TM 9-4910-623-14&P

TECHNICAL MANUAL

# OPERATOR'S ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL INCLUDING REPAIR PARTS LIST

## FOR

# TESTER, DIESEL INJECTOR NOZZLE MODEL DT-1300/7008 (KIENE DIESEL ACCESSORIES, INC.) (NSN 4910-00-255-8641)

HEADQUARTERS, DEPARTMENT OF THE ARMY

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Technical Manual
No. 9-4910-623-14&P

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or know of a way to improve the, procedure let us know. Mail your letter, DA Form 2028 (Recommended changes to Publications and Blank Forms) or DA Form 2028-2, located the the back off this manual direct to:
Director, Armament And Chemical Acquisition and Logistics Activity, ATTN.: AMSTA-MASL, Rock Island, IL 61299-7630
A reply will be furnished to you.

NOTE

This manual is published for the purpose of identifying an authorized commercial manual for the use of the personnel to whom this tester is issued.

Manufactured by: Kiene Diesel Accessories, Inc.
325 South Fairbanks Street
Addison, IL 60101

Procured under Contract No. DAAA09-76-D-6003

This technical manual is an authentication of the manufacturers'commercial literature and does not conform with the format and content specified in AR 25-30, The Army Integrated Publishing and Printing Program. This technical manual does, however, contain available information that is essential to the operation and maintenance of the equipment.

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# INSTRUCTIONS FOR REQUISITIONING PARTS

## NOT IDENTIFIED BY NSN

When requisitioning parts not identified by National Stock Number, it is mandatory that the following information be furnished the supply officer.

1 - Manufacturer's Federal Supply Code Number - 33559

2 - Manufacturer’s Part Number exactly as listed herein.

3 - Nomenclature exactly as listed herein, including dimensions, if necessary.

4 - Manufacturer’s Model Number - Model DT-1300/7008

5 - Manufacturer's Serial Number (End Item)

6 - Any other information such as Type, Frame Number, and Electrical Characteristics, if applicable.

7 - If DD Form 1348 is used, fill in all blocks except 4, 5, 6, and Remarks field in accordance with AR 725-50.

Complete Form as Follows:

(a) In blocks 4, 5, 6, list manufacturer’s Federal Supply Code Number - 33559 followed by a colon and manufacturer’s Part Number for the repair part.

(b) Complete Remarks field as follows:

Noun : (nomenclature of repair part)
For: NSN : 4910-00-255-8641
Manufacturer: Kiene Diesel Accessories, Inc.

Model: DT-1300/7008
Serial: (of end item)

Any other pertinent information such as Frame Number, Type, Dimensions, etc.

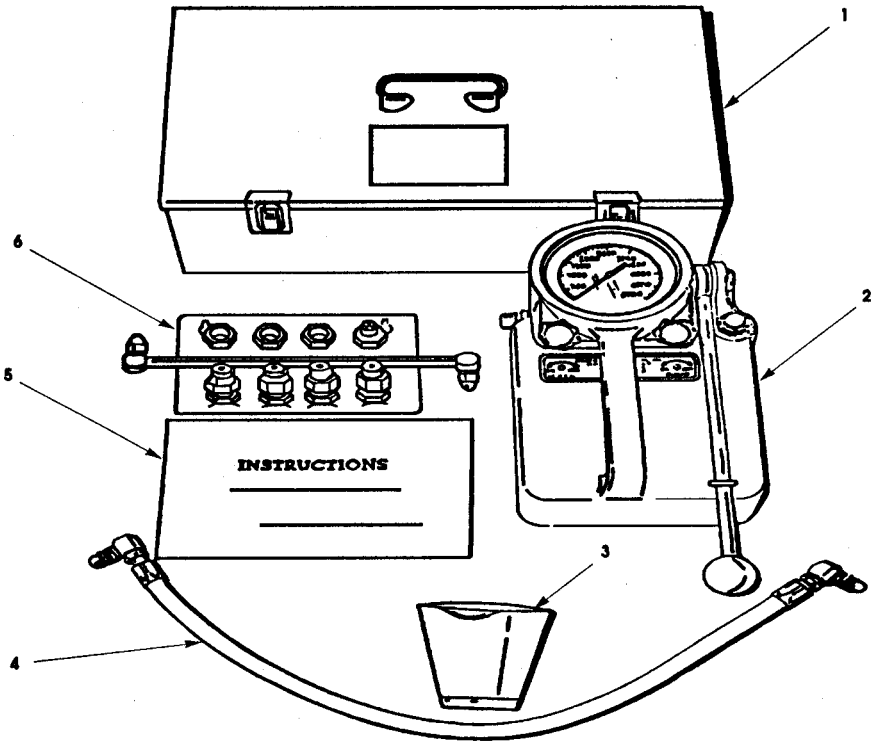
## Section I. INTRODUCTION AND DESCRIPTION

1. Introduction. This manual contains descriptive information, operation, and service instructions for diesel fuel injector nozzle tester (model DT-1300) accessories (fig 1).

2. Purpose. The tester is designed to measure the opening pressure of fuel injector nozzles and to check the fuel spray pattern being dispersed from the Nozzle tip holes. In addition, the tester can check fuel leakage of nozzles and fuel injection pump heads.

3. Description. The tester and accessories are contained in a metal carrying case. The tester housing is of cast aluminum, providing lightweight transportability. This housing contains a reservoir for holding calibration fluid. A handle is provided to pump the fluid from the reservoir to a nozzle under test. The two valves are used while checking nozzle opening pressure and for performing leak test. A pressure gage, with a range of 0 to 5000 psi, is provided to measure the opening and leakage pressures. The pump output capacity is $1300mm^3$ (1.3 cc) per stroke at 7500 psi.

4. Identification of Components and Accessories. Table 1 and figure 1 identify components furnished with the tester: nozzle tester (model DT-1300) and accessories.




1. Case
2. Tester
3. Cup
4. Tube
5. Manual
6. Connector set (case not shown)

Figure 1. Diesel fuel injector nuzzle tester and assessories