

Tool Instruction Combustion in Cooling System Tester Kit

4328235R3

Tool Number: 09-889-01



0000310310

Figure 1. 09-889-01 Combustion in Cooling System Tester Kit.

Purpose

Essential tools used in testing for signs of combustion gas present in coolant system.

Application(s)

MaxxForce® DT, 9, and 10 (EPA 10)
MaxxForce® DT, 9, and 10 (EPA 10) with HD-OBD
Navistar® N9 and N10 (EPA 10)
MaxxForce® 7 (EPA 10)
MaxxForce® 7 (EPA 10) with HD-OBD
MaxxForce® DT, 9, and 10 (EPA 07)
MaxxForce® 7 (EPA 07)
MaxxForce® 5 (EPA 07)
DT466, DT570, HT570 (EPA 04)
VT275 (EPA 04)
VT365 (2002 to 2006)
DT466, DT530 (2000 to 2003)
T444E (1997 to 2003)



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 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.

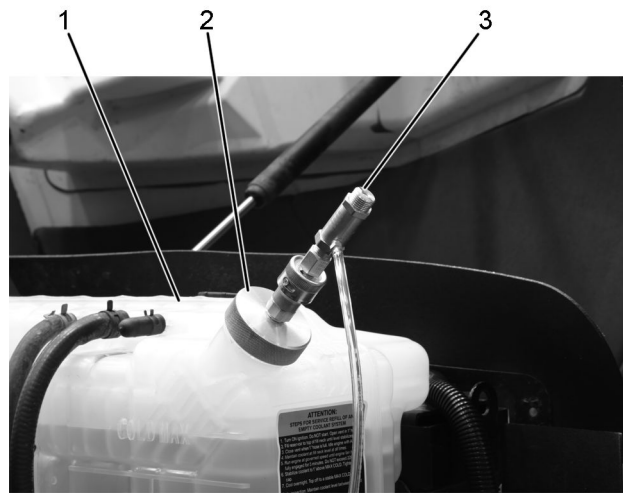
Tool Contents

Table 1

Tool Contents (cont.)

Image	Tool Number	Qty	Description
 <p>0000310294</p>	09-889-01-01	1	Combustion Tester
 <p>0000310301</p>	09-889-01-02	1	Case with Foam
 <p>0000310241</p>	KL5004	1	Cap Adapter
 <p>0000160075</p>	4328235R1	1	Tool Instruction

Instructions



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Figure 2. Combustion Coolant Tester.

1. Deaeration tank
2. Cap adapter
3. Combustion tester

1. Bring vehicle into shop and park on flat surface.
2. Shift transmission to Park or Neutral, set parking brake, and install wheel chocks.
3. Unlatch and open hood.
4. Remove cap from deaeration tank and fill cooling system to proper level.
5. Install cap adapter (Figure 2, Item 2) and combustion tester (Figure 2, Item 3) onto deaeration tank (Figure 2, Item 1).

Instructions (cont.)



0000310328

Figure 3. Test Beaker.

1. Test beaker
 2. Combustion tester tube
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6. Obtain test beaker (Figure 3, Item 1). Using clean tap water, fill test beaker half full and place on a stable surface.
 7. Insert combustion tester tube (Figure 3, Item 2) sufficiently into water.
 8. Refer to appropriate service manual, service bulletin, or equivalent for detailed instruction.
 9. Remove cap adapter and combustion tester from deaeration tank. Install deaeration tank cap.
 10. Close and latch hood.
 11. 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).