

## CERTAIN 2018 MODEL YEAR F-650 and F-750 VEHICLES - BRAKE LINE REPLACEMENT

### OVERVIEW

The affected vehicles may contain flexible brake line assemblies, located between the master cylinder and the Hydraulic Control Unit (HCU), that do not have the specified anti-corrosion plating on the metal ferrules. A lack of anti-corrosion plating can lead to premature corrosion of the brake line ferrules. This can subsequently result in brake fluid leakage, and reduced brake function, increasing the risk of a crash.

### SERVICE PROCEDURE

#### Recommended Tool List:

#### General Equipment:

1/4" Ratchet (Power and Hand Tool)	Heavy Duty Jack
1/4" Drive 7mm, 8mm And 10mm Shallow Socket	Heavy Duty Jack Stands
1/4" Drive Torque Wrench	Heavy Duty Wheel Dolly
3/8" Drive Ratchet (Power and Hand Tool)	Brake/Clutch System Pressure Bleeder/Filler
3/8" Drive 14mm and 15mm Crows Feet	
3/8" Drive Torque Wrench	
1" Drive 33mm Deep Impact Socket	
1" Drive 6" Impact Extension	
1" Drive Torque Wrench	
11, 14 and 15mm Line Wrenches	
Trim Tool	
Wire Brush	

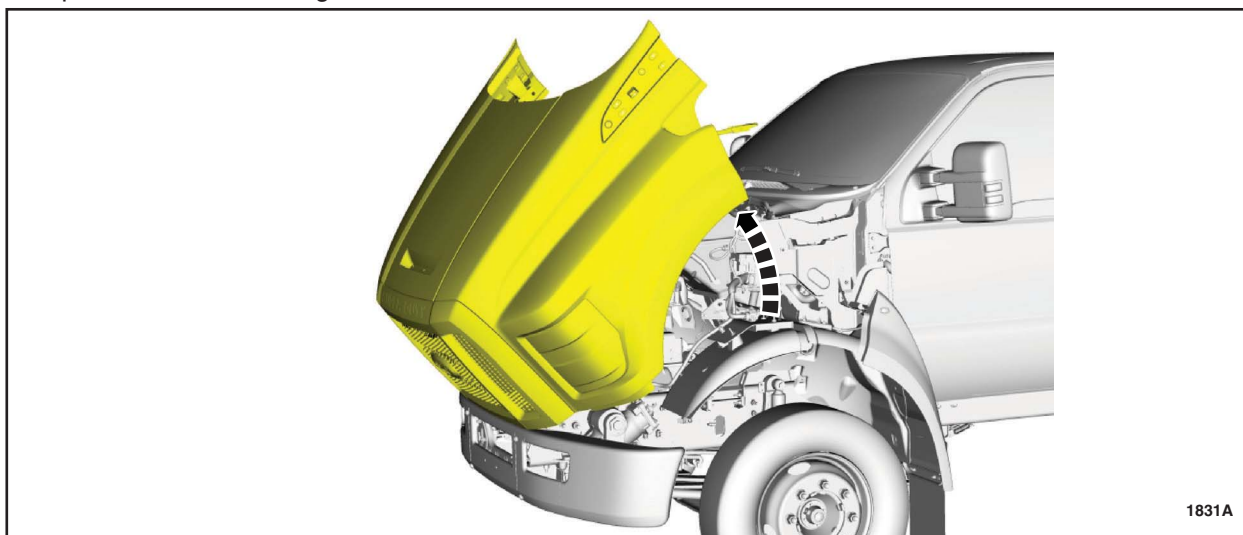


**NOTICE:** Make sure that all brake system openings are sealed.

**NOTICE:** If the fluid is spilled on the paintwork, the affected area must be immediately washed down with cold water.

**All Vehicles**

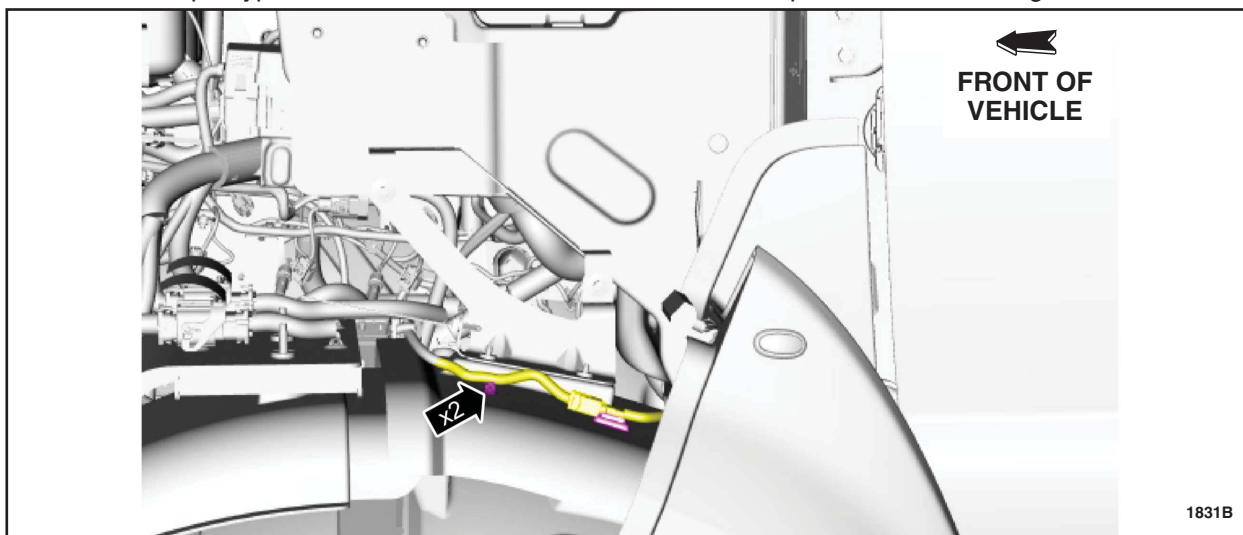
1. Open the hood. See Figure 1.



**FIGURE 1**

**Vehicles Equipped With A Diesel Engine**

2. Remove the pin-type retainers from the driver side fender rear splash shield. See Figure 2.



**FIGURE 2**



3. Remove the three retainers from the driver side fender rear splash shield. See Figure 3.

- Torque to 93 lb.in (10.5 Nm).

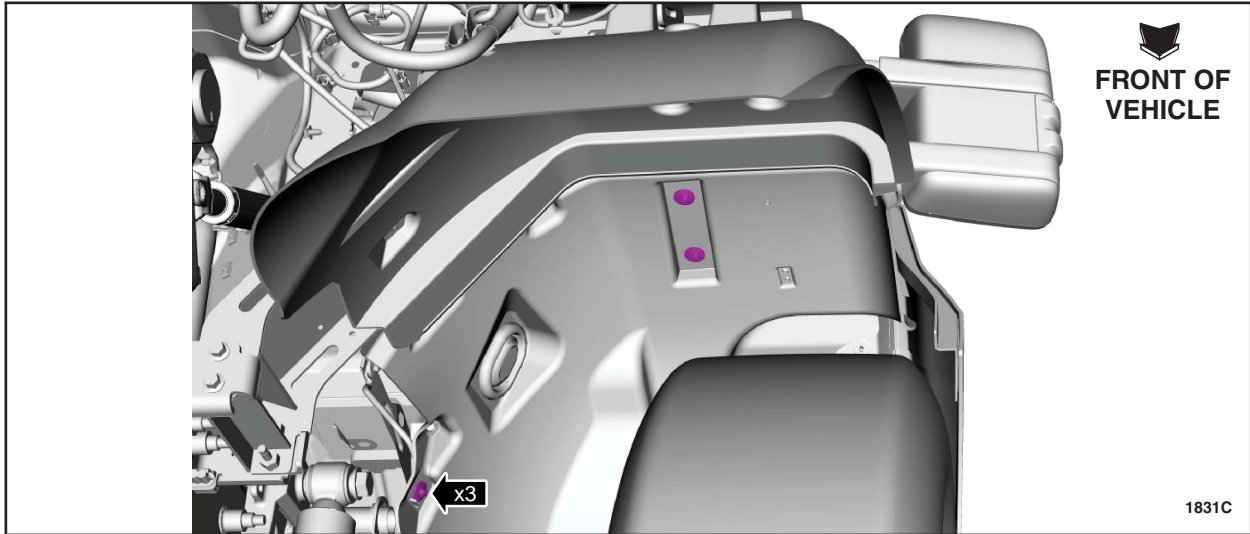


FIGURE 3

4. Remove the pin-type retainers from the driver side fender rear splash shield. See Figure 4.

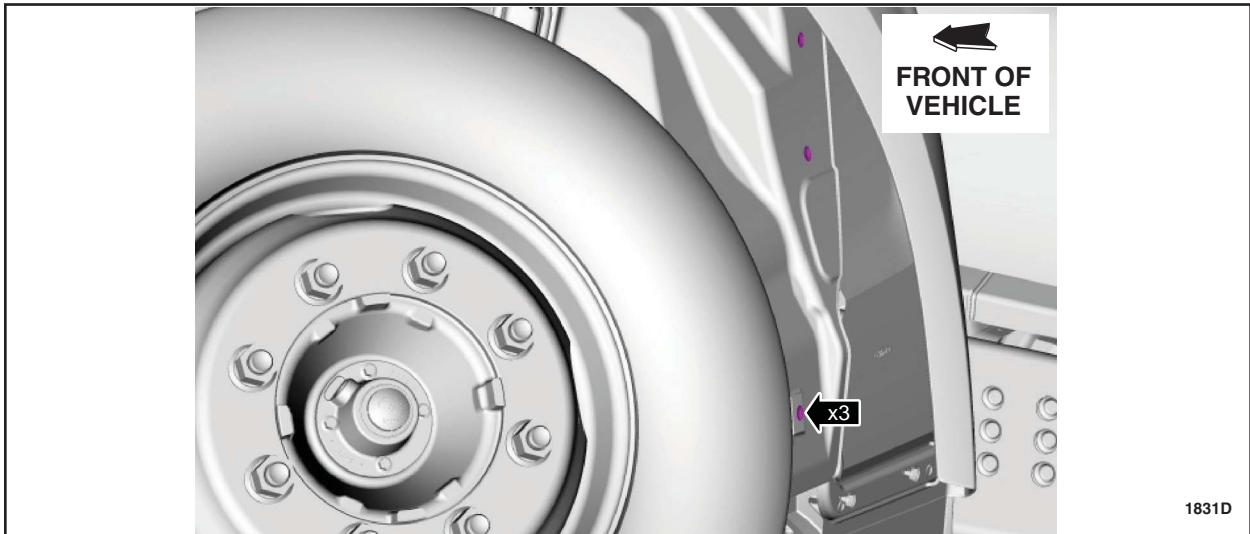


FIGURE 4



5. Remove the pin-type retainers from the driver side fender rear splash shield. See Figure 5.



FIGURE 5

6. Position down the driver side fender rear splash shield. See Figure 6.

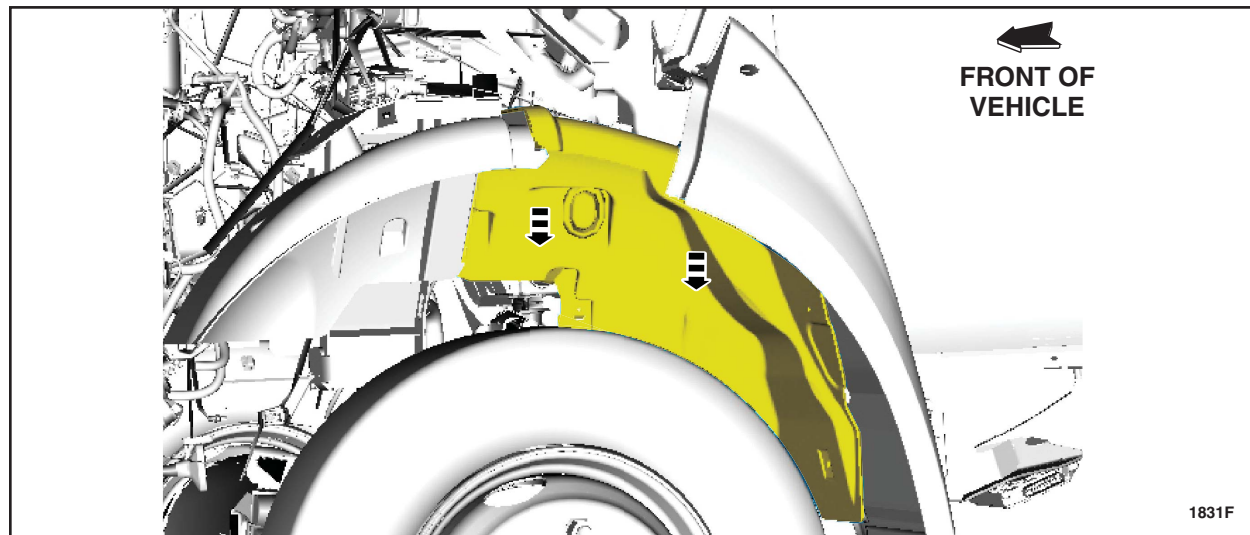


FIGURE 6



7. Remove the two retainers and position aside the fender support bracket. See Figure 7.

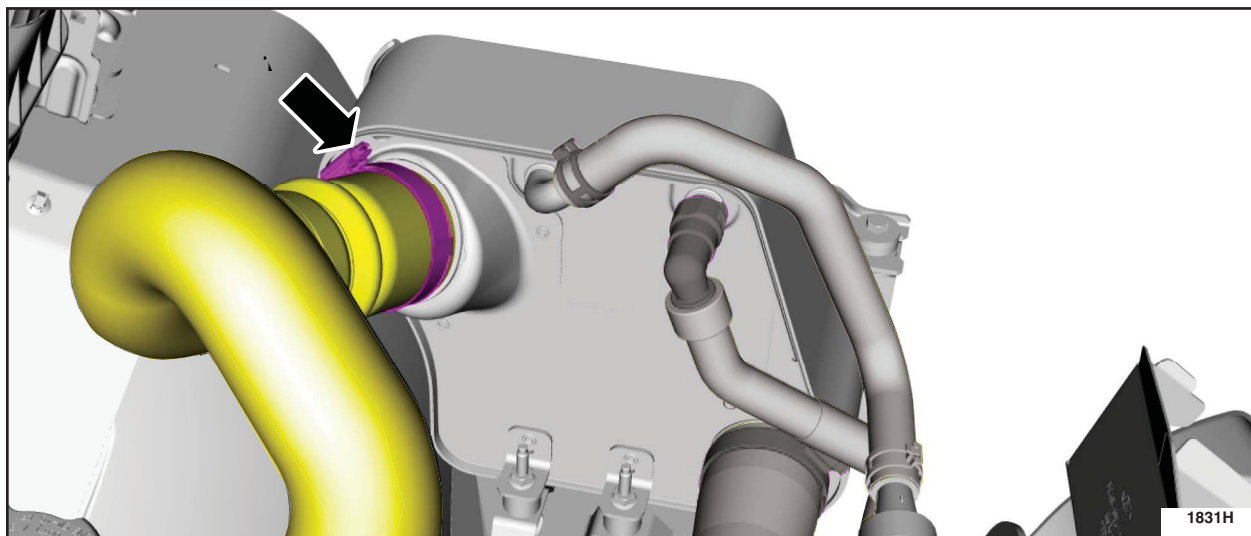
- Torque to 93 lb.in (10.5 Nm).



**FIGURE 7**

8. Loosen the clamp and position the charge air cooler tube aside. See Figure 8.

- Torque: 106 lb.in (12 Nm).



**FIGURE 8**



## All Vehicles

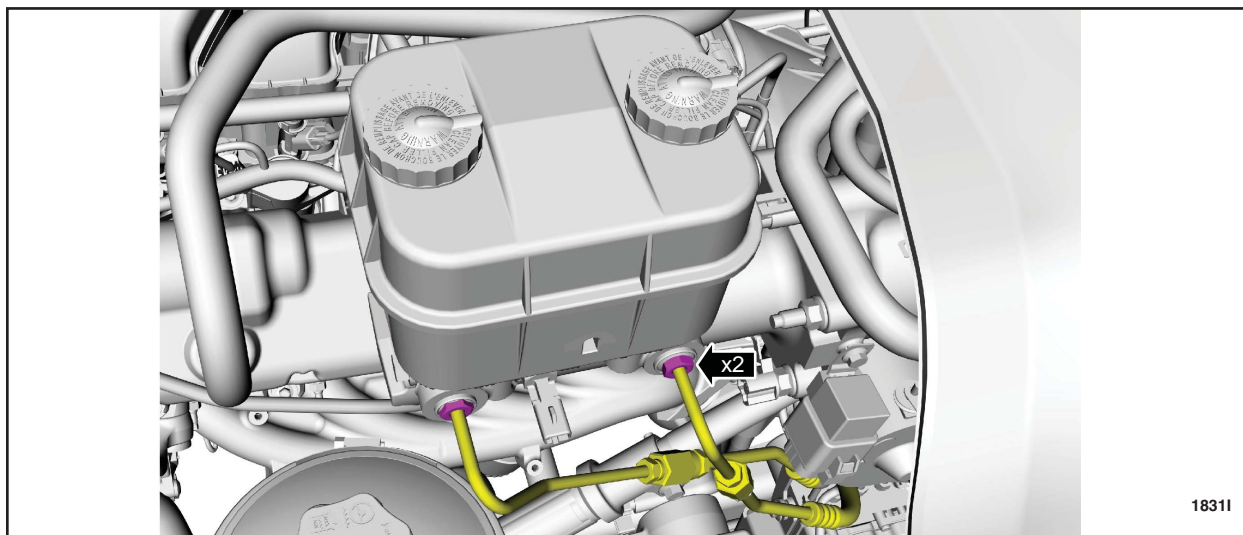
**NOTE:** Be prepared to capture escaping fluid.

**NOTICE:** If the fluid is spilled on the paintwork, the affected area must be immediately washed down with cold water.

**NOTICE:** Do not allow grease, oil, brake fluid or other contaminants to contact the brake pad lining or brake disc. If contamination is on the brake pad lining or brake disc surface, do not clean with metal brake parts cleaner and/or shop towels. Clean the surface using isopropyl alcohol wipes.

9. Disconnect both brake lines at the master cylinder and position aside. See Figure 9.

- Torque: 20 lb.ft (27.5 Nm).



**FIGURE 9**



10. Disconnect the brake line from the hydraulic control unit, detach the brake line from the routing clip and remove and discard the brake line. See Figure 10.

**NOTICE:** Care should be taken not to damage or break the routing clip.

- Torque: 22 lb.ft (30 Nm).

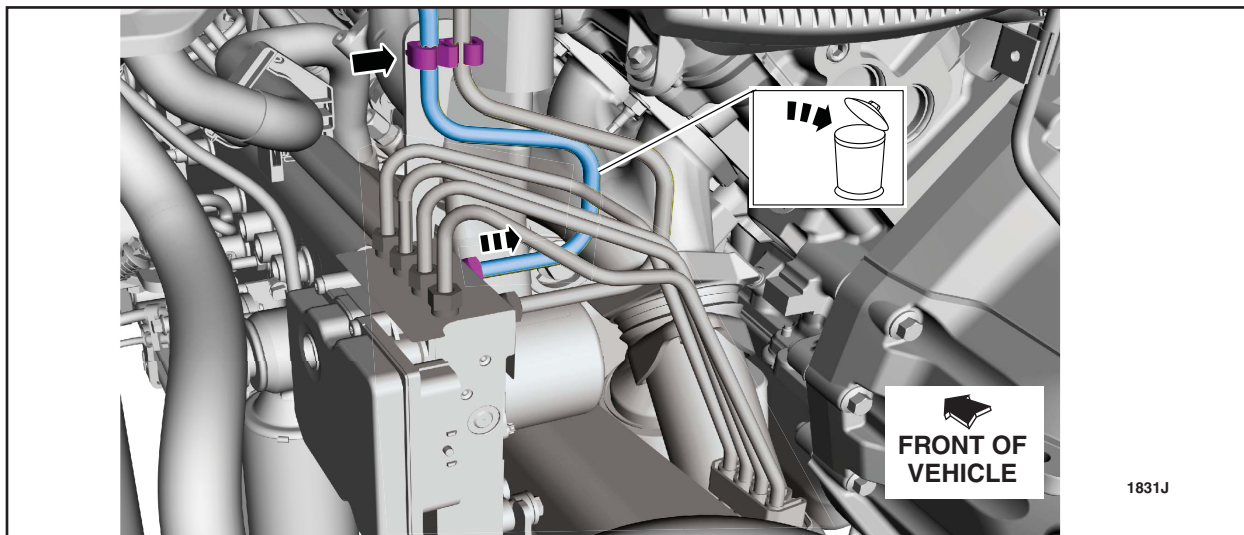


FIGURE 10

11. Release the pin-type retainer and position aside the power fluid steering lines. See Figure 11.

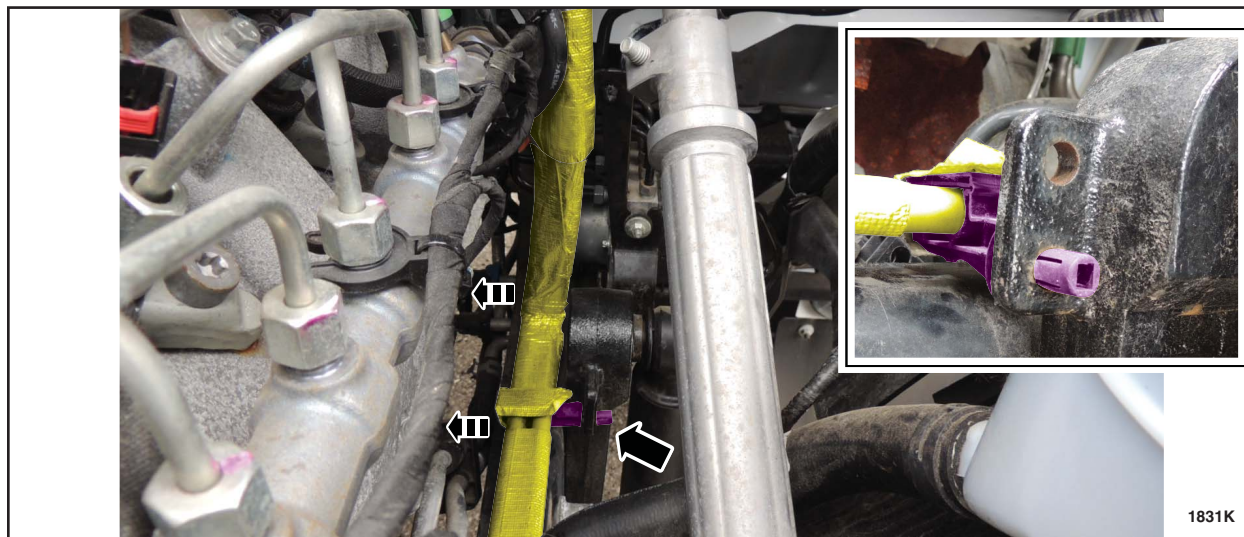


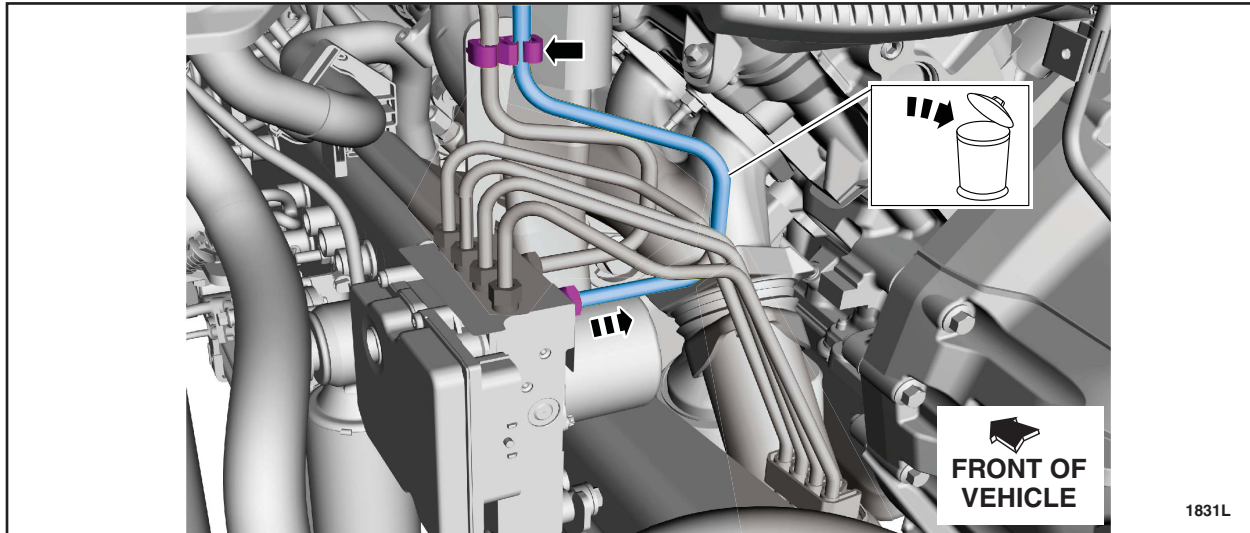
FIGURE 11



12. Disconnect the brake line from the hydraulic control unit, detach the brake line from the routing clip and remove and discard the brake line. See Figure 12.

**NOTICE:** Care should be taken not to damage or break the routing clip.

- Torque: 22 lb.ft (30 Nm).



**FIGURE 12**

13. To install, reverse the removal procedure.
14. Bleed the brake system.  
Refer to: Brake System Pressure Bleeding (206-00A Brake System - General Information - Vehicles With: Hydraulic Brakes, General Procedures).

