

TM 9-4940-660-14&P

TECHNICAL MANUAL

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

FOR

HEATER, GUN TYPE, ELECTRICAL
MODEL 5630

(NSN 4940-00-785-1162)

ALTON IRON WORKS, INC.

HEADQUARTERS, DEPARTMENT OF THE ARMY

AUGUST 1981

Technical Manual }
No. 9-4940-660-14&P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 7 August 1981

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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 gun type heater is issued.

Manufactured by: Alton Iron Works, Inc.
1475 Palisado Avenue, PO Box 544
Windsor. CT 06095

Procured under Contract No. DAAA09-77-M-6181

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 - 84027
- 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 5630
- 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 - 84027 followed by a colon and manufacturer's Part Number for the repair part.

(b) Complete Remarks field as follows:

: (nomenclature of repair part)

For: NSN: 4940-00-785-1162

Manufacturer: Alton Iron Works, Inc.

1475 Palisado Avenue, PO Box 544

Windsor, CT 06095

Model: No. 5630

Serial: (of end item)

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

SECTION I

INTRODUCTION AND DESCRIPTION

1. Scope

This technical manual describes and gives instructions for the operation and care, with an illustrated parts list, for a Heater, Gun Type, Electrical, Model 5630.

2. Purpose

The thermal gun (Fig.1) is a portable hand or stand operated unit that produces a flameless concentrated heat. This heat can be used for shrinking thermo plastic tubing, molded parts, etc.

3. Description

This heating device contains an electric motor which drives a blower wheel. Air from the blower flows across a heater element. When the heater element is unenergized (control switch in the COOL position), a cool stream of air emanates from the gun nozzle. When the control switch is placed to Heat the heater element is energized and will produce heat that is forced from the gun nozzle in a concentrated stream by the blower wheel. In the HEAT position, the elevated temperature of air flow is almost instantaneous and can be controlled within a range of 300°F to 500°F by an adjustable intake cover on the side of the unit. See Fig. 2, the electrical schematic/wiring of the thermal gun.

4. Leading Particulars

Envelope size:	10- x 10- x 5-inches
Electrical input requirements:	110-120 V(AC-DC), 14 amps
Air delivery velocity:	3,000 lineal ft/min
Air delivery volume:	28 cubic ft/min
Operating temp. @ room ambient (74°F), air control position:	open: 300°F, half: 400°F, and closed: 500°F
Weight:	1 lb (approximate).