

Tool Instruction DEF Deposit Cleaning Kit

4328880R1

Tool Number: 18-859-01



0000478450

Figure 1. DEF Deposit Cleaning Kit

Purpose

Essential tool used to remove built-up DEF deposits in the aftertreatment silencer case.

Application(s)

2024 International[®] S13 Integrated Powertrain and 2024 International[®] S13 Engine. Other applications may apply.

Application(s) (cont.)



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, or damage to property, read all safety instructions in the “Safety Information” section of the *Engine Service Manual* or *Engine Diagnostic Manual*.



WARNING: To prevent personal injury and / or death, or damage to property, 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.



WARNING: To prevent personal injury and / or death, or damage to property, inspect tool for wear / damage prior to use. Replace any worn or damaged components as necessary.

Tool Contents

Table 1

Image	Tool Number	Qty	Description
 <p>0000478451</p>	18-859-01	1	DEF Deposit Cleaning Kit
 <p>0000160075</p>	4328880R1	1	Tool Instruction

Additional Tools Required:

Pressure Washer

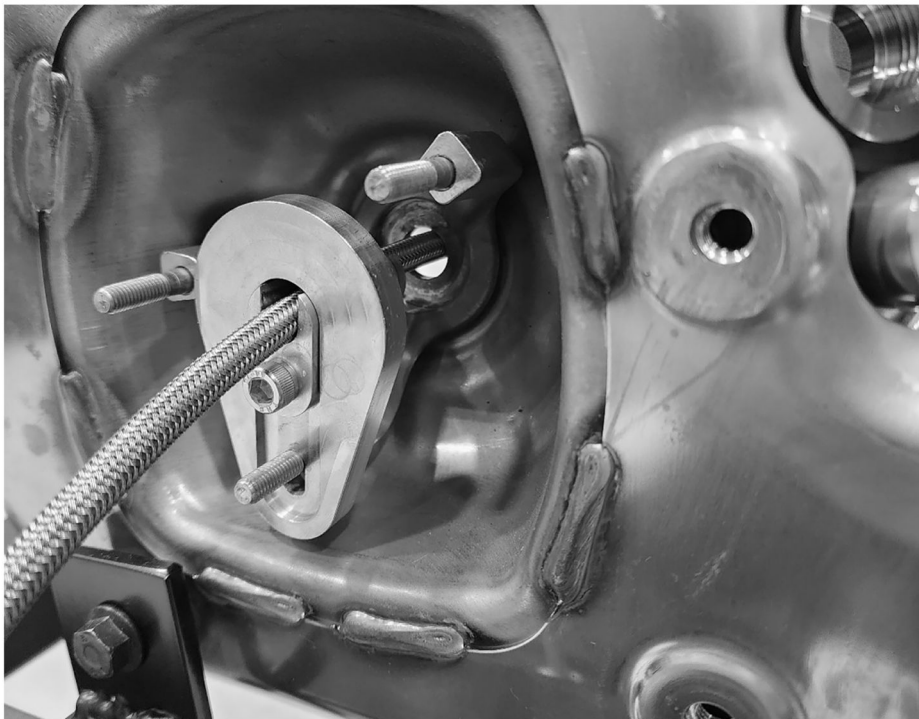
Instructions

IMPORTANT: Please reference International® Service PortalSM regarding any possible revisions to this document.

Refer to appropriate Service Manual for detailed Instructions.

Tool Installation:

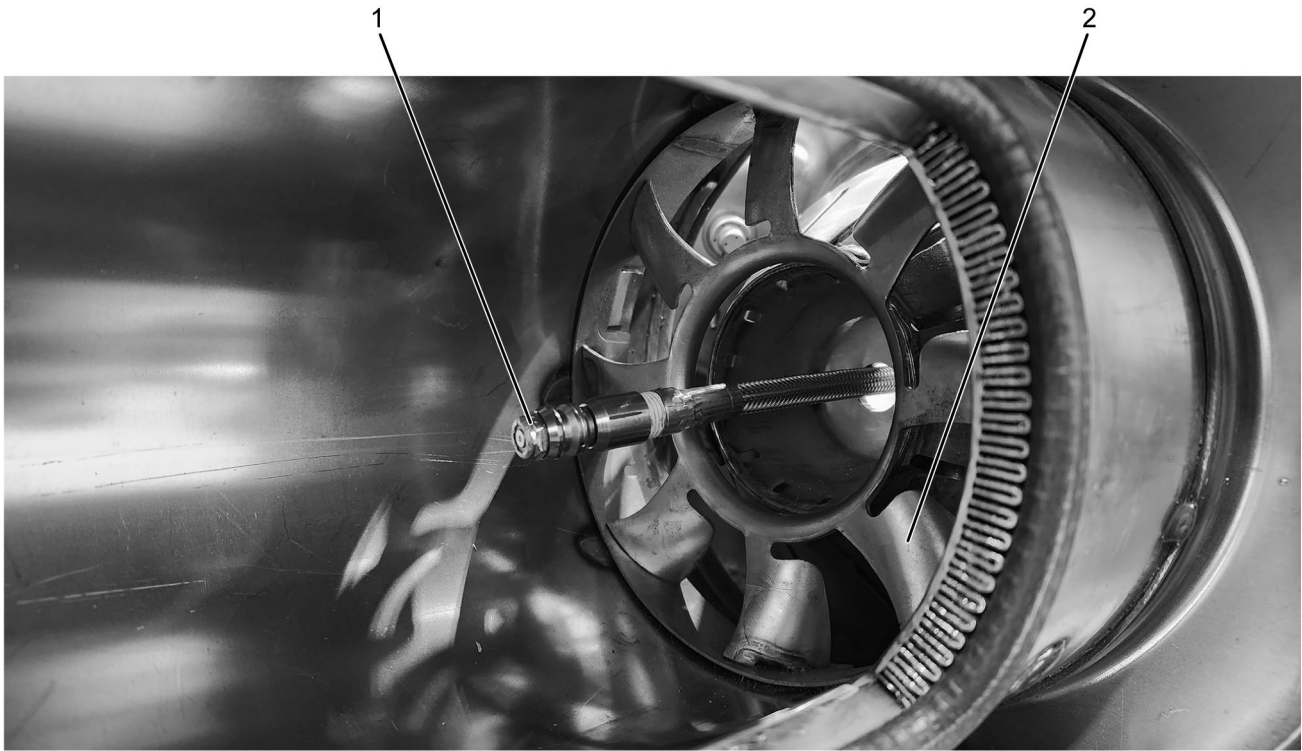
1. Remove DEF Doser and NOx sensor from aftertreatment silencer case.
2. Remove cover from outside of particulate filter.
3. Before installing tool, ensure proper depth is set by measuring location of hose clamp. Hose clamp should be approximately 6.5 inches from the tip of tool. Adjust as necessary.



0000478452

Figure 2. DEF Deposit Cleaning Kit

Instructions (cont.)



0000478453

Figure 3. DEF Deposit Cleaning Kit

1. DEF deposit cleaning tool tip
2. Exhaust mixer
3. With DEF doser removed, insert cleaning tip into doser hole and secure tool bracket with original hardware to DEF doser mounting post.
4. With DEF doser removed, insert cleaning tip into doser hole and secure tool bracket with original hardware to DEF doser mounting post.
5. With pressure washer turned off and not operating, install 1/4-inch quick connect fitting into tip of original pressure washer wand.

Tool Removal:

1. With pressure washer turned off and not operating, disconnect quick fitting at tip of pressure washer wand from tool.
2. Remove hardware securing tool bracket, and remove tool from DEF doser hole.
3. Ensure hose is drained before storing.

Care and Maintenance

- Keep tools clean and free of contaminants.
- Replace any damaged components.

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).