

Figure 1

88-334A

### 1. INTRODUCTION

AMP Pneumatic Power Bench Assembly 58338-1 is a pneumatic power unit designed to accept a variety of interchangeable terminating heads or feed track assemblies that terminate unstripped wire in AMP connectors.

Refer to the instructions packaged with the terminating head or feed track assembly for proper selection, setup and adjustment procedures, terminating and test procedures, and maintenance. Read these and all referenced materials carefully before using the power bench assembly.

Reasons for reissue are provided in Section 8, REVISION SUMMARY.

### 2. DESCRIPTION

The power bench assembly consists of a bench mount with attached pneumatic power assembly, a foot switch, and air tubes which connect the foot switch to the power assembly and the air source to the foot switch.

The bench mount is attached to a bench or work table with screws or clamps and the foot switch is used to actuate the pneumatic power assembly when connected to an air source.

In this use, the pneumatic power bench assembly emits less than 70 dB.

### 3. INSTALLATION OF BENCH MOUNT

The bench mount is designed to be mounted in either of the two positions shown in Figure 1. Orientation of the bench mount depends on operator preference and the desired eject direction of terminated connector assembly (refer to Figure 2).

Refer to Figure 2 and install the bench mount as follows:

1. Place bench mount on a bench or work table in the desired location and orientation.
2. Mark the location for the screws in the bench surface through the drilled holes on the bench mount flange. Drill holes for the mounting screws.

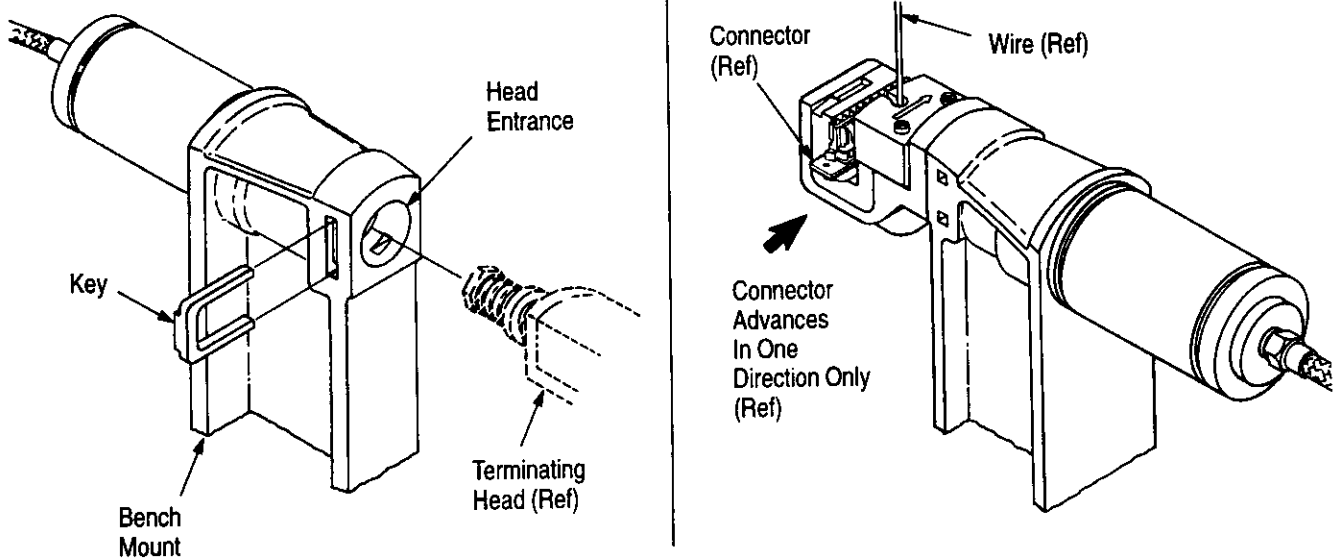


Figure 2

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**NOTE**

Mounting hardware is not supplied with the power bench assembly and must be supplied by the customer.

3. Install bench mount by securing screws or clamps.

4. Connect air tube to an approved air source (refer to Section 5, PNEUMATIC SETUP) to complete the installation.

#### 4. INSTALLATION AND REMOVAL OF TERMINATING HEAD OR FEED TRACK ASSEMBLY

**DANGER**

To avoid personal injury, ALWAYS disconnect power assembly from air supply when installing or removing the terminating head or feed track assembly.

1. Position the blade tip of a screwdriver between the shoulder of the key and the power assembly body. Gently pry the key out of the keyway.
2. Insert the terminating head or feed track assembly into the head entrance of the power assembly body until it bottoms.
3. Insert the key completely into the keyway to retain the terminating head or feed track assembly.
4. To remove the terminating head or feed track assembly, disconnect the power assembly from air supply, remove the key, and pull the terminating head or feed track assembly out of the unit. See Figure 2.

#### 5. PNEUMATIC SETUP

AMP recommends that a filter-regulator-lubricator unit, with the lubricator adjusted to the minimum setting, be used with the power assembly. Refer to Figure 3.

The power bench assembly is designed to operate at an air pressure range of 276-483 kPa [40-70 psi]. Service life of the power assembly can be greatly extended when only the necessary air pressure is applied. Excessive pressure causes unnecessary wear and strain on the power assembly, terminating head or feed track assembly, and connectors.

#### 6. MAINTENANCE

**DANGER**

To avoid personal injury, ALWAYS disconnect power assembly from air supply when performing maintenance or inspection procedures.

These procedures have been established to ensure the quality and reliability of the power bench assembly. A brief inspection should be made daily by the operator and a more detailed inspection should be performed on a scheduled basis by quality control personnel.

##### 6.1. Daily Maintenance

Each operator of the unit should be made aware of, and responsible for, the following procedures:

1. Remove dust, moisture, and other contaminants with a clean, soft brush, or clean, lint-free cloth. Do NOT use objects that could damage the power bench assembly.

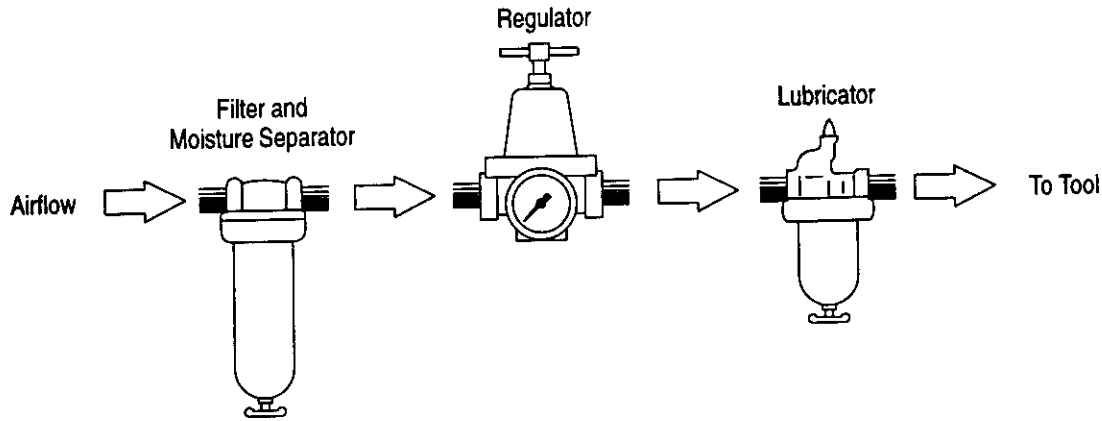


Figure 3

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2. Ensure that all components are in place and properly secured.

3. With a terminating head or feed track assembly in place, connect the air supply and actuate the power assembly by depressing and releasing the foot switch to ensure that the mechanisms and plunger move smoothly and freely.

## 6.2. Quality Control Maintenance

Regular inspections should be performed by quality control personnel. A record of quality control inspections should remain with the power bench assembly or with personnel responsible for the assembly. AMP recommends one inspection per month; however, operator training and skill, amount of use, working conditions, and established company standards are all factors to be considered in scheduling inspections.

The inspections should be performed in the following sequence:

1. Remove any accumulated film with a suitable cleaning agent that will not affect plastic material.
2. Make certain that all components are in place and properly secured. Check air tube fittings for leaks.
3. Make a few test terminations and inspect the terminations in accordance with the inspection procedure described in the instructions packaged with the terminating head or feed track assembly.
4. Check for chipped, cracked, worn, or broken areas. If damage is evident, repair is necessary. See Section 7, REPLACEMENT AND REPAIR.

## 7. REPLACEMENT AND REPAIR

Customer-replaceable parts are listed in Figure 4. A complete inventory should be stocked and controlled to prevent lost time when replacement is required.

Order replacements through your AMP representative, or call 1-800-722-1111, or send a facsimile of your purchase order to 1-800-522-6752, or write to:

CUSTOMER SERVICE (38-35)  
AMP INCORPORATED  
P.O. BOX 3608  
HARRISBURG PA 17105-3608

or

AMP OF GREAT BRITAIN, LTD.  
BARTON TORS  
BIDEFORD  
NORTH DEVON, ENGLAND

Parts other than those listed in Figure 4 must be replaced by AMP to ensure the quality and reliability of the power bench assembly. When repair is necessary, return the assembly with a written description of the problem to:

CUSTOMER REPAIR (01-12)  
AMP INCORPORATED  
1523 NORTH 4TH STREET  
HARRISBURG, PA 17102-1604

## 8. REVISION SUMMARY

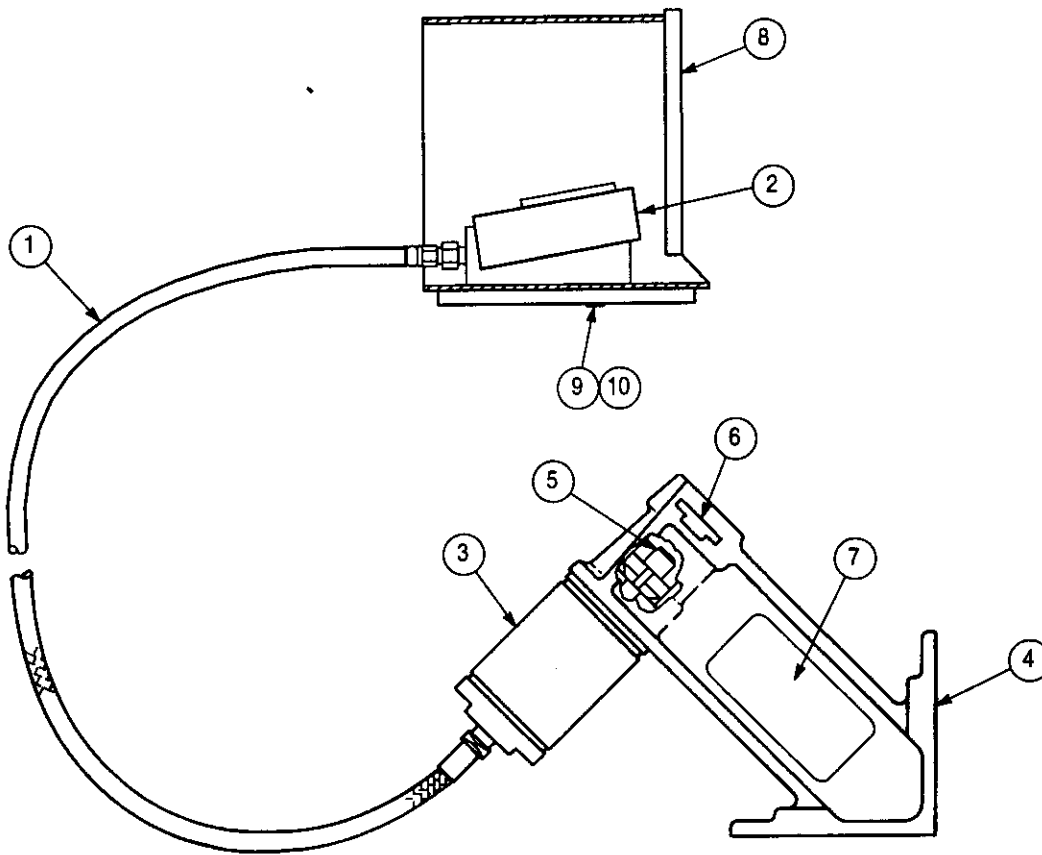
Revisions to this document include:

Per EC 0150-3372-95:

- Added information to Sections 2 and 7
- Modified Figure 3

Per EC 0990-0252-93:

- Updated format
- Added metric units
- Added Figure 3
- Corrected address in Section 7



**CUSTOMER-REPLACEABLE PARTS**

| ITEM | PART NUMBER | DESCRIPTION                             | QTY PER ASSEMBLY |
|------|-------------|---|------------------|
| 1    | 312622-2    | SUBASSEMBLY, Air Tube                   | 2                |
| 2    | 24198-1     | AIR VALVE, 3-Way                        | 1                |
| 3    | 313874-1    | AIR CYLINDER                            | 1                |
| 4    | 313852-1    | BENCH MOUNT                             | 1                |
| 5    | 312141-1    | NUT, Cam Adjustment                     | 1                |
| 6    | 312140-1    | KEY                                     | 1                |
| 7    | 217915-2    | LABEL, CE                               | 1                |
| 8    | 453866-1    | GUARD, Foot Switch                      | 1                |
| 9    | 4-23715-1   | SCREW, Slotted Pan Head, 4-40 x .19 in. | 1                |
| 10   | 21060-7     | SCREW, Slotted Pan Head, 4-40 x .25 in. | 1                |

Figure 4

88-338