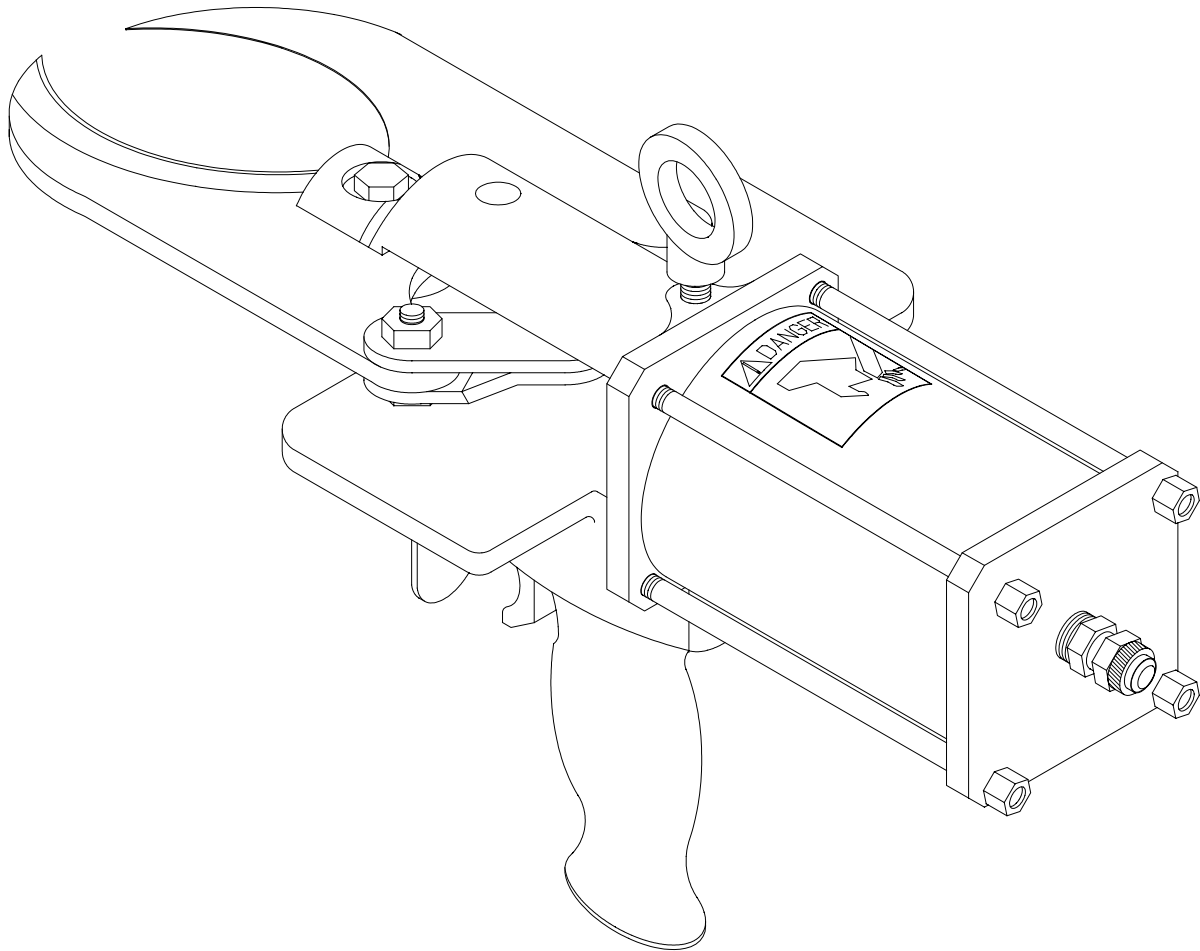




Model CPP Hock and Neck Cutter



EQUIPMENT SELECTION Ordering No.

Model CPP Package	4307001
Balancer	1350147
Control Circuit	3350016
Air Hose (Yellow)	3323005
Cylinder Supply Hose (White)	3323006
Cylinder Return Hose (Red) ..	1323032
Model CPP	4307002

TABLE OF CONTENTS Page

- Safety Messages to Employer and Safety Director 2
- Safety Messages to Operators, Maintenance and Cleanup Personnel 3
- Parts Diagram and List 4
- Specifications 6
- Installation Instructions 6
- Operation Instructions 6
- Maintenance Instructions 7

JARVIS®

6223005:...

PRODUCTS CORPORATION

33 ANDERSON ROAD, MIDDLETOWN, CONNECTICUT 06457-4926
 UNITED STATES OF AMERICA E-MAIL sales@jarvisproducts.com
 TEL. 860-347-7271 FAX. 860-347-6978 WWW.jarvisproducts.com



SAFETY MESSAGES TO EMPLOYER AND SAFETY DIRECTOR
AVOID INJURY

1. **Ensure** that all employees who use this tool are trained in the proper use of this tool and are aware of the dangers that may arise if they do not follow procedures outlined in this brochure.
2. **Enclosed** are four (4) copies of “NOTICE TO OPERATORS, MAINTENANCE AND CLEANUP PERSONNEL.” Post one copy on the employees’ bulletin board; give one copy to the operator(s); give one copy to the maintenance foreman; and give one copy to the sub-contract cleanup / internal cleanup foreman. *Additional copies will be provided upon request.*
3. The tool is designed and intended to be powerful. This fact should be obvious to your employees, but you must emphasize it to them.
4. **Ensure** that all employees who use this tool wear a steel mesh glove at all times. **Do not rely** on the steel mesh glove for safety; employees who use this tool must be instructed to keep their free hand(s) away from the cutting edge, the cutting path and the path of the moving links.
5. **Ensure** that proper procedures are established in accordance with OSHA’s lockout/tagout procedures (29 CFR 1910.147) to prevent accidental startup or release of stored energy.
6. **Remove and repair** any tool that malfunctions. **All** personnel must be instructed to remove any malfunctioning equipment.
7. **Never** make modifications or alterations to the tool. *Replace any missing or illegible labels.*
8. **Follow** our installation and maintenance instructions for proper installation and care of the tool.
9. **Avoid** injury. Do not permit the tool to be misused.
10. If you **resell** or **distribute** a Jarvis product, you must provide the purchaser with the appropriate safety sheets and tool brochure. *Additional copies of safety sheets and tool brochures will be provided upon request.*



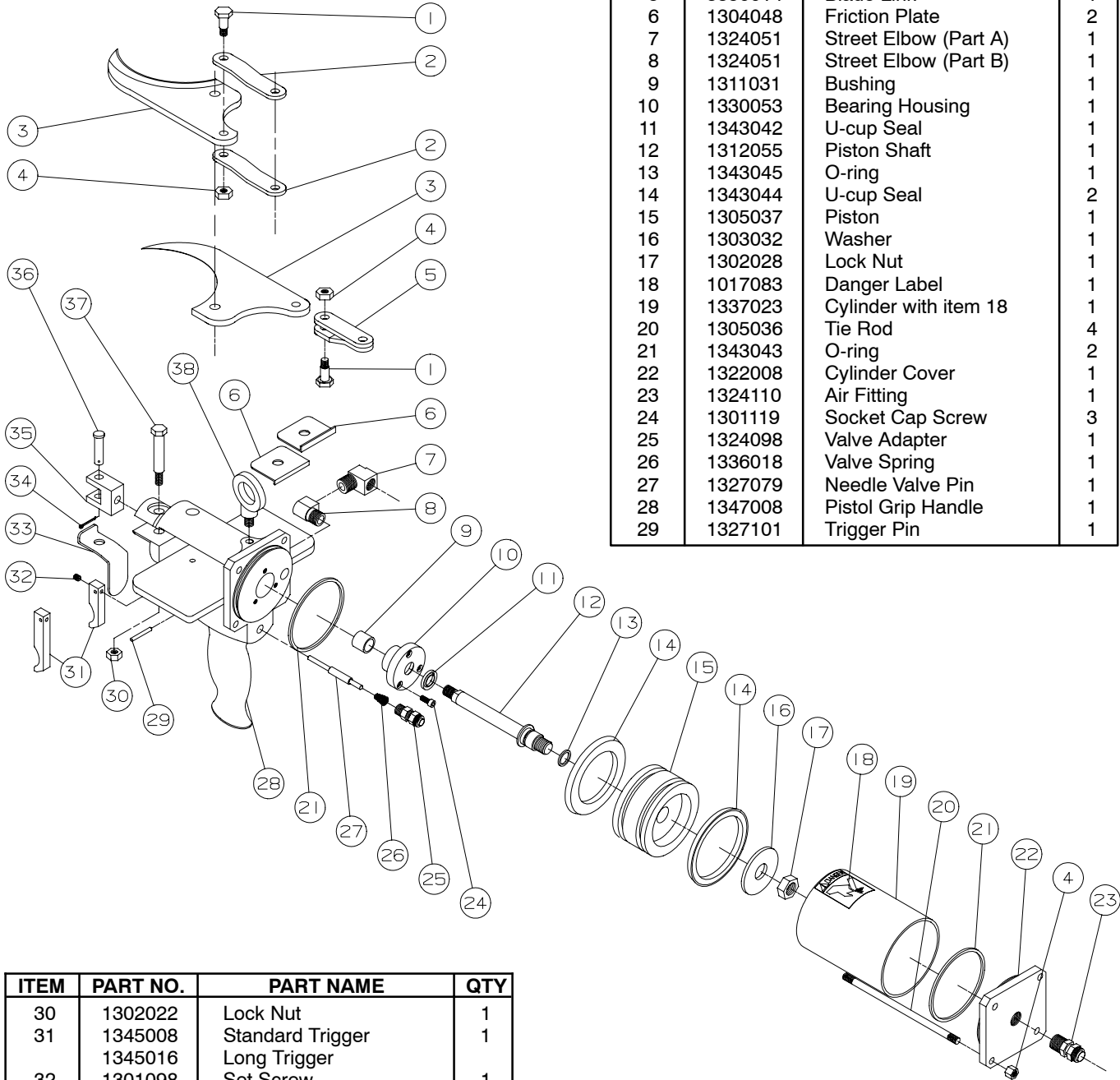
**SAFETY MESSAGES TO OPERATORS, MAINTENANCE AND CLEANUP
PERSONNEL**

***REMOVE ANY MALFUNCTIONING TOOL FROM SERVICE
REPORT ANY PROBLEMS TO YOUR SUPERVISOR***

1. **Disconnect** all air hoses in accordance with OSHA's lockout/tagout procedures (29 CFR 1910.147) before sharpening blades.
2. **Disconnect** all air hoses in accordance with OSHA's lockout/tagout procedures (29 CFR 1910.147) before performing any repair or maintenance.
3. **Disconnect** all air hoses - or have all air hoses disconnected - in accordance with OSHA's lockout/tagout procedures (29 CFR 1910.147) before performing any cleanup.
4. **Disconnect** all air hoses when the tool is not being used.
5. **Never** put fingers, hands or other parts of the body on the cutting edge, in the cutting path or in the path of the moving links.
6. **Always** wear a steel mesh glove on that hand that is not operating the tool.
7. **Test** the tool prior to use daily. **Pull** the trigger and the blades should close. **Release** the trigger and the blades should open. *If the tool malfunctions, remove it from service and report or repair it immediately.*
8. **Never** depress the trigger unless you want to use or test the tool.
9. **Never** make modifications or alterations to the tool. *Report or replace any missing or illegible labels.*

Model CPP

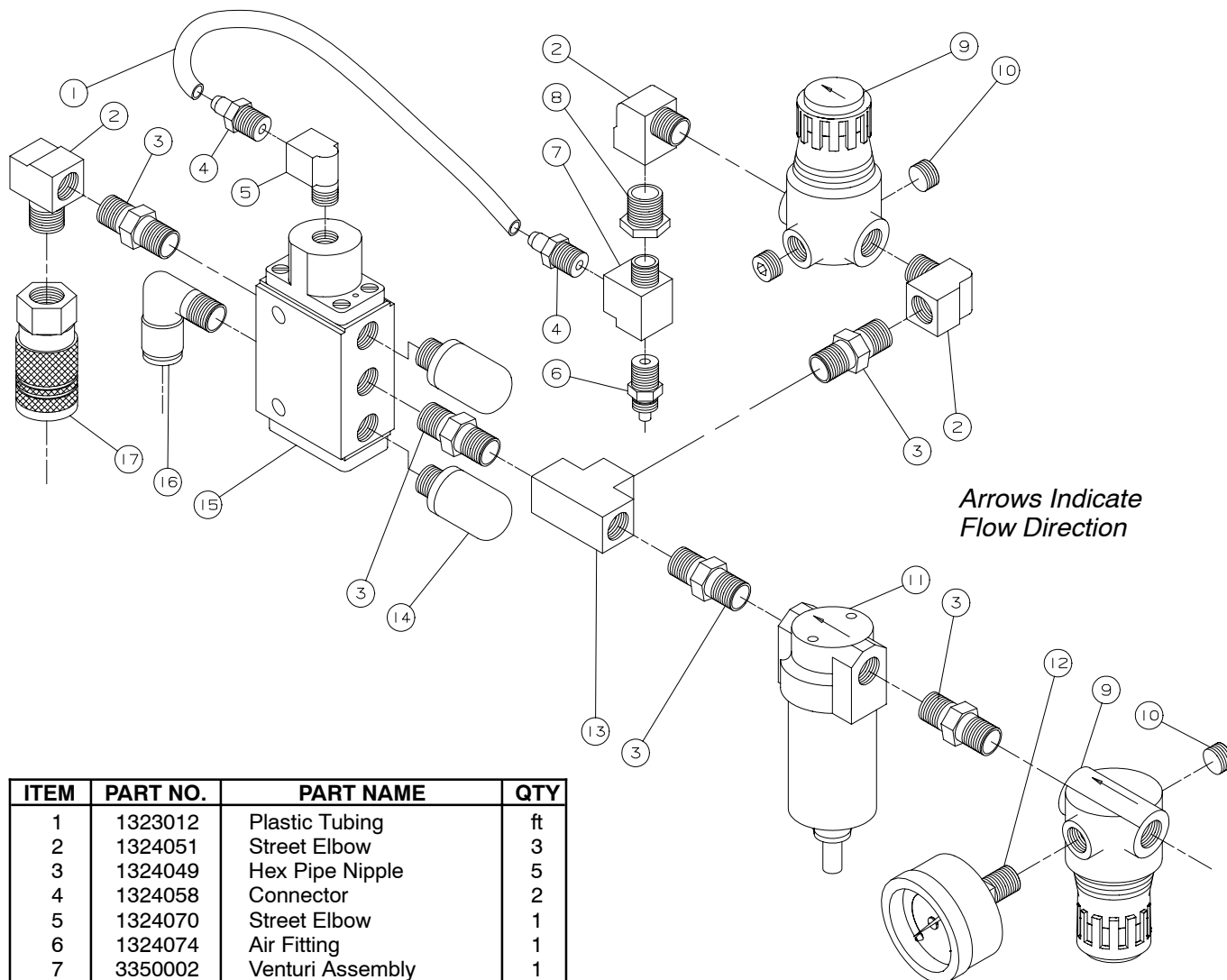
Figure A



ITEM	PART NO.	PART NAME	QTY
1	1301115	Link Bolt	2
2	1350155	Blade Link	2
3	1332053	Blade	2
4	1302027	Lock Nut	10
5	3350014	Blade Link	1
6	1304048	Friction Plate	2
7	1324051	Street Elbow (Part A)	1
8	1324051	Street Elbow (Part B)	1
9	1311031	Bushing	1
10	1330053	Bearing Housing	1
11	1343042	U-cup Seal	1
12	1312055	Piston Shaft	1
13	1343045	O-ring	1
14	1343044	U-cup Seal	2
15	1305037	Piston	1
16	1303032	Washer	1
17	1302028	Lock Nut	1
18	1017083	Danger Label	1
19	1337023	Cylinder with item 18	1
20	1305036	Tie Rod	4
21	1343043	O-ring	2
22	1322008	Cylinder Cover	1
23	1324110	Air Fitting	1
24	1301119	Socket Cap Screw	3
25	1324098	Valve Adapter	1
26	1336018	Valve Spring	1
27	1327079	Needle Valve Pin	1
28	1347008	Pistol Grip Handle	1
29	1327101	Trigger Pin	1

ITEM	PART NO.	PART NAME	QTY
30	1302022	Lock Nut	1
31	1345008	Standard Trigger	1
	1345016	Long Trigger	
32	1301098	Set Screw	1
33	1341009	Trigger Guard	1
34	1327065	Cotter Pin	1
35	1310050	Yoke	1
36	1327100	Yoke Pin	1
37	1301114	Blade Pivot Bolt	1
38	1301116	Eye Bolt	1

**Control Circuit for CPP
Figure B**



*Arrows Indicate
Flow Direction*

ITEM	PART NO.	PART NAME	QTY
1	1323012	Plastic Tubing	ft
2	1324051	Street Elbow	3
3	1324049	Hex Pipe Nipple	5
4	1324058	Connector	2
5	1324070	Street Elbow	1
6	1324074	Air Fitting	1
7	3350002	Venturi Assembly	1
8	1324063	Reducer Bushing	1
9	1350067	Air Regulator	2
10	1324039	Hex Socket Pipe Plug	3
11	1350050	Air Filter	1
12	1350048	Air Pressure Gage	1
13	1324050	Pipe Tee	1
14	1324101	Silencer	2
15	1346017	Air Valve	1
16	1324111	Elbow Connector	1
17	1324114	Quick Connect Coupling	1

SPECIFICATIONS

Model CPP

Capacity	Limited by operator skill avg.1000/hr		Blade Opening		
Air Consumption (per cycle)	0.108 ft ³	3.1 L	At Tips	2.3 in	59 mm
			Widest	2.7 in	70 mm
Operating Pressure	90 psi	6.1 bar	Overall Length	17 in	419 mm
Control Handles	single trigger		Weight	10.2 lbs	4.6 kg

INSTALLATION INSTRUCTIONS

- 1 Suspend the CPP from balancer (1350147).
- 2 Make the necessary air connection. *Note: connect the air hoses to the CPP prior to connecting the air hoses to the control circuit.*
 - 2.1 The required compressed air supply is 0.108 ft³ / cycle at 90 psi (3.1 L / cycle at 6.1 bar).
 - 2.2 The control circuit (3350016) must be installed in the air supply line. *Attach the air supply into the control circuit air regulator (item 9, Figure B, page 5).*
 - 2.2.1 Attach the yellow air hose (3323005) from the CPP trigger fitting (item 25, Figure A, page 4) to the control circuit air fitting (item 6, Figure B, page 5).
 - 2.2.2 Attach the white cylinder supply hose (3323006) from the CPP cylinder fitting (item 23, Figure A, page 4) to the control circuit elbow connector (item 16, Figure B, page 5).
 - 2.2.3 Attach the red cylinder return hose (item 1323032) from the CPP fitting (item 7, Figure A, page 4) to the control circuit quick connect plug (item 17, Figure B, page 5).

OPERATION INSTRUCTIONS

IMPORTANT: ALWAYS DISCONNECT ALL AIR HOSES IN ACCORDANCE WITH OSHA'S LOCKOUT/TAGOUT PROCEDURES (29 CFR 1910.147) BEFORE INSTALLING OR REMOVING A BLADE. ALWAYS DISCONNECT ALL AIR HOSES IN ACCORDANCE WITH OSHA'S LOCKOUT/TAGOUT PROCEDURES (29 CFR 1910.147) BEFORE PERFORMING ANY MAINTENANCE OR REPAIRS.

- 1 Connect all air hoses to the CPP.
- 2 Connect all air hoses to the control circuit.
- 3 *Each day*, before you begin operation, perform the following:
 - 3.1 Make sure that the compressed air is at the proper pressure.
 - 3.2 Make sure that the CPP moves freely on the balancer.
- 4 Making the cut.
 - 4.1 Place the CPP cutter around the hock or neck of the carcass.
 - 4.2 Depress the trigger to close the blades.
 - 4.3 Release the trigger to open the blades.
- 3.3 Make sure that you are wearing a steel mesh glove on the hand that will *not* be operating the Model CPP.
- 3.4 Make sure that the Model CPP is working correctly. **Depress** the trigger and the blades should close. **Release** the trigger and the blades should open. *If the tool malfunctions, remove it from service and report the problem to your supervisor immediately.*

MAINTENANCE INSTRUCTIONS

IMPORTANT: ALWAYS DISCONNECT ALL AIR HOSES IN ACCORDANCE WITH OSHA'S LOCKOUT/TAGOUT PROCEDURES (29 CFR 1910.147) BEFORE INSTALLING OR REMOVING A BLADE. ALWAYS DISCONNECT ALL AIR HOSES IN ACCORDANCE WITH OSHA'S LOCKOUT/TAGOUT PROCEDURES (29 CFR 1910.147) BEFORE PERFORMING ANY MAINTENANCE OR REPAIRS.

5 DAILY.

- 5.1 Make sure that the Model CPP is working correctly. **Depress** the trigger and the blades should close. **Release** the trigger and the blades should open. *If the tool malfunctions, repair it or remove it from service immediately.*

Note: connect the air line to perform the above operation only.

1 BLADE AND BLADE LINK DISASSEMBLY.

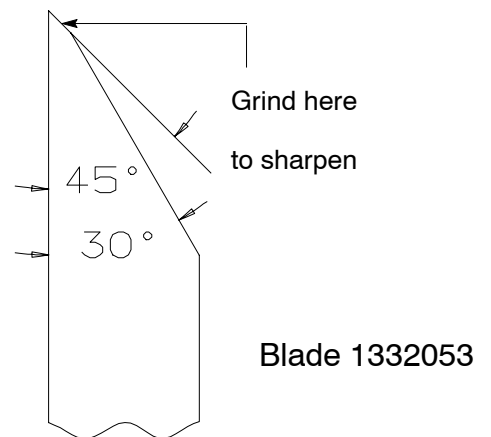
- 1.1 Remove link bolts (item 1, Figure A, page 4) and locknuts (item 4, Figure A, page 4).
- 1.2 Remove blade pivot bolt (item 37, Figure A, page 4) and locknut (item 30, Figure A, page 4).
- 1.3 Remove blades (item 3, Figure A, page 4), friction plates (item 6, Figure A, page 4), and trigger guard (item 33, Figure A, page 4).
- 1.4 Remove cotter pin (item 34, Figure A, page 4).
- 1.5 Extend the piston shaft (item 12, Figure A, page 4).
- 1.5.1 The hole in the pistol grip handle (item 28, Figure A, page 4) must line up with the yoke pin (item 36, Figure A, page 4).
- 1.6 Remove yoke pin (item 36, Figure A, page 4).
- 1.6.1 Use a drive pin punch.

- 1.6.2 The yoke pin must be punched out from the smaller hole in the pistol grip handle through the larger hole in the pistol grip handle.

- 1.7 Remove blade links (item 2, Figure A, page 4) and blade link (item 5, Figure A, page 4).

- 1.8 Inspect all parts for wear and replace if necessary.

- 1.9 Inspect blades (item 3, Figure A, page 4) for wear and sharpen if necessary.



2 CYLINDER DISASSEMBLY.

- 2.1 Remove lock nuts (item 4, Figure A, page 4) and tie rods (item 20, Figure A, page 4).
- 2.2 Remove cylinder cover (item 22, Figure A, page 4).
- 2.3 Remove cylinder (item 19, Figure A, page 4).
- 2.4 Remove lock nut (item 17, Figure A, page 4) from piston shaft (item 12, Figure A, page 4).
- 2.4.1 Hold the piston shaft steady by placing a $\frac{3}{8}$ inch wrench on the the piston shaft's flats.

- 2.5 Remove seals, piston, and washer (items 14-16, Figure A, page 4).
- 2.6 Remove the yoke (item 35, Figure A, page 4) from the piston shaft (item 12, Figure A, page 4).
- 2.6.1 Use a dowel pin punch through the yoke's holes and a $\frac{3}{8}$ inch wrench on the piston shaft's flats to remove the yoke.
- 2.7 Remove piston shaft (item 12, Figure A, page 4).
- 2.8 Remove socket head cap screws (item 24, Figure A, page 4).
- 2.9 Remove bearing housing (item 10, Figure A, page 4).
- 2.10 Remove u-cup seal (item 11, Figure A, page 4) from bearing housing (item 10, Figure A, page 4).
- 2.11 Inspect all parts for wear and replace if necessary.
- ### 3 CYLINDER ASSEMBLY.
- 3.1 Reverse steps and procedures outlined in steps 2.1-2.10. See notes below:
- 3.1.1 All nylock nuts are less effective after removal. Use *Loctite 242* when reassembling items 4, 17 and 30, Figure A, page 4.
- 3.1.2 Be sure that u-cup seal (item 11, Figure A, page 4) faces cylinder cover (item 22, Figure A, page 4) when bearing housing (item 10, Figure A, page 4) is placed in pistol grip handle (item 28, Figure A, page 4).
- 3.1.3 Use *Loctite 242* when fastening yoke (item 35, Figure A, page 4) to piston shaft (item 12, Figure A, page 4).
- 3.1.4 Be sure that u-cup seals (item 14, Figure A, page 4) are placed back-to-back on piston (item 15, Figure A, page 4).
- 3.1.5 Be sure, when placing the piston (item 15, Figure A, page 4) on the piston shaft (item 12, Figure A, page 4), that the piston's deeper cavity faces the pistol grip handle (item 28, Figure A, page 4).
- ### 4 BLADE AND BLADE LINK ASSEMBLY.
- 4.1 Reverse steps and procedures outlined in steps 1.1-1.7. See notes below:
- 4.1.1 All nylock nuts are less effective after removal. Use *Loctite 242* when reassembling items 4, 17 and 30, Figure A, page 4.
- 4.1.2 Blade link (item 5, Figure A, page 4) is placed in between blade links (item 2, Figure A, page 4).