

Bullard TM-ML030

Bullard Multi-Au-Matic Type L TM-ML030 Vertical Chucking Lathe Parts Manual

Model: TM-ML030 | Brand: Bullard

INTRODUCTION

This manual provides comprehensive information regarding the replacement parts for the Bullard Multi-Au-Matic Type L, TM-ML030 Vertical Chucking Lathe. It is designed to assist in identifying, locating, and ordering necessary components to maintain the machine's operational integrity.

General Information

This section outlines the overall structure and purpose of the parts manual. It serves as a guide to understanding the organization of information presented throughout the document.

Electrical and Hydraulic Components

Detailed identification of electrical and hydraulic system components is provided. This includes parts lists and corresponding illustrations to ensure accurate replacement.

Manual Arrangement

The manual is systematically arranged to facilitate easy navigation. Parts are grouped by functional assemblies, and each entry includes specific identifiers for quick reference.

Definition of Information Provided in Section II

Section II contains the core replacement parts list. Each entry in this section is structured with specific columns to provide complete part information:

- **Figure and Index Number (Fig. & Index No.) Column:** This column provides a reference to the specific illustration and the item's index number within that illustration.
- **Part Number (Part No.) Column:** This column lists the unique manufacturer's part number for the component.
- **Description Column:** A brief description of the part, including its name and any relevant specifications.

- **Quantity Per Assembly (Qty. Per Assy.) Column:** Indicates the number of units of a specific part required for one complete assembly.
- **Machine (Mach.) Size Column:** Specifies the machine size or variant to which the part applies, if applicable.

How to Order Replacement Parts

To ensure correct part delivery, always provide the complete part number, description, quantity required, and the model number (TM-ML030) of your Bullard Multi-Au-Matic Type L machine when placing an order. Refer to the contact information provided by Bullard for ordering procedures.

REPLACEMENT PARTS LIST

This section contains detailed lists of all replacement parts, organized by machine assembly. Each part is accompanied by its unique identifier, description, and quantity per assembly. Refer to the "Definition of Information Provided in Section II" for an explanation of each column.

APPENDIX A: GEAR TRAIN DIAGRAM

Appendix A includes a comprehensive diagram illustrating the gear train assembly of the Bullard Multi-Au-Matic Type L machine. This diagram is essential for understanding the mechanical relationships between components and for accurate part identification within the gear train system.

LIST OF ILLUSTRATIONS

This manual includes numerous illustrations to aid in the identification and location of parts. Key illustrations cover various assemblies and components:

- **How To Use This Manual:** Provides guidance on navigating and utilizing the manual effectively.
- **Multi-Au-Matic Type "L" Vertical Chucking Machine:** General overview diagrams of the machine.
- **Drive Base Assembly:** Detailed views of the machine's drive base components.
- **Drive Bracket Assembly (3 sheets):** Multi-page illustrations detailing the drive bracket.
- **Feed Works Base Assembly:** Diagrams for the base components of the feed mechanism.
- **Feed Works Assembly (12 sheets):** Extensive illustrations covering the entire feed works assembly.
- **Feed Clutch Assembly:** Diagrams showing the components of the feed clutch.
- **Safety Clutch Assembly:** Illustrations for the safety clutch mechanism.
- **Safety Clutch Bevel Gear Assembly:** Detailed views of the bevel gear components within the safety clutch.
- **Bull Gear and Index Drive Assembly (5 sheets):** Multi-page illustrations for the bull gear and index drive.
- **Control Drum Assembly (4 sheets):** Detailed diagrams of the control drum components.
- **Lubrication Pump Assembly:** Illustrations of the lubrication pump and its parts.
- **Hand Crank Assembly:** Diagrams for the hand crank mechanism.
- **Plain Vertical Head Assembly:** Views of the plain vertical head components.
- **Feed Screw Bearing Support Assembly (Earlier Design):** Illustrations for an earlier design of the feed screw bearing support.

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This image displays a sample page from the Bullard Multi-Au-Matic Type L TM-ML030 Vertical Chucking Lathe Parts Manual. It shows the Table of Contents and the beginning of the List of Illustrations, providing an overview of the manual's structure and content organization.



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