



## Engine Oil Pan Leak on 2015-2017 Ford F150 with 2.7L Ecoboost Engines

The AERA Technical Committee offers the following information regarding leaking oil pans on the 2015-2017 Ford F150 with 2.7L Ecoboost engines. Customers may complain of an oil leak from the oil pan.

During assembly at the factory, the oil pan is sealed using an RTV sealer and the sealer used may not have the correct adhesion to the flanges leading to the oil leak. To correct this condition, the oil pan will need to be removed, the old RTV sealer removed from the mating surfaces and the surfaces cleaned to prepare for the application of new RTV sealer. Follow the procedure below to complete the repair.

- Remove oil pan from the block stiffener.
- Clean the mating surface thoroughly with a scraper and silicone gasket remover. Allow the gasket remover to set for several minutes after applying to make removal easier.
  - NOTE: **DO NOT** use metal scrapers on the pan and block flanges to avoid damaging them, use plastic scrapers instead.
- Apply a .180" (4.500 MM) bead of RTV sealer to the oil pan surface and .350" (9.000 MM) bead at the front cover and rear cover joints on the block stiffener, see red circle areas in Figure 1.
  - NOTE: Install the oil pan and torque the bolts within 5-10 minutes of applying the sealer.

(continued)

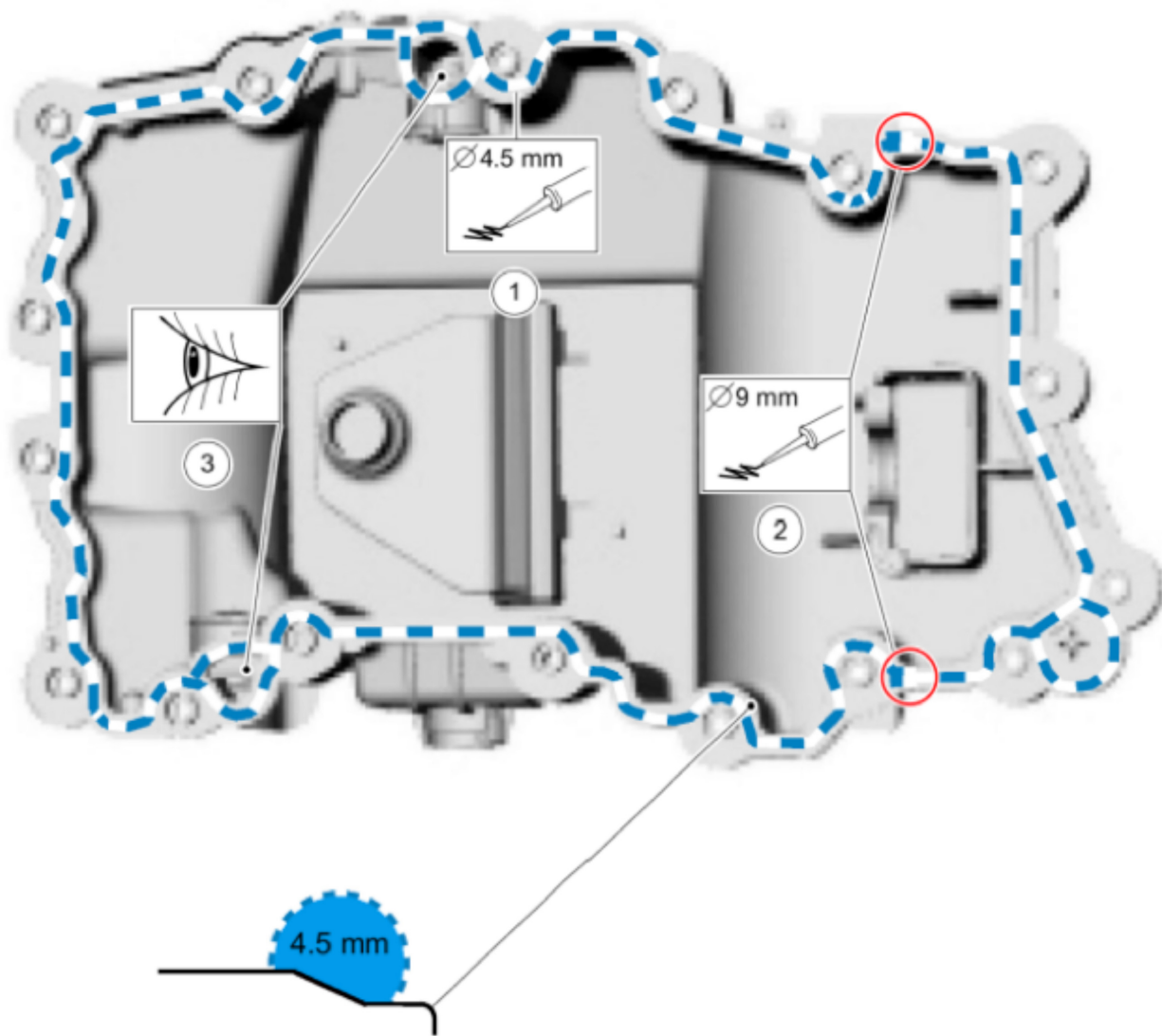


**Figure 1**

- Torque the bolts in sequence, see figure 2.
  - Step 1: 31 INCH/LBS
  - Step 2: 89 INCH/LBS

(continued)

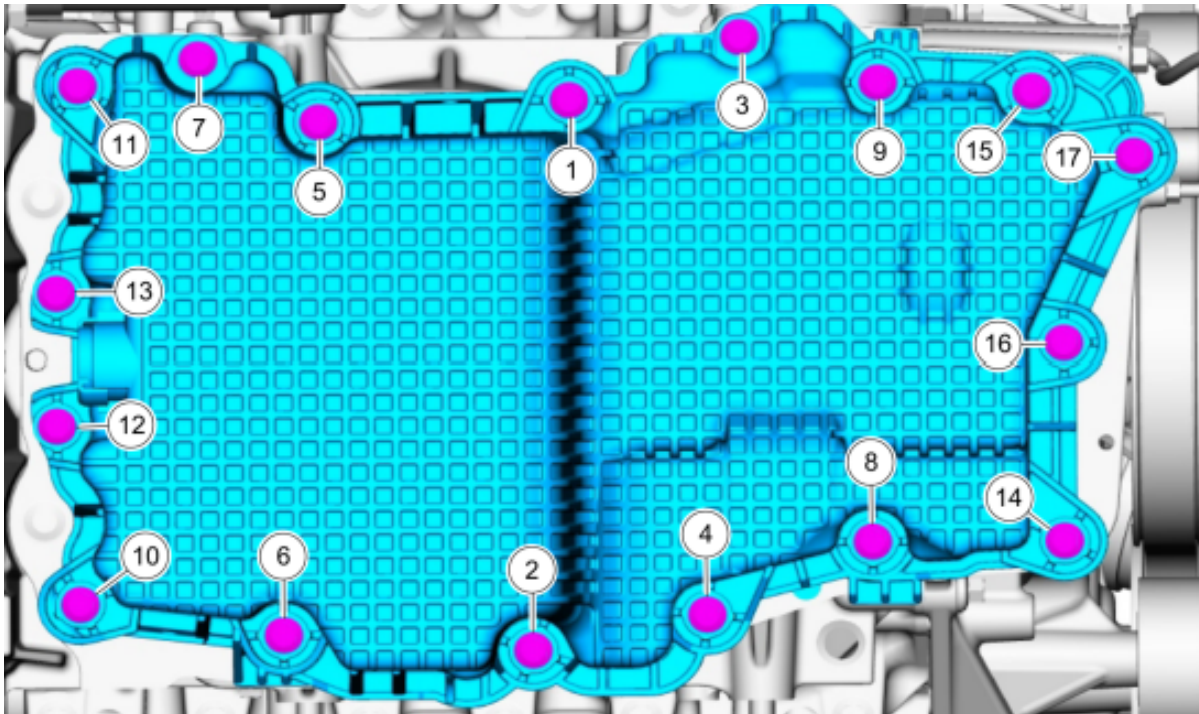


**Figure 2**