

## Tool Instruction TEST COVER

4328435R1

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Tool Number: 12-454-04



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**Figure 1. 12-454-04 Test Cover**

### **Purpose**

Essential tool used to assist in leak testing the High-Pressure Fuel Pump (HPFP).

### **Application(s)**

2007 – 2010 MaxxForce<sup>®</sup> 7

## Application(s) (cont.)



**GOVERNMENT REGULATION:** Engine fluids (oil, fuel, and coolant) may be a hazard to human health and the environment. Handle all fluids and other contaminated materials (such as filters or rags) in accordance with applicable regulations. Recycle or dispose of engine fluids, filters, and other contaminated materials according to applicable regulations.



**WARNING:** To prevent property damage, personal injury, and / or death, read all safety instructions in the “Safety Information” section of the *Engine Service Manual* or *Engine Diagnostic Manual*.



**WARNING:** To prevent property damage, personal injury, and / or death, park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.





**WARNING:** To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.



**WARNING:** To prevent personal injury or death, whenever any fuel line (tubing) in the high-pressure fuel system is removed, it **MUST** be replaced with a new fuel line.

## Tool Contents

Table 1

Image	Tool Number	Qty	Description
 <p>0000407088</p>	12-454-04	1	Test Cover
 <p>0000160075</p>	4328435	1	Tool Instruction

## Instructions

**IMPORTANT:** Please reference International® Service Portal<sup>SM</sup> regarding any possible revisions to this document.

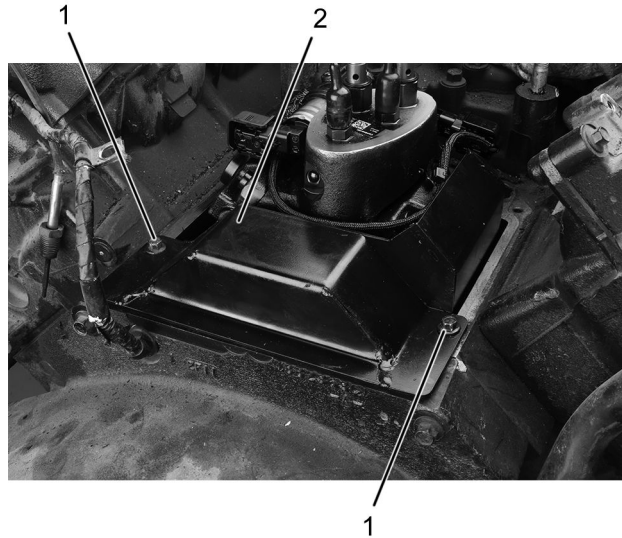
**NOTE:** The 15-637-01 Clean Fuel Source Tool is required for testing.

## Instructions (cont.)

1. Park vehicle on a flat surface.
2. Shift transmission to Park or Neutral and set parking brakes.
3. Install wheel chocks.

**NOTE: Install caps over HPFP fuel lines, and inlet and outlet ports.**

4. Access and remove High-Pressure Fuel Pump (HPFP) cover. Refer to service manual for detailed instruction.



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**Figure 2. 12-454-04 Test Cover**

1. Bolt (2)
  2. Cover
5. Align and position 12-454-04 Test Cover (Figure 2, Item 2). Using clean engine oil, lubricate and install two bolts (Figure 2, Item 1) securely into engine block.
  6. Remove caps and install HPFP fuel lines.
  7. Install previous removed exhaust components. Install shop exhaust hose to vehicle tailpipe.
  8. Connect 15-637-01 Clean Fuel Source Tool to fuel filter housing supply and return ports.
  9. Perform leak test. Refer to Engine Diagnostic Manual for detailed procedures.

**NOTE: Install caps over HPFP fuel lines, and inlet and outlet ports.**

10. Remove necessary components, and remove 12-454-04 Test Cover (Figure 2, Item 2).

**⚠ WARNING: To prevent personal injury or death, whenever any fuel line (tubing) in the high-pressure fuel system is removed, it MUST be replaced with a new fuel line.**

11. Remove and discard fuel lines from HPFP.
12. Install High-Pressure Fuel Pump (HPFP) cover.

## **Instructions (cont.)**

13. Install new HPFP fuel lines.

**NOTE: Install required gaskets and / or seals to any previously removed components.**

14. Install any previously removed components necessary to access HPFP cover. Refer to service manual for detailed instruction.

15. Remove wheel chocks.

## **Contact Information**

If you would like to order additional tools or need replacement parts, please refer to the Navistar Service Tool Catalog. If you have questions, concerns, or feedback, please contact Navistar Service Tool Support Center:

- Submit a Service Tool iKNow Case File.
- Phone: 800-365-0088 (toll free).