

TABLE OF CONTENTS

CHAPTER 1 - INTRODUCTION	
1-1 Scope	3
1-2 Technical Specifications	5
1-3 Voltage to time graph	6
1-4 Temperature to time graph	7
CHAPTER 2 - OPERATING PROCEDURES	
2-1 Hot air tool controls	8
2-2 Unpacking hot air tool	9
2-3 Installation of Batteries	10
2-4 Setup procedures	10
2-5 Change of nozzles	11
2-6 Charging batteries	11
2-7 Preparation for movement after use	12
2-8 Preparation for shipment and storage	13
2-9 Storage of batteries	13
2-10 Shipping batteries	13
2-11 Operation in unusual weather conditions	13
CHAPTER 3 - MAINTENANCE INSTRUCTIONS	
3-1 Troubleshooting Procedures	15
3-2 Removal and Replacement of Heating Element	17
3-3 Replacement of wiring harness	17
3-4 Replacement of hot air tool	18
3-5 Replacement of battery pack	19
3-6 Cleaning of air filter	19
3-7 Checkout After Repair	19
3-8 Wiring Diagram	20
CHAPTER 4 - PARTS LISTS	
4-1 Introduction	21
4-2 Explanation of Columns	21
4-3 Repair parts lists	21
4-4 Parts diagram	23
4-5 Accessories	24
4-6 Spare parts recommendation	25
CHAPTER 5 - BATTERY CHARGER	
5-1 Scope	26
5-2 Technical Specifications	28
5-3 Battery adapter	29
5-4 Block Diagram	30
5-5 Charger controls	32
5-6 Preliminary set-up procedures	33
5-7 Charging procedures	34
5-8 LED status display summary	35
5-9 State-of-charge (SOC) Battery displays	35
5-10 Battery Capacity retention	36
5-11 Battery charger cover label	36
5-12 Operation in unusual weather conditions	37
5-13 Preparation for movement	37
5-14 Charger Maintenance instructions	38

CHAPTER 6 - BATTERY SCOPE AND SPECIFICATIONS	
6-1 Scope	39
6-2 Features	39
6-3 Operation	39
6-4 Trouble shooting	39
6-5 State-of-charge	41
6-6 Testing specifications	41
6-7 Battery repair procedures	42
6-8 Technical specifications	42
CHAPTER 7 - WARRANTY INFORMATION	
7-1 Warranty info MCH-100, Battery Charger and Batteries ..	43

Any questions regarding operation, maintenance, repairs, parts, and accessories can be directed to Malcom Company through our toll free number from the USA at 800-289-7505 or from other parts of the world by calling 401-625-5099. We also have a web site at www.militayheatgun.com where you can place orders and email us with questions at any time.