

Transmission Fluid Drain and Refill

Special Tool(s)

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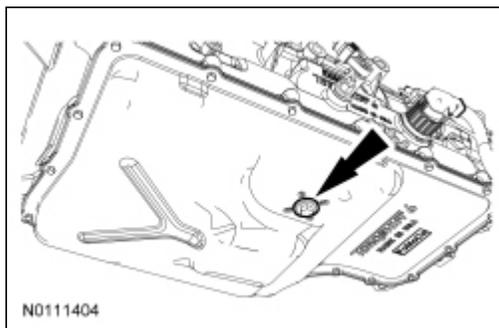
Material

Item	Specification
Motorcraft® MERCON® LV Automatic Transmission Fluid XT-10-QLVC (US); CXT-10-LV12 (Canada)	MERCON® LV; WSS-M2C938-A

Draining

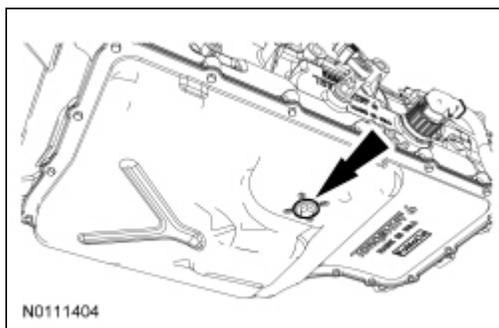
NOTICE: Use transmission fluid specific for this transmission. Do not use any supplemental transmission fluid additives or cleaning agents. The use of these products can cause internal transmission components to fail, which will affect the operation of the transmission.

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to [Section 100-02](#).
2. Remove the transmission fluid pan drain plug and allow the transmission fluid to drain.



Refill

1. Install the transmission fluid pan drain plug.
 - Tighten to 18 Nm (159 lb-in).



2. **NOTICE:** The use of any transmission fluid other than specified may result in the transmission failing to operate in a normal manner or transmission failure.

NOTICE: Do not drive the vehicle if transmission fluid level is low. Internal transmission failure could result.

Fill the transmission through the transmission fluid filler tube.

- If ONLY the transmission fluid drain plug or pan was removed, add 7.8 L (8.2 qt.) of transmission fluid.
- If the main control was removed, add 9.7 L (10.2 qt.) of transmission fluid.
- If the transmission was removed and disassembled, add 15.3 L (16.2 qt.) of transmission fluid.

3. Start the engine. Move the selector lever through all gear ranges while checking for engagements to allow the main control hydraulic circuits to fill with transmission fluid.
4. Using the scan tool with the engine running, check and make sure the transmission is at normal operating temperature 91-102°C (196-216°F). Check and adjust the transmission fluid level and check for any leaks. If transmission fluid is needed, add transmission fluid in increments of 0.24L (0.5 pt.) until the correct level is achieved.

Item	Description
1	DO NOT DRIVE IF BELOW THIS LEVEL AND AMBIENT TEMPERATURE IS ABOVE 10°C (50°F) (Underfill). Recheck transmission fluid level at normal operating temperature and adjust as required.
2	Normal operating range
3	DO NOT DRIVE LEVEL (Overfill). Remove excess transmission fluid. Recheck transmission fluid level at normal operating temperature and adjust as required.

