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**Title: EPA 2007 thru 2009 MaxxForce 7 Crankcase Pressure**

**Applies To: 2007 to 2009 MaxxForce 7 engines**

## DESCRIPTION

Checking Crankcase pressure on 2007 thru 2009 MaxxForce 7 engine

## SYMPTOMS

- Poor performance
- Oil Leaks
- Bed Plate Leaks
- Oil carry over in the AMS (Air Managment System)

The tools used and the specification for checking the **Crankcase Pressure** have changed in the MaxxForce 7 engine. When checking crankcase pressure at the oil filler cap on the MaxxForce 7 engines use Tool **ZTSE4146** with adapter **ZTSE4284**. These tools listed were used with the 7.3L and T444E engines. The specification for the maximum blow-by is 9 in<sub>H</sub>2O. (inches of water) **NOTE:** The prodecdure has not changed just the tools and specification. You need to refer to the proper diagnostic manual for the procedures.

[Description of tool ZTSE4146 and ZTSE4284](#)

[2007 MaxxForce 7 diagnostic manual eges3502](#)

If you find that you have high crankcase pressure you need to follow the diagnostics to determine that it is not an issue being caused by another component. For example an Air Compressor, Turbo or plugged Charge Air Cooler. If you have performed all the diagnostics and they lead you to a base engine concern you then need to perform a manual compression test and open a case file. See the Iknow article for the proper procedure for checking manual compression.

[IK1200430- manual compression procedure for the V engine up to 2009](#)

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