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Title: DPFDP Sensor Tube Thread Repair Procedure

Applies To: 2007 and Later MaxxForce DT, 9, 10

DESCRIPTION

This article provides the steps for repairing the DPFDP Sensor Tube threading.

Preliminary DPFDP Sensor Tube Thread Repair Procedure



Issue: When removing DPFDP sensor tubes, threads from the fitting may strip.

1. Coat the flutes of an M14X1.5 Bottoming Tap with a high temp (2000F) anti-seize compound (*Figure 1*). This will help keep metal debris from falling in the DOC or DPF and ease the thread repair procedure.





Figure 1: Coat the Flutes

2. Clean/Repair Threads using the Bottoming Tap (*Figure 2*), not a Taper Tap (*Figure 3*). If resistance to the Tap is felt, alternate the direction of rotation back and forth until the Tap reaches the bottom of the bung (*Figure 4*).



Figure 2: Bottoming Tap



Figure 3: Taper Tap



Figure 4: Tap at Bottom of Bung

3. Use compressed air to blow any loose debris from the fitting (*Figure 5*).

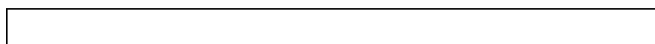




Figure 5: Blow with Compressed Air

4. Coat the threads of the new Sensor tube with a high temp (2000F) anti-seize compound (*Figure 6*).



Figure 6: Coat threads of Sensor Tube

5. Install Sensor Tube into fitting (*Figure 7*). Torque tube to 18lbs-ft. Verify after tightening the fitting, the Sensor Tube does not turn in the fitting. If tube is still loose, remove tube and check for debris and/or repeat procedure.



Figure 7: Completed Repair

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