

FORD: 1987-1994 F-250, F-350

This TSB is being republished in its entirety to correct a misprint in this article.

ISSUE

Some trucks may experience a difficult or slow fuel fill rate. This may occur because of misassembled fuel fill pipes or the current fill pipe does not handle large nozzles and high flow rates available at larger fuel stations and truck stops.

ACTION

Replace fuel fill pipes. In diesel applications, the external vent hose replaces the internal vent hose and the fill hose is larger. In gasoline applications, pre-assembled hoses prevent misassembly and the hoses are larger. Refer to the following procedure for service details.

DIESEL APPLICATIONS

1. Disconnect the fill housing/retainer from the body of the vehicle.
 - a. Disconnect the fuel fill hose from the tank.
 - b. Lower the tank if there is not enough room between the tank and the vehicle body. Refer to the appropriate Service Manual, Section 10-01, for service details.
2. Remove the vapor valve and vapor valve grommet from the tank. Unclip and remove the small hose and cap from the frame.
3. Install a new grommet (E8UZ-9B076-A) and install a new fill vent valve in the tank.

NOTE

THE NEW FILL SYSTEM MAY HAVE TO BE SHORTENED TO FIT THE VEHICLE.

4. To shorten the hoses, proceed as follows:
 - a. Disconnect hoses from the steel pipe assembly and cut to the required length at the outboard end.

- b. Trim both the vent (small) and fill (large) hoses by the same amount. This should allow sufficient length for the vent hose to reach the new vent valve. The fill hose should be the same length as the old hose, but do not allow excessive length in either the fill or vent hoses that might form sink traps.

CAUTION

DO NOT CUT THE INBOARD END OF HOSE BECAUSE IT IS PREMOLDED TO FIT THE TANK.

5. Install the new housing, with the upper pipe assembly attached, to the body of the vehicle.
 - a. Connect the end of the fill hose to the tank and the end of the vent hose to the valve.
 - b. Tighten the fill hose clamp to $3.2 \text{ N}\cdot\text{m} \pm .5 \text{ N}\cdot\text{m}$ ($28.3 \pm 4.4 \text{ lb-in}$) and the vent hose clamp to $3.2 \text{ N}\cdot\text{m} \pm 5 \text{ N}\cdot\text{m}$ ($28.3 \pm 4.4 \text{ lb-in}$).

CAUTION

BE SURE PROTECTIVE SLEEVES ARE OVER THE FRAME RAIL.

- c. Install the outboard ends of the hoses to the upper pipe.
 - d. Tighten the fill hose clamp to $3.2 \text{ N}\cdot\text{m} \pm .5 \text{ N}\cdot\text{m}$ ($28.3 \pm 4.4 \text{ lb-in}$) and the vent hose clamp to $3.2 \text{ N}\cdot\text{m} \pm 5 \text{ N}\cdot\text{m}$ ($28.3 \pm 4.4 \text{ lb-in}$). Refer to Figures 1 and 2.
6. Attach the ground wire to the frame crossmember by sliding the clip over the edge of the crossmember with the wire lead pointing down.

GASOLINE APPLICATIONS

1. Disconnect the fill housing/retainer from the body of the vehicle.
 - a. Disconnect the fuel fill hose from the tank.
 - b. Lower the tank if there is not enough room between the tank and the vehicle body. Refer to the appropriate Service Manual, Section 10-01, for service details.

Article No. 94-14-11 Cont'd.

NOTE

NEW HOSES MAY HAVE TO BE SHORTENED TO FIT THE VEHICLE.

2. To shorten the hoses, proceed as follows:
 - a. Disconnect the outer hoses from the steel pipe assembly and slide it away to provide access to the inner (fill) hose clamp.
 - b. Disconnect the inner hose from the inner pipe and discard the pinch clamp.
 - c. Trim both the inner and the outer hoses by the same amount to achieve desired overall length. Do not allow excessive length that might cause sink traps to form.

CAUTION

DO NOT CUT THE INBOARD END OF HOSE BECAUSE IT IS PREMOLDED TO FIT THE TANK.

3. Reinstall the inner hose on the pipe using a new pinch clamp (N808877-S).
 - a. Slide and re-engage the outer hose to the pipe.
 - b. Tighten the clamp to $3.2 \text{ N}\cdot\text{m} \pm .5 \text{ N}\cdot\text{m}$ ($28.3 \pm 4.4 \text{ lb-in}$).
4. Install the new housing, with pipe and hoses attached, to the body of the vehicle.
 - a. Install the other end to the tank.
 - b. Tighten the clamp to $3.2 \text{ N}\cdot\text{m} \pm .5 \text{ N}\cdot\text{m}$ ($28.3 \pm 4.4 \text{ lb-in}$).

CAUTION

BE SURE THE PROTECTIVE SLEEVE IS POSITIONED OVER THE FRAME RAIL.

5. Attach the ground wire to the frame crossmember by sliding the clip over the edge of the crossmember with the wire lead pointing down.

PART NUMBER	PART NAME
F4TZ-9034-G	Diesel Midship Steel Tank Fuel Fill Assembly
F4TZ-9B593-G	Fill Vent Valve (For Diesel Midship Steel Tank Fuel Fill Assembly, Diesel Aft/Axle Plastic Tank Fuel Fill Assembly)
E8UZ-9B076-A F4TZ-9034-H	Grommet (All Diesel Applications) Diesel Aft/Axle Steel Tank Fuel Fill Assembly (F-250/350 - With Pickup Box Removed)
F4TZ-9B593-H	Fill Vent Valve (For Diesel Aft/Axle Steel Tank Fuel Fill Assembly)
F4TZ-9034-J	Diesel Aft/Axle Plastic Tank Fuel Fill Assembly
F4TZ-9034-K	Gasoline Midship Steel Tank Fuel Fill Assembly
N808877-S	Clamp (All Gasoline Applications, Pk/1)
F4TZ-9034-L	Gasoline Aft/Axle Steel Tank Fuel Fill Assembly (F-250/350 - With Pickup Box Removed)
F4TZ-9034-M	Gasoline Aft/Axle Plastic Tank Fuel Fill Assembly

OTHER APPLICABLE ARTICLES: 91-17-10

SUPERSEDES: 94-11-17

WARRANTY STATUS: Eligible Under The Provisions Of Bumper To Bumper Warranty Coverage For 1992-94 Models, Basic Warranty Coverage For All Other Models, Emissions Warranty Coverage For All Models

OPERATION	DESCRIPTION	TIME
941411A	Replace Fill Housing Assembly, Vapor Vent And Grommet - One Tank - Diesel Engine Applications	0.6 Hr.
941411B	Replace Fill Housing Assembly, Vapor Vent And Grommet - Both Tanks - Diesel Engine Applications	1.2 Hrs.
941411C	Replace Fill Housing Assembly - One Tank - Gas Engine Applications	0.6 Hr.
941411D	Replace Fill Housing Assembly - Both Tanks - Gas Engine Applications	1.2 Hrs.
941411E	Additional Time To Reposition One Tank If Required For Access	0.5 Hr.
941411F	Additional Time To Reposition Both Tanks If Required For Access	1.0 Hr.

DEALER CODING

BASIC PART NO.
9034

OASIS CODES: 404000

CONDITION
CODE
42

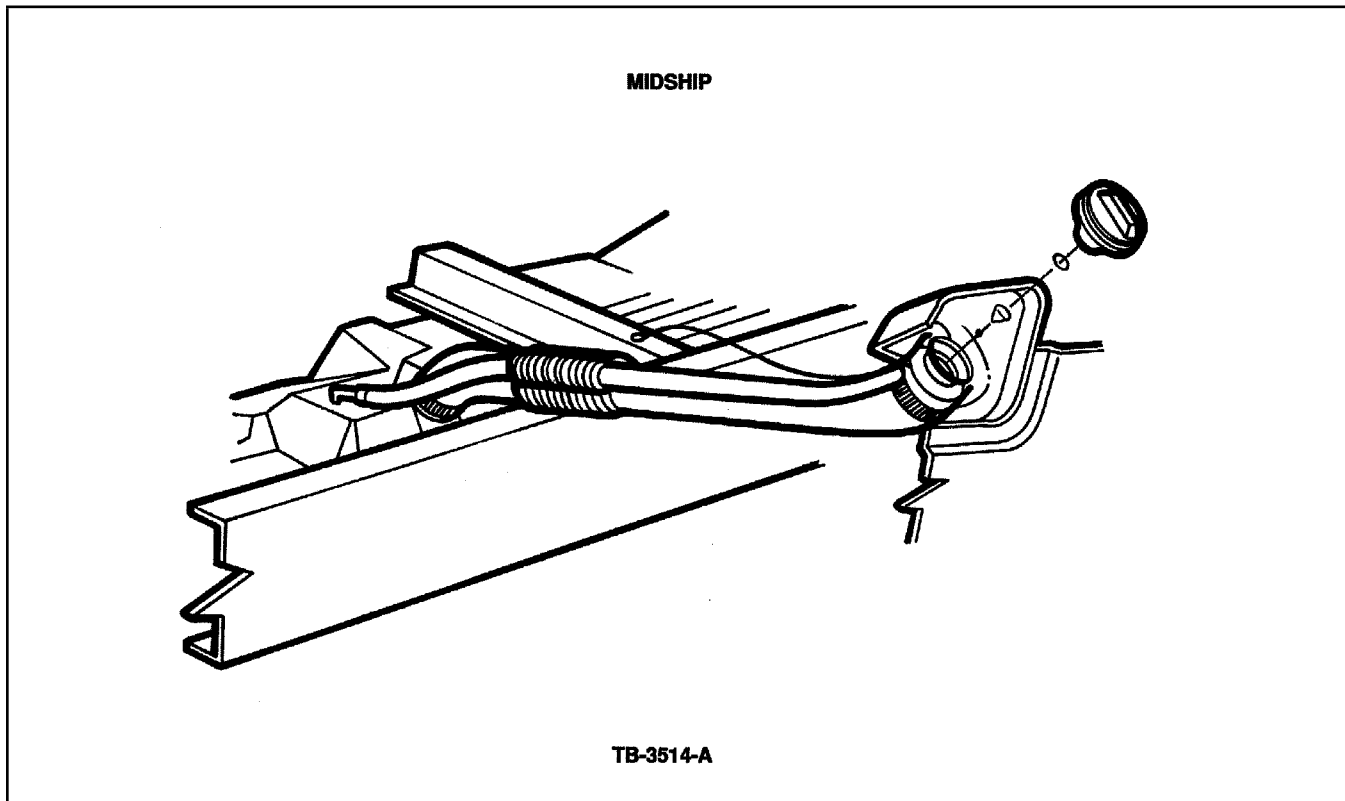


Figure 1 - Article 94-14-11

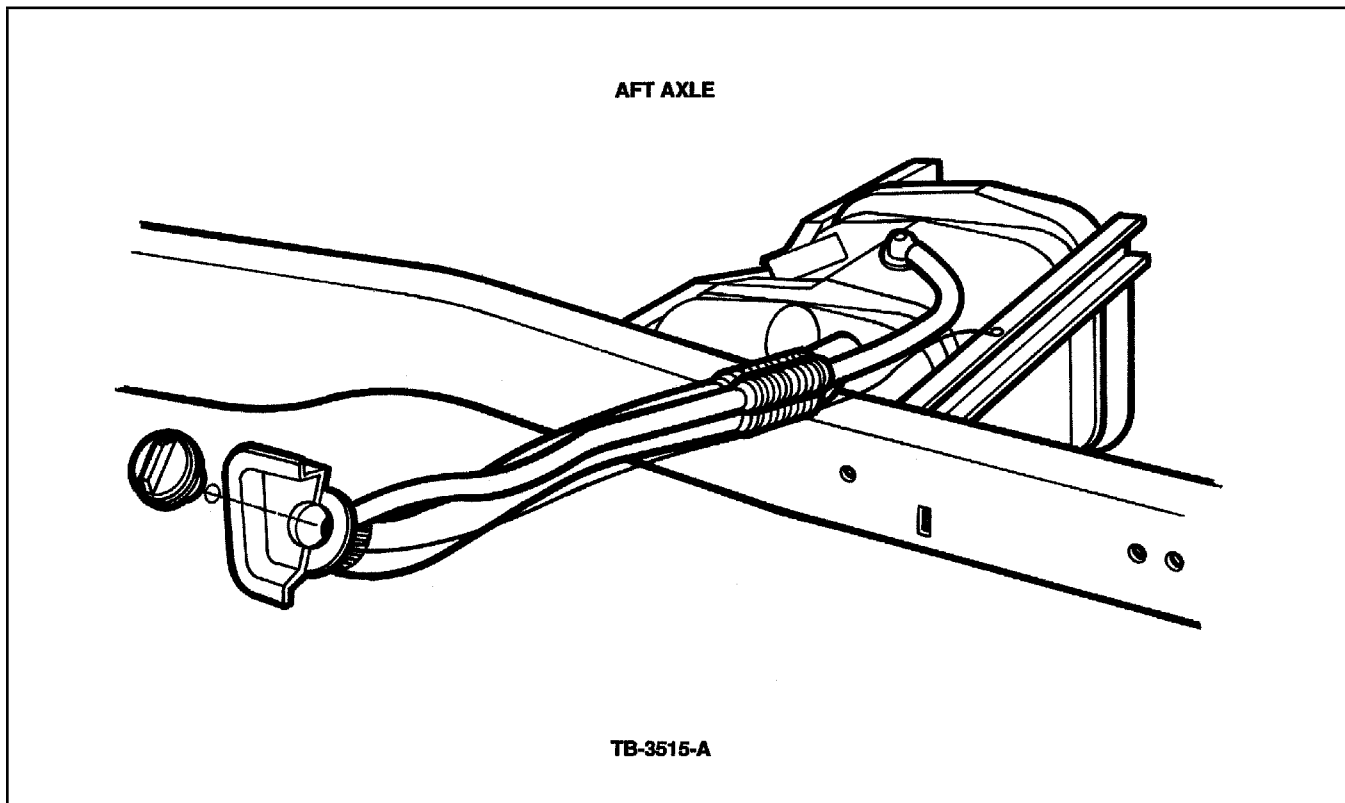


Figure 2 - Article 94-14-11