

## CERTAIN 2017 MODEL YEAR F-SUPER DUTY VEHICLES EQUIPPED WITH A 6.7L DIESEL ENGINE — TRANSMISSION FLUID COOLER TUBES REPAIR

### OVERVIEW

In some of the affected vehicles, a slow transmission fluid leak may occur due to the Transmission Fluid Cooler (TFC) tubes not being manufactured to the intended bend angle. This could cause stress loading, and ultimately cause a crack to form on the TFC tubes at the transmission, resulting in a leak. Customers may notice a small amount of fluid leakage on the ground and/or a service engine soon indicator illuminated in the instrument panel. If the leak progresses, customers could experience reduced engine function and hard transmission gear shifting. Dealers are to inspect the TFC tubes at the transmission for the presence of a leak. If no fluid leak is present, dealers are to install a washer behind the TFC tubes attaching plate, per the Technical Information, which will reduce stress loading of the TFC tubes. If a fluid leak is present, dealers are to replace the TFC tubes and install the washer as described above.

### SERVICE PROCEDURE

1. Inspect for the presence of a transmission fluid leak from the TFC tubes at the transmission.
  - If a transmission fluid leak **is** detected, proceed to Step 2.
  - If a transmission fluid leak **is not** detected, proceed to Step 3.
2. Replace the TFC tubes. Please follow the Workshop Manual (WSM) procedures in Section 307-02.
  - During installation, install a *new* washer between the transmission case and the TFC tubes attaching plate. See Figure 1.
3. Install a *new* washer behind the TFC tubes attaching plate.
  - a. Remove and discard the TFC tubes-to-transmission bolt.
  - b. Install a *new* washer between the transmission case and the TFC tubes attaching plate. See Figure 1.
  - c. Install the *new* bolt and tighten to 18 lb.ft (25 Nm).

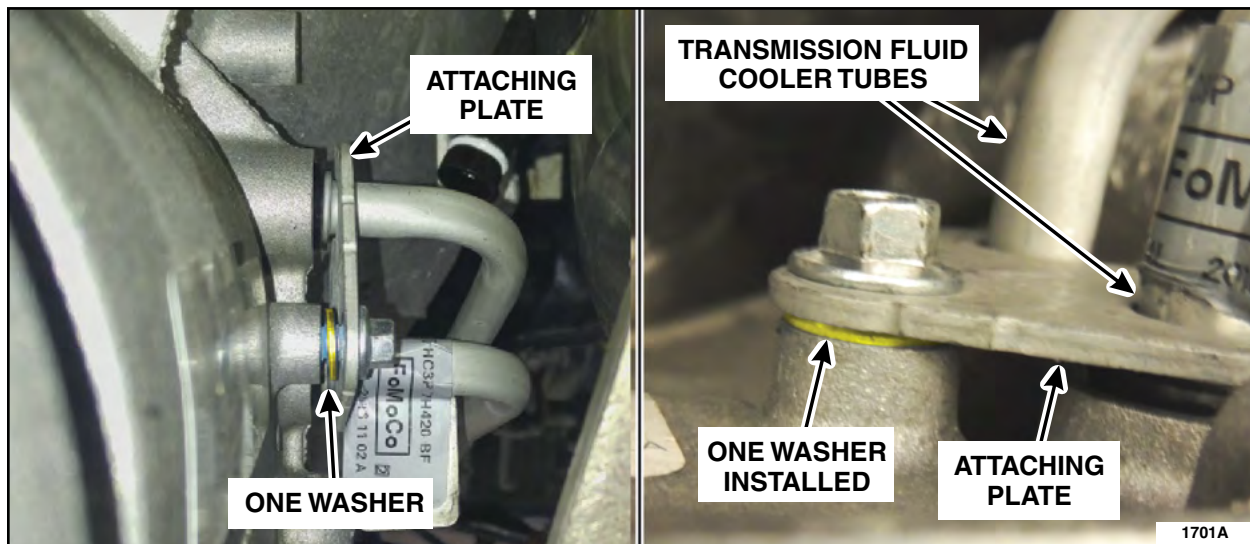


FIGURE 1

