TM 9-3405-210-14&P

TECHNICAL MANUAL

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

FOR

SAW, BAND, METAL CUTTING
MODEL 2614-1
(DO ALL COMPANY)
(NSN 3405-00-542-1328)

HEADQUARTERS, DEPARTMENT OF THE ARMY

JULY 1981

Technical Manual

No. 9-3405-210-14&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, *31 July* 1981

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REPORTING OF ERRORS

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 directly 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 band saw is issued.

Manufactured by: Continental Machines, Inc.
Savage, Minnesota 55378
for:
DoALL Company
254 N. Laurel Avenue
Des Plaines, II. 60016

Procured under Contract No. DAAAO977-C-7006

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 - 18056

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 2614-1

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 - 18056 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: 3405-00-542-1328
Manufacturer: Continental Machines, Inc.
for
DoAll Company
Mode: 2614-1
Serial: (of end item)

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

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CHAPTER 1

INSTALLATION

LOCATION

Place the machine so that any overhead light will strike the table over the operator's right shoulder when he is in position for cutting. The machine should be centrally located for your cutting needs. 'Provide sufficient clearance around the machine for handling large pieces of material.

LIFTING INSTRUCTIONS

A 3/4 in. NC tapped hole is provided in the upper surface of the machine head. Use a forged 3/4-10 NC eye-bolt screwed into this hole for lifting the machine. Net weight of Model 2614-1 is approximately 2500 Ibs.

UNPACKING

(1) Remove rear drive housing. Carefully remove all protective coverings, strapping, and the skid. Unfasten the hold down bracket for the power feed weight.

(2) A rust-preventive coating has been applied to all exposed bare metal surfaces. Remove this coating with solvent. Inspect the machine for broken or damaged parts.

ELECTRICAL INSTALLATION

Bring the leads of the line circuit to the electrical enclosure on the machine column. Refer to the wiring diagram furnished with the machine.

Jog the start button intermittently and open the door over the lower band wheel. Check to see if the wheel is turning clockwise. If it is turning counterclockwise, reverse any two of the connections.

Overload protection is provided. Under ordinary conditions this will be ample protection. If the machine is started and stopped a number of times in rapid succession, the overload relay may kick out. Let the relay cool for a few minutes before starting the machine again.

ALIGNMENT

Before the machine is bolted into position, or whenever the machine is moved, the alignment should be checked and the machine shimmed.

(1) Place machine in desired location. Use 1/4 in. spacers between the floor and the base mounting pads of the machine.

(2) Shim under the pads as required until the machine is level and bears evenly on all pads. Uniformity of bearing can be checked by tapping on the spacers with a bar or hammer.