

## CERTAIN 2015-2017 MODEL YEAR MUSTANG GT350 AND GT350R VEHICLES — ENGINE OIL COOLER TUBE ASSEMBLY REPLACEMENT

### OVERVIEW

In some of the affected vehicles, the engine oil cooler tube assembly may have insufficient crimps on the hose that could lead to a hose separation and an oil leak. Sudden loss of engine oil may result in engine failure and, in the presence of an ignition source, can lead to a fire. Dealers are to replace the engine oil cooler tube assembly.

**NOTE:** It is anticipated that parts will be available in sufficient quantities to repair all vehicles by mid-March, 2017. Until then, dealers are only to repair vehicles that arrive at your dealership or dealer stock vehicles with a customer sales contract.

### SERVICE PROCEDURE

#### All Vehicles

1. Raise the vehicle on a hoist. Please follow the Workshop Manual (WSM) procedures in Section 100-02.
2. Remove the three lower fender splash shield to bumper cover push pins from the LH and RH wheel wells. See Figure 1.

**NOTE:** Wheel and tire removed for clarity.

**NOTE:** LH side shown, RH similar.

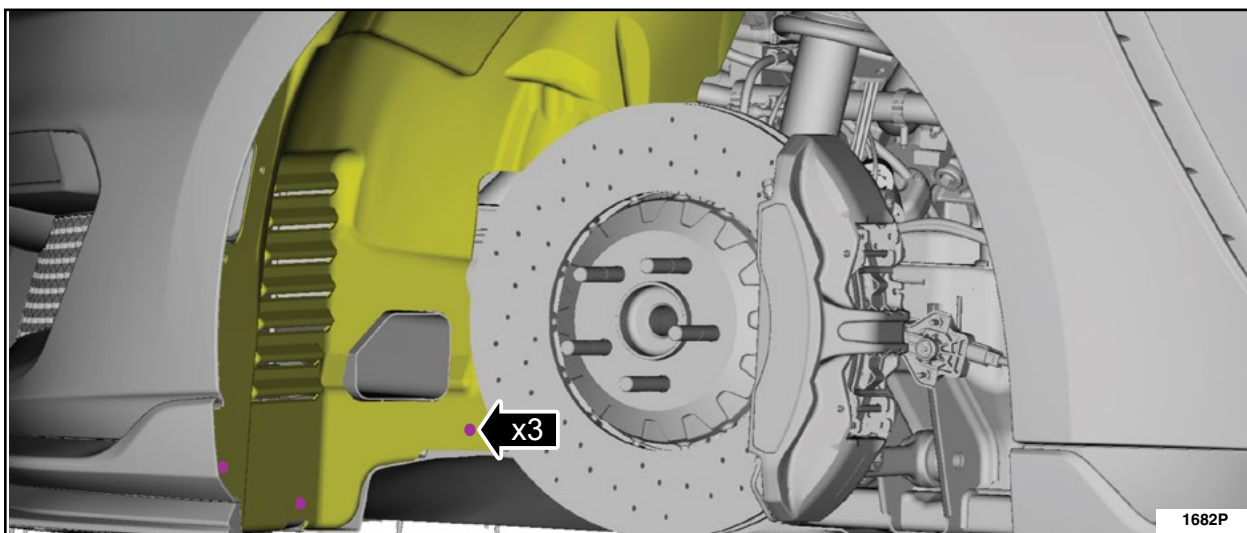


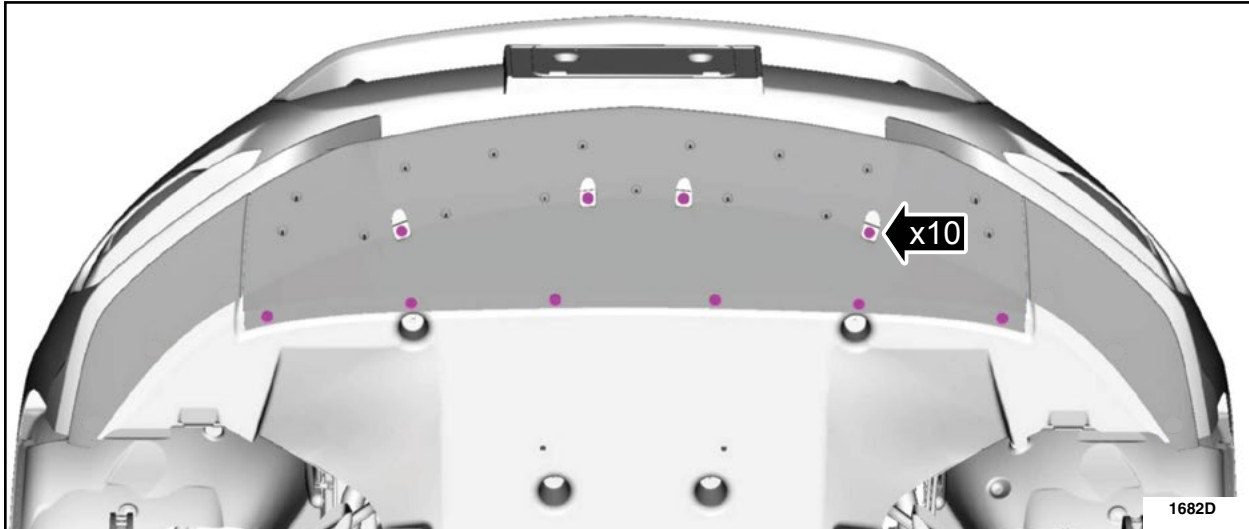
FIGURE 1



### GT350 Vehicles

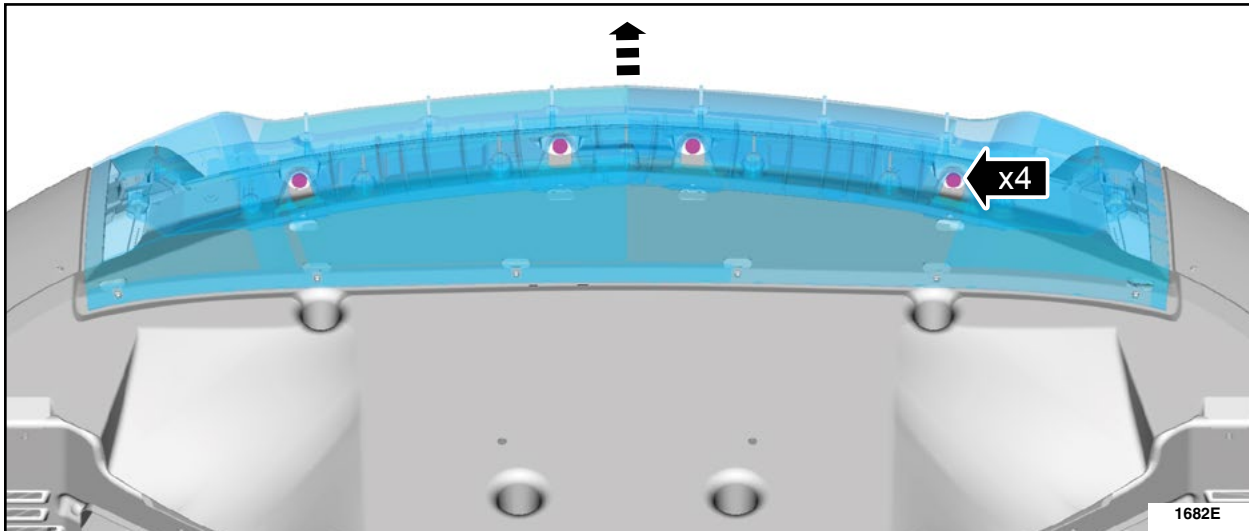
3. Remove the ten air splitter screws. See Figure 2.

- To install, tighten to 17 lb.in (1.9 Nm).



**FIGURE 2**

4. Remove the four center air splitter screws beginning with the outer screws first. Slide the center air splitter forward to remove. See Figure 3.



**FIGURE 3**

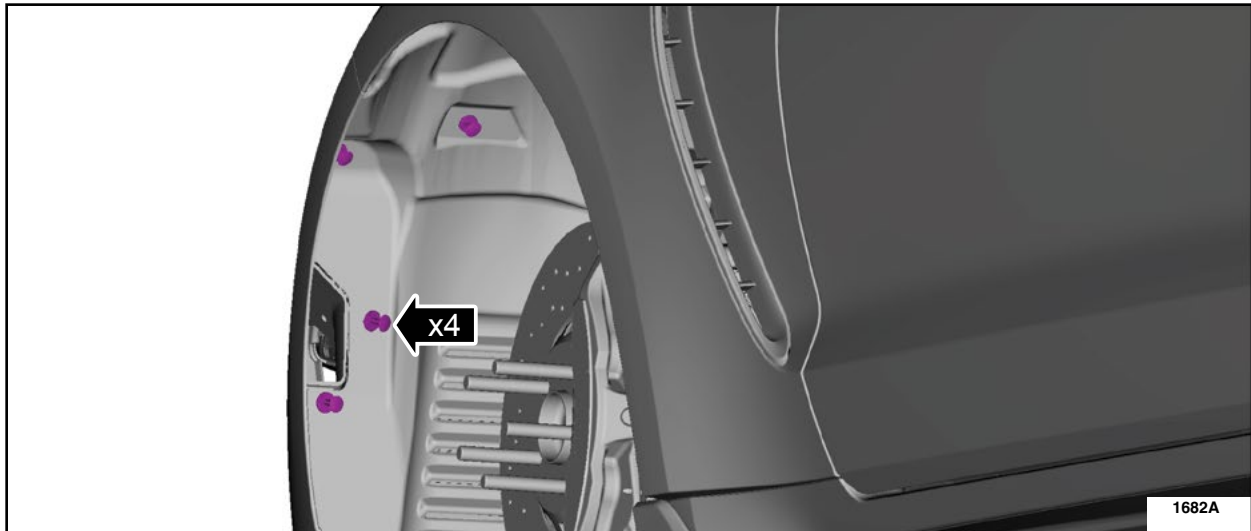


### GT350R Vehicles

**NOTE:** Wheel and tire removed for clarity.

5. Remove the four upper fender splash shield to bumper cover push pins from the LH and RH wheel wells. See Figure 4.

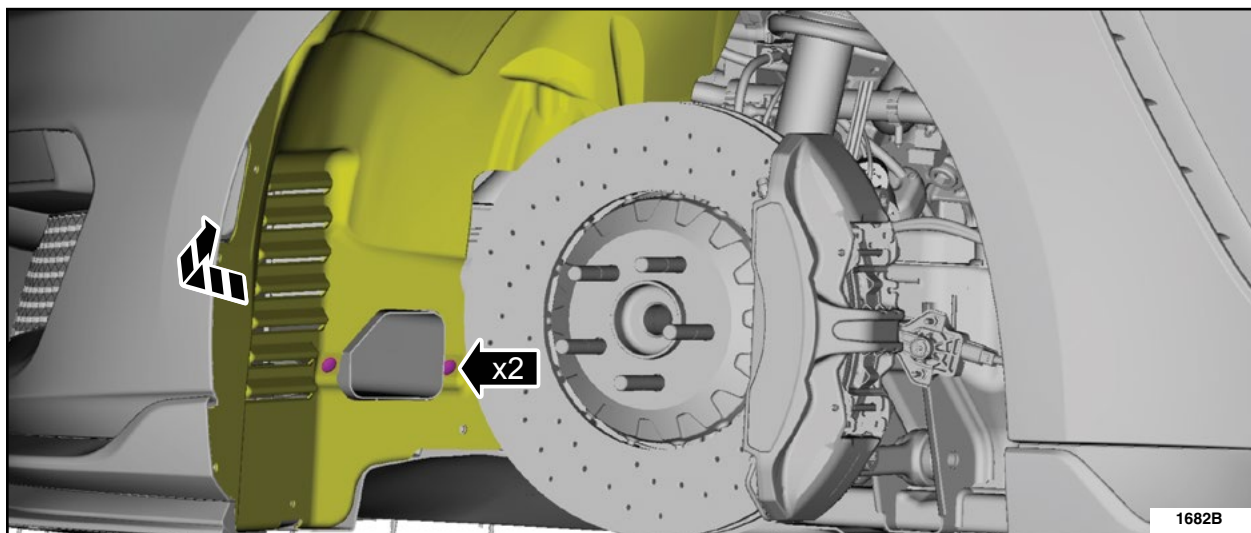
**NOTE:** LH side shown, RH similar.



**FIGURE 4**

6. Remove the two push pins and position aside the LH and RH fender splash shields. See Figure 5.

**NOTE:** LH side shown, RH similar.



**FIGURE 5**



7. Remove the sixteen air splitter screws. See Figure 6.

1. Remove the screws starting with the outer screws and working to the center screws.
  - To install, tighten to 17 lb.in (1.9 Nm).
2. Remove the screws starting with the outer screws and working to the center screws.
  - To install, tighten to 17 lb.in (1.9 Nm).

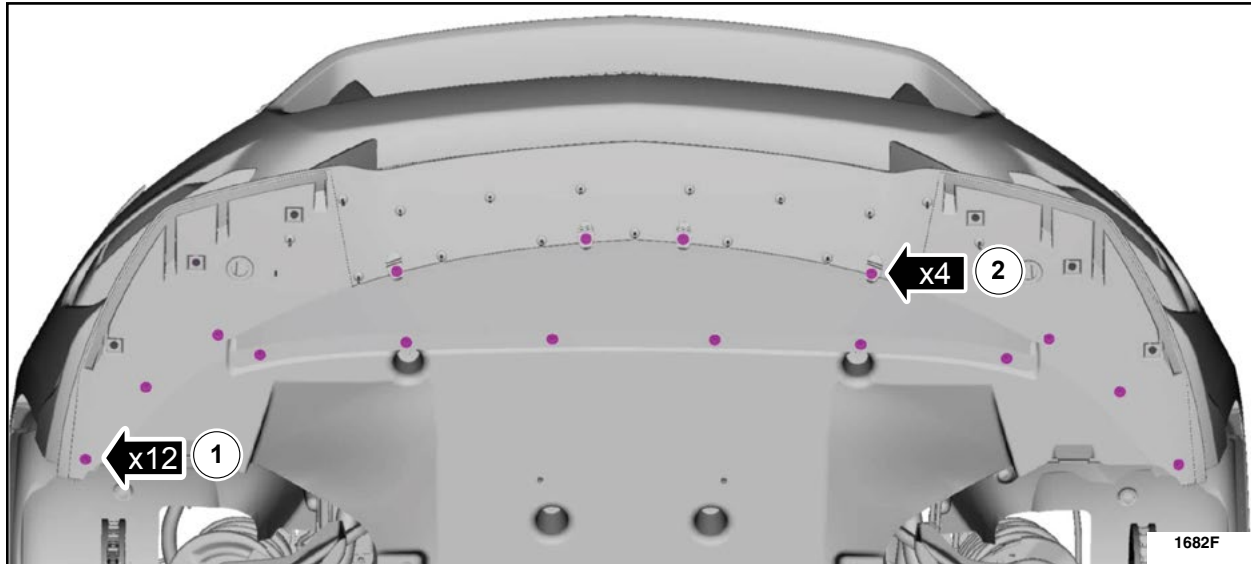


FIGURE 6

8. Remove the two screw covers. See Figure 7.

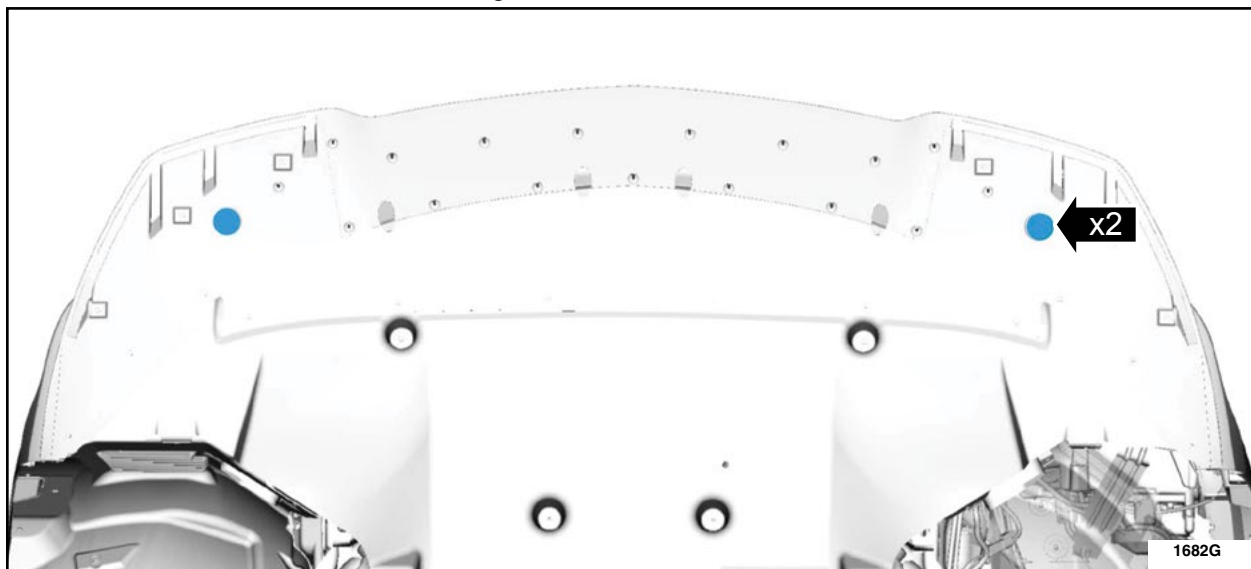
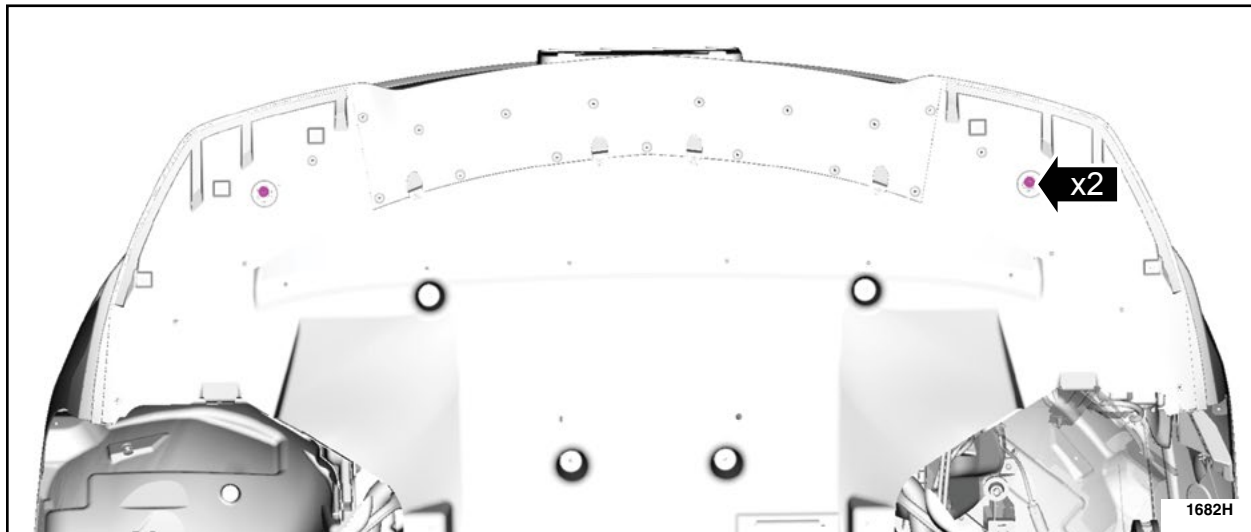


FIGURE 7



9. Remove the two air splitter screws. See Figure 8.

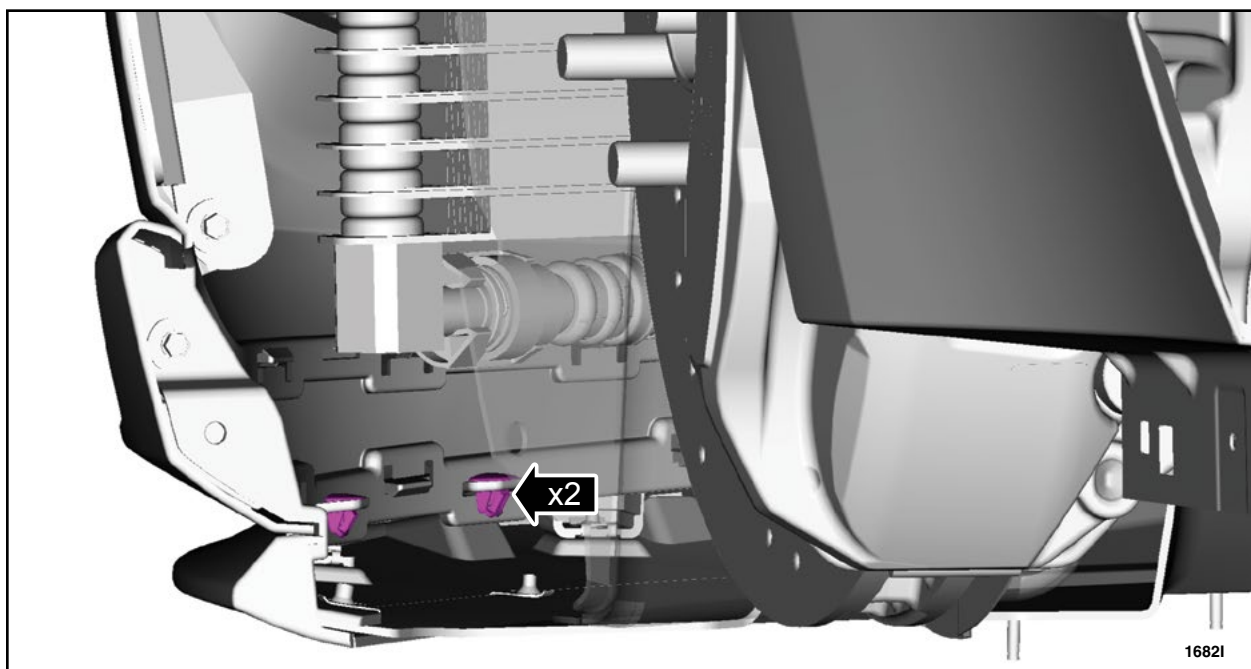
- To install, tighten to 17 lb.in (1.9 Nm).



**FIGURE 8**

10. Remove the two LH and RH air splitter retaining clips. See Figure 9.

**NOTE:** LH side shown, RH similar.



**FIGURE 9**





11. Remove the four center air splitter screws beginning with the outer screws first. Slide the center air splitter forward to remove. See Figure 10.

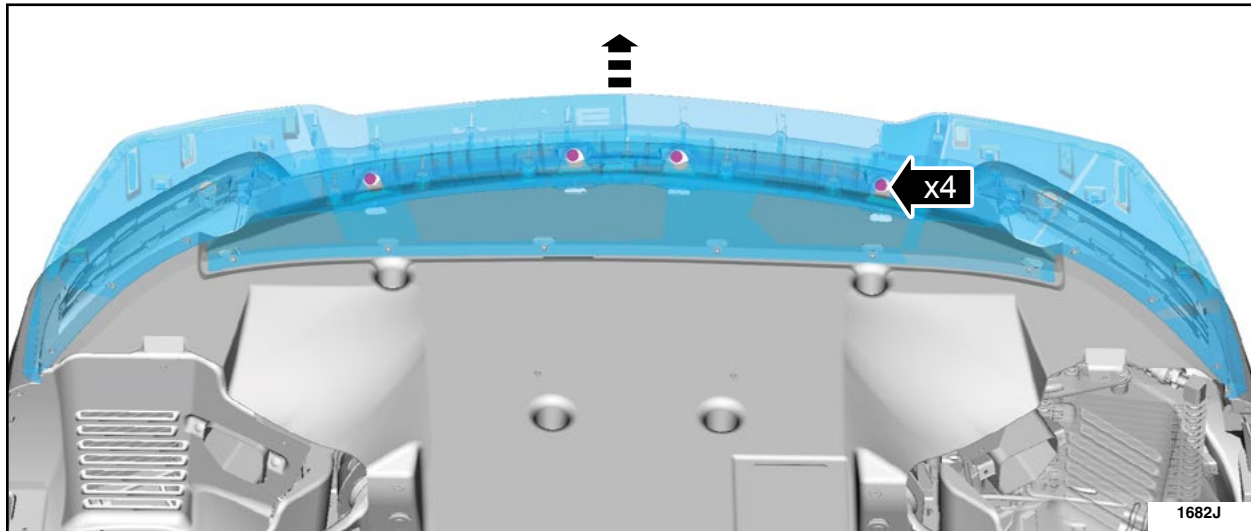


FIGURE 10

### GT350 Vehicles

12. Remove the twenty two bolts and the underbody shield. See Figure 11.

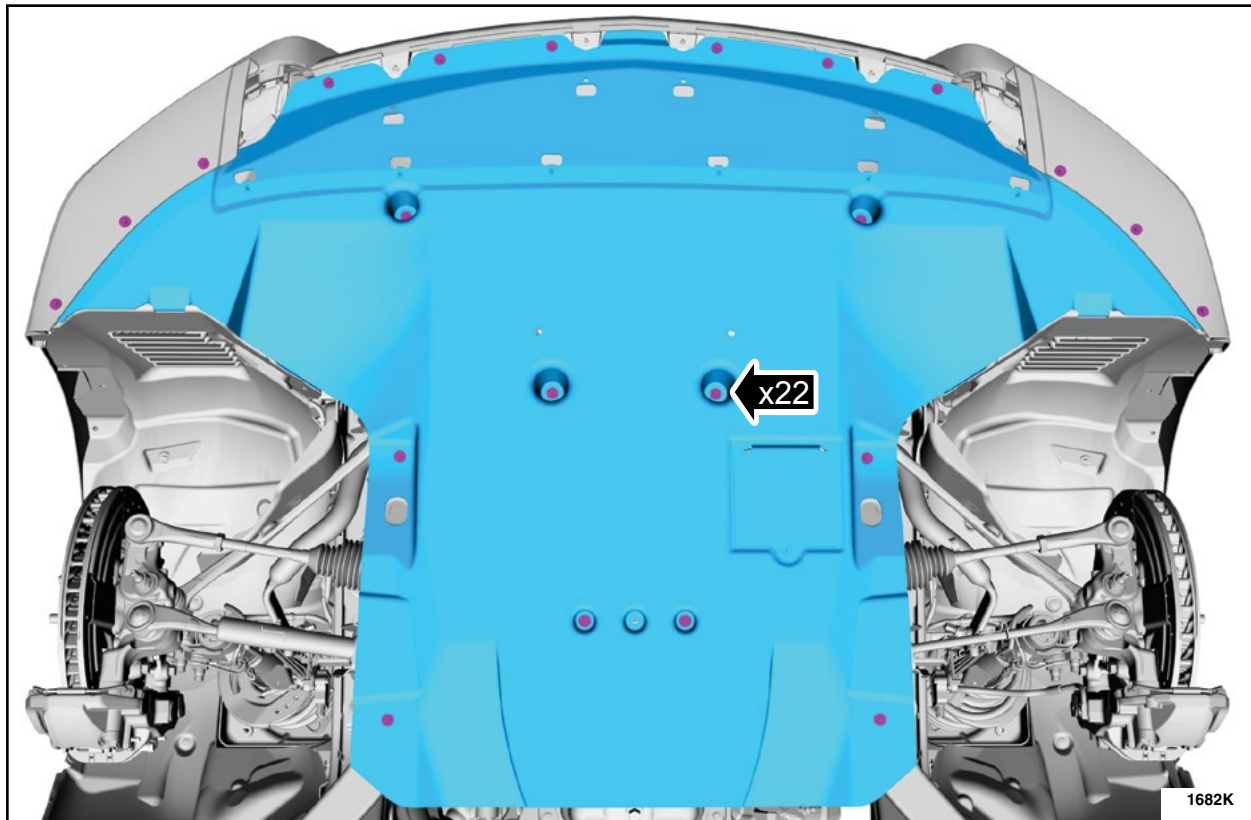


FIGURE 11



### GT350R Vehicles

13. Remove the sixteen bolts and the underbody shield. See Figure 12.

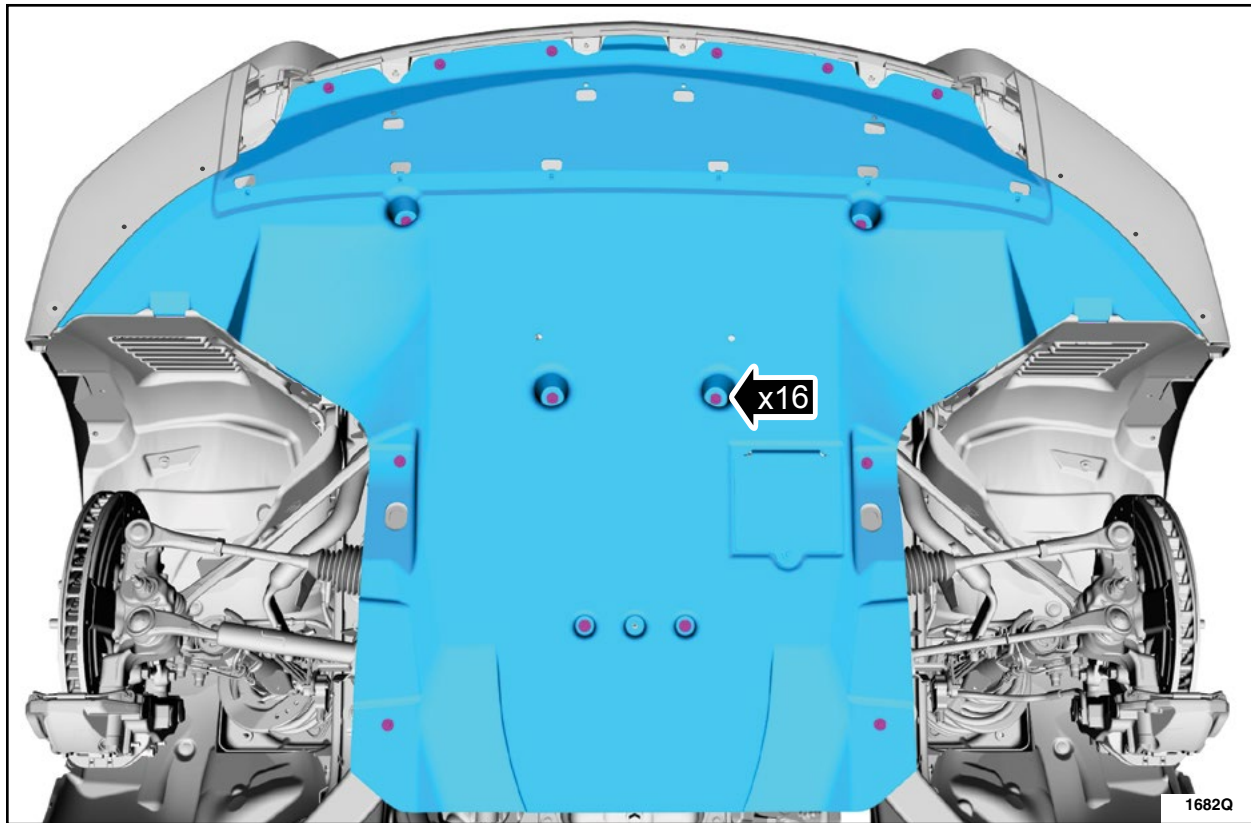


FIGURE 12

### All Vehicles

14. Position a drain pan under the engine oil cooler tubes. Remove the retaining clips and disconnect the engine oil cooler tubes. See Figure 13.

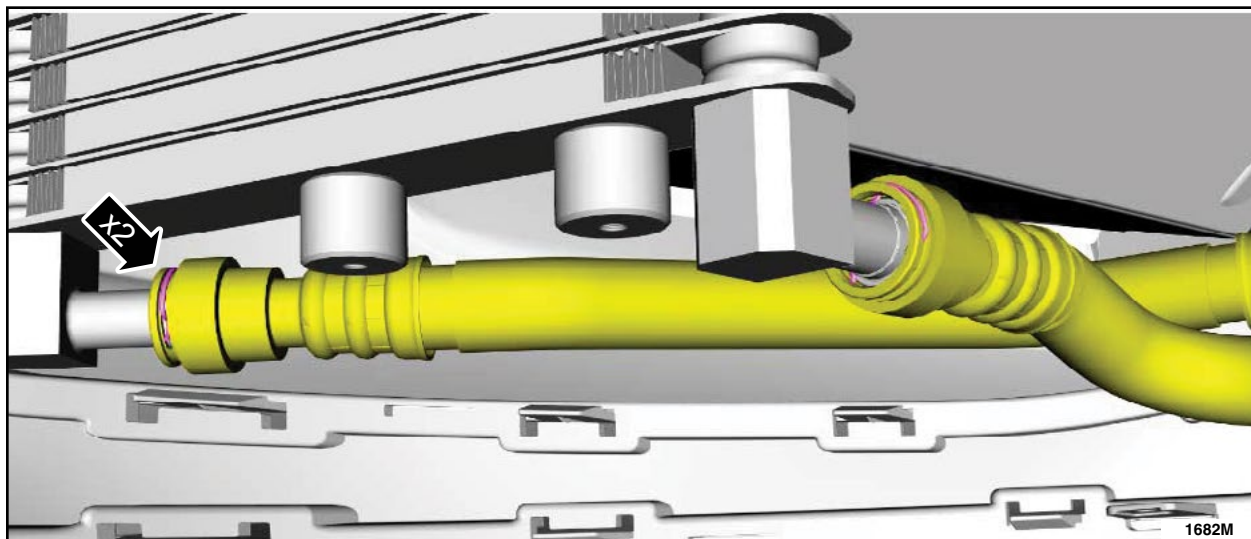


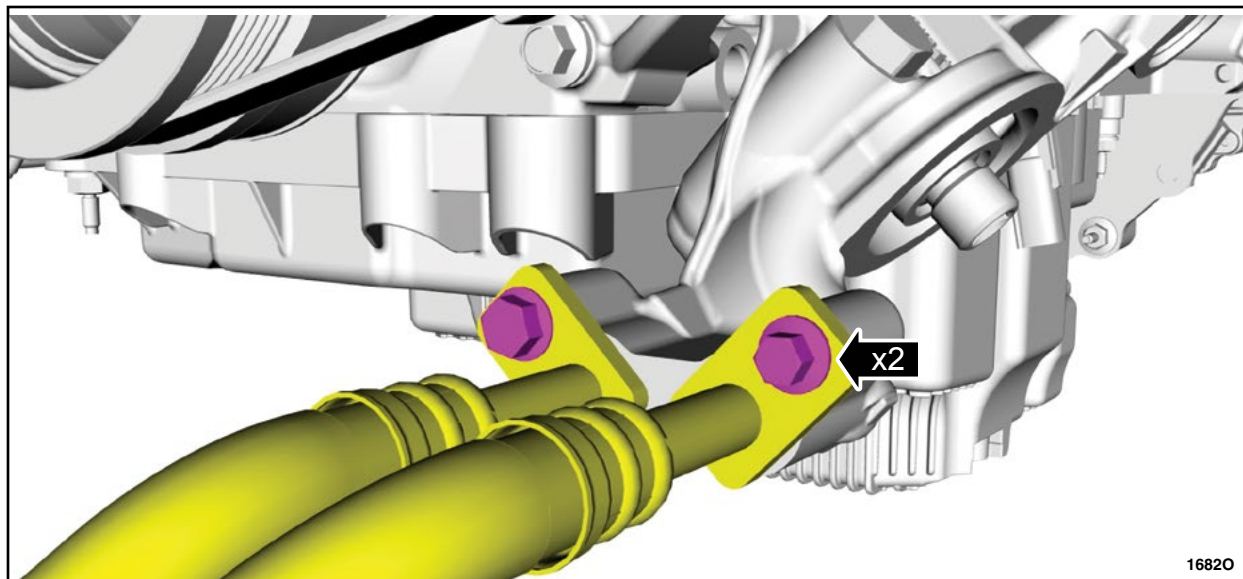
FIGURE 13



**NOTE:** It is not required to remove the oil filter as shown in Figure 14.

15. Reposition the drain pan under the oil filter adapter. Remove the two bolts and disconnect the oil cooler tubes from the oil filter adapter. See Figure 14.

- To install, tighten to 22 lb.ft (30 Nm).



**FIGURE 14**

16. Remove and discard the engine oil cooler tube bracket push pin. Remove and discard the engine oil cooler tubes. See Figure 15.



**FIGURE 15**





17. To install *new* engine oil cooler tubes, reverse the removal procedure.
  - Clean any residual oil from the vehicle underbody.
18. Prime the *new* engine oil cooler tubes.
  - a. Start the engine and allow it to run for 15 seconds.
  - b. Turn the engine OFF.
19. Check and top off the engine oil once repairs are complete.

