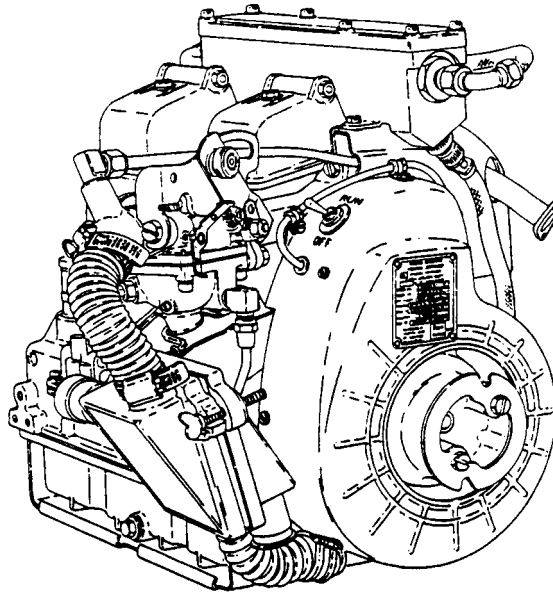


*** ARMY TM 9-2805-257-14
AIR FORCE TO 38G2-103-2
NAVY NAVFAC P-8-612-14E**

TECHNICAL MANUAL

**OPERATOR, UNIT, DIRECT SUPPORT,
GENERAL SUPPORT MAINTENANCE MANUAL**



**ENGINE, GASOLINE, 3 HP,
MILITARY STANDARD MODELS
(MODEL 2A016-1, NSN 2805-00-601-5127)
(MODEL 2A016-2, NSN 2805-00-714-8553)
(MODEL 2A016-3, NSN 2805-00-072-4871)
(MODEL 2A016-4, NSN 2805-01-169-1100)**

Approved for public release. Distribution is unlimited.

*This manual supersedes (Army) TM 5-2805-257-14, (Air Force) To 38G2-103-2, (Navy) NAVFAC P-8-612-14E dated 15 April 1976, including all changes.

**HEADQUARTERS, DEPARTMENT OF THE ARMY,
THE AIR FORCE, AND THE NAVY**

15 AUGUST 1990

TECHNICAL MANUAL 9- 2805-257-14
TECHNICAL ORDER 38G2-103-2
NAVFAC P-8-612-14E

HEADQUARTERS
DEPARTMENTS OF THE ARMY, AIR FORCE AND NAVY
WASHINGTON, D. C., 15 August 1990

Operator, Unit, Direct Support and General Support Maintenance Manual

ENGINE, GASOLINE, 3 HP MILITARY STANDARD MODELS
(MODEL 2A016-1, NSN 2805-00-60127)
(MODEL 2A016-2, NSN 205-00-714 S553)
(MODEL 2A016-3, NSN 2805-00-072871)
(MODEL 2A016-4, NSN 2805-01-169-1100)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes, or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. You may also submit your recommended changes by E-mail directly to <mpmt%avma28@st-louis-emh7.army.mil>. A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

For Air Force, submit AFTO Form 22 (Technical Order System Publication Improvement Report and Reply) in accordance with paragraph 6-5, Section VI, TO. 00-5-1. Forward direct to Commander, San Antonio Air Logistic Center, ATTN: SA-ALC-MMDDA, Kelly Air Force Base, Texas 78241-5000.

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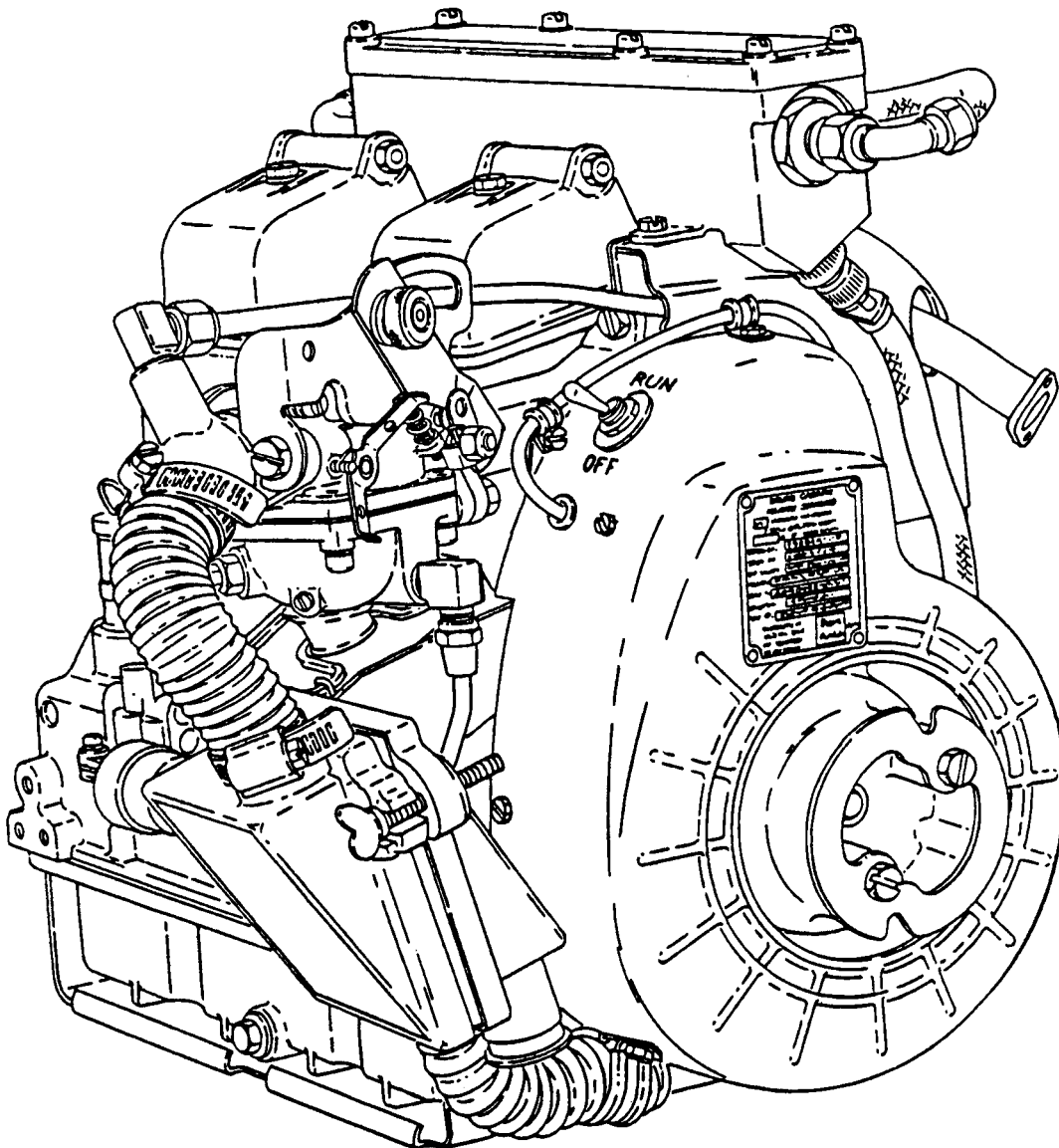
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Figure 1-1. Military Standard Engine.

CHAPTER 1

INTRODUCTION

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OVERVIEW

This chapter contains general information pertaining to 3 HP Military Standard Engine and its components.

Section I. GENERAL INFORMATION

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1-1. **Scope.** This manual contains operator, unit, direct support and general support maintenance for the 3 HP Military Standard Engine, Models 2A016-1, -2, -3, and -4 (figures 1-1, 1-2, and 1-3).

1-2. **Consolidated Index of Army Publications and Blank Forms.** Refer to the latest issue of DA PAM 25-30 to determine whether there are new editions, changes, or additional publications pertaining to the equipment

1-3. Maintenance Forms, Records and Reports.

a. Reports of Maintenance and Unsatisfactory Equipment. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750, as contained in Maintenance Management Update. Air Force personnel will use AFR 66-1 (Air Force Maintenance Management Policy) for maintenance reporting and TO-00-35D54 for unsatisfactory equipment reporting. Navy personnel will report maintenance performed utilizing the Maintenance Data Collection Subsystem (MDCS) IAW OPNAVINST 4790.2, Vol 3 and unsatisfactory material/conditions (UR submissions) IAW OPNAVINST 4790.2, Vol 2, chapter 17.

b. Reporting of Item and Packaging Discrepancies. Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2/DLAR 414.55/SECNAVINST 4355.18/AFR 400-54/MCO 4430.3J.