
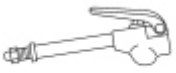
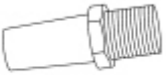



## Transmission Fluid Drain and Refill — Without Torque Converter Drain Plug

### Special Tool(s)

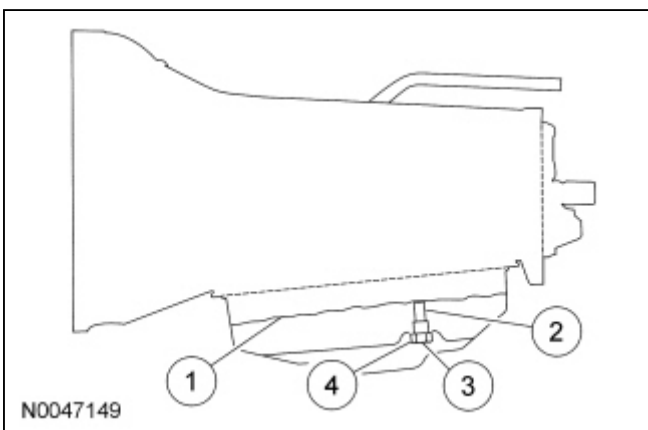
 ST2715-A	Fluid Transporter/Evacuator/Injector 307-D465
 ST2467-A	Rubber Tip Air Nozzle 100-D009 (D93L-7000-A)
 ST2581-A	Transmission Fluid Fill Tool 307-437
 ST1269-A	Vacuum Pump Kit 416-D002 (D95L-7559-A)

### Material

Item	Specification
MERCON® V Automatic Transmission Fluid XT-5-QM (or XT-5-QMC) (US); CXT-5-LM12 (Canada)	MERCON® V

### Fluid Fill Reference

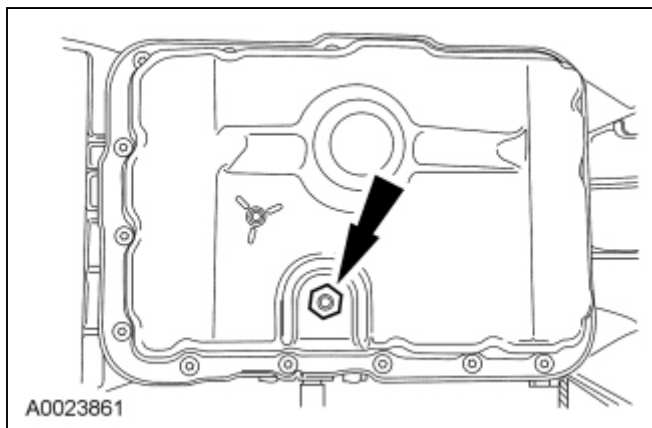
**NOTE:** Left side of case is shown.



Item	Part Number	Description
1	—	Fluid level
2	7A010	Fluid level tube
3	W704999-S309	Transmission fluid pan drain plug (short hex)
4	7A010	Transmission fluid pan drain plug

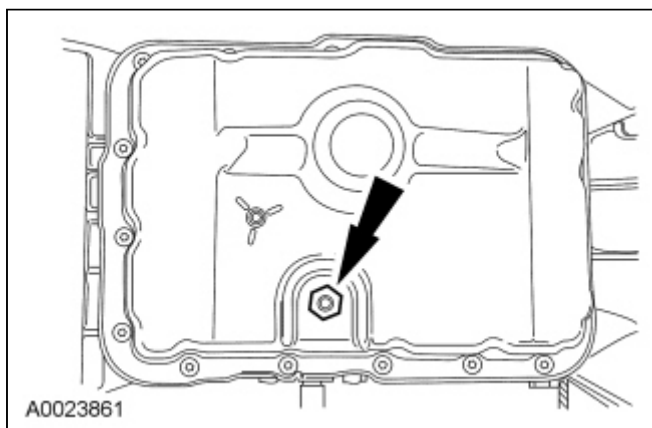
## Draining

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

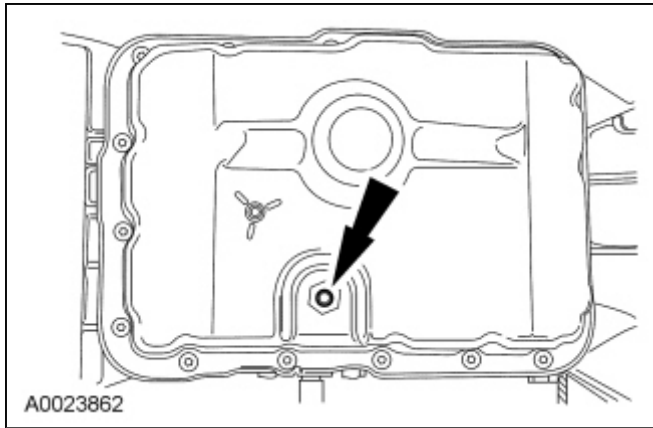


## Filling

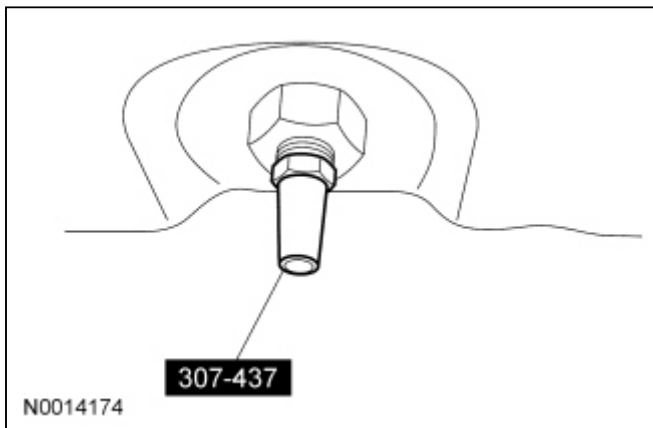
1. Install the transmission fluid pan drain plug.
  - Tighten to 26 Nm (19 lb-ft).



2. Hold the transmission fluid pan drain plug with a wrench and remove the transmission fluid pan drain plug (short hex).

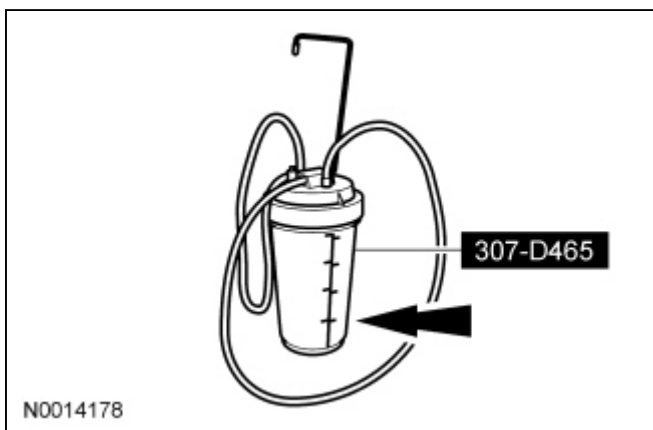


3. Install the Transmission Fluid Fill Tool into the pan.

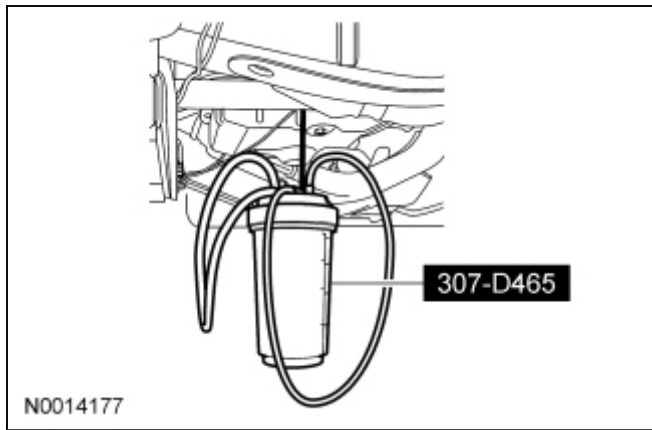


4. **NOTE:** Prior to filling the Fluid Transporter/Evacuator/ Injector with transmission fluid, make sure that the canister is clean.

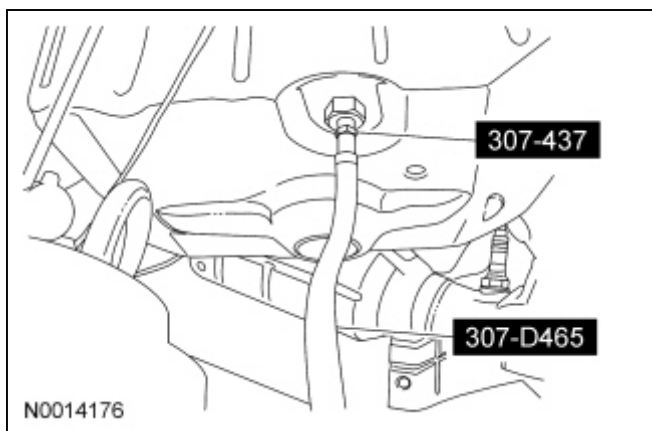
Fill the Fluid Transporter/Evacuator/Injector with automatic transmission fluid.



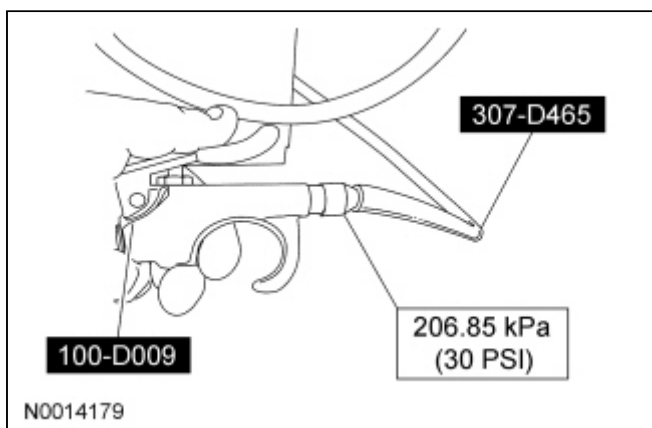
5. Hang the Fluid Transporter/Evacuator/Injector under the vehicle, upright and close to the transmission.



6. Connect the Transmission Fluid Fill Tool and the Fluid Transporter/Evacuator/Injector.
  - Connect the open end of the fluid hose from the Fluid Transporter/Evacuator/Injector to the Transmission Fluid Fill Tool at the bottom of the transmission fluid pan.



7. Apply a maximum of 206.85 kPa (30 psi) to the open end of the vacuum/pressure hose from the Rubber Tip Air Nozzle. Fluid will immediately start flowing out of the Fluid Transporter/Evacuator/Injector into the transmission fluid pan.

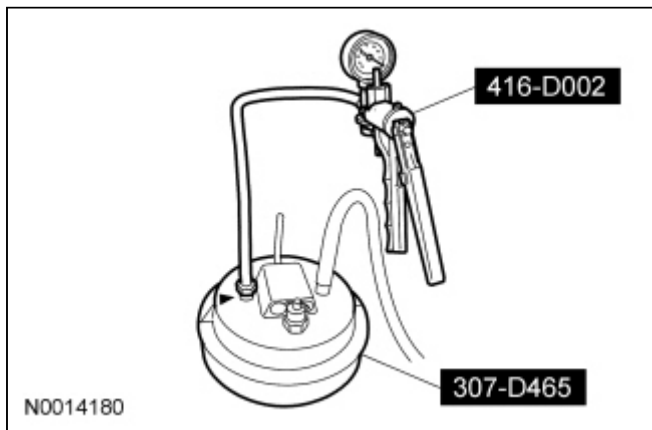


8. Add 2 or 3 quarts of transmission fluid into the transmission fluid pan. Stop the process by releasing the air pressure and removing the Rubber Tip Air Nozzle from the end of the hose.
9. **NOTE:** Engine idle speed is approximately 650 rpm.

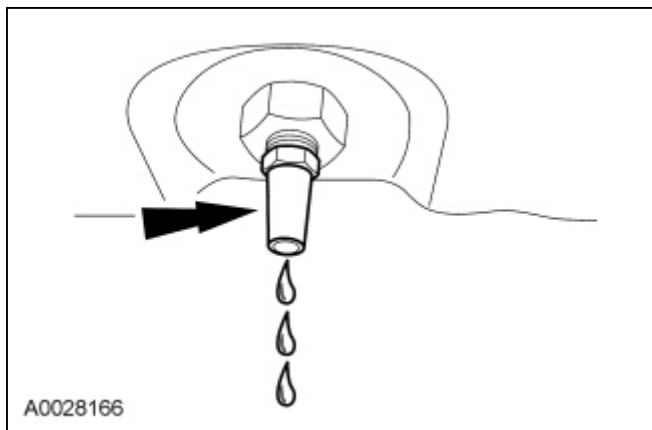
Start and run the engine until the Transmission Fluid Temperature (TFT) is between 27°-49°C (80°-120° F).

10. Inspect the transmission fluid level in the Fluid Transporter/Evacuator/Injector. If the transmission fluid drains back into the canister, the transmission is full. If no transmission fluid drains back, more transmission fluid will need to be added. Repeat Steps 8 and 9.

11. Once the transmission is full, place a hand vacuum pump from the Vacuum Pump Kit on the open end of the vacuum/pressure hose of the Fluid Transporter/Evacuator/Injector and apply vacuum to the system. This will pull out any extra transmission fluid trapped in the system and direct it into the container.



12. Allow the transmission fluid to drain. When the transmission fluid comes out as a thin stream or drip, the transmission fluid is at the correct level.



13. Reinstall the transmission fluid pan drain plug (short hex).
- Tighten to 10 Nm (89 lb-in).

