

IN-VEHICLE REPAIR: TRANSMISSI...**IN-VEHICLE REPAIR: TRANSMISSION FILTER - IN LINE (AUTOMATIC TRANSAXLE/TRANSMISSION - TORQSHIFT®)**

307-01 Automatic Transaxle/Transmission - TorqShift®

2010 F-250, 350, 450, 550 Super Duty

IN-VEHICLE REPAIR

Procedure revision date: 06/25/2009

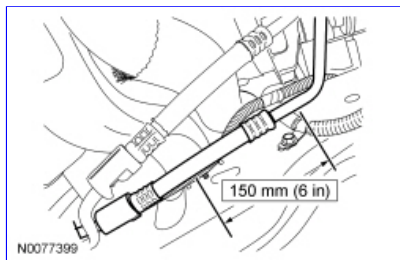
Transmission Filter - In Line**Material**

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

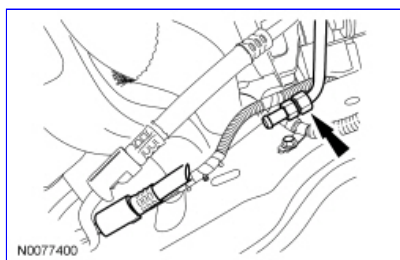
NOTICE: The use of any other in-line transmission fluid **filter** other than listed will cause damage to the transmission.

NOTE: Use the following guidelines for the in-line transmission fluid **filter**:

- If the transmission was overhauled and the vehicle was equipped with an in-line transmission fluid **filter**, install a new in-line transmission fluid **filter**.
 - If the transmission was overhauled and the vehicle was not equipped with an in-line transmission fluid **filter**, install a new in-line transmission fluid **filter** kit.
 - If the transmission is being installed for a non-internal repair, do not install an in-line transmission **filter** or **filter** kit.
 - If installing a new or a Ford-authorized remanufactured transmission, install an in-line transmission fluid **filter**.
1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to [Section 100-02](#).
 2. Cut a section of return tube, as illustrated.



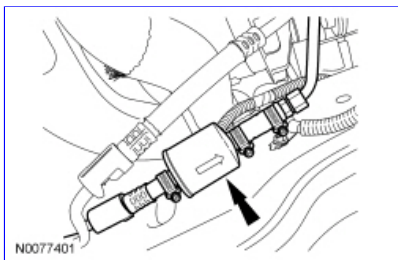
3. Install the tubing ferrule hose assembly connector into the end of the cut, cleaned and de-burred tubing end. Finger-tighten the ferrule nut. Once finger-tight, then tighten an additional one and one-half turns to seat the ferrule in the connector.



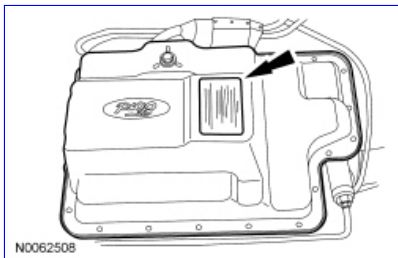
NOTICE: The in-line transmission fluid **filter** has a bypass valve in it. The arrow on the in-line transmission fluid **filter** indicates the direction of the transmission fluid flow through the in-line transmission fluid **filter**. The **filter** must be installed in the transmission fluid cooler return tube with the arrow pointing away from the transmission fluid cooler and toward the transmission (the return tube has transmission fluid coming out of the transmission fluid cooler going to the transmission). If the in-line transmission fluid **filter** is not installed correctly, it will cause internal transmission damage.

NOTICE: Do not install any rubber hoses or steel tubing with a bend entering the **filter** greater than 60 degrees.

4. Using a suitable length of hose, install the in-line transmission fluid **filter**. Tighten the clamps.



5. Clean a visible section of the transmission fluid pan and install the sticker.



6. Fill the transmission with transmission fluid to the specified level.

- Verify correct operation.
- Check the in-line transmission fluid [filter](#) for leaks.

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