

CERTAIN 2015 MODEL YEAR TRANSIT VEHICLES — UNDER HOOD WATER MANAGEMENT REPAIR

OVERVIEW

In some of the affected vehicles, insufficient sealing in certain areas of the engine compartment may allow undesired water entry into the engine compartment directly over powertrain components. This can lead to symptoms including difficulty starting, misfires, or illumination of the Malfunction Indicator Lamp (MIL). Dealers are to install water management measures.

SERVICE PROCEDURE

All Vehicles

1. Remove the cowl panel grille. Please follow the Workshop Manual (WSM) procedures in Section 501-02.
2. Clean the back of the cowl panel grille with a clean cloth. See Figure 1.



FIGURE 1

3. Apply the leaf screen foam seal along the back of the cowl panel grille. See Figure 2.

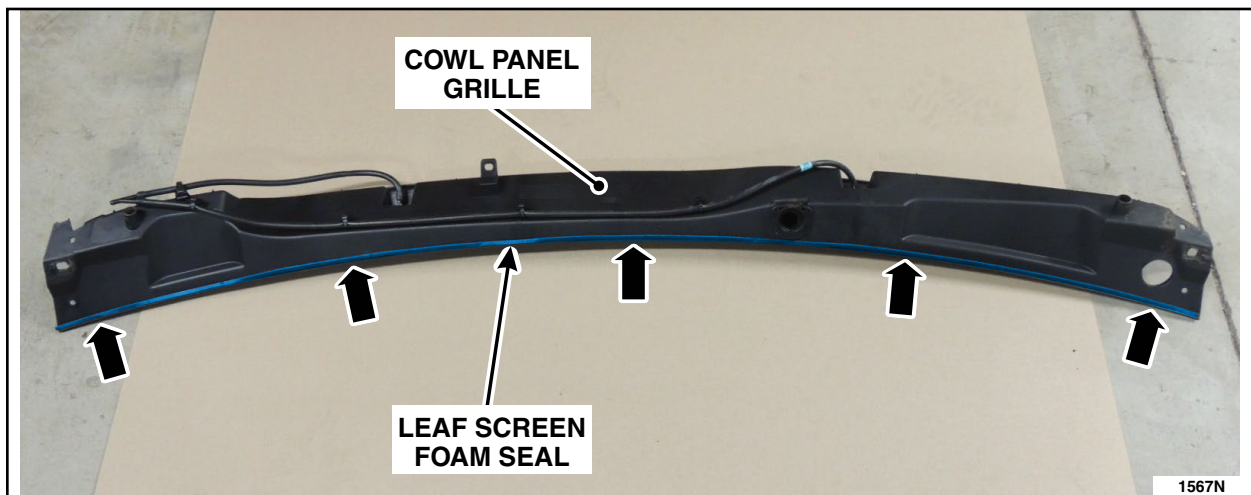


FIGURE 2



4. Remove and discard the drain hose from the passenger side of the cowl panel grille. See Figure 3.

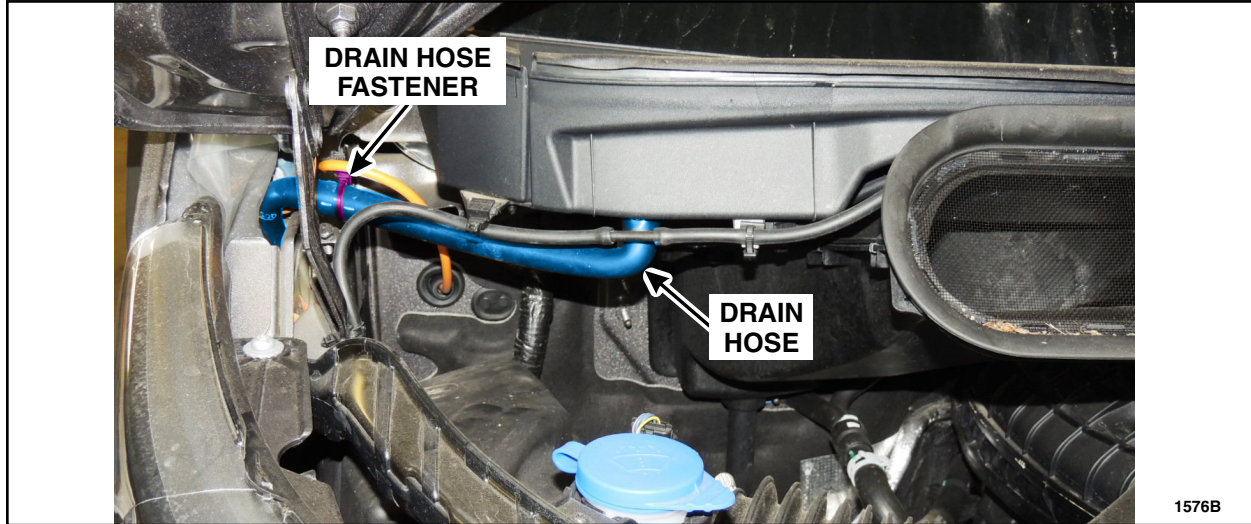


FIGURE 3

5. Remove the bolt and position aside the windshield washer reservoir filler neck. See Figure 4.

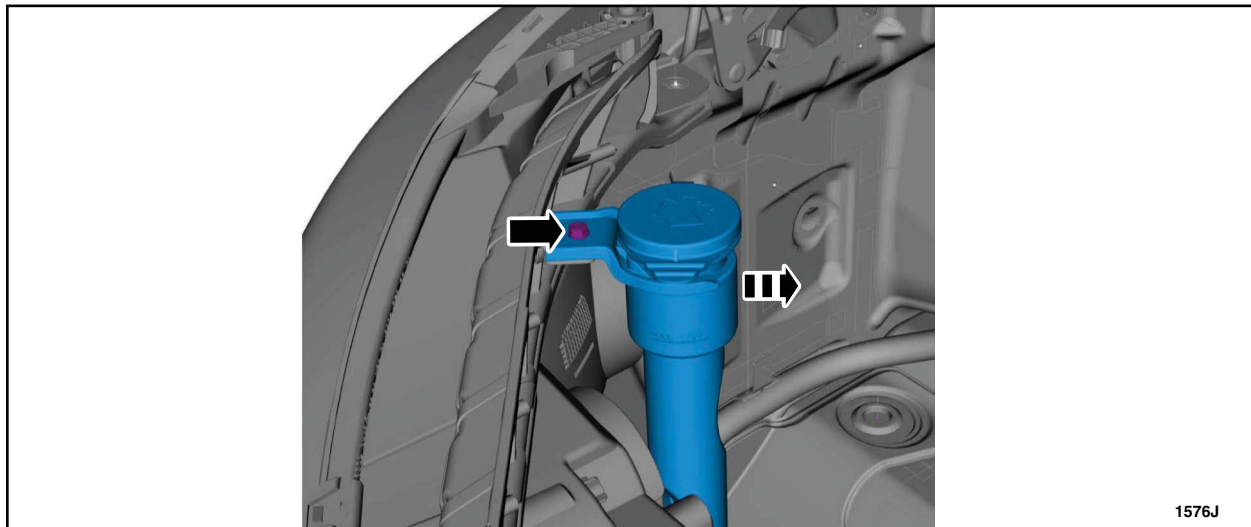


FIGURE 4



6. Loosen the clamp and disconnect the air filter outlet pipe from the air filter cover. See Figure 5.

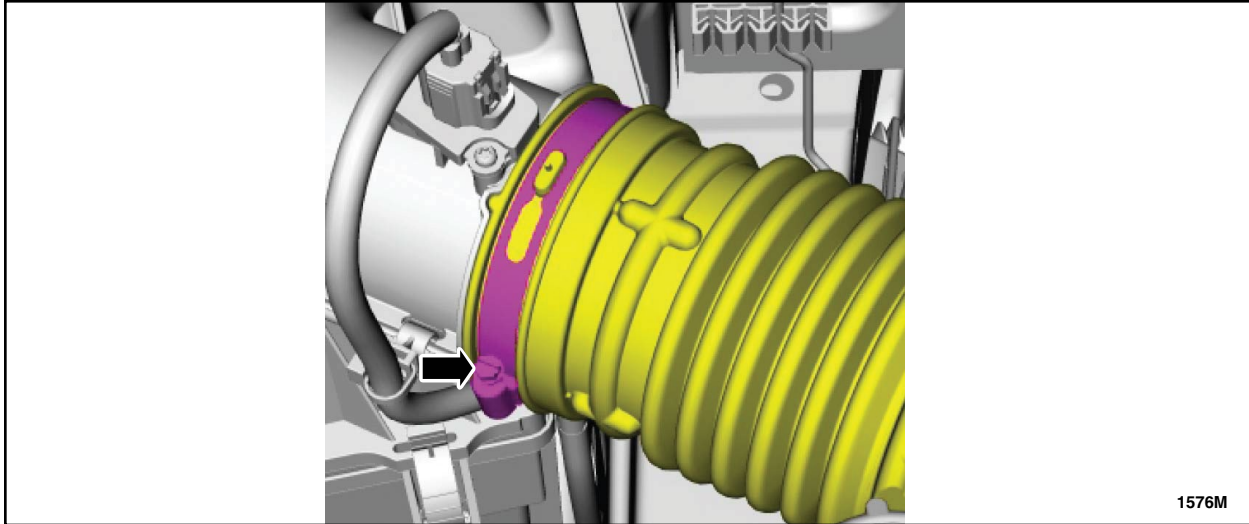


FIGURE 5

7. Disconnect the electrical connector and detach the wiring harness retainer from the air filter cover. For vehicles equipped with a diesel engine, disconnect the hose from the air cleaner cover. See Figure 6a for gas engines and Figure 6b for diesel engines.

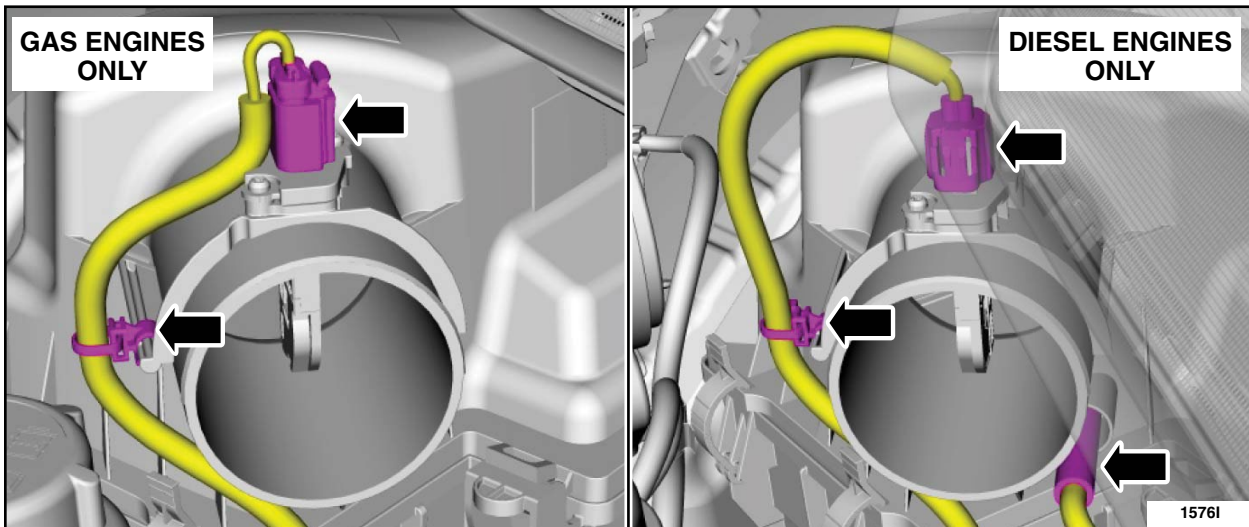


FIGURE 6a

FIGURE 6b



8. Unclip and remove the air filter cover. See Figure 7.

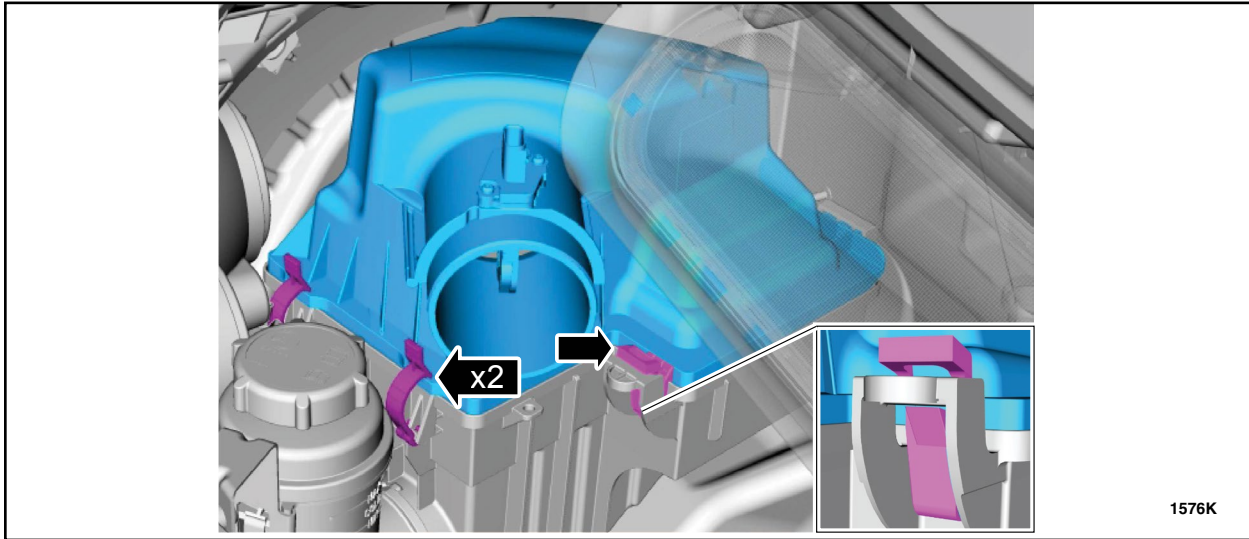


FIGURE 7

9. Remove the air filter. See Figure 8.

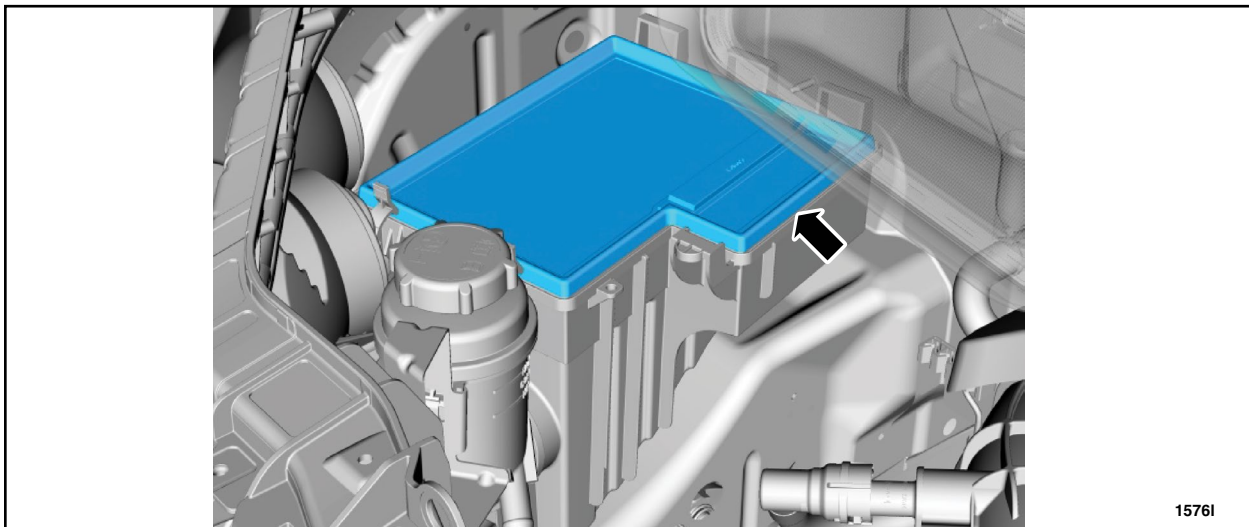


FIGURE 8



10. Clean the body joint between the right inner fender and dash panel with a Motorcraft® Metal Surface Prep Wipe or equivalent. See Figure 9.

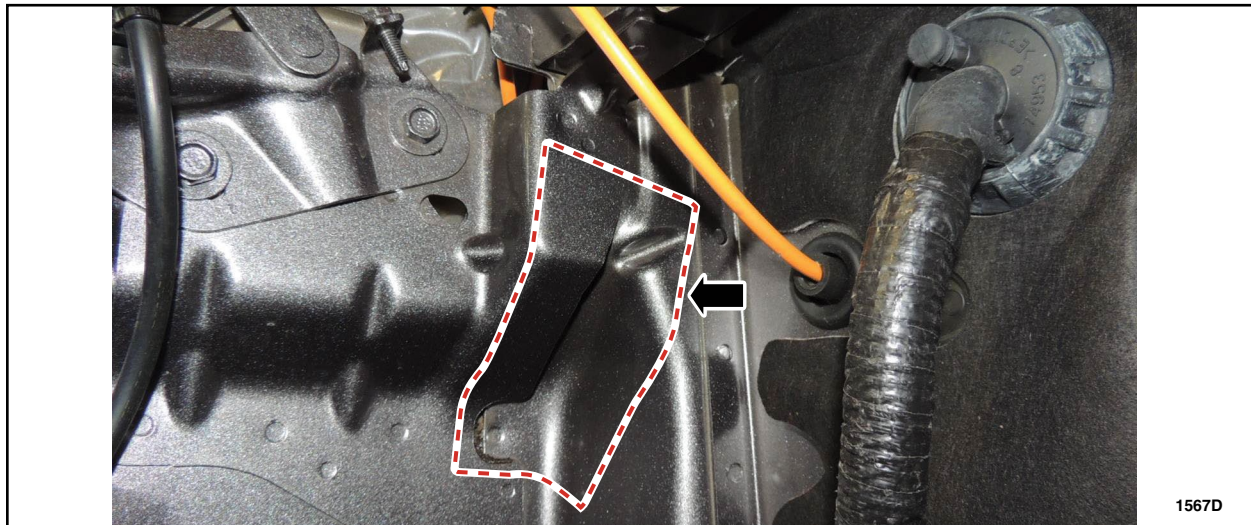


FIGURE 9

NOTE: The supplied mastic patch will service approximately four vehicles.

11. Cut the supplied mastic patch to 8 cm x 13 cm (3 in x 5 in) and apply the patch to the body joint. See Figure 10.

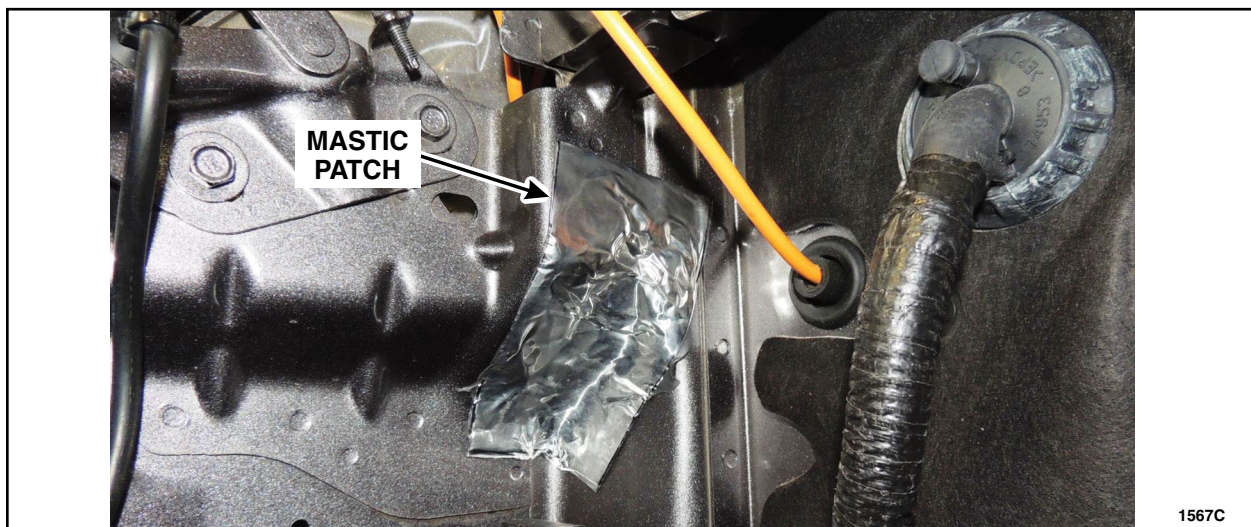


FIGURE 10



12. Inspect the air filter to determine if it is dry/damp or saturated with water or ice.

If - Dry/damp - Clean any debris from the air filter tray and reinstall the air filter.

Normal engine operation will dry the filter if damp.

If - Saturated with water or ice - Install a *new* air filter.

13. Install the air filter cover and fasten the clips. See Figure 7.

14. Connect the electrical connector and attach the wiring harness retainer to the air filter cover.

For vehicles equipped with a diesel engine, connect the hose to the air cleaner cover.

See Figure 6a for gas engines and Figure 6b for diesel engines.

15. Connect the air filter outlet pipe to the air filter cover and tighten the clamp. See Figure 5.

Tighten to 35 lb.in (4 Nm).

16. Reposition the windshield washer reservoir filler neck and install the bolt. See Figure 4.

Tighten to 71 lb.in (8 Nm).

Low Roof Vehicles Only

17. Replace the passenger side windshield wiper arm grommet on the cowl panel grille. See Figure 11.

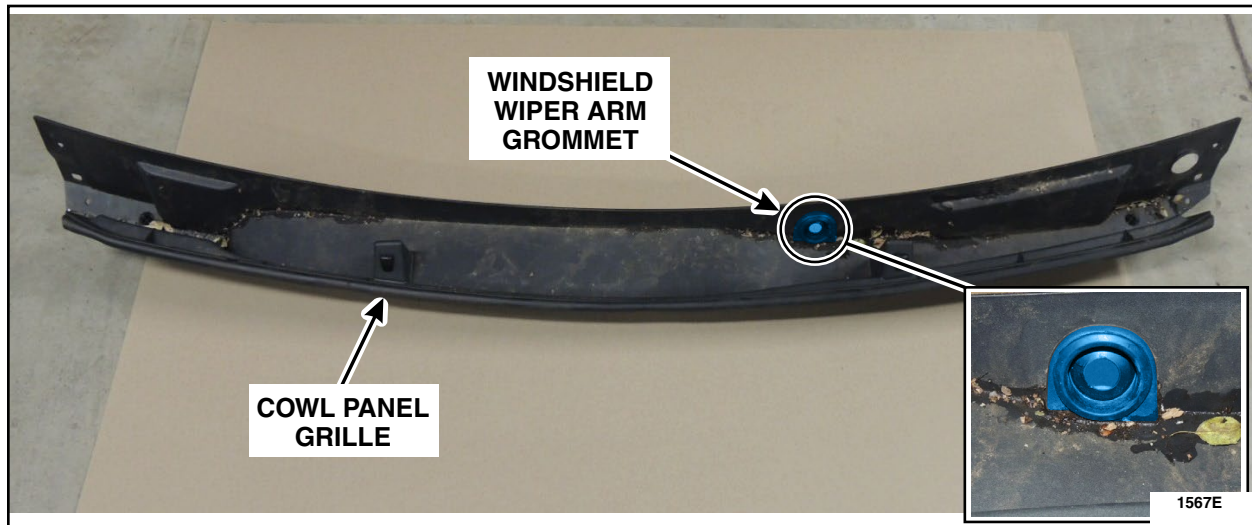


FIGURE 11



All Vehicles

18. Reinstall the cowl panel grille. Please follow the WSM procedures in Section 501-02.
19. Install the supplied water diverter on the passenger side of the vehicle. See Figure 12.
 - a. Install the outboard end of the diverter into the sheet metal tab behind the hood hinge.
 - b. Snap the diverter up onto the cowl panel grille.

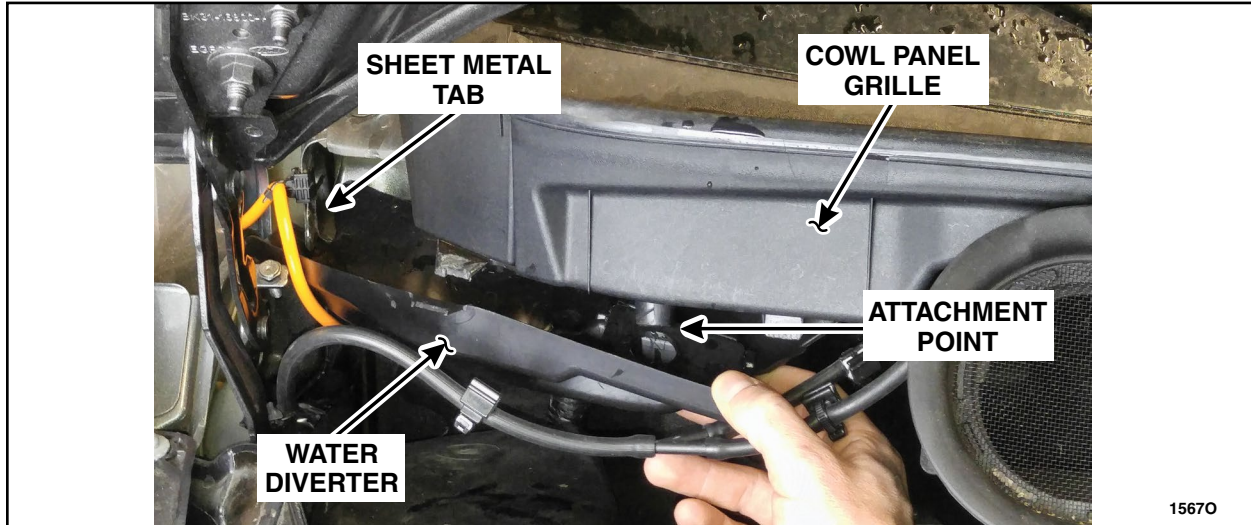


FIGURE 12

20. Route the orange antenna wire in front of the diverter and route the washer hose under the inboard end of the diverter. Attach the washer hose clip to the front edge of the diverter. See Figure 13.

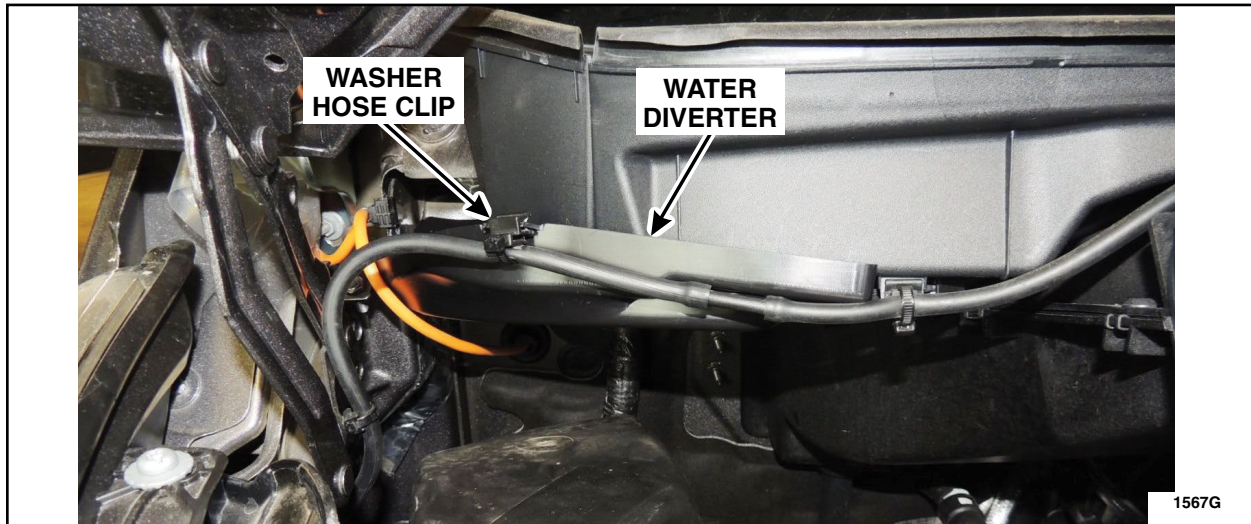


FIGURE 13

