

GENERAL PROCEDURES: TRANSMISS...**GENERAL PROCEDURES: TRANSMISSION FLUID IN-LINE FILTER (AUTOMATIC TRANSAXLE/TRANSMISSION - TORQSHIFT®)**

307-01 Automatic Transaxle/Transmission - TorqShift®

2005 F-Super Duty 250-550

GENERAL PROCEDURES

Procedure revision date: 06/27/2005

Transmission Fluid In-Line Filter**Material**

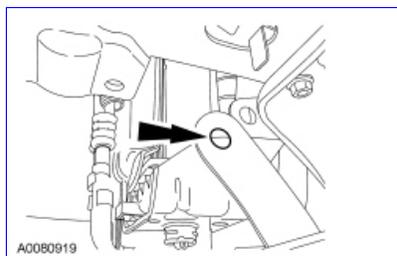
Item	Specification
MERCON® SP Automatic Transmission Fluid XT-6-QSP	MERCON®SP
In-line Transmission Fluid Filter Kit 2W4Z-7B155-AC	-
In-line Transmission Fluid Filter Kit 2W4Z-7B155-BB	-

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:

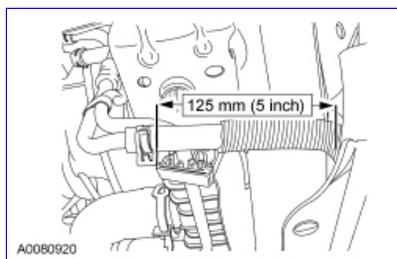
- If the transmission was overhauled and the vehicle was equipped with an in-line fluid filter, install a new in-line fluid filter.
- If the transmission was overhauled and the vehicle was not equipped with an in-line fluid filter, install a new in-line fluid filter kit.
- If the transmission is being installed for a non-internal repair, do not install an in-line filter or filter kit.
- If installing a new or a Ford-authorized remanufactured transmission, install the in-line transmission fluid filter that is supplied.

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to [Section 100-02](#).
2. Remove the lower right side splash shield pushpin and position the shield aside.



3. **NOTE:** Trim back the tubing shield for filter installation.

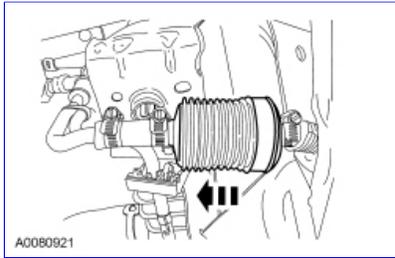
Remove the clamp and cut a section of return line, as illustrated.



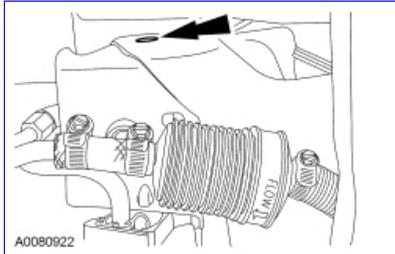
NOTICE: The filter has a bypass valve in it. The red arrow on the filter indicates the direction of the fluid flow through the filter. The filter must be installed in the fluid cooler return line with the red arrow pointing away from the transmission fluid cooler and toward the transmission (the return line has fluid coming out of the cooler going to the transmission). If the 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.

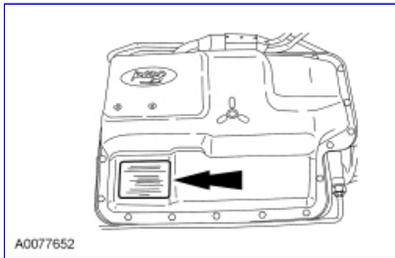
4. Using a suitable length of hose, install the filter. Tighten the clamps.



5. Position back the lower splash shield between the filter and lower radiator core support. Install the pushpin.



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



7. Fill the transmission with clean automatic transmission fluid to the specified level.

- Verify correct operation.
- Check the filter for leaks.

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