

DIESEL COMPRESSION TESTER

Item Number W89735

OWNER'S MANUAL



Performance Tool®

▲WARNING

It is the owner and/or operators' responsibility to study all WARNINGS, operating, and maintenance instructions contained on the product label and instruction manual prior to operation of this product. The owner/operator shall retain product instructions for future reference.

The owner and/or operator are responsible for maintenance, maintaining all decals or warning labels and while in use, maintaining the unit in good working order. If the owner and/or operator are not fluent in English, the product warnings and instructions shall be read and discussed with the operators' native language by the purchaser/owner or his designee. Make sure that the operator comprehends its contents. Safety information shall be emphasized and understood prior to usage. The product shall be inspected per the operating instructions.

Users of this product must fully understand these instructions. Each person operating this product must also be of sound mind and body and must not be under the influence of any substance that might impair their vision, dexterity or judgment.

Protect yourself and others by observing all safety information.

Failure to comply with instructions could result in personal injury and/or property damage!

Please read these instructions carefully and retain them for future use.

SAFETY GUIDELINES / DEFINITIONS

PRIOR TO USING THIS PRODUCT, READ AND UNDERSTAND ALL INSTRUCTIONS AND SAFETY PRECAUTIONS AS OUTLINED IN THE VEHICLE MANUFACTURER'S MANUAL AND ENGINE DIAGNOSTIC/REPAIR MANUALS. This instruction manual is intended for your benefit. Please read and follow the safety, installation, maintenance and troubleshooting steps described within to ensure your safety and satisfaction. The contents of this instruction manual are based upon the latest product information available at the time of publication. The manufacturer reserves the right to make product changes at any time without notice.

▲ WARNING: Read and understand this entire instruction manual before attempting to assemble, install, operate or maintain this product. Failure to comply with the instructions may result in serious personal injury and/or property damage!

The following signal words are used to emphasize safety warnings that must be followed when using this product:

▲ DANGER Indicates an imminently hazardous situation that, if not avoided, WILL result in death or serious injury.

▲ WARNING Indicates a potentially hazardous situation that, if not avoided, COULD result in death or serious injury.

▲ WARNING DO NOT operate this product if damaged during shipment, handling or misuse. Before each use, inspect the general condition of the Engine Compression Tester Set. Check for cracks, breaks, or bends in the equipment, damaged Gauge Hose (1), and any other condition that may affect its safe operation. If a problem occurs with the equipment, immediately discontinue its use and have the problem corrected before further use. Do not use damaged equipment.

▲ CAUTION Indicates a potentially hazardous situation that, if not avoided, MAY result in minor or moderate injury.

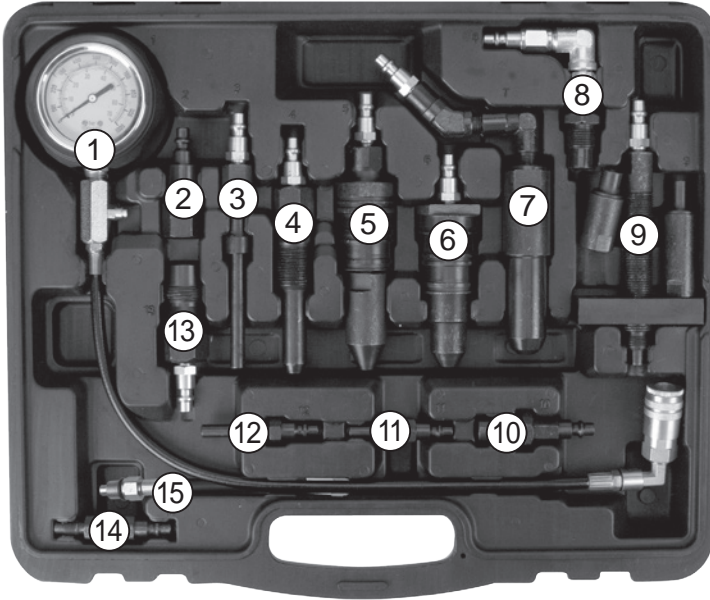
▲ NOTICE Indicates important information, which if not followed, MAY cause damage to equipment.

IMPORTANT SAFETY INFORMATION

▲ WARNING
READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS PRODUCT. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID WARRANTY.

1. **KEEP WORK AREA CLEAN AND DRY.** Cluttered, or wet work areas invite injuries.
2. **KEEP CHILDREN CLEAR OF WORK AREA.** Do not allow children to handle this product.
3. **STORE IDLE EQUIPMENT.** When not in use, tools and equipment should be stored in a dry location to inhibit rust. Always lock up tools and equipment and keep out of reach of children.
4. **DO NOT USE THIS PRODUCT IF UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to use this product.
5. **USE EYE PROTECTION.** Wear ANSI approved safety glasses when using this or any other testing equipment.
6. **DRESS SAFELY.** Non-skid footwear or safety shoes should be worn. Do not wear loose clothing or jewelry as they can become caught in moving parts. Wear a protective hair covering to prevent long hair from becoming caught in moving parts.
7. **DO NOT OVERREACH.** Keep proper footing and balance at all times to prevent injury.
8. **STAY ALERT.** Use common sense and watch what you're doing at all times. Do not use this product when you are tired or distracted from the job at hand.
9. **CHECK FOR DAMAGED PARTS.** Before using this product, check for damaged parts and any other conditions that may affect the operation of this product. Insure that it will operate properly and perform its intended function. Replace or repair damaged or worn parts immediately.
10. **MAINTAIN THIS PRODUCT WITH CARE.** Keep this tool clean and dry after each use for better and safer performance.
11. **USE THE RIGHT PRODUCT FOR THE RIGHT JOB.** There are certain applications for which this product was designed. Do not use small equipment, tools or attachment to do the work of larger industrial equipment, tools or attachments. Do not use this product for a purpose for which it was not intended.

PARTS LISTING



| No. | Description | No. | Description |
|-----|-------------------|-----|-------------|
| 1 | Compression Gauge | 8 | Adapter |
| 2 | Adapter | 9 | Adapter |
| 3 | Adapter | 10 | Adapter |
| 4 | Adapter | 11 | Adapter |
| 5 | Adapter | 12 | Adapter |
| 6 | Adapter | 13 | Adapter |
| 7 | Adapter | 14 | Adapter |
| | | 15 | Adapter |

APPLICATIONS

| No. | Application | Engine | Testing Port | Thread |
|-----|-------------|---|---------------|--------|
| 2 | Bacharach | Allow a Bachrach brand adapter to be used without tester. | | |
| 3 | Case, J. I. | 70 Series, 188 & 207 C.I.D. pencil nozzle | Fuel Injector | |
| | Caterpillar | 1100 and 3208 series | Fuel Injector | |
| | Deer, John | Early 300, 400 & 500 series, 276, 404 & 531 C.I.D. | Fuel Injector | |
| | Waukesha | D155D | Fuel Injector | |
| 4 | Caterpillar | "Capsule" type nozzle including models D-336, 1674, 1676, 3406, 3408 & 3412 | Fuel Injector | |

APPLICATIONS

| No. | Application | Engine | Testing Port | Thread |
|-----|------------------------------|--|---------------|-------------------------|
| 5 | Cummins | These 5.5 bore engines: NH (855 cubic inches) V-6, V-8, V-12 & 903 V-8 Cylindrical PTB | Fuel Injector | |
| 6 | Cummins | V-185, V210, V225, V555, VT-255, VT555 | Fuel Injector | |
| 7 | Detroit Diesel | 53, 71, 92, 110, 149, V53, V71 with low or high clamp injector hold down | Fuel Injector | |
| 8 | Mercedes Benz | 12mm is for Model 300 & 300 Turbo diesel from 1978 and the 250 & 350 Turbo models. 18mm is for all regular Mercedes Benz engines & model 300 prior to 1978 | Glow plug | 12mm-1.25 and 18mm-1.50 |
| 9 | Allis Chalmers | 6000, 7000, 10000 & 11000 | Fuel Injector | |
| | Bedford | 200, 220, 300, 330 & 466 | Fuel Injector | |
| | Case, J. I. | All models not using pencil nozzle | Fuel Injector | |
| | Deere, John | 404, 466, 531 & 619 | Fuel Injector | |
| | Fiat Allis | 8035-02-300, 8035-02-301, 8035-02-302, 8045-02 & 8045-03 | Fuel Injector | |
| | Ford Tractor | All | Fuel Injector | |
| | International Harvester | D/DT 361, D/DT 429, DV 462, DV/DVT 550, DT/DV/DVT 573, 361, 407 | Fuel Injector | |
| | Mack Truck | END 405, 457, 475, 510, 519, 605, 672, 673, 674, 711, 864 ENDT-673, 675, 676, 865, 866 | Fuel Injector | |
| | Onan | DSL, MSDL | Fuel Injector | |
| | Waukesha | These 5.5" bore engines: NH(855 cubic inches), V-6, V-8, V-12 & 903 V-8 Cylindrical PTB | Fuel Injector | |
| 10 | BMW | 2.4 liter | Glow plug | 12-1.25mm |
| | Lincoln Continental Mark VII | 1984 and 1985 car models | Glow plug | 12-1.25mm |
| | Peugeot | For diesel passenger cars having either 12mm-1.25mm or 18mm-1.5mm glow plug port holes | Glow plug | 12-1.25mm and 18-1.5mm |

APPLICATIONS

| No. | Application | Engine | Testing Port | Thread |
|-----|----------------|---|---------------|-----------|
| 11 | Ford/Navistar | 6.9 and 7.3 liter | Glow plug | 10mm-1.00 |
| | General Motors | 4.3 and 5.7 liter | Glow plug | 10mm-1.00 |
| | Navistar | 6.9 and 7.3 liter | Glow plug | 10mm-1.00 |
| 12 | Chevy Luv | 1.8 and 2.2 liter | Glow plug | 10mm-1.25 |
| | Isuzu | 1.8 and 2.2 liter | Glow plug | 10mm-1.25 |
| | Toyota | 1.8 liter | Glow plug | 10mm-1.25 |
| 13 | Audi | All | Fuel Injector | 24mm-2.00 |
| | Cummins | 6 BT, 4.02" bore, 5.9 liter | Fuel Injector | 24mm-2.00 |
| | Mercedes Benz | Cars and trucks with 24mm ports | Fuel Injector | 24mm-2.00 |
| | Volkswagen | All cars and trucks | Fuel Injector | 24mm-2.00 |
| | Volvo | All cars and trucks | Fuel Injector | 24mm-2.00 |
| 14 | General Motors | 4.3, 5.7, 6.7 liter Turbo | Glow plug | 10mm-1.25 |
| 15 | Ford | Ford 6.0L Power Stroke, Navistar/International VT365 and more | Glow plug | M14-1.25 |

NOTE: When testing through the 12mm-1.25 glow plug port, use the inner portion of number 10.

1 YEAR LIMITED WARRANTY

PERFORMANCE TOOL® extends only the following warranties, and only to original retail purchasers. These warranties give specific legal rights. Except where prohibited by local law, the law of the State of Washington governs all warranties and all exclusions and limitations of warranties and remedies. There may be other rights which vary from state to state.

PERFORMANCE TOOL® warrants the product to be free from defects in materials and workmanship under normal use and service. A defective product may be returned for a free replacement within 90 days from the date of purchase, provided that product is returned to place of purchase immediately after discovery of defect. After 90 days and up to one year from date of purchase, PERFORMANCE TOOL® will replace at no charge any parts which our examination shall disclose to be defective and under warranty. These warranties shall be valid only when a sales receipt showing the date of purchase accompanies the defective product or defective part(s) being returned.

These warranties exclude blades, bits, punches, dies, bulbs, fuses, hoses, and other consumables which must be replaced under normal use and service. These warranties shall not apply to any product or part which is used for a purpose for which it is not designed, or which has been repaired or altered in any way so as to affect adversely its performance or reliability, nor shall these warranties apply to any product or part which has been subject to misuse, neglect, accident or wear and tear incident to normal use and service.

PERFORMANCE TOOL® does not authorize any other person to make any warranty or to assume any liability in connection with its products.

Except for warranties of title and the limited express warranties set forth above, PERFORMANCE TOOL® makes no express or implied warranties of any kind with respect to its products. In particular, PERFORMANCE TOOL® makes no implied warranty of merchantability and no implied warranty of fitness for any particular purpose, except that for goods purchased primarily for personal, family or household use and not for commercial or business use, PERFORMANCE TOOL® makes an implied warranty of merchantability (and, if otherwise applicable, an implied warranty of fitness for a particular purpose), but only for the particular qualities or characteristics, and for the duration, expressly warranted above. The laws on limitation of implied warranties may differ from state to state, so the above limitations may not apply in all cases.

PERFORMANCE TOOL® shall not be liable for consequential, incidental or special damages resulting from or in any manner related to any product, or to the design, use, or any inability to use the product. The sole and exclusive remedy for a defective product or part shall be the repair, or replacement thereof as provided above. The laws on limitation of remedies or on consequential, incidental or special damages may vary from state to state, so the above limitations may not apply in all cases.