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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TEST STAND, AUTOMOTIVE GENERATOR, ALTERNATOR, AND STARTER, FLOOR MOUNTED, 10 TO 50-V, 500-AMP, DC, AND 25 TO 50-V, 100 TO 400 AMP, AC, TESTING RANGES, W/8000 TO 12,000-RPM, 22-1/2 HP, 220/440-V, 60-C, 3 PH, DUAL HEAD VARIDRIVE ASSEMBLY (SUN ELECTRIC CORPORATION MODEL AGT-9 AND AGT-9A) (4910-767-0218)

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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington 25, D.C., 22 *May 1970*

OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL

(INCLUDING REPAIR PARTS AND SPECIAL TOOL LISTS)

TEST STAND, AUTOMOTIVE GENERATOR, ALTERNATOR AND STARTER, FLOOR MOUNTED, 10 TO 50-V, 500-AMP, DC, AND 25 TO 50-V, 100 TO 400 AMP, AC, TESTING RANGES, W / 8000 TO 12,000-RPM, 22½-Hp, 220 / 440-V, 60-C, 3-PH, DUAL HEAD VARIDRIVE ASSEMBLY

(SUN ELECTRIC CORPORATION MODELS AGT-9 AND AGT-9A)

(4910-767-0218)

This manual is current to 6 April 1970.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This technical manual contains instructions on operation and maintenance of the test stand for the operator and instructions for organizational maintenance of the test stand by personnel of the using organization.

b. Appendix A contains a list of current references, including supply manuals, forms, technical manuals, and other available publications applicable to the test stand.

c. Appendix B contains the maintenance allocation chart for the test stand listing all maintenance and repair operations authorized for all maintenance categories.

d. Appendix C contains a list of the basic issue items, organizational repair parts, and special tools list. It is composed of those items which make up the major end item of equipment and the operator tools, equipment, and repair parts that are issued with the equipment and are required for operating and performing operator or crew maintenance and a list of repair parts and support equipment which are required by the using organizations for performing organizational maintenance on the test stand.

e. Reports of errors, omissions, and recommendations by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to DA Publications) and forwarded direct to: Commanding General, Headquarters, U.S. Army Weapons Command, ATTN: AMSWE-SMM-P, Rock Island, Illinois 61201.

1-2. Maintenance Allocation

a. Operator Maintenance Allocation. The prescribed maintenance to be performed by the operator will apply as reflected in the maintenance function column of the maintenance allocation chart (App. B), under the category of maintenance C.

b. Organizational Maintenance Allocation. The prescribed maintenance to be performed by maintenance personnel of the using organization will apply as reflected in the maintenance function column of the maintenance allocation chart (App. B). under category of maintenance O. In all cases, where the nature of the repair, modification, or adjustment is beyond the scope or facilities of the using organization, the supporting category of maintenance should be informed so that trained personnel with suitable tools, and equipment may be provided or other instructions issued.

1-3. Forms, Records, Reports

a. General. Responsibility for the proper execution of forms, records, and reports rests upon the officers of all categories of maintenance maintaining this equipment. However, the value of accurate records must be fully appreciated by all personnel responsible for their compilation, maintenance, and use. Records, reports, and authorized forms are normally utilized to indicate the type, quantity and condition of materiel to be inspected, to be repaired, or to be used in repair. Properly executed forms convey authorization and serve as records for repair or replacement of materiel in the hands of troops and for delivery of materiel requiring further repair to shops in arsenals, depots, etc. The forms, records, and reports establish the work required, the progress of the work within the shops, and the status of . the materiel upon completion of its repair.

b. Authorized Forms. The forms generally applicable to units operating or maintaining this materiel are listed in appendix A. For a listing of all forms, refer to DA Pam 310-2. For instructions on use of these forms, refer to TM 38-750.

c. Equipment Improvement Recommendation. Any deficiencies detected in the equipment covered herein which occur under the circumstances indicated in AR 750-5, should be immediately reported in accordance with the applicable instructions in cited regulation.

d. Field Reports of Accidents. The reports necessary to comply with the requirements of Army safety program are prescribed in detail in AR 385-40. These reports are references whenever accidents involving injury to personnel or damage to materiel occur.