

FORD: 2002 EXPLORER

MERCURY: 2002 MOUNTAINEER

ISSUE

Improper checking of the transmission fluid level may result in the misdiagnosis of transmission concerns.

ACTION

To properly check the transmission fluid level, use the procedures as found in the current CD-ROM, Workshop Manual, STARS Broadcast, and as listed in this TSB.

SERVICE PROCEDURE

SPECIAL SERVICE TOOL(S)

205-025 - Gauge, Drive Pinion Angle (T68P-4602-A) (Figure 1).

418-F224 - Worldwide Diagnostic System (WDS) - New Generation Star (NGS) Tester **418-F205** or equivalent scan tool (Figure 2).

303-D104 - Oil Suction Gun (D94T-9000-A) (Figure 3).

307-437 - Adapter, Fluid Level and Fill Plug (Figure 4).

NOTE

LEFT SIDE OF CASE IS SHOWN.

FLUID LEVEL CHECK (Fluid Fill Reference Figure 5)

1. Using the scan tool (WDS), monitor the transmission fluid temperature (TFT) using PID: TFT.
2. Start the vehicle.

NOTE

ENGINE IDLE SPEED IS APPROXIMATELY 650 RPM.

3. Run the engine until the transmission fluid temperature is between 27°C-49°C (80°F-120°F).

4. Move the range selector lever slowly through each gear, stopping in each position and allowing the transmission to engage (Figure 6).
5. Place the range selector lever in the Park position.
6. Raise and support the vehicle with the engine running. For additional information, refer to Workshop Manual Section 100-02.
7. If needed, use special tool 205-025 to set the vehicle as close to level as possible (Figure 7).
8. Place a suitable drain pan under the vehicle.
9. With the transmission range selector lever in the Park position, hold the larger drain plug with a wrench and remove the small (center) fluid level indicating plug using a 3/16 inch Allen key (Figure 8).
10. Allow the fluid to drain. Wait approximately 1 minute. When the fluid comes out as a thin stream or a drip, the fluid is at the correct level (Figure 9).
11. If no fluid comes out of the hole, fluid will need to be added. Continue with this procedure.
12. Install special tool 307-437 into the pan (Figure 10).
13. Using special tool 303-D104, extract approximately 0.47 L (1 pint) of clean automatic transmission fluid from a suitable container (Figure 11).
14. Using the special tools, fill the transmission with clean automatic transmission fluid (Figure 12).
15. Remove special tool 303-D104.
16. Allow the fluid to drain. Wait approximately 1 minute. When the fluid comes out as a thin stream or drip, the fluid is at the correct level. If no fluid drains from the plug, keep adding fluid in 0.24 L (1/2 pint) increments until the fluid starts to drain from the plug (Figure 13).

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17. Remove the special tool from the pan (Figure 10).
18. Reinstall the small (center) fluid level indicating plug using a 3/16 inch Allen key. Torque to 10 N•m (89 lb-in) (Figure 14).
19. Remove special tool 205-025 level gauge (if used).
20. Lower the vehicle.
21. Remove the WDS.
22. Check the operation of the transmission by moving the range selector lever slowly through each gear, stopping in each position and allowing the transmission to engage.
23. Raise and support the vehicle with the engine running and check for any leaks. For additional information, refer to Workshop Manual Section 100-02.
24. Lower the vehicle and shut off the engine.

OTHER APPLICABLE ARTICLES: NONE
WARRANTY STATUS: INFORMATION ONLY
OASIS CODES: 504000, 510000

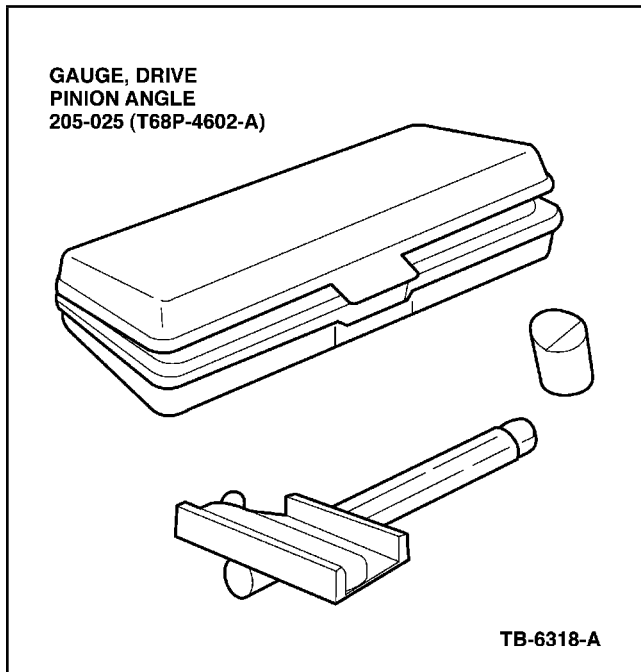


Figure 1 - Article 01-7-6

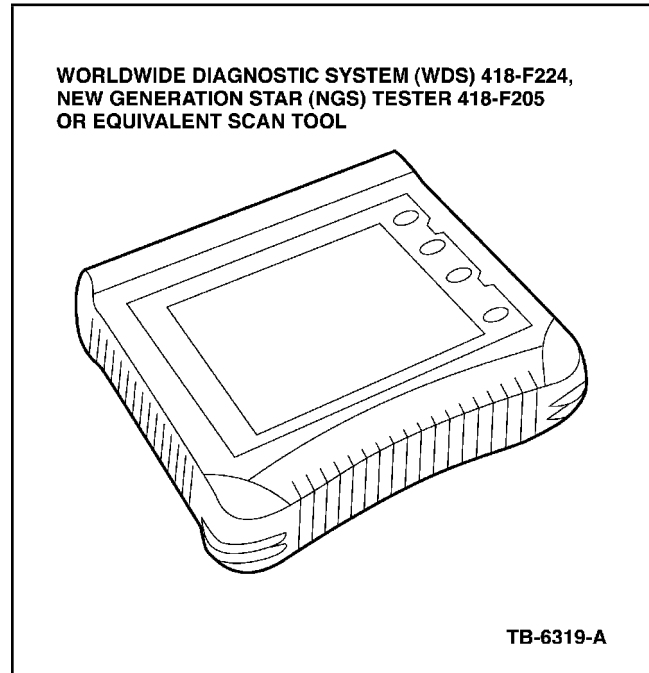


Figure 2 - Article 01-7-6

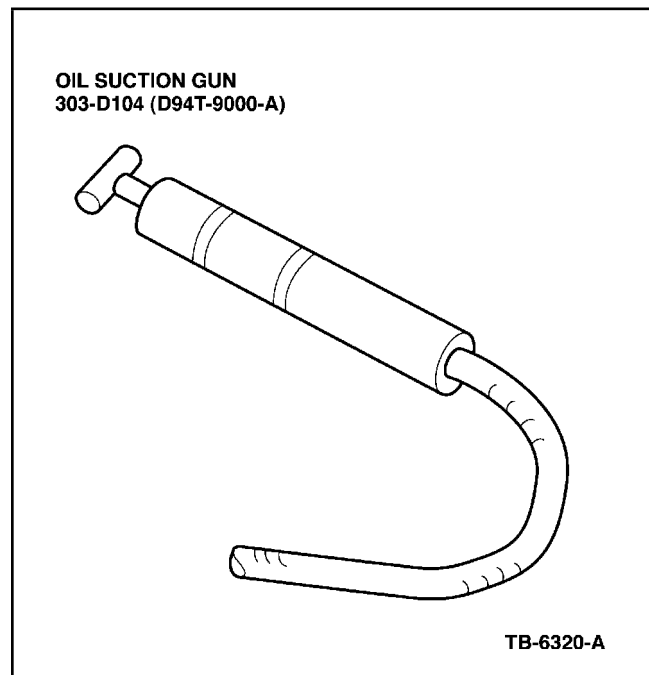
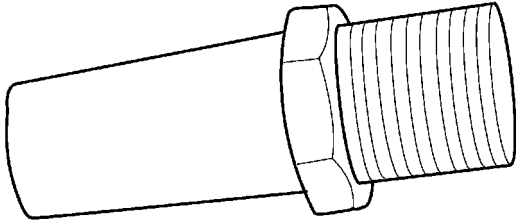


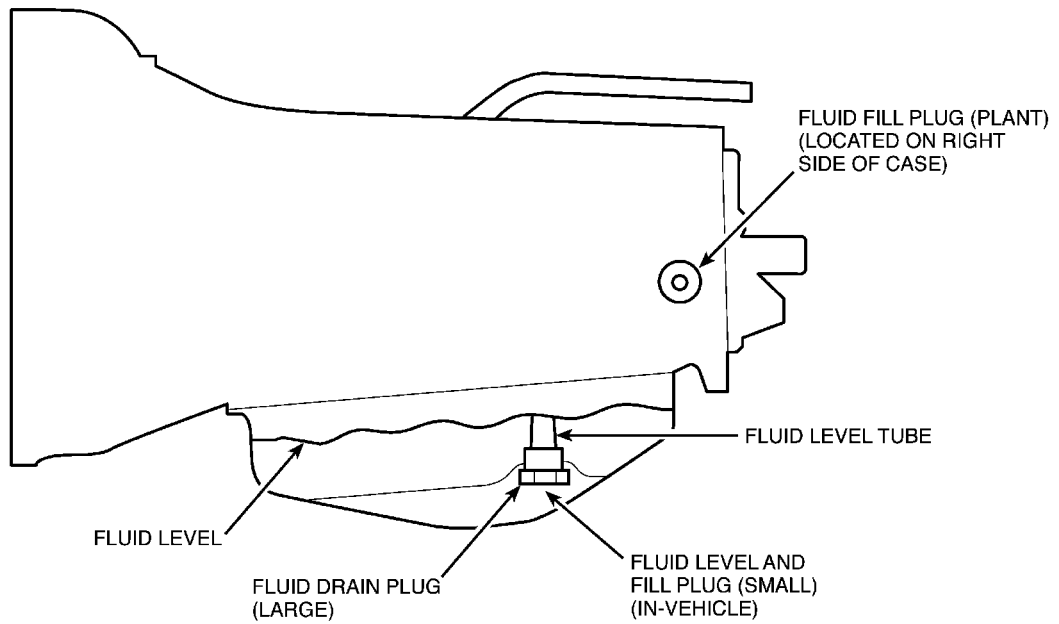
Figure 3 - Article 01-7-6

ADAPTER, FLUID LEVEL AND FILL PLUG
307-437



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Figure 4 - Article 01-7-6

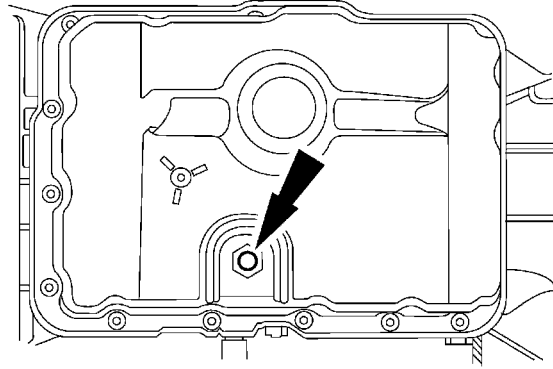


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Figure 5 - Article 01-7-6



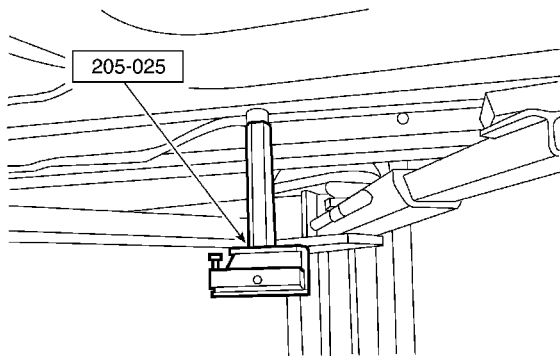
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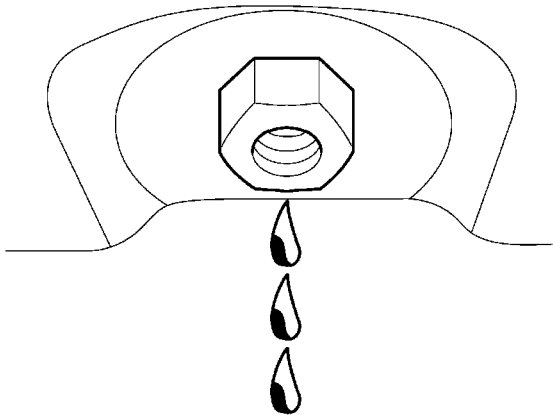
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Figure 6 - Article 01-7-6

Figure 8 - Article 01-7-6



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Figure 7 - Article 01-7-6

Figure 9 - Article 01-7-6

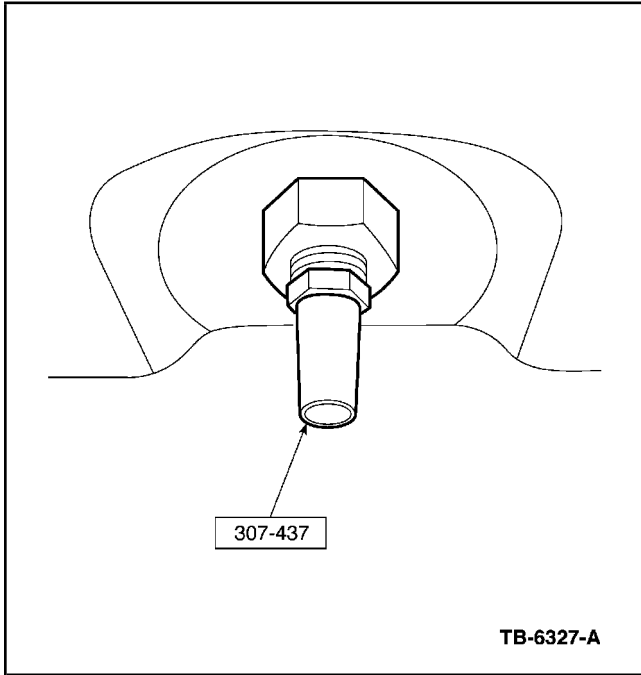


Figure 10 - Article 01-7-6

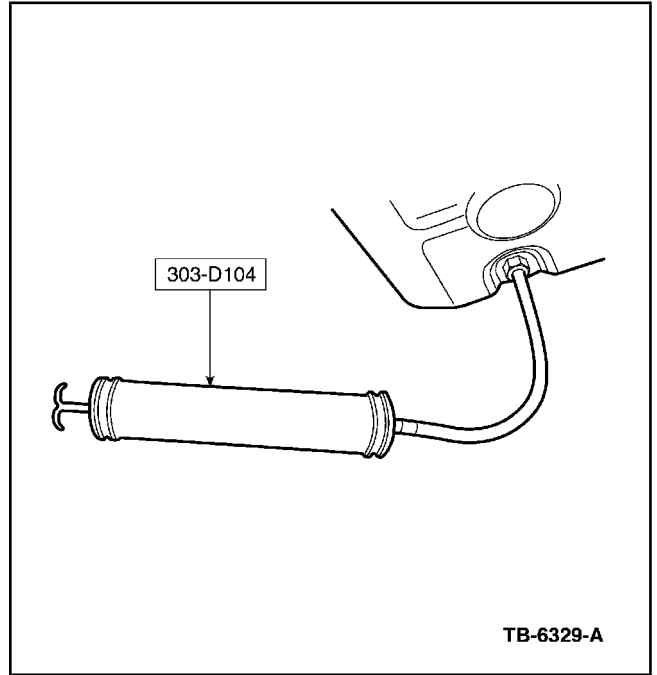


Figure 12 - Article 01-7-6

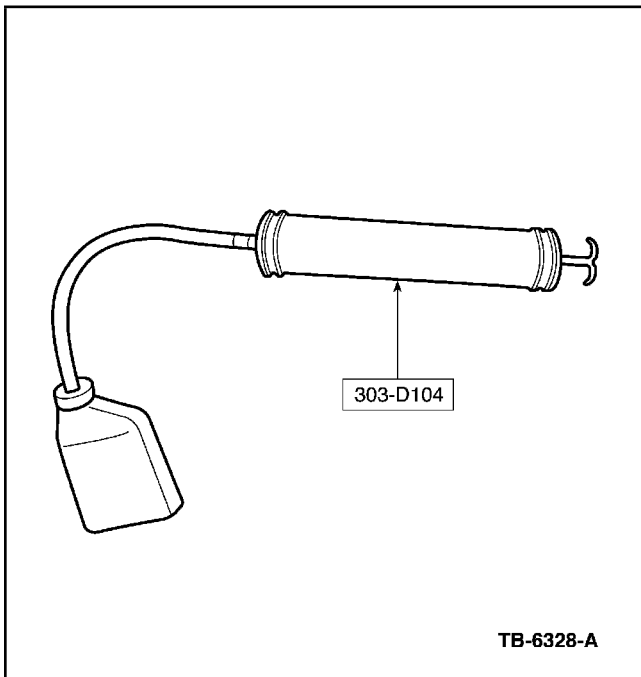


Figure 11 - Article 01-7-6

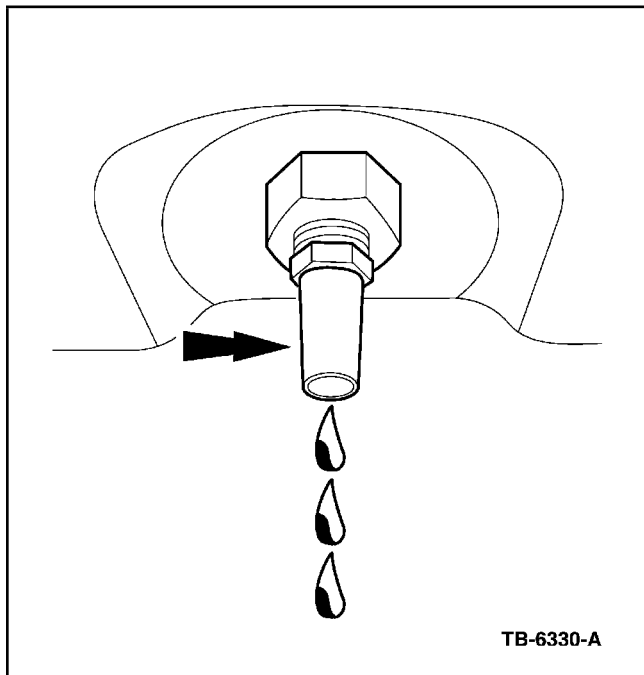


Figure 13 - Article 01-7-6

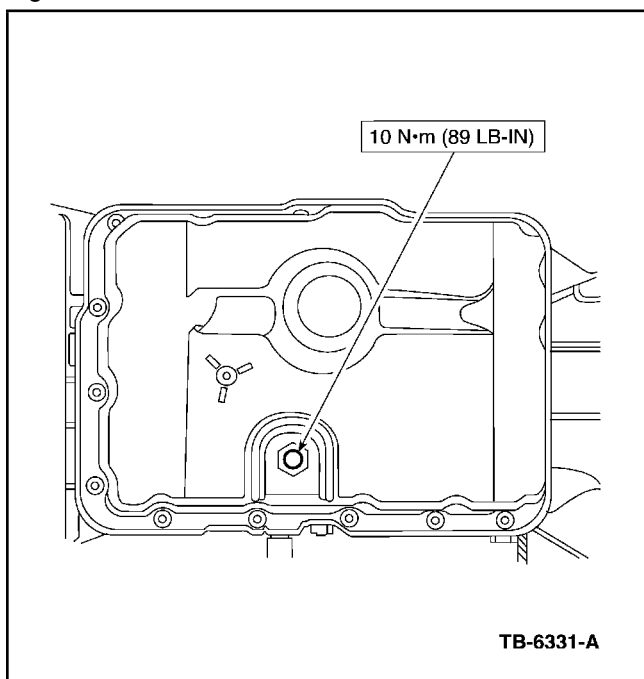


Figure 14 - Article 01-7-6