

Tool Instruction DEF Doser Cleaning Kit

4328208R1

Tool Number: 18-200-01



0000291010

Figure 1. DEF Doser Cleaning Kit.

Purpose

Use to flush contaminated diesel exhaust fluid (DEF) from supply module. Also validates performance of the DEF dosing system based on flow volume over a fixed time period.

Application(s)

N13 with SCR



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 or death, read all safety instructions in the Safety Information section of the Service and Diagnostic Engine Manuals for the engine model being serviced.

! WARNING: To prevent personal injury or death, do not let engine fluids stay on your skin. Clean skin and nails using hand cleaner and wash with soap and water. Wash or discard clothing and rags contaminated with engine fluids.

! WARNING: 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. Failure to comply may result in property damage, personal injury, and / or death.

! WARNING: To prevent personal injury or death, allow engine to cool before draining coolant.

! WARNING: To prevent personal injury or death, keep away from children and pets. Coolant is toxic. If not reused, dispose of in accordance with local environmental regulations.

! WARNING: To prevent personal injury or death, when inspecting or performing service or repairs on the fuel system, to reduce the possibility of fire and resulting severe personal injury, death or property damage, never smoke or allow sparks or flames (such as pilot lights, electrical switches, or welding equipment) in the work area.

! WARNING: Always wear safe eye protection when performing vehicle maintenance. Failure to comply may result in personal injury and / or death.

! WARNING: DEF contains urea. Do not get the substance in your eyes. In case of contact, immediately flush eyes with large amounts of water for a minimum of 15 minutes. Do not swallow. In the event the DEF is ingested, contact a physician immediately. Reference the materials safety data sheet (MSDS) for additional information.




! WARNING: Batteries can emit explosive gases. To reduce the possibility of personal injury, always ventilate the compartment prior to servicing the batteries. To reduce the possibility of arcing, remove the negative (-) battery cable first and attach the negative (-) battery cable last.

! WARNING: The DEF line connecting the aftertreatment DEF dosing unit tank to the aftertreatment dosing unit is under low pressure and should not be disconnected while the engine is running or before the system has completed the purge process after engine shutdown. Disconnecting the DEF line while under low pressure could cause DEF to spray.



CAUTION: To prevent damage to the vehicle or engine, read all safety instructions in the Safety Information section of the Service and Diagnostic Engine Manuals for the engine model being serviced.

Tool Contents

Table 1

Image	Tool Number	Qty	Description
 <p data-bbox="386 594 496 615">0000290967</p>	18-200-01-01	1	Flush Bottle
 <p data-bbox="386 911 496 932">0000290955</p>	18-200-01-02	1	Supply Module Block Off Connector
 <p data-bbox="386 1230 496 1251">0000290946</p>	18-200-01-03	3	Cap Plugs

Tool Contents (cont.)

Image	Tool Number	Qty	Description
 <p>0000291945</p>	18-200-01-04	1	12-pin Extension Harness
 <p>0000160075</p>	4328208R1	1	Tool Instructions

Component Description

- **18-200-01-01 Flush Bottle:** Used with doser pump override test to flush DEF supply module.
- **18-200-01-02 Supply Module Block Off Connector:** Installed in module connector cavity whenever unit is disconnected to prevent DEF contamination of electrical connector.
- **18-200-01-03 Protective Cap Plugs:** Installed over fluid connectors while brushing / rinsing DEF supply module to prevent contamination.
- **18-200-01-04 12-pin Extension Harness:** Allows DEF supply module to operate remotely for testing / flushing functions.

Instructions

1. Refer to appropriate engine diagnostic manual for DEF doser cleaning procedures and tool removal procedure.

CAUTION: DEF is corrosive to many types of metal. After testing, drain all fluids from tools, and thoroughly rinse tubing and any components contaminated with DEF using distilled water.

2. Wipe tools dry with a clean rag before storing.

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](#):

- Phone: 800-365-0088 (toll free) or 630-985-4171.
- Submit a Service Tool iKNOW Case File.