

TM 9-4910-683-14&P

TECHNICAL MANUAL

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

FOR

**LATHE, BRAKE
MODEL 1476
(STAR MACHINE & TOOL COMPANY)
(NSN 4910-01-028-9849)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

SEPTEMBER 1981

Technical Manual }
No. 9-4910-683-14&P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 25 September 1981

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and General Support Maintenance Manual
(Including Repair Parts List)

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(NSN 4910-01-028-9849)**

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 the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2, located in the back of this manual 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 this lathe is issued.

Manufactured by: Star Machine & Tool Co.
201 6th Street Southeast
Minneapolis, Minnesota 55414

Procured under Contract No. DAAA09-78-C-4400

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,

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 - 57127
- 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 1476
- 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 - 57127 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: 4910-01-028-9849
Manufacturer: Star Machine & Tool Co.
201 6th Street Southeast
Minneapolis, MN 55414

Model: 1476
Serial : (of end item)

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

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SECTION I

USE AND MAINTENANCE

1-1. INTRODUCTION

1-2. The disc and drum brake lathe, Model 1476, 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. The few minutes required to read this manual will assure this kind of performance.

1-3. The Model 1476 Disc and Drum Brake Lathe is designed to resurface American and foreign car discs and drums, as well as being capable of resurfacing discs and drums on light to heavy duty trucks.

1-4. Numbers in parenthesis, as in the following paragraphs, refer to the item numbers. (See Figure 2-1).

1-5. TABLE OF SPECIFICATIONS

Refacing Method	Two sides simultaneously
Disc Capacity Range:	Diameter. 3" to 24 1/2"
	Thickness 1/8" to 2 1/4"
Drum Capacity Range:	Diameter 6" to 45"
	Depth 9"
Carriage Travel	9"
Carriage Feeds:	Rough Cut 015"/Rev.
	Finish Cut 005"/Rev.
Cross Slide Travel.. . . .	7 1/4"
Cross Slide Feed:	Infinitely Variable 0 to 3 1/2" /min.
Tool Bit Adjustment	.001" increments
Tool Plate	Combination Switch- O- Matic
Spindle Speeds	...30, 60, 125RPM
Vibration Dampener (Disc) ,	Built-In
Boring Bar ,	Self-Indexing
Swing	60"
Dimensions ,	Length 28", Width 23" Height 43 1/2"
Motor	1 HP, 115/230 V , 60 Hz., 1 Ph, 1725 RPM
Shipping Weight	...587 lbs.

1-6. INSTALLATION

1-7. Remove machine and all accessories from shipping container.

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

1-9. Clean all machined surfaces of the machine, accessories and adapters that are covered with a protective coating.

1-10. Place machine in desired location. Level machine by removing

Tool Plate (128) and placing precision level on top of Cross Slide (102). Place shims under base corners until machine is level and securely bolt machine to floor. Replace Tool Plate (128).