



Cummins DEF Header Cleaning Process

Please See Operators and Service Manual for additional information.

ALL Work Must be performed by a factory trained technician to prevent injury. This manual is not intended to replace the service manual but to assist with additional information.





WARNING

Unexpected machine movement may cause a serious accident. When inspecting the machine while the engine is running, always follow the instructions below.

- Park the machine on level, flat ground.
- Apply the parking brake.
- Set chocks in front and behind each drum or tire.
- Make sure that service personnel are given the appropriate information at the appropriate time.
- Make sure that no one can enter any hazardous area.

CAUTION

Do not work on the hydraulic system while the engine is running and the system is hot and under pressure. Do not disconnect hydraulic hoses or fittings until the system has cooled and pressure has been properly relieved.

Before removing any plugs from the pressure measurement ports, always release any residual pressure from the piping and open the cap of the fluid tank to release and pressure.

WARNING

Inadvertent starting the engine may cause a serious accident.

When inspecting the engine, make sure to exchange the appropriate cues and hand signal with the person at the operator station to avoid any accidents.

CAUTION

Before inspecting inside of the engine compartment, always stop the engine.

Contact with the fan, V-belt or exhaust system parts while the engine is running may cause serious injury.



Tools Required to perform DEF Header Cleaning Process:

1. 11mm Wrench
2. Wire Cutters
3. Pocket Screw Driver







Use an 11mm wrench to remove all 6 bolts from DEF Header mounting plate.





Using wire cutters. Cut both wire ties on the rubber boot.



Use the Pocket screw driver to bend the rubber tabs of the sensor boot and slide boot off of sensor bracket.



With rubber boot removed.
Locate DEF Quality sensor.



Spray Brake Clean on the face of the DEF Quality sensor. Removing the presence of contaminated DEF from the face of the DEF Quality Sensor.



After DEF sensor has been cleaned. Fill container with known good DEF Fluid. Submerge DEF Quality sensor end of assembly inside the container overnight. After sensor has set overnight in DEF fluid, remove from container. Reinstall rubber boot over sensor and place zip ties around boot. Reinstall header into tank using mounting plate and 6 bolts. Test unit.

