

Tool Instruction IPR Blockoff Adapter With Integrated ICP Sensor Kit

4328245R1

Tool Number: 12-999-01-07



0000319481

Figure 1. 12-999-01-07 Injection Pressure Regulator (IPR) Blockoff Adapter with Integrated Injection Control Pressure (ICP) Sensor Kit.

Purpose

Essential tools used for testing high pressure oil system.

Application(s)

MaxxForce® DT (EPA 07)

MaxxForce® 9 (EPA 07)

MaxxForce® 10 (EPA 07)

MaxxForce® DT (EPA 10)

MaxxForce® 9 (EPA 10)

MaxxForce® 10 (EPA 10)

Navistar® N9

Navistar® N10



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

Image	Tool Number	Qty	Description
 <p>0000319501</p>	12-999-01-05	1	CPA Extension Cable
 <p>0000319541</p>	12-999-01-07A	1	IPR Blockoff Harness

Tool Contents (cont.)

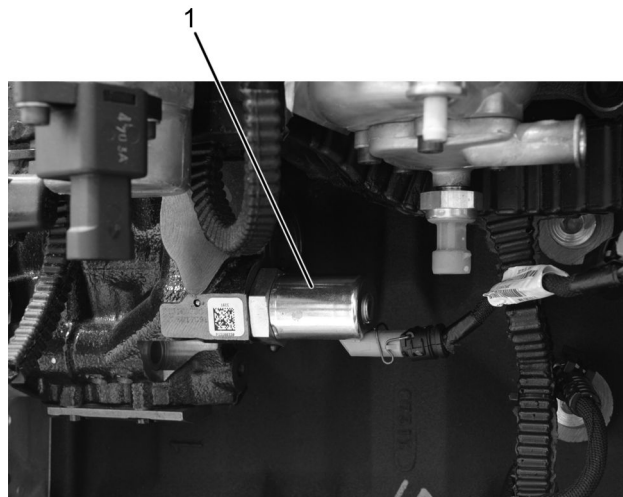
Table 1. (cont.)

Image	Tool Number	Qty	Description
 <p>0000319521</p>	12-999-01-07B	1	Adapter, IPR Blockoff
 <p>0000319661</p>	12-999-01-07C	1	Plug, O-ring Face Seal - 10
 <p>0000319641</p>	12-999-01-07D	1	Plug, O-ring Face Seal - 8
 <p>0000320141</p>	12-999-01-07E	1	Replacement O-ring Kit
 <p>0000160075</p>	4328245R1	1	Tool Instruction

Instructions

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. Open hood.

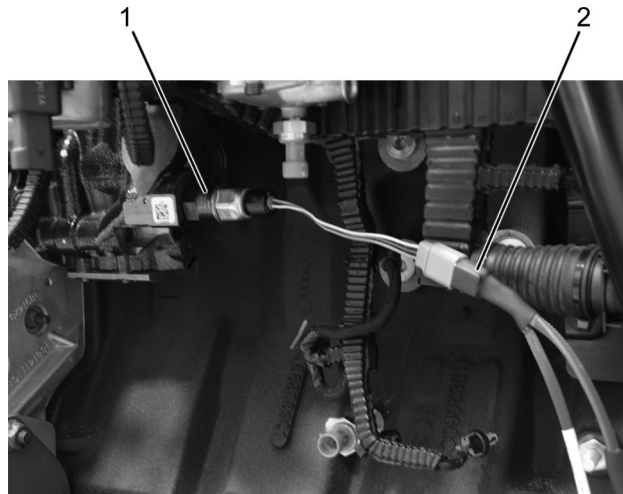
Instructions (cont.)



0000319701

Figure 2. IPR Valve.

1. Injection Pressure Relief (IPR) valve
2. IPR valve
3. IPR valve
4. Access Injection Pressure Regulator (IPR) valve (Figure 2, Item 1).
5. Remove IPR valve.



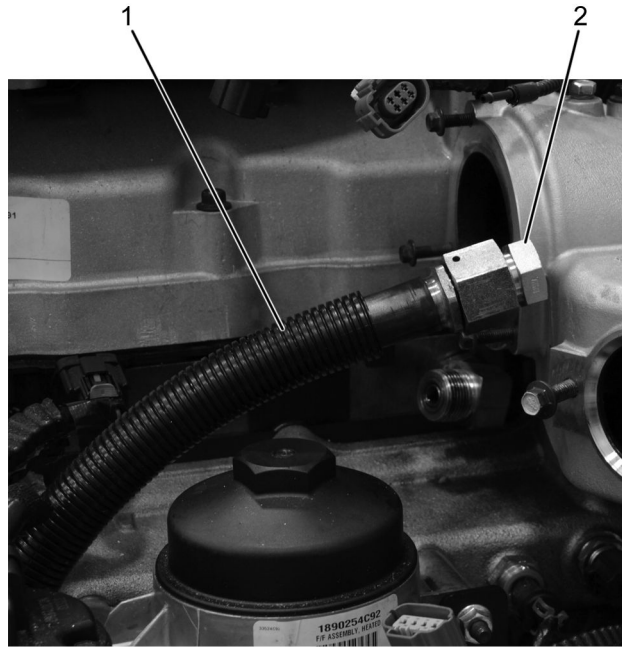
0000319721

Figure 3. IPR Blockoff Adapter.

1. IPR blockoff adapter
2. IPR blockoff harness
3. IPR blockoff harness
4. IPR blockoff harness
5. IPR blockoff harness
6. Install IPR blockoff adapter (Figure 3, Item 1).
7. Connect IPR blockoff harness (Figure 3, Item 2) to adapter.

Instructions (cont.)

8. Connect IPR blockoff harness to 12-999-01-05 CPA extension cable.
9. Refer to appropriate service manual, service bulletin, or equivalent for detailed test instructions.



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Figure 4. O-ring Face Seal Plug.

1. HPOP hose
 2. O-ring face seal plug
10. If necessary, disconnect High Pressure Oil Pump (HPOP) hose (Figure 4, Item 1).
- NOTE: Ensure that face seal O-ring is installed before proceeding.**
11. If necessary, install appropriate sized plug (Figure 4, Item 2) to HPOP hose.
 12. Refer to appropriate service manual, service bulletin, or equivalent for detailed test instructions.
- NOTE: Ensure that HPOP outlet O-ring is installed before proceeding.**
13. If installed, remove O-ring face seal plug and connect HPOP hose.
 14. Disconnect IPR blockoff harness (Figure 3, Item 2) from 12-999-01-05 CPA extension cable.
 15. Remove IPR blockoff adapter (Figure 3, Item 1).
 16. Clean and store essential tools in 12-999-01 CPA Tool Kit storage bag.
 17. Install O-ring to IPR valve.
 18. Install IPR valve (Figure 2, Item 1). Refer to appropriate service manual, service bulletin, or equivalent for detailed instruction.
 19. Close and latch hood.
 20. 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).