

Tool Instruction Pressure Gauge Adapter

4328212R1

Tool Number: 18-538-01



0000292650

Figure 1. 18-538-01 Pressure Gauge Adapter.

Purpose

Converts diesel oxidation catalyst (DOC) and diesel particulate filter (DPF) aftertreatment temperature sensor ports to 1/8 in NPT (pipe thread) so that a standard pressure gauge can be used to measure exhaust pressure.

Application(s)

N13 with SCR

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

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.

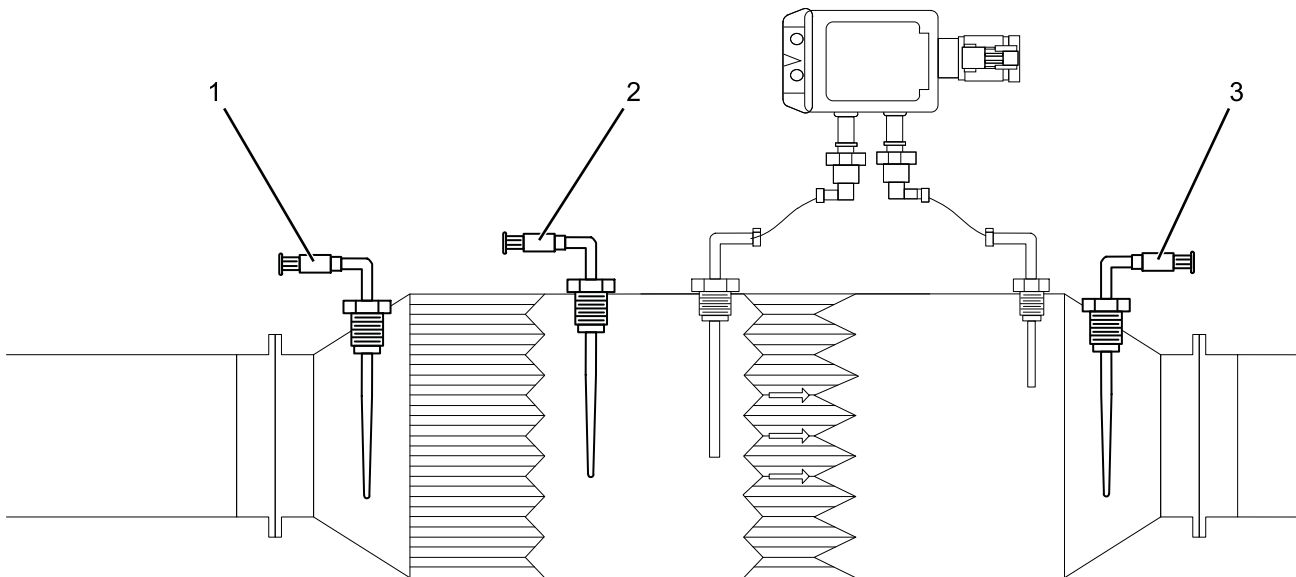
Tool Contents

Table 1

Image	Tool Number	Qty	Description
 <p>0000292651</p>	18-538-01	1	Pressure Gauge Adapter
 <p>0000160075</p>	4328212R1	1	Tool Instructions

Tool Contents (cont.)

Instructions



0000292649

Figure 2. DOC / DPF Sensor Locations.

1. Diesel oxidation catalyst inlet temperature (DOCIT) sensor
2. Diesel particulate filter inlet temperature (DPFIT) sensor
3. Diesel particulate filter outlet temperature (DPFOT) sensor

NOTE: Disconnecting the aftertreatment sensor(s) may trigger fault codes. Do not troubleshoot these fault codes during this exhaust restriction measurement.

1. Remove appropriate aftertreatment exhaust gas temperature sensor (Figure 2, Item 1, 2, or 3) from aftertreatment component(s) and disconnect it from wiring harness.
2. Install 18-538-01 Pressure Gauge Adapter into temperature sensor fitting being tested.
3. Connect a Pressure Gauge or Water Manometer (ZTSE4409, ZTSE2217A or equivalent), and zero the measuring instrument.

CAUTION: Using a metal extension or heat-resistant sleeve, protect gauge hose from exhaust pipe heat.

4. Operate engine at rated load and speed, recording pressure gauge or manometer reading.
5. If exhaust pressure exceeds specifications, inspect aftertreatment system for a restricted DOC and / or DPF. Refer to appropriate Exhaust System Service Manual for repair procedures.
6. Remove test equipment and install removed sensor. Operate engine and verify that all fault codes are inactive.

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)
- Submit a Service Tool iKNOW Case File.