

OPERATOR'S MANUAL

INCLUDING: OPERATION, INSTRUCTION, INSTALLATION, MAINTENANCE AND PARTSBOOK

**IMPORTANT: READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING OR SERVICING
THIS TOOL.**

AITCH BONE CUTTER

TOOL DATA

MODEL: M-6

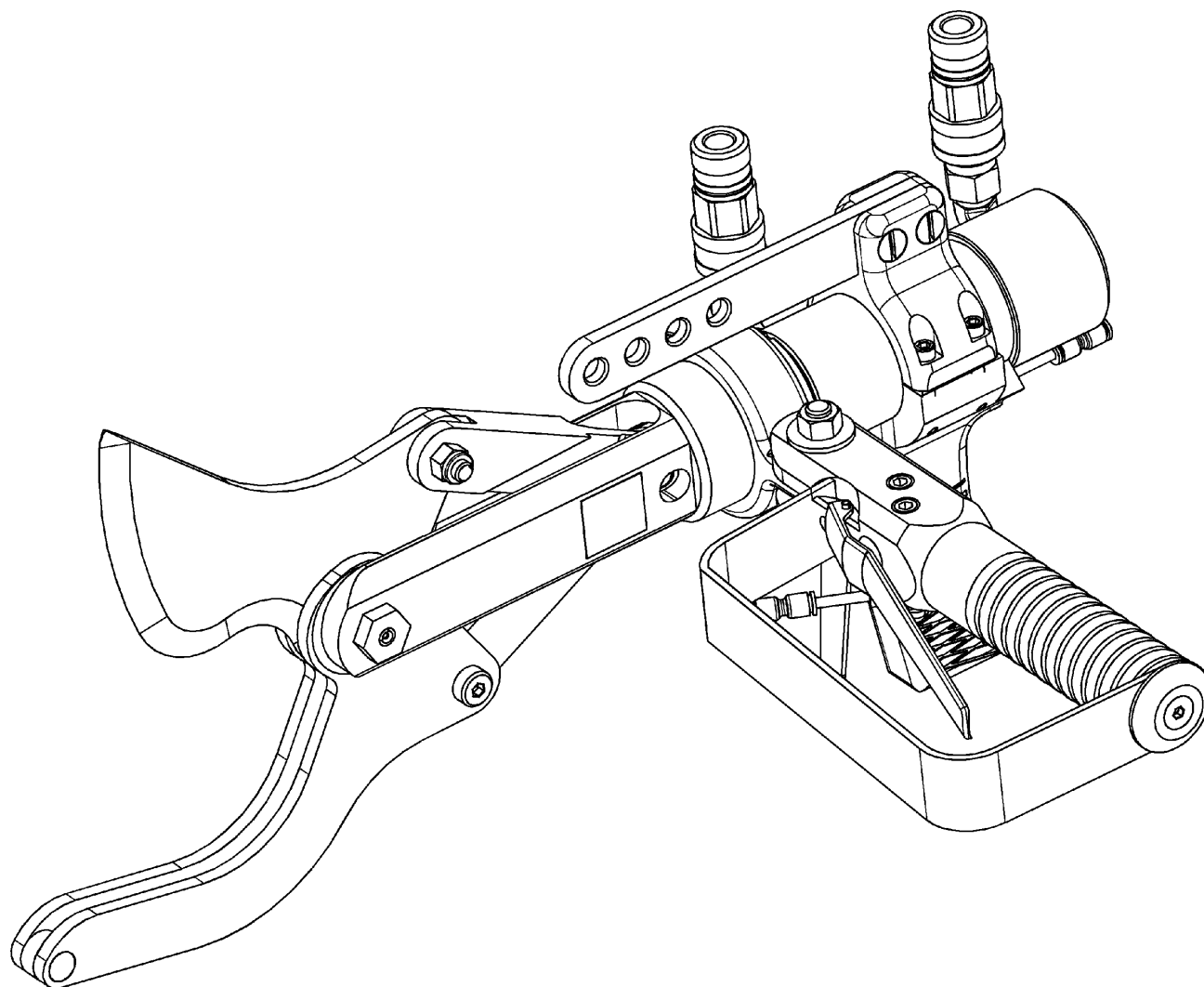
ASSEMBLY NO. 6608000

TYPE: AIR / HYDRAULICALLY OPERATED

NET WEIGHT: 16 LBS (7.3 KG)

HYDRAULIC PRESSURE: 2000 P.S.I. MAXIMUM

INLET AIR PRESSURE: 90 P.S.I. (6-7 BARS)



 WARNING	= Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.
 CAUTION	= Hazards or unsafe practices which could result in minor personal injury, product or property damage.
 NOTICE	= Important installation, operation or maintenance information.

OPERATING AND SAFETY INSTRUCTIONS

-  **WARNING** DO NOT OPERATE THIS TOOL UNTIL YOU HAVE READ AND UNDERSTOOD THE SAFETY INSTRUCTIONS AND OPERATING MANUALS.
-  **WARNING** DO NOT OPERATE THIS TOOL UNTIL YOU HAVE RECEIVED TRAINING IN THE HANDLING, OPERATION AND USE OF THIS TOOL.
-  **WARNING** STOP USING A MALFUNCTIONING OR DEFECTIVE TOOL IMMEDIATELY. REPORT ANY PROBLEMS OR DEFECTS TO YOUR SUPERVISOR FOR REMOVAL OF THE TOOL FROM SERVICE.
-  **WARNING** DO NOT ATTEMPT TO REPAIR THE TOOL YOURSELF.
-  **WARNING** DO NOT ALLOW UNAUTHORIZED PERSONS TO USE TOOL.
-  **WARNING** REMOVE AND DISCONNECT POWER FROM THE TOOL WHEN TOOL IS LEFT UNATTENDED OR IS NOT IN USE.
-  **WARNING** NEVER TIE DOWN, BYPASS, ALTER OR MODIFY THE ACTIVATING SWITCHES OR TRIGGERS OF THIS TOOL.
-  **WARNING** NEVER MAKE ALTERATIONS OR MODIFICATIONS TO THIS TOOL.
-  **WARNING** BE CONSTANTLY AWARE AND ALERT FOR UNSAFE CONDITIONS AND REPORT THEM IMMEDIATELY TO YOUR SUPERVISOR.
-  **WARNING** NEVER PLACE YOUR HAND OR ANY PART OF YOUR BODY IN THE CUTTING PATH OF THE TOOL.
-  **WARNING** NEVER ALLOW ANYONE ELSE TO PLACE THEIR HANDS OR ANY PART OF THEIR BODY IN THE CUTTING PATH OF THE TOOL.
-  **WARNING** DO NOT ACTIVATE CONTROL SWITCHES OR TRIGGERS OF THIS TOOL UNLESS YOU INTEND TO TEST OR OPERATE THIS TOOL.
-  **WARNING** DO NOT USE THIS TOOL FOR ANY PURPOSE OTHER THAN IT'S INTENDED PURPOSE.
-  **CAUTION** WHEN OPERATING THIS TOOL WEAR THE PROTECTIVE GEAR AND SAFETY EQUIPMENT SUPPLIED TO YOU.
-  **WARNING** THE NOISE EMISSION (SOUND PRESSURE LEVEL) AT THE WORKSTATION MAY EXCEED 80 dB (A). EAR AND SOUND PROTECTION GEAR IS REQUIRED.

OPERATING INSTRUCTIONS

⚠ WARNING ONLY TRAINED PERSONNEL ARE TO OPERATE THIS TOOL.

1. TO ENSURE TOOL IS OPERATING PROPERLY, PERFORM FOLLOWING STEPS AT START OF EACH SHIFT:
 - MAKE SURE TOOL MOVES UP AND DOWN FREELY WHILE HANGING FROM BALANCER OVERHEAD.
 - WITH POWER TO TOOL TURNED ON, TEST TRIGGER FOR PROPER OPERATION.
 - DEPRESS EACH TRIGGER SEPARATELY. TOOL SHOULD NOT ACTIVATE. DEPRESS BOTH TRIGGERS. TOOL SHOULD ACTIVATE.
 - IF TOOL HAS "ANTI-TIE DOWN" OPTION, BOTH TRIGGERS MUST BE DEPRESSED SIMULTANEOUSLY FOR TOOL TO ACTIVATE.
2. TO PERFORM WORK, HOLD TOOL FIRMLY AT BOTH HANDLES. SQUEEZE TRIGGERS TO ACTIVATE TOOL.
3. POSITION TOOL AND PERFORM CUTTING OPERATION.

MAINTENANCE

⚠ WARNING ONLY TRAINED AND QUALIFIED PERSONNEL ARE TO PERFORM MAINTENANCE AND SERVICE TO THIS TOOL.

1. MAKE ALL NECESSARY LINE CONNECTIONS TO THE TOOL.
2. AN AIR FILTER-REGULATOR-LUBRICATOR (PART NO. 7200030) MUST BE INSTALLED IN AIR SUPPLY FOR EACH TOOL.
3. FILL LUBRICATOR WITH KENTMASTER AIR MIST OIL (PART NO. 7903050). SET DRIP RATE ACCORDING TO INSTRUCTIONS SUPPLIED. TURN ADJUSTMENT ON SIGHT FEED DOME TO INCREASE/DECREASE OIL DELIVERY. MONITOR THE DEVICE BEING LUBRICATED AND READJUST IF NEEDED.
4. TOOL REQUIRES 90 P.S.I. AIR PRESSURE.
5. TOOL REQUIRES GREASING AFTER EVERY SHIFT. GREASE USING KENTMASTER GREASE (PART NO. 7903070).

BLADE REMOVAL AND CLEANING.

⚠ WARNING ALWAYS DISCONNECT POWER SUPPLY FROM TOOL BEFORE INSTALLING OR REMOVING BLADE FROM TOOL.

⚠ WARNING ALWAYS WEAR WIRE MESH GLOVES WHEN INSTALLING OR REMOVING BLADE FROM TOOL.

TO REMOVE OR CHANGE BLADES (PROCEDURE NOT NECESSARY TO CLEAN BLADES):

1. REMOVE (2) NUTS AND (2) BOLTS (ITEMS NO. 24 AND 28)
2. REMOVE PIN AND NUT (ITEM NO. 9 AND 25, FIG. NO. 1).
3. SLIDE OUT BLADES AND SLEEVE (ITEMS 10 AND 1).
4. CLEAN ALL PARTS REMOVED WITH SOAP AND WATER.
5. SHARPEN OR REPLACE BLADES WHEN NECESSARY.
6. REASSEMBLE IN REVERSE ORDER.

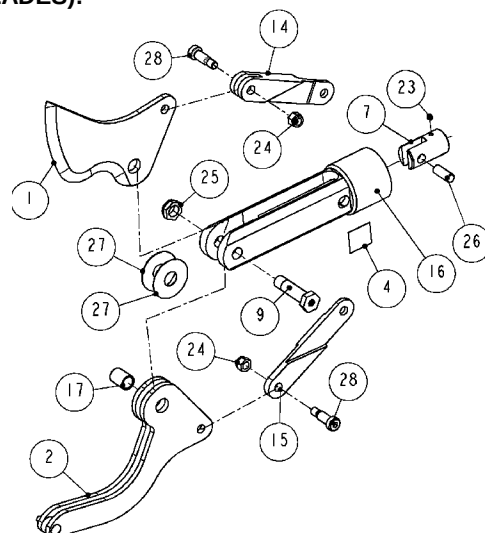
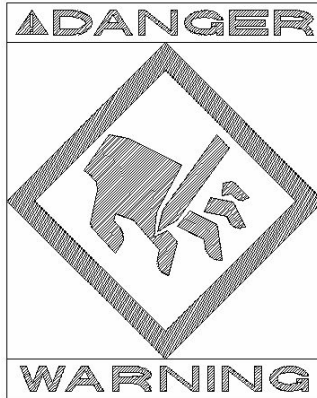
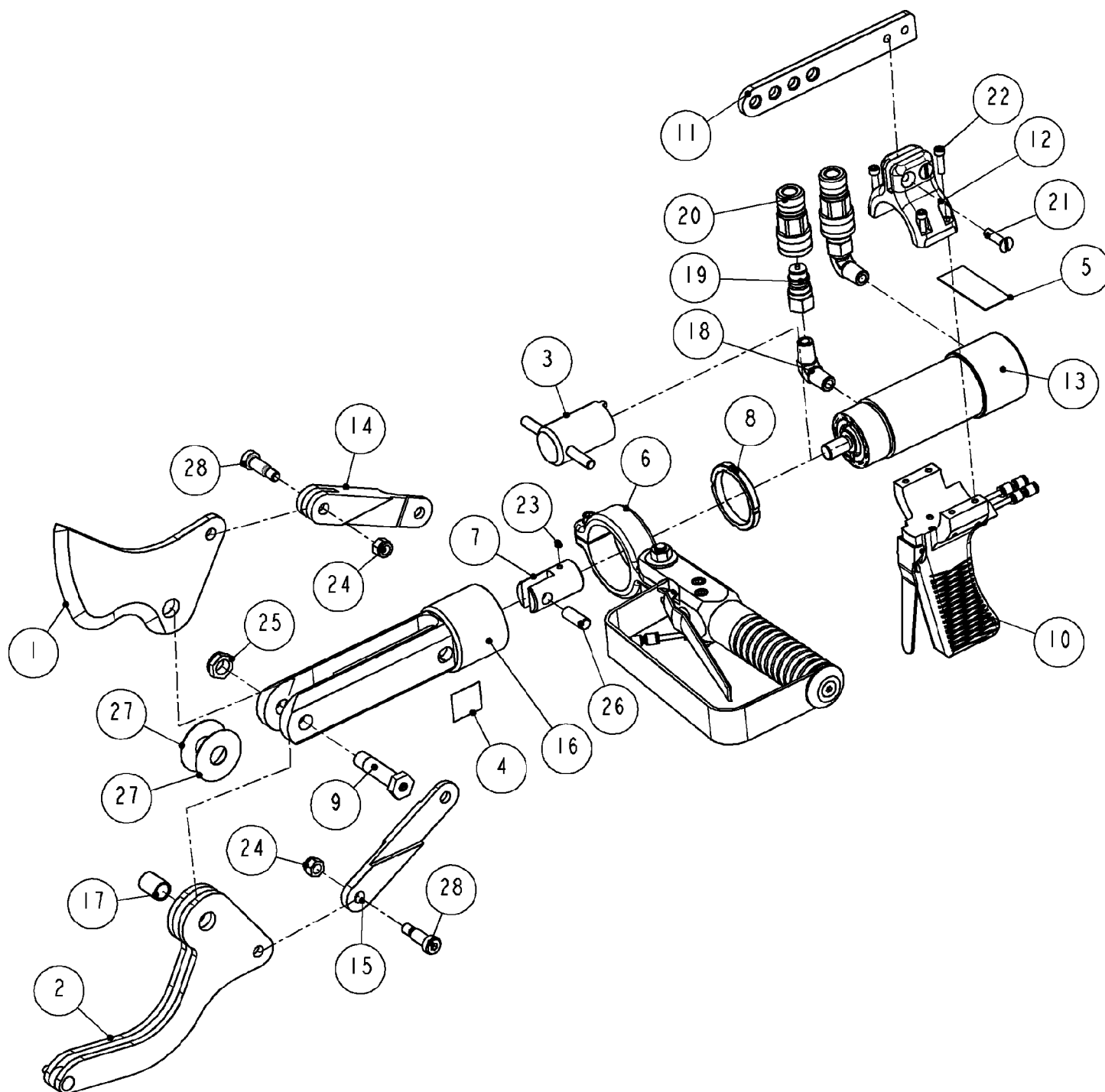


Figure 1 MODEL M-6 – BLADE REPLACEMENT

SERVICE

1. KEEP GOOD RECORDS OF ALL SERVICE ACTIVITY AND INCLUDE TOOL IN PREVENTIVE MAINTENANCE PROGRAM.
2. USE ONLY GENUINE KENTMASTER REPLACEMENT PARTS TO ASSURE PROPER PERFORMANCE OF TOOL.
3. CONTACT THE KENTMASTER SUPPLIER NEAREST YOU FOR PARTS AND CUSTOMER SERVICE INFORMATION.



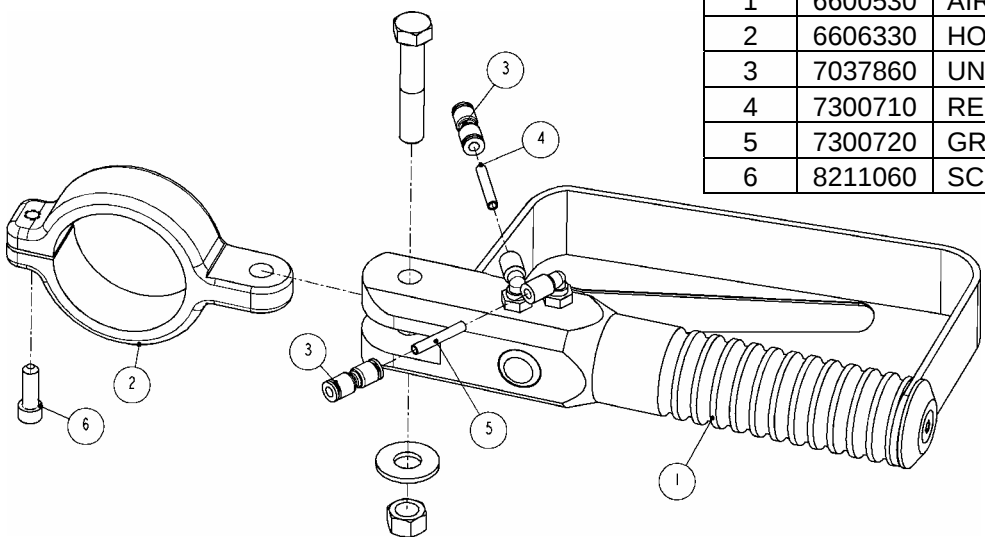
PARTS BOOK**MAIN ASSEMBLY****Figure 2 MODEL "M-6" – MAIN ASSEMBLY**

6608000: M-6 - AITCH BONE CUTTER				
ITEM	PART #		DESCRIPTION	QTY
1	SHORT BLADE SET	6608200	BLADE - TOP (SHORT - STANDARD)	1
2		6608210	BLADE - BOTTOM (SHORT - STANDARD)	1
1	LONG BLADE SET	6608290	BLADE - TOP (LONG)	1
2		6608300	BLADE - BOTTOM (LONG)	1
3	4501830		TOOL, PACKING NUT - OPTIONAL	1
4	4505020		LABEL, DANGER/WARNING	1
5	6515300		NAME PLATE	1
6	6606190		FRONT HANDLE - COMPLETE	1
7	6606230		CLEVIS	1
8	6606240		LOCK NUT	1
9	6606320		PIN, BLADES	1
10	6606360		REAR HANDLE ASSEMBLY	1
11	6606390		HANGER	1
12	6606400		BRACKET - HANGER	1
13	6606480		CYLINDER ASSEMBLY	1
14	6608220		LINK, CONNECTING - TOP	1
15	6608230		LINK, CONNECTING - BOTTOM	1
16	6608240		YOKE	1
17	6608280		SLEEVE	1
18	7004010		ELBOW, 90 DEG	2
19	7035000		COUPLER	2
20	7035010		COUPLER	2
21	8011080		SCREW	2
22	8209060		SCREW	4
23	8336010		SET SCREW	1
24	8504130		NUT	2
25	8504720		NUT	1
26	8621210		PIN	1
27	8705420		WASHER	2
28	8870330		SCREW	2

Figure 3 BOM FOR MODEL "M-6"

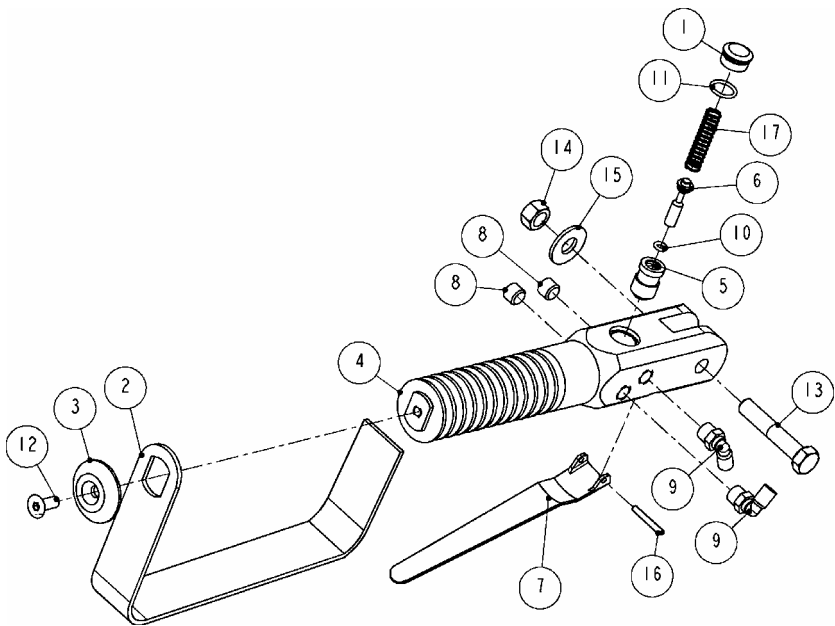
HANDLES

FRONT HANDLE



6606190: FRONT HANDLE - COMPLETE			
ITEM	PART #	DESCRIPTION	QTY
1	6600530	AIR HANDLE	1
2	6606330	HOLDER, STRAIGHT HANDLE	1
3	7037860	UNION	2
4	7300710	RED AIR TUBE	1
5	7300720	GREEN AIR TUBE	1
6	8211060	SCREW	1

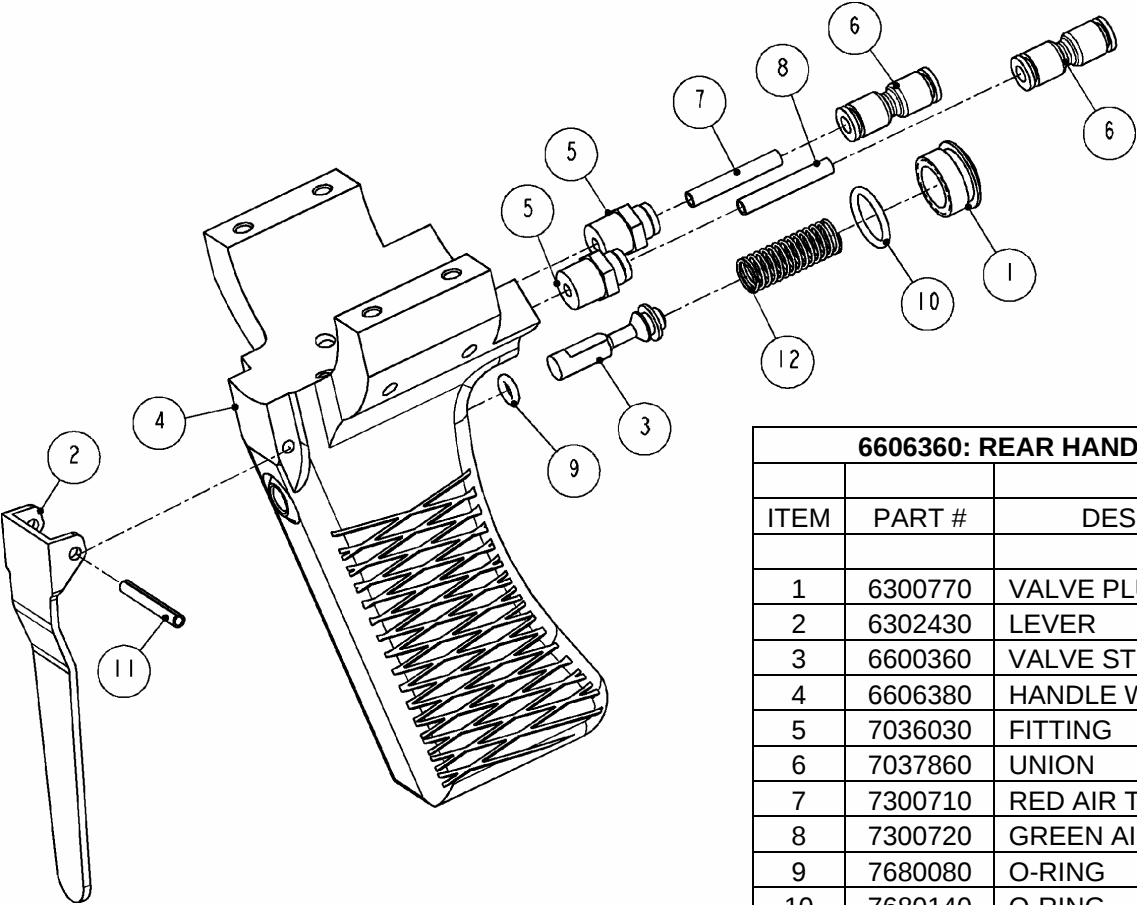
Figure 4 6606190: FRONT HANDLE – COMPLETE



6600530: AIR HANDLE			
ITEM	PART #	DESCRIPTION	QTY
1	6300770	VALVE PLUG	1
2	6541690	GUARD	1
3	6541720	RETAINER	1
4	6600340	HANDLE	1
5	6600350	BUSHING	1
6	6600360	VALVE STEM	1
7	6600500	LEVER	1
8	7000010	PLUG	2
9	7036510	ELBOW	2
10	7680080	O-RING	1
11	7680140	O-RING	1
12	8241050	SCREW	1
13	8415160	SCREW	1
14	8500150	NUT	1
15	8505160	WASHER	1
16	8653140	PIN	1
17	8890010	SPRING	1

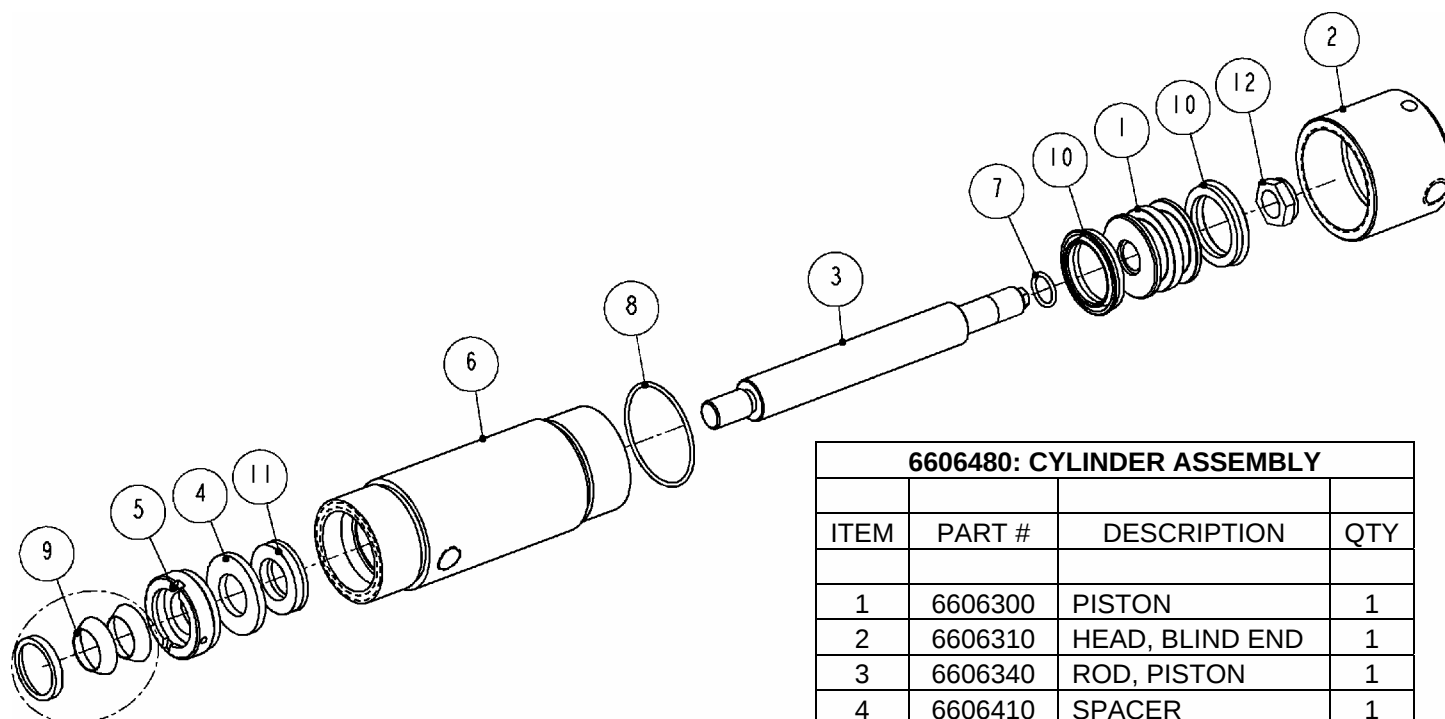
Figure 5 6600530: AIR HANDLE

REAR HANDLE



6606360: REAR HANDLE ASSEMBLY			
ITEM	PART #	DESCRIPTION	QTY
1	6300770	VALVE PLUG	1
2	6302430	LEVER	1
3	6600360	VALVE STEM	1
4	6606380	HANDLE WITH BUSHING	1
5	7036030	FITTING	2
6	7037860	UNION	2
7	7300710	RED AIR TUBE	1
8	7300720	GREEN AIR TUBE	1
9	7680080	O-RING	1
10	7680140	O-RING	1
11	8653140	PIN	1
12	8890010	SPRING	1

Figure 6 6606360: REAR HANDLE - COMPLETE

CYLINDER ASSEMBLY

6606480: CYLINDER ASSEMBLY			
ITEM	PART #	DESCRIPTION	QTY
1	6606300	PISTON	1
2	6606310	HEAD, BLIND END	1
3	6606340	ROD, PISTON	1
4	6606410	SPACER	1
5	6606420	NUT	1
6	6606430	CYLINDER	1
7	7680140	O-RING	1
8	7680310	O-RING	1
9	7710260	SEAL-GUARD SET	1
10	7710510	SEAL	2
11	7711110	SEAL	1
12	8504720	NUT	1

HYDRAULIC CYLINDER DISASSEMBLY

1. LOOSEN SET SCREW, ITEM 22 - FIGURE 2. SCREW CLEVIS, ITEM 7 – FIGURE 2, OFF OF ROD, ITEM 3 – FIG. 7.
2. SCREW CYLINDER, ITEM 6 – FIG. 7, OUT OF HEAD, ITEM 2.
3. PULL OUT ROD AND PISTON ASSEMBLY.
4. FROM FRONT END OF CYLINDER, ITEM 6, PULL GUARD, ITEM 9 (3 PIECES) OUT.
5. USING MAINTENANCE TOOL (OPTIONAL), ITEM 2 – FIG 2, SCREW NUT OUT OF CYLINDER, ITEMS 5 AND 6.
6. PULL OUT SPACER AND SEAL, ITEMS 4 AND 11.

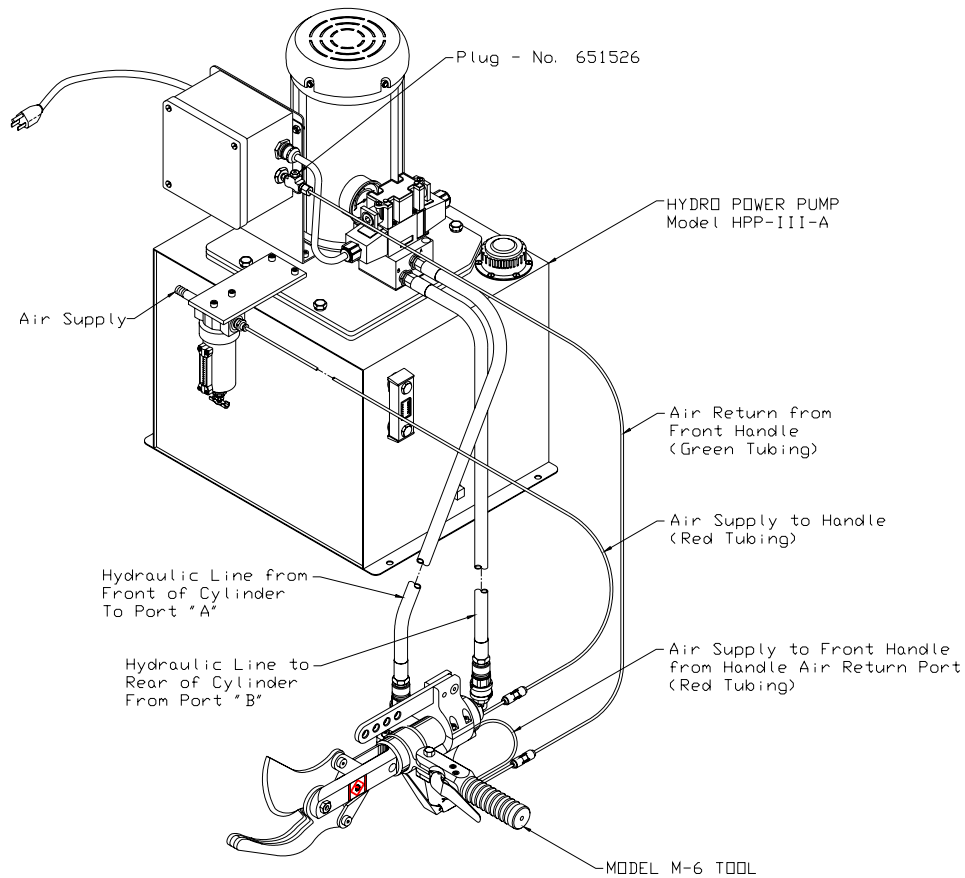
HYDRAULIC CYLINDER REASSEMBLY

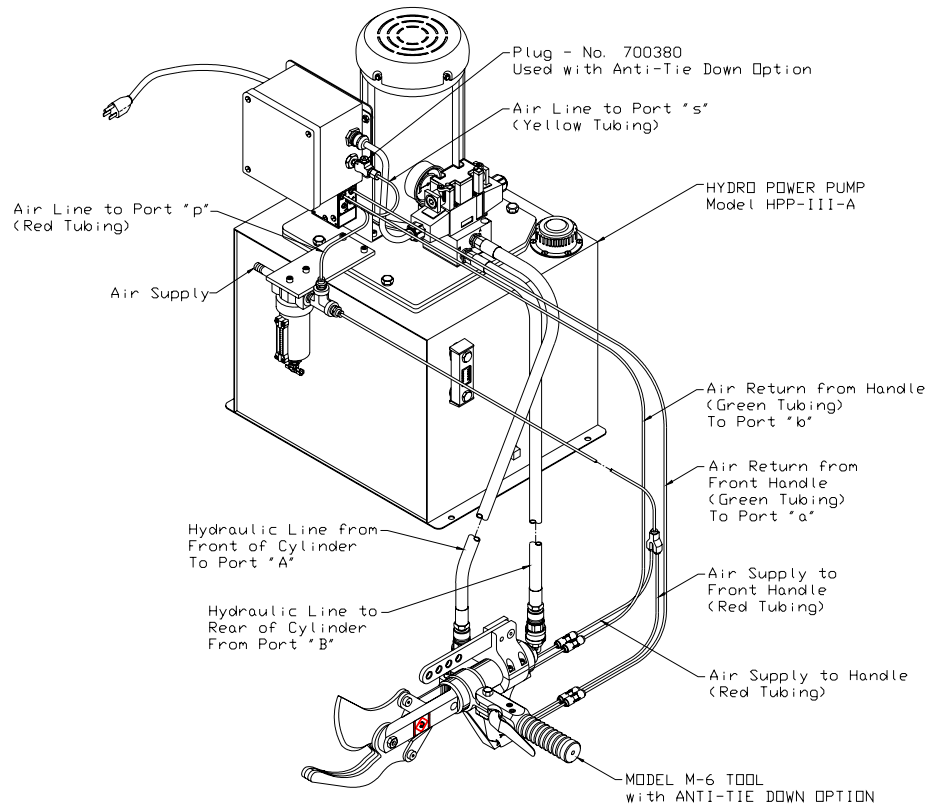
1. CLEAN AND LUBRICATE ALL PARTS PRIOR TO REASSEMBLY.
2. REASSEMBLY PARTS IN REVERSE ORDER.



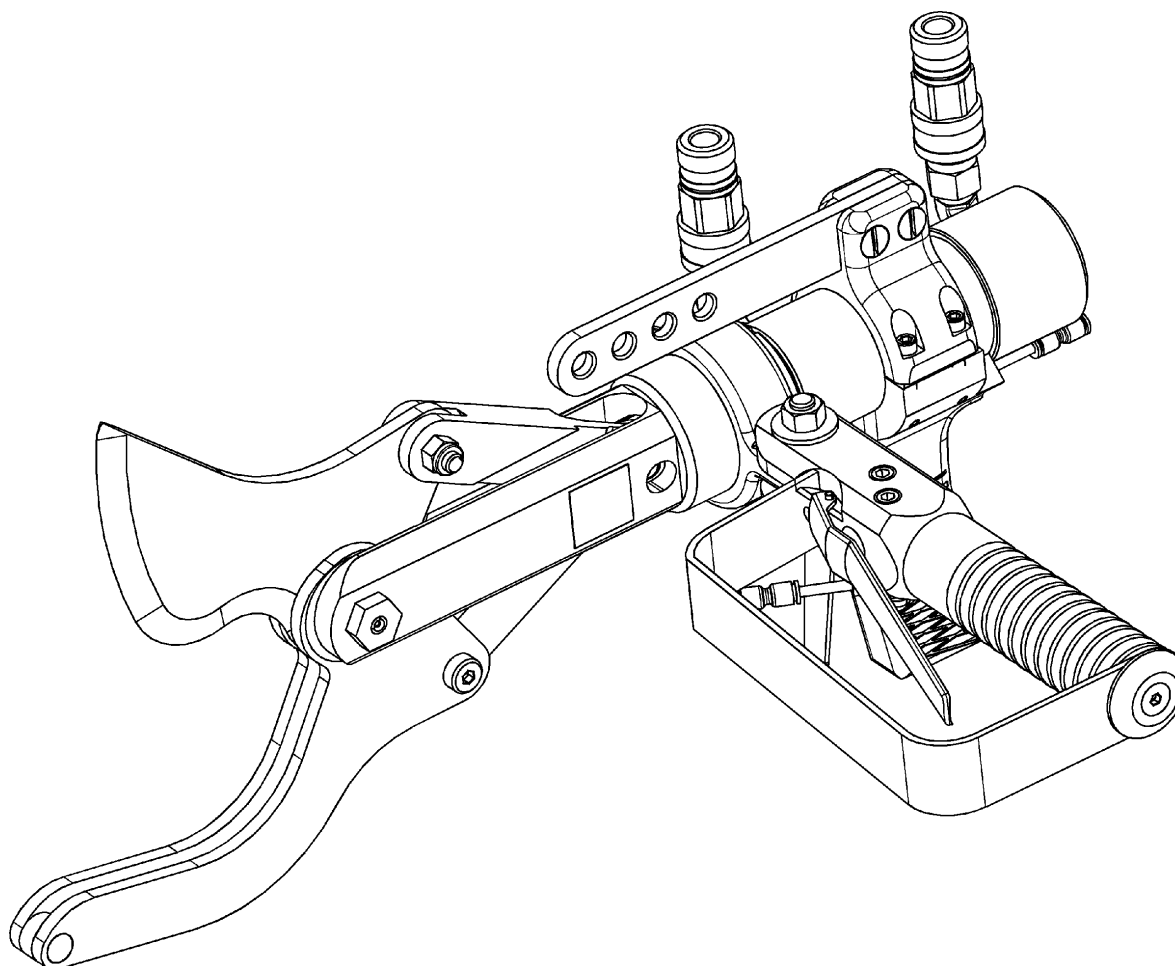
ALWAYS DISCONNECT POWER SUPPLY FROM TOOL BEFORE INSTALLING OR REMOVING BLADE FROM TOOL.

Figure 7 6606480: HYDRAULIC CYLINDER ASSEMBLY

M-6 TUBING DIAGRAM**WITHOUT ANTI-TIE DOWN OPTION****Figure 8 M-6 TUBING DIAGRAM – WITHOUT ANTI-TIE DOWN**

WITH ANTI-TIE DOWN OPTION**Figure 9 M-6 TUBING DIAGRAM – WITH ANTI-TIE DOWN**

[ENGLISH]

GENERAL INFORMATION

MODEL
"M-6" AITCH BONE CUTTER

SERVICE CENTERS

KENTMASTER LTD. (U.K)
 16 AVONBANK INDUSTRIAL CENTRE
 WEST TOWN ROAD
 AVONMOUTH - BRISTOL BS11 9DE
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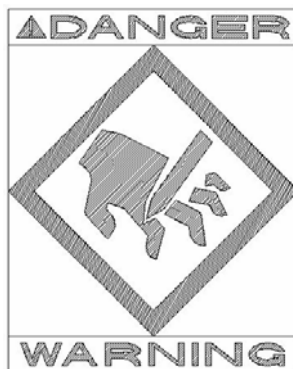
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KENTMASTER MFG. CO., INC.
 1801 SOUTH MOUNTAIN AVE.
 MONROVIA, CALIFORNIA 91016
 UNITED STATES OF AMERICA

☎ TELEPHONE: (626) 359-8888
 FAX: (626) 303-5151

NOTICE TO EMPLOYER AND PURCHASER OF TOOL
NOTICE TO SAFETY DIRECTOR

You have purchased a powerful tool that, if misused, can cause severe injury and harm to your employees. You must instruct your employees in the safe and proper use of this tool and to follow the safety procedures and instructions that have been supplied by the manufacturer of this tool. Please follow the following instructions.



1. Instruct tool operators to test the tool each day before using it to be sure it does not malfunction. Remove and repair any tool that malfunctions.
2. Instruct tool operators to immediately stop using a tool that malfunctions or is defective.
3. Instruct personnel to immediately remove all tools that malfunction. Be sure to disconnect tool from power supply.
4. Instruct all personnel to stay clear of tool, and not to stand or walk in front of, or next to tool when in use.
5. Point out to all personnel the dangers related to the misuse of tool and the importance of following safety procedures and instructions.
6. Do not make, or allow others to make, alterations or modifications to this tool. Replace all lost or illegible labels.
7. Follow all safety, installation and maintenance instructions provided with this tool. Establish proper safety procedures in accordance with local and national requirements to prevent accidental energizing of tool that can cause injuries.
8. If this tool is sold or change in ownership takes place, you must provide the new owner all safety instructions, notices and maintenance instructions you were originally provided. You can obtain additional copies of the instructions from Kentmaster, free of charge upon request.
9. Give copies of instructions to:
 - (A) Tool Operators**
 - (B) Maintenance Supervisor**
 - (C) Clean-up Supervisor**

GENERAL INFORMATION

COVERING: SAFETY PRECAUTIONS AND PLACING INTO SERVICE

HYDRAULICALLY OPERATED AITCH BONE CUTTER

**READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING OR SERVICING THIS
TOOL**

IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PLACE THIS INFORMATION INTO THE HANDS OF THE OPERATOR.

PLACING INTO SERVICE

 **WARNING** = Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

 **CAUTION** = Hazards or unsafe practices which could result in minor personal injury, product or property damage.

 **NOTICE** = Important installation, operation or maintenance information.

 **WARNING** Installation, adjustment repair and maintenance of this tool must be made by trained and qualified personnel.

 **WARNING** Always disconnect power supply from tool before:
(A) Installing or removing blade from tool.
(B) Making repairs or adjustments to the tool.
(C) performing maintenance or cleanup work.

DECLARATION OF CONFORMITY

DECLARATION OF CONFORMITY

DECLARATION DE CONFORMITE -DECLARACION DE CONFORMIDAD- ERKLARUNG BEZUGLICH EINHALTUNG DER VORSCHRIFTEN
DICHIARAZIONE DI CONFORMITA . CONFORMITEITSVERKLARING

MANUFACTURED BY:

FABRIQUE PAR:
FABRICADA POR:
HERGESTELLTVON:
FABBRICATO DA:
VERVAARDIGD DOOR:

KENTMASTER MFG CO., INC.

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UNITED STATES OF AMERICA
TELEPHONE (626) 359-8888 FAX (626) 303-5151**

TYPE / SERIES: AITCH BONE CUTTER

TYPE / SERIE:
TIPO / SERIE:
TYP / SERIE:
TIPO / SERIE:
TYPE / SERIE:

MODEL: M-6

MODELE:
MODELO:
MODELL:
MODELLO:
MODEL:

SERIAL NO. RANGE: XXXXXX

N SERIE: • GAMA DE No. DE SERIE: • SERIEN-NR.-BEREICH: • NUMERI DI SERIE: • SERIENUMMERS:

This product complies with the following European Community Directives:

Ce produit est conforme aux directives de la Communauté européenne suivantes:
Este producto cumple con las siguientes Directrices de la Comunidad Europea:
Dieses Produkt erfüllt die folgenden Vorschriften der Europäischen Gemeinschaft:
Questo prodotto è conforme alle seguenti direttive CEE:
Dit produkt voldoet aan de volgende EG-richtlijnen:

89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC

The following Standards were used to verify compliance with the Directives:

Les normes suivantes ont été utilisées pour vérifier la conformité avec les Directives:
Las siguientes Normas se usaron para verificar el cumplimiento de las Directrices:
Folgende Normen wurden angewandt, um Erfüllung der Vorschriften zu bestätigen:
Per verificare la conformità del prodotto alle direttive sono stati usati i seguenti standard:
De volgende normen zijn gebruikt om naleving van de richtlijnen te bevestigen:

EN 292

Approved by: _____

Date: JAN - 1 - 1995

RALPH KARUBIAN MONROVIA, CA. U.S.A
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