

Tool Instruction FUEL SYSTEM BLOCK-OFF SET

4328374R1

Tool Number: 15-643-01



0000390362

Figure 1. 15-643-01 Fuel System Block-Off Set.

Purpose

Essential tool utilized to block off fuel lines and / or Liquid Petroleum Delivery Module (LPDM) during service of the fuel system. The fuel system block-off set prevents fuel from escaping the system, as well as contamination caused by dirt / debris.

Application(s)

2015 PSI 8.8L Engine



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, **ALWAYS** wear Personal Protective Equipment (PPE) when interacting with the propane autogas system. Escaping propane can cause severe frostbite and freeze burn.

! WARNING: To prevent property damage, personal injury, and / or death, **DO NOT** vent or release propane indoors or near sewers, pits or low lying areas. Propane can accumulate in low spots, creating a fire hazard. Propane can also displace oxygen, creating a suffocation hazard. Propane systems should be serviced in a properly ventilated area.

! WARNING: To prevent property damage, personal injury, and / or death, keep all sources of ignition away from propane autogas vehicles while the fuel system is being serviced. Even if the tank and fuel lines are empty, flammable vapors could be present near the vehicle.

! 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.

CAUTION: To prevent component / tool damage, use care when threading plug / cap into vehicle components. The threads are very fine and can easily be damaged.

Tool Contents

Table 1

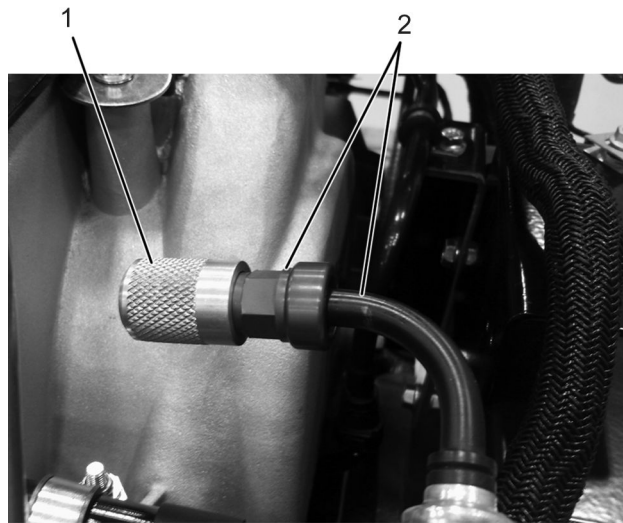
Image	Tool Number	Qty	Description
 <p>0000390363</p>	15-643-01	1	Fuel Block-Off Plug / Cap
 <p>0000160075</p>	4328374R1	1	Tool Instruction

Instructions

1. Bring vehicle into shop and park on flat surface.
2. Shift transmission to Park or Neutral, and set parking brake.
3. Install wheel chocks.
4. Perform fuel line purge procedure. Refer to service manual, service bulletin, or equivalent for detailed instruction.
5. Unlatch and open hood.

Instructions (cont.)

Fuel Line — Engine Application



0000390361

Figure 2. Fuel Line.

1. Cap
2. Fuel line

1. Disconnect fuel line at rail. Refer to service manual, service bulletin, or equivalent for detailed instruction.

CAUTION: To prevent component / tool damage, use care when threading plug / cap into vehicle components. The threads are very fine and can easily be damaged.

2. Using clean motor oil, lubricate fuel line fitting O-rings. Refer to service manual, operator maintenance manual, or equivalent for oil specifications.
3. Install cap (Figure 2, Item 1) onto fuel line (Figure 2, Item 2). Hand tighten only.
4. If necessary, repeat on opposite side.
5. Perform service procedure / repair. Refer to service manual, service bulletin, or equivalent for detailed instruction.
6. After procedure / repair is complete, remove cap from fuel line.
7. Connect fuel line at rail. Refer to service manual, service bulletin, or equivalent for detailed instruction.
8. After procedure / repair is complete, close and latch hood, and remove wheel chocks.

Instructions (cont.)

Fuel Line — Tank Application

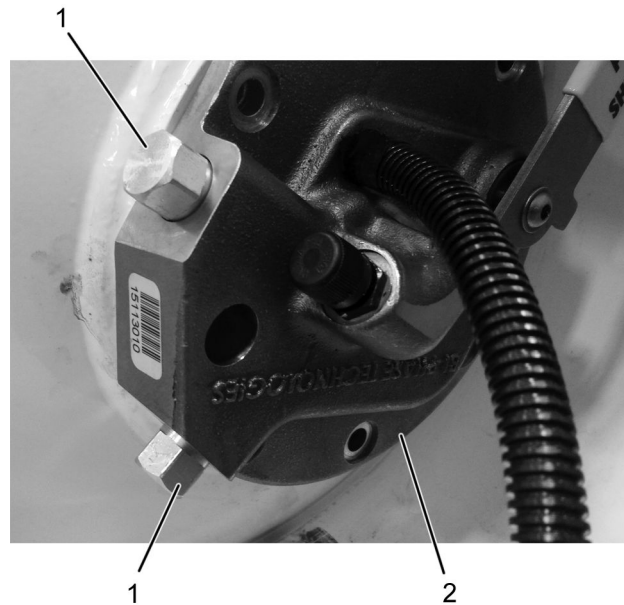


Figure 3. Liquid Petroleum Delivery Module (LPDM).

1. Plug (2)
2. LPDM

1. Disconnect fuel line at LPDM (Figure 3, Item 2). Refer to service manual, service bulletin, or equivalent for detailed instruction.

CAUTION: To prevent component / tool damage, use care when threading plug / cap into vehicle components. The threads are very fine and can easily be damaged.

2. Using clean motor oil, lubricate block-off plug O-rings. Refer to service manual, operator maintenance manual, or equivalent for oil specifications.
3. Install plug (Figure 3, Item 1) into LPDM. Hand tighten only.
4. If necessary, repeat for opposite fuel line.
5. Perform service procedure / repair. Refer to service manual, service bulletin, or equivalent for detailed instruction.
6. After procedure / repair is complete, remove plug(s) from LPDM.
7. Connect fuel line at LPDM. Refer to service manual, service bulletin, or equivalent for detailed instruction.
8. After procedure / repair is complete, 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).