

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL, DS, GS,
AND DEPOT MAINTENANCE MANUAL
INCLUDING REPAIR PARTS

WELDING MACHINE, ARC:
GENERATOR; ELECTRIC MOTOR DRIVEN,
300-AMP DC ARC, 220 / 440-V, 60-CYCLE,
3-PHASE, WHEEL MOUNTED
(HARNISCHFEGGER MODEL W300 MG)
FSN 3431-226-1569

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DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 9 April 1965**ORGANIZATIONAL, DS, GS, AND DEPOT MAINTENANCE MANUAL
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CHAPTER 1 INTRODUCTION

Section I. GENERAL

1. Scope

a. These instructions are published for the use of the personnel to whom the arc welding machine Model W300 MG is issued. Chapters 1 through 4 provide information on the operation, preventive maintenance services, and organizational maintenance of the equipment, accessories, components, and attachments. Chapters 5 and 6 provide information for direct and general support and depot maintenance. Also included are descriptions of main units and their functions in relationship to other components.

b. Appendix I contains a list of publications applicable to this manual. Appendix II contains the maintenance allocation chart. Appendix III contains the list of basic issue items authorized the operator of this equipment. The organizational, direct and general support, and depot maintenance repair parts and special tools are listed in appendix IV.

c. Numbers in parentheses on illustrations indicate quantity. Numbers preceding nomenclature callouts on illustrations indicate the preferred maintenance sequence.

d. the direct reporting by the individual user, of errors, omissions, and recommendations for improving this manual is authorized and encouraged. DA Form 2028 (Recommended Changes to DA Publications) will be used for reporting these improvements. This form will be completed in triplicate using pencil, pen, or typewriter. The original and one copy will be forwarded direct to Commanding General, U.S. Army Mobility Equipment Center, ATTN: SMOME-MMP, P.O. Drawer 58, St. Louis, Mo. 63166. One information copy will be provided the individual's immediate supervisor.

e. Report all equipment improvement recommendations as prescribed by TM 38-750.

2. Record and Report Forms

a. DA Form 2258 (Depreservation Guide of Engineer Equipment).

b. For record and report forms, applicable to operator, crew, and organizational maintenance, refer to TM 38-750.

Note. Applicable forms, excluding Standard Form 46 which is carried by the operator, will be kept in a canvas bag mounted on the equipment.

AGO 8244A



Figure 1. Arc welder rear, three-quarter view with shipping dimensions.