

**PROPER USE GUIDELINES**

Cumulative Trauma Disorders can result from the prolonged use of manually powered hand tools. AMP hand tools are intended for occasional use and low volume applications. AMP offers a wide selection of powered application equipment for extended-use, production operations.

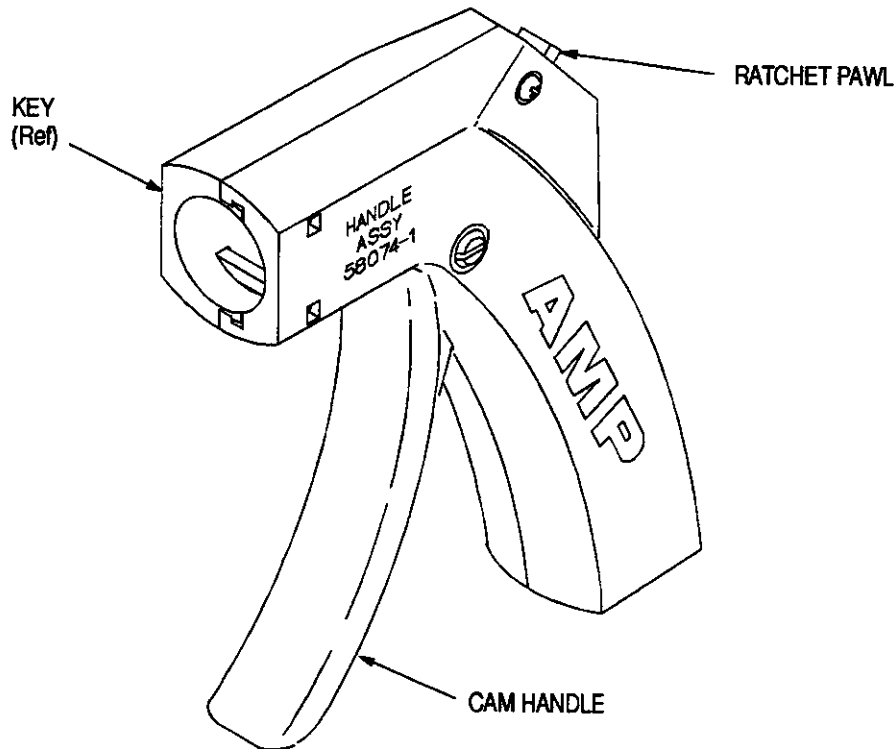


Figure 1

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**1. INTRODUCTION**

This instruction sheet covers the application and maintenance procedures for AMP Pistol Grip Manual Handle Assembly 58074-1. The tool is designed to accept interchangeable heads that terminate wires in AMP connectors. Read these instructions carefully before using the tool.

Refer to the instruction sheet packaged with the head for details concerning termination procedures.

**NOTE**

*Dimensions on this instruction sheet are in millimeters [followed by inches in brackets].*

**2. DESCRIPTION (Figure 1)**

The pistol grip manual handle assembly features a cam handle, a key, and a ratchet pawl. The cam handle actuates the terminating mechanism inside the head (after the head is properly installed in the tool). The head is secured in the tool with the key. The ratchet pawl is used to release the handle before it is fully closed.

**3. HEAD INSTALLATION AND REMOVAL**

1. Position the tip of a screwdriver between the shoulder of the key and the tool body. Pry the key out of the tool. See Figure 2.
2. With the cam handle FULLY opened, insert the head into the tool until it bottoms. See Figure 2.

**NOTE**

*Make sure the head is FULLY bottomed in the tool before re-inserting the key.*

3. Re-insert the key into the tool body to secure the head. Apply enough pressure to fully insert the key into the tool.

**NOTE**

*The key may be difficult to insert when the tool is new. The insertion should become easier after the tool has been used.*

4. To remove the head, follow the procedure described in Step 1.

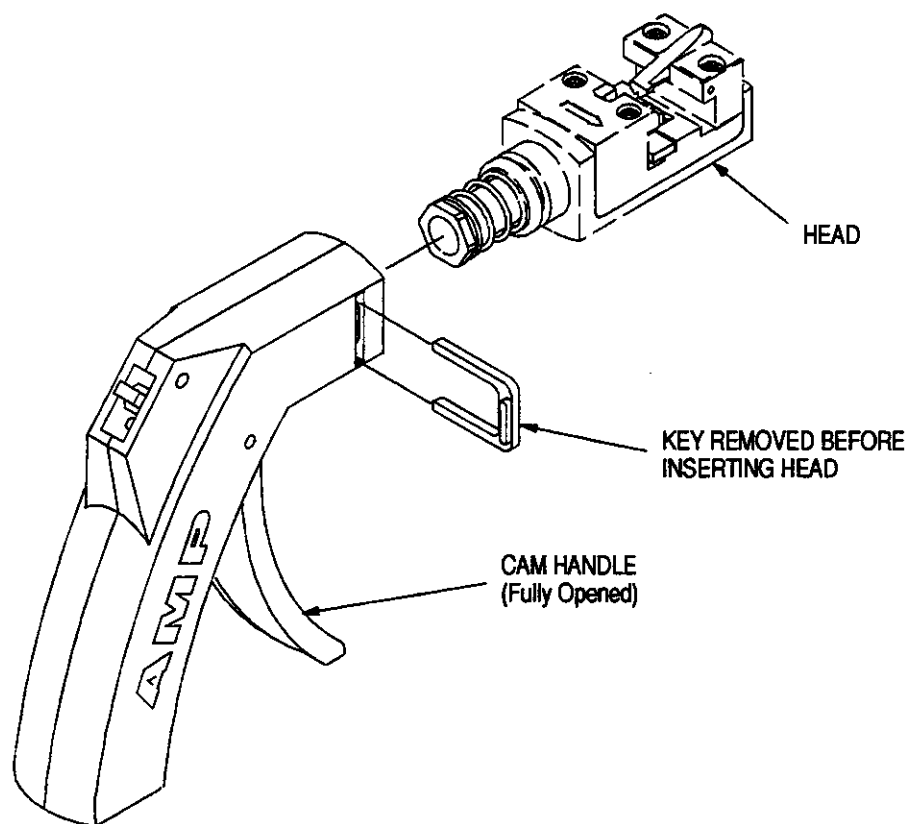


Figure 2

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#### 4. TERMINATION PROCEDURE

After the head is properly inserted into the tool, it serves as a guide for the housing assemblies during termination. Unstripped wire is inserted into the wire slot of the head and is terminated in the contact using the Insulation Displacement Technique (a terminating technique which inserts unstripped wire into a slotted contact beam to form a reliable electrical connection between the wire and the contact). The termination is accomplished by squeezing the cam handle until the ratchet releases. For details concerning the termination procedure, refer to the instruction sheet packaged with the appropriate head.

#### 5. MAINTENANCE

AMP recommends that a maintenance and inspection program be performed periodically to assure the quality and reliability of the tool. Frequency of inspection should be adjusted to suit your requirements through experience.

Frequency of inspection depends on:

1. The care, amount of use, and handling of the tool.
2. The presence of abnormal amounts of dust and dirt.

3. The degree of operator skill.
4. Your own established standards.

#### A. Quality Control Maintenance

1. Remove any accumulated film with a suitable cleaning agent that will NOT affect plastic material.
2. Make sure all components are in place and are properly secured. See Figure 2.
3. Make a few test terminations and inspect the termination using the inspection procedures provided with the head.
4. Check for chipped, cracked, worn, or broken areas. If damage is evident, repair is necessary. Refer to Section 6, REPLACEMENT AND REPAIR.

#### B. Daily Maintenance

1. Remove dust, moisture, and other contaminants with a clean brush, or a soft, lint-free cloth. Do NOT use objects that could damage the handle assembly.
2. Ensure that all components are in place and properly secured.
3. Depress and release the spring-loaded ratchet pawl to ensure that the pawl moves freely.

4. Squeeze and release the cam handle to ensure that the mechanisms inside the handle and head assembly move smoothly.

5. Check the extension springs to ensure they are properly located and are not deformed.

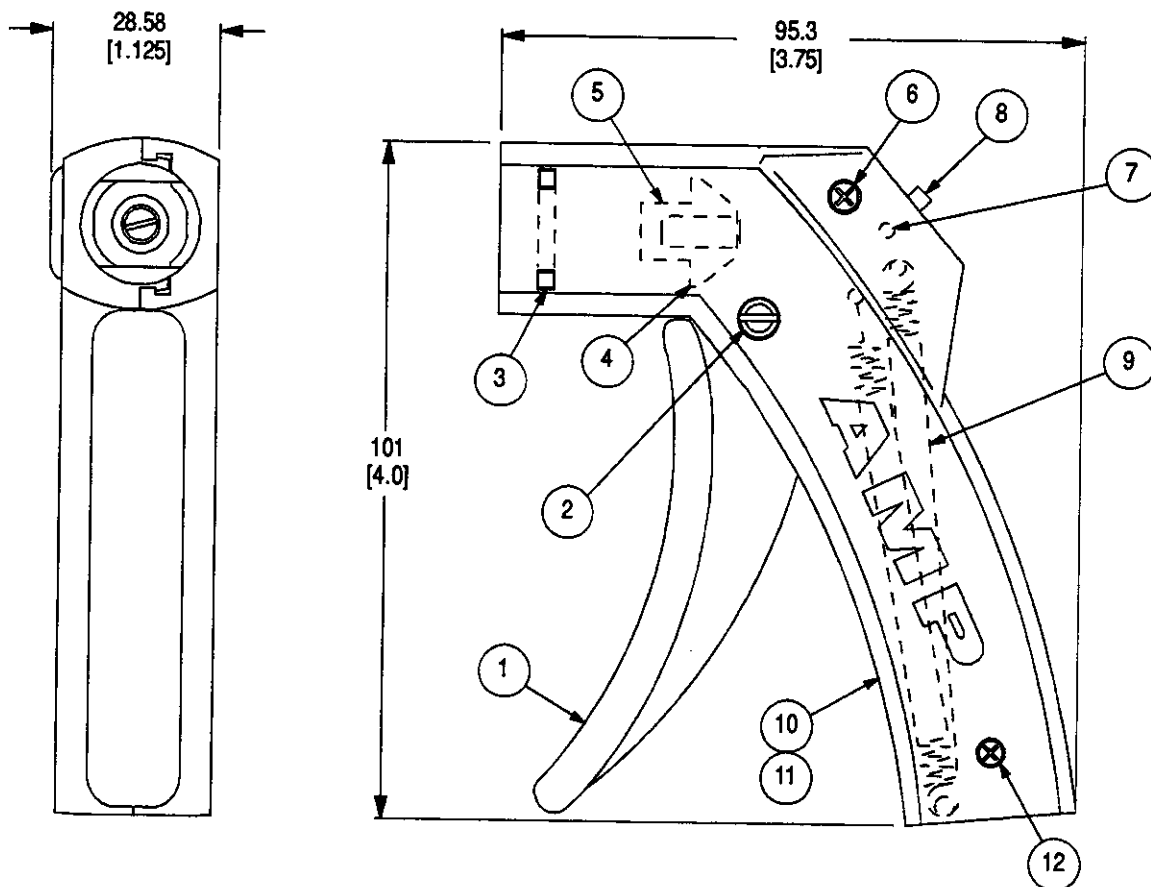
CUSTOMER SERVICE (38-35)  
AMP INCORPORATED  
P.O. BOX 3608  
HARRISBURG, PA 17105-3608

### 6. REPLACEMENT AND REPAIR

For tool repair, return the tool to:

Replacement parts are listed in Figure 3. Parts other than those listed in Figure 3 should be replaced by AMP to insure performance of the tool. Replaceable parts can be ordered from:

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



CUSTOMER REPLACEABLE PARTS FOR 58074-1

ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	312145-1	HANDLE, Cam	1
2	1-22353-2	SCREW, Shoulder	1
3	312140-1	KEY	1
4	312141-1	NUT, Cam Adjustment	1
5	312142-1	SCREW, Ratchet Adjustment	1
6	28593-1	SCREW, Self-Tapping, .22 OD x .38 L	1
7	1-21919-2	PIN, Dowel	1
8	312143-1	PAWL, Ratchet	1
9	22286-9	SPRING, Extension	2
10	312144-1	HANDLE, Right Half	1
11	312144-2	HANDLE, Left Half	1
12	28593-3	SCREW, Self-Tapping, .22 OD x .62 L	1

Figure 3

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