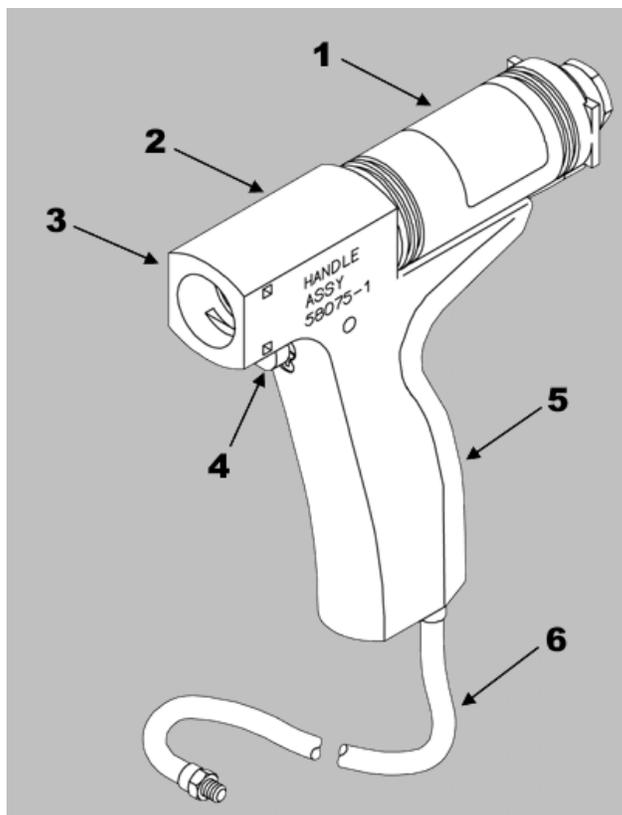


## PROPER USE GUIDELINES

Cumulative trauma disorders can result from the prolonged use of manually powered hand tools. Hand tools are intended for occasional use and low-volume applications. A wide selection of powered application equipment is available for extended-use production operations.

Figure 1: Pistol Grip Pneumatic Handle Assembly 58075-1



- 1 Air cylinder
- 2 Body
- 3 Key (visible on this side)
- 4 Trigger
- 5 Handle
- 6 Air tube

## 1. INTRODUCTION

These instructions deal with the safety, installation, operation and maintenance of the Pistol Grip Pneumatic Handle Assembly 58075-1 (Figure 1).

Pistol Grip Pneumatic Handle Assembly 58075-1 accepts interchangeable terminating heads that terminate wires in connectors. To ensure accurate termination of wires, setup adjustments, and head maintenance, refer to the instructions packaged with the terminating head.



### NOTE

Dimensions in this instruction sheet are in millimeters with [inches in brackets]. Figures are for reference only and are not drawn to scale.

Reasons for reissue of this instruction sheet are provided in section 8, REVISION SUMMARY.

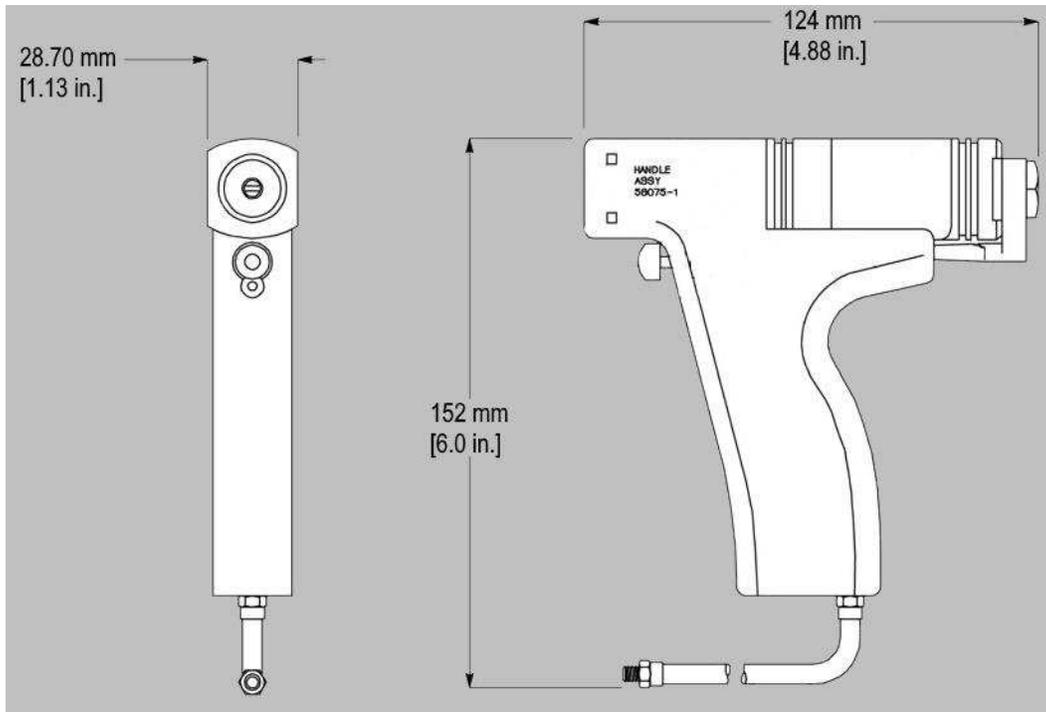
## 2. DESCRIPTION

The pneumatic handle assembly features a molded nylon handle with a trigger and an air tube. The handle holds an air cylinder with a key that retains the terminating head in the body and allows the head to be rotated (Figure 1).

In this use, the handle assembly with the terminating head emits a maximum noise level of 78 dB. The vibration level is less than 2.5 mm/s<sup>2</sup>.

Figure 2 shows the dimensions of the handle assembly. The weight is 510 g [1 lb, 2 oz].

*Figure 2: Dimensions*



### 3. INSTALLING AND REMOVING THE HEAD

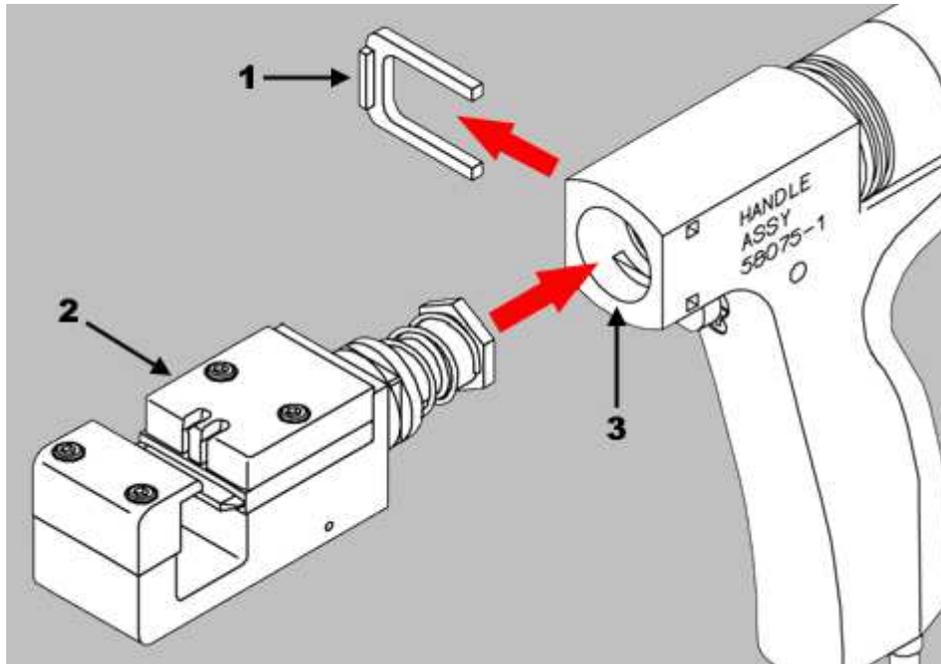


**DANGER**

To avoid personal injury, **always** disconnect the handle assembly from the air supply when installing or removing the head.

1. Disconnect or lock out the tool from its air supply.
2. Position the blade tip of a screwdriver between the shoulder of the key and the handle assembly body. Pry and remove the key (Figure 3).
3. Insert the terminating head into the head entrance until the head bottoms (Figure 3).

Figure 3: Inserting the terminating head



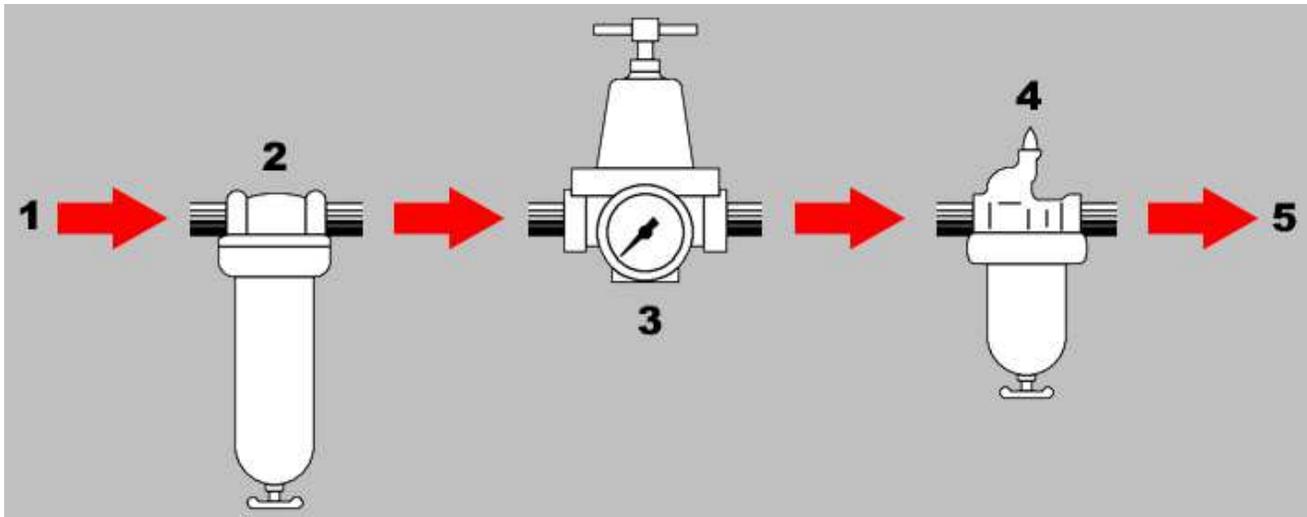
- 1** Key
- 2** Terminating head (for reference)
- 3** Head entrance

4. Re-insert the key to retain the head.
5. To remove the head, remove the key and pull the head out of the handle assembly.

#### 4. SETUP

Use a regulator-filter-lubricator unit with the lubricator adjusted to the minimum setting (Figure 4).

Figure 4: Regulator-filter-lubricator unit



- 1 Air supply
- 2 Filter and moisture separator
- 3 Regulator
- 4 Lubricator
- 5 To handle assembly

Use quick-disconnect fittings to connect the tool to the air supply. If not using quick-disconnect fittings, provide a pneumatic lock-out on the air line that bleeds air after it is turned off.

The handle assembly is designed to operate with an air pressure range of 276 to 483 kPa [40 to 70 psi]. Service life can be greatly extended when only the necessary air pressure is applied. Excessive pressure causes wear and strain on handle assembly components and the connectors.



**CAUTION**

*Do not use this tool as a blunt object, a crushing device, or for any purpose other than crimping the proper specified product. Inappropriate use of the tool can result in personal injury or damage to the tool.*

#### 5. OPERATION

The following procedure provides only general information concerning crimping. Refer to the instructions packaged with the terminating heads for detailed information, including wire stripping dimensions and instructions for positioning terminals in the terminating heads.

1. Insert the connector into the left side of the head.
2. Align the contact to be terminated with the wire inserter of the head. Make sure that the locating pawl rests between the connector index ribs.
3. Insert an unstripped wire into the funnel area between the contact and the wire inserter until it bottoms on the tool base.
4. Press the trigger of the handle assembly and hold it until the wire inserter bottoms.
5. Release the trigger. The wire inserter retracts. The feed slide automatically advances the connector to the next contact position.
6. Repeat steps 2 through 5 until all contacts have been terminated.
7. Inspect each termination.

## 6. MAINTENANCE AND INSPECTION



### **DANGER**

To avoid personal injury, **always** disconnect the handle assembly from the air supply when performing maintenance or inspection procedures.

Each handle assembly is inspected before shipment. Inspect the handle assembly immediately upon arrival at the facility of use to ensure that it has not been damaged during shipping.

### 6.1. Daily maintenance

Each operator of the power unit must be aware of, and responsible for, the following daily maintenance requirements:

1. Remove dust, dirt and other contaminants with a clean brush or 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. With the terminating head in place, connect the air supply.
4. Squeeze and release the trigger to ensure that the mechanisms and plunger move smoothly.

### 6.2. Periodic inspection

Regular inspections must be performed at least once per month. Base your inspection frequency on amount of use, the presence of abnormal amounts of dust and dirt, operator training and skill, and established company standards.

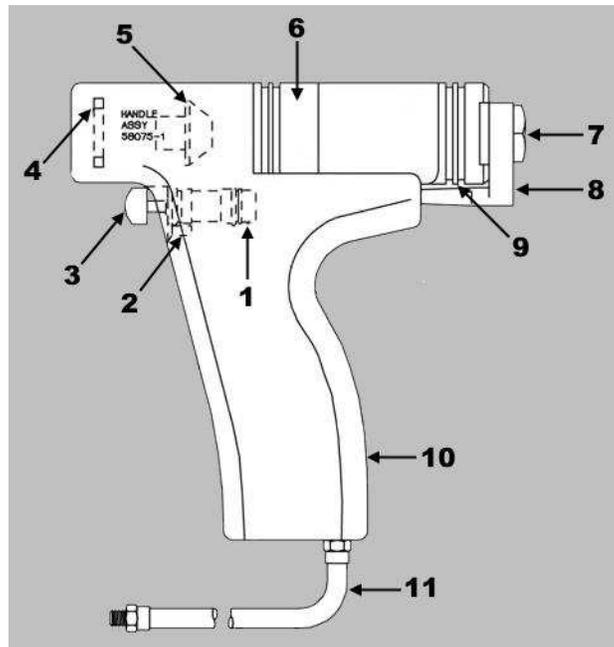
- Remove any accumulated film with a suitable cleaning agent that does not affect plastic material.

Check the handle assembly 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 shown in Figure 5.

Figure 5: Customer-replaceable parts



Item	Part number	Description	Quantity per assembly
<b>1</b>	27174-1	Valve, poppet	1
<b>2</b>	1-21003-3	Screw, flat head socket cap	1
<b>3</b>	28472-1	Push button trigger, valve actuator	1
<b>4</b>	312140-1	Key	1
<b>5</b>	312141-1	Nut, cam adjustment	1
<b>6</b>	312157-1	Air cylinder	1
<b>7</b>	310421-1	Plug, cap	1
<b>8</b>	310424-1	Bracket, air cylinder	1
<b>9</b>	21086-6	O-ring	2
<b>10</b>	312156-1	Handle	1
<b>11</b>	312622-2	Subassembly, air tube	1

Stock and control a complete inventory to prevent lost time when replacement of parts is necessary. Parts other than those listed should be replaced by TE to ensure quality and reliability of the handle assembly. Order replacement parts through your TE representative. You can also order parts by any of the following methods:

- Go to [TE.com](http://TE.com) and click the **Shop TE** link at the top of the page.
- Call 800-522-6752.
- Write to:

CUSTOMER SERVICE (038-035)  
 TE CONNECTIVITY CORPORATION  
 PO BOX 3608  
 HARRISBURG PA 17105-3608

For customer repair services, call 800-522-6752.

## 8. REVISION SUMMARY

Revisions to this instruction sheet include:

- Removed CE label from Figure 5.
- Reformatted to match current standard for instruction sheets.