

CERTAIN 2016 MODEL YEAR TAURUS, 2017 MODEL YEAR EXPLORER AND POLICE INTERCEPTOR UTILITY, AND 2016-2017 MODEL YEAR FLEX AND MKT VEHICLES EQUIPPED WITH A 3.5L ECOBOOST ENGINE — TURBOCHARGER OIL SUPPLY TUBE INSPECTION

OVERVIEW

In some of the affected vehicles, improperly brazed turbocharger oil supply tubes may leak engine oil on the turbocharger and surrounding components. An oil leak in the presence of an ignition source may increase the risk of fire. Dealers are to inspect the turbocharger oil supply tubes for leaks and replace if a leak is present.

SERVICE PROCEDURE

1. With the vehicle in NEUTRAL, position it on a hoist. Please follow the procedures in Workshop Manual (WSM) Section 100-02.

NOTE: Use the 12 Volt Master UV Diagnostic Inspection Kit 164-R0756 or equivalent (Leak Detector) to carry out the following procedure for oil leak diagnosis.

2. Add 29.6 ml (1 oz) of Dye-Lite® Gasoline Engine Oil Leak Detection Dye to a minimum of 0.47L (1/2 qt) and a maximum of 0.95L (1 qt) engine oil and fill through the engine oil fill. Thoroughly premix the gasoline engine oil leak detection dye or it will not have enough time to reach the crankcase, oil galleries and seal surfaces during this particular 15 minute test. The additive must be mixed well with oil and added through the oil fill. Check the level on the oil level indicator to determine what amount of oil to premix. If it is in the middle of the crosshatch area or below the full mark, use 0.95L (1 qt). If it is at the full mark, use 0.47L (1/2 qt).



3. Run the engine for 15 minutes. Stop the engine and inspect the RH and LH turbocharger oil supply tubes for leaks using the 12 Volt Master UV Diagnostic Inspection Kit 164-R0756 or equivalent (Leak Detector). A clear bright yellow or orange area will identify the leak. See Figure 1.

NOTE: The LH turbocharger oil supply tube can be inspected from above, and the RH turbocharger oil supply tube must be inspected from below with the vehicle positioned on a hoist.

- If a leak **is** found at either turbocharger oil supply tube, replace the tube. Please follow the procedures in WSM Section 303-04.
- If a leak **is not** found, verify the oil level is within the upper and lower oil indicator marks. Remove oil if it registers above the full mark. No additional service is required.

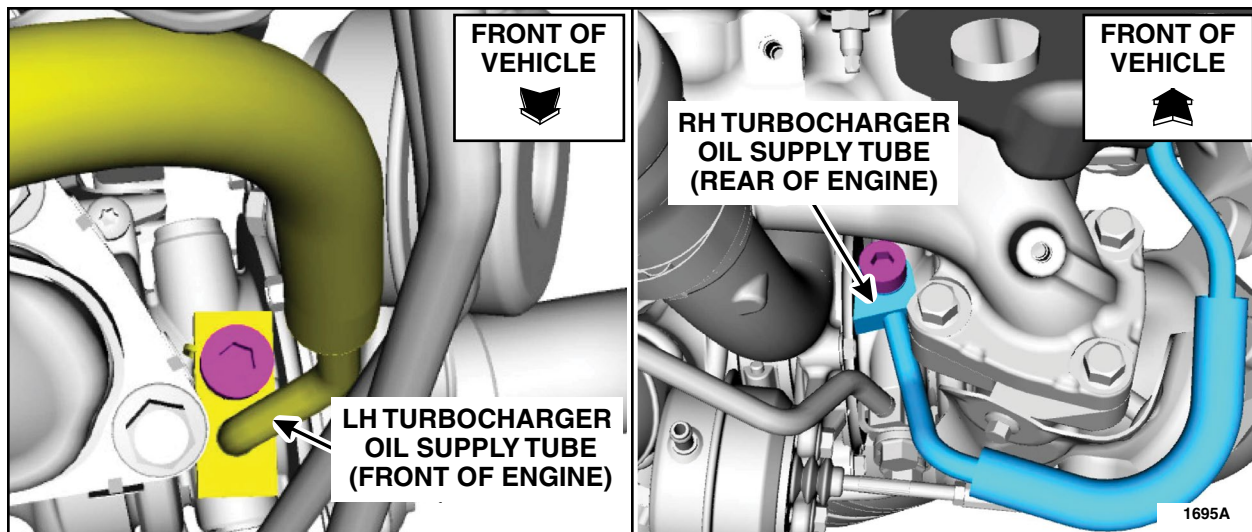


FIGURE 1

