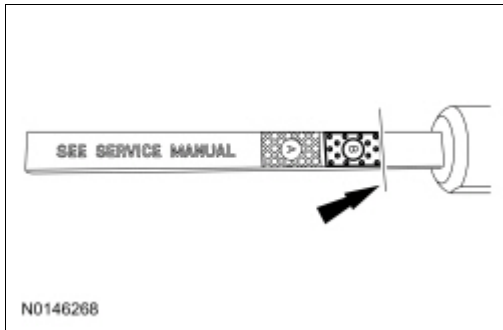


5. Wipe the transmission fluid level indicator clean. Reinstall the transmission fluid level indicator only back into the transmission fluid fill plug hole to check the transmission fluid level.



6. **NOTE:** The transmission fluid level indicator has 2 areas for the fluid level, a crosshatched (labeled A) area and a dotted (labeled B) area. Use the dotted (labeled B) area when checking the transmission fluid level. The correct transmission fluid level is at the upper level of the dotted marks on the transmission fluid level indicator.

Using the scan tool verify that the IFT is between 89°C-102°C (193°F-215°F). The transmission fluid level must be at the upper level of the dotted (B) mark.



7. **NOTE:** If the transmission fluid is not at the correct level, follow the steps for Adding Additional Transmission Fluid or Removing Transmission Fluid. For additional information, refer to [Transmission Fluid Drain and Refill](#) in this section.

Install the transmission fluid fill plug.

- Tighten to 35 Nm (26 lb-ft).

