

TM 9-4910-630-14&P

TECHNICAL MANUAL

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

FOR

**RELINER, BRAKE AND CLUTCH
MODEL 501G
(METAL-NAX SALES DIVISION)
(NSN 4910-00-173-5310)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

MAY 1980

Technical Manual }
No. 9-4910-630-14&P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 23 May 1980

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REPORTING OF ERRORS

You can help improve this manual by recommending improvements using, DA Form 2028 (Recommended Changes to Publications and Blank Forms) or DA Form 2028-2 located in the back of this manual. Mail your form direct to Commander, US Army Armament Materiel Readiness Command, ATTN: DRSAR-MAS, Rock Island, IL 61299. A reply will be furnished direct to you.

NOTE

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

Manufactured by: Metal Nax
P. O. Box 666
Plainfield, New Jersey 07061

Procured under Contract No: DAAA09-76-C-6224

This technical manual is an authentication of the manufacturers' commercial literature and does not conform with the format and content specified in AR 310-3, Military Publications. This technical manual does, however, contain available information that is essential to the operation and maintenance of the equipment.

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SECTION I USE AND MAINTENANCE

1-1. INTRODUCTION

1-2. The heavy duty combination brake reliner, model 501G, is engineered to give years of precision, trouble-free performance as well as keeping maintenance expenses at a minimum and operating efficiency at a maximum

1-3. The model 501G is designed to rivet and derivet brake shoes, brake bands, and clutch discs.

1-4. Numbers in parentheses in the following paragraphs refer to the item numbers. (see figure 2-1).

1-5. TABLE OF SPECIFICATIONS

Riveting capacity range (rivet diameter)	1/8" to 1/4"
Deriveting capacity range (rivet Diameter)	1/8" to 1/4"
Drilling capacity range(diameter)	1/8" to 1/4"
Countersinking capacity range (diameter)	1/4"to 1/2"
Grinding capacity range (diameter)	6" to 24"
Grinding capacity width	7 1/2"
Grinder RPM	1,725
Throat depth	6 1/2"
Dimensions	length 16" width 24" height 53 1/2"
Motor	1/3hp, 115V, 60MZ, I phase, 175 RPM totally enclosed fan cooled, fungus proof.
Weight	160 lbs.

1-6. INSTALLATION

1-7. Remove machine and all accessories from shipping container and conduct visual inspection for in-shipment damage.

1-8. Check all parts with packing slip to insure all items are included.

1-9. Clean all machined surfaces and tooling that are covered with a protective coating. It is recommended that a good grease solvent be used.

1-10. Place machine in desired location and securely bolt to floor, making sure machine is level.

1-11. Insert cord and plug (61) with part no. 507M, plug adapter, from tool box, on end of plug, into electrical outlet. Machine is now properly installed and ready for operation.