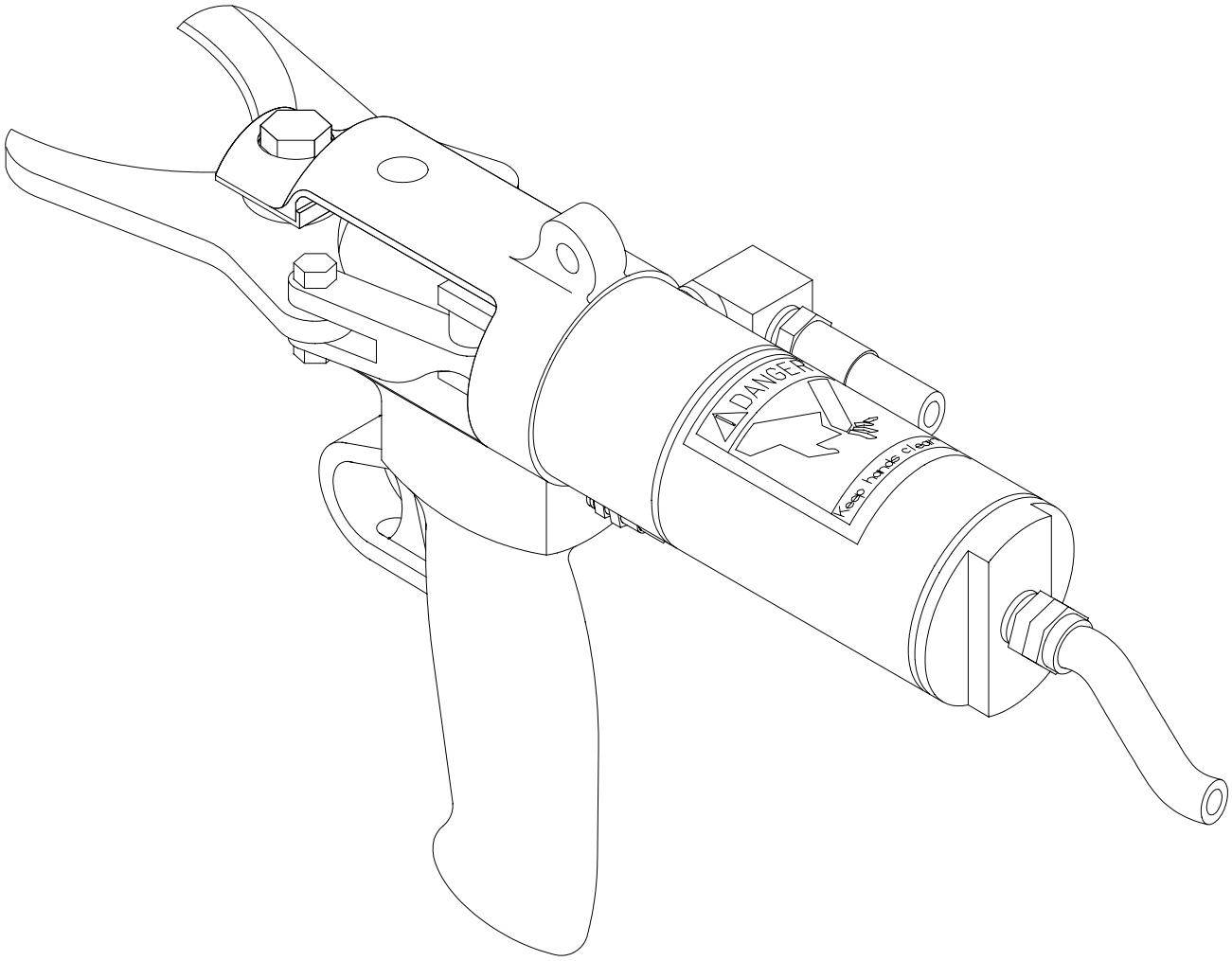
Model CPE
Hock and Neck Cutter



EQUIPMENT SELECTION . . . . . Ordering No.	
Model CPE with Control Circuit .	4304003
Model CPE only	4304004
Balancer	1350084
Control Circuit	3350010
Air Hose (Yellow)	3323003
Cylinder Supply Hose (White)	3323004
Cylinder Return Hose (Red) .	1323011

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SAFETY MESSAGES TO EMPLOYER AND SAFETY DIRECTOR

AVOID INJURY

1. **Remove** and **repair** any tool that malfunctions. **All** personnel must be instructed to remove any malfunctioning equipment.
2. **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.
3. **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.*
4. **Ensure** that all employees who use this tool wear a steel mesh safety 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. The tool is designed and intended to be powerful. This fact should be obvious to your employees, but you must emphasize it to them.
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.*

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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 the hand that is not operating the tool.
7. **Never** pull the trigger on the pistol grip handle unless you want to use or test the tool.
8. **Test** the tool prior to use or daily. **Pull** the trigger on the pistol grip handle and the blades should close. **Release** the trigger on the pistol grip handle and the blades should open. *If the tool malfunctions, remove it from service and report or repair it immediately.*
9. **Never** make modifications or alterations to the tool. *Report or replace any missing or illegible labels.*

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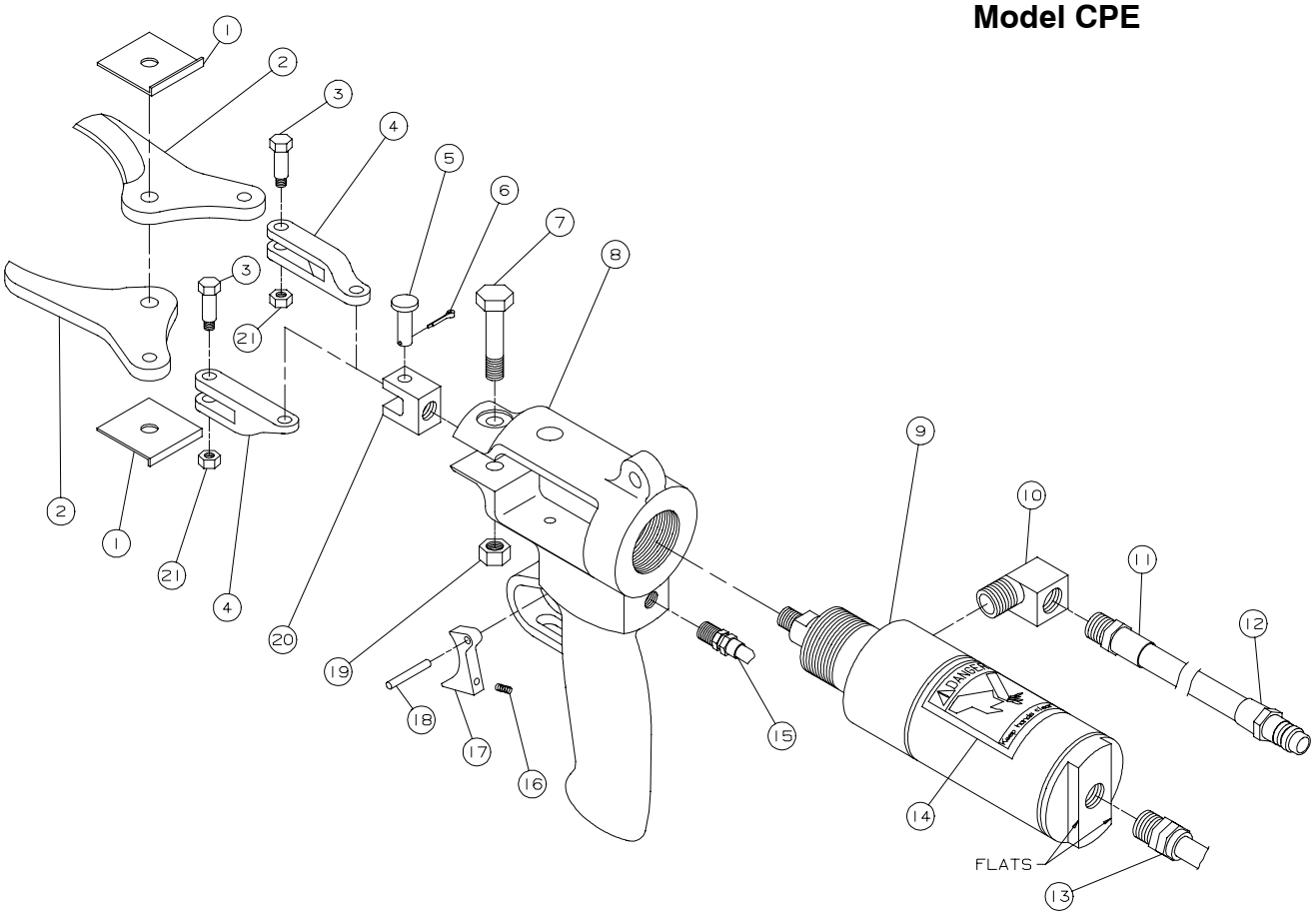
Figure A
Model CPE



ITEM	PART NO.	PART NAME	QTY
1	1304042	Bearing Plate	2
2	1332050	Blade (standard)	2
	1332051	Blade (long)	
3	1301111	Link Bolt	2
4	1350096	Blade Link	2
5	1327073	Connecting Pin	1
6	1327065	Cotter Pin	1
7	1301102	Blade Pivot Bolt	1
8	1347006	Pistol Grip Handle (includes items 16–18)	1
9	1308020	Air Cylinder with item 14	1
10	1324051	Street Elbow	1

ITEM	PART NO.	PART NAME	QTY
11	1323011	Hose Assembly (Red) with item 12	1
12	1324071	Quick Connect Plug	1
13	3323004	Hose Assembly (White)	1
14	1017083	Danger Label	1
15	3323003	Hose Assembly (Yellow)	1
16	1336025	Spring	1
17	1345011	Trigger	1
18	1327142	Pivot Pin	1
19	1302022	Lock Nut	1
20	1310047	Yoke	1
21	1302024	Lock Nut	2

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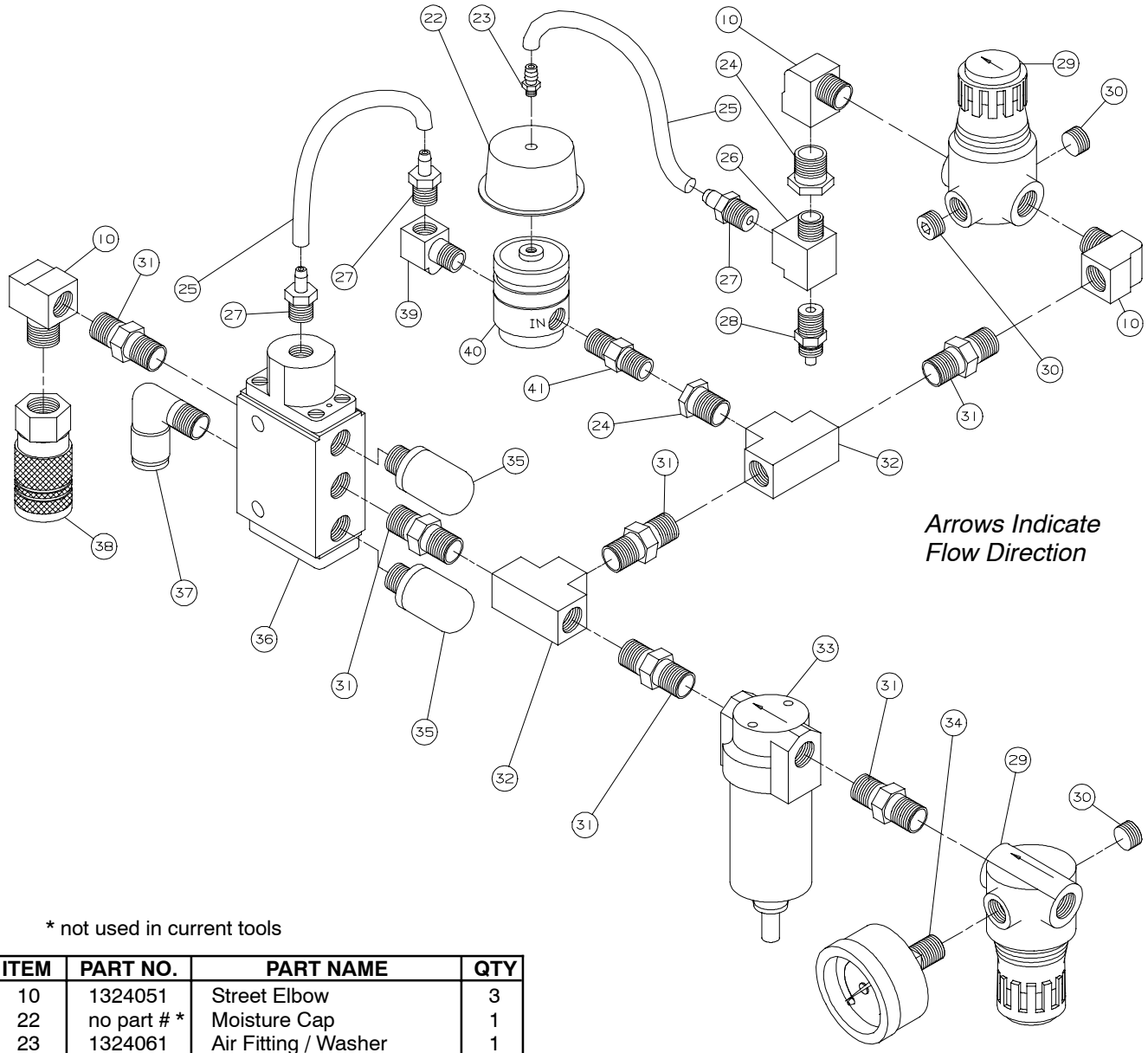
Figure B
Control Circuit for CPE
3350010



* not used in current tools

ITEM	PART NO.	PART NAME	QTY
10	1324051	Street Elbow	3
22	no part # *	Moisture Cap	1
23	1324061	Air Fitting / Washer	1
24	1324063	Reducer Bushing	2
25	1323012	Plastic Tubing	ft
26	3350002	Venturi Assembly	1
27	1324058	Tube Connector	3
28	1324074	Air Fitting	1
29	1350067	Air Regulator with item 30	2
30	1324039	Hex Socket Pipe Plug	3
31	1324049	Hex Pipe Nipple	6
32	1324050	Pipe Tee	2
33	1350050	Air Filter	1
34	1350048	Air Pressure Gage	1

ITEM	PART NO.	PART NAME	QTY
35	1324101	Silencer	2
36	1346017	Air Valve	1
37	1324111	Elbow Connector	1
38	1324078	Quick Connect Socket	1
39	1324070	Street Elbow	1
40	1350051	Air Valve	1
41	1324056	Hex Pipe Nipple	1

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SPECIFICATIONS

Model CPE

Driving Force		Pneumatic
Operating Pressure	90-125 psi	6.2-8.6 bar
Air/Cycle @ 125 psi/8.6 bar 0.043 ft^3		1.21 L
Capacity	Limited by operator skill (avg. 3000/hr)	
Control Handle		Single Air Trigger
Blade Opening	1.6 in	41 mm
Overall Length	13.5 in	343 mm
Weight	5.9 lbs	2.7 kg

INSTALLATION INSTRUCTIONS

Refer to Figures A and B on pages 4 and 5 for referenced items. Use Figure 1 as a guide for connecting air hoses from the CPE to the air control circuit.

1 Suspend the CPE from a balancer. **Jarvis** part number 1350084 is available.

1.1 The CPE should have sufficient travel to allow the operator to reach the entire work area.

2 Make the necessary air connection.

⚠ ***Note: Connect the air hoses to the CPE prior to connecting the air hoses to the air control circuit.***

2.1 The required compressed air supply is 0.043 ft^3 / cycle at 125 psi (1.21 L / cycle at 8.6 bar).

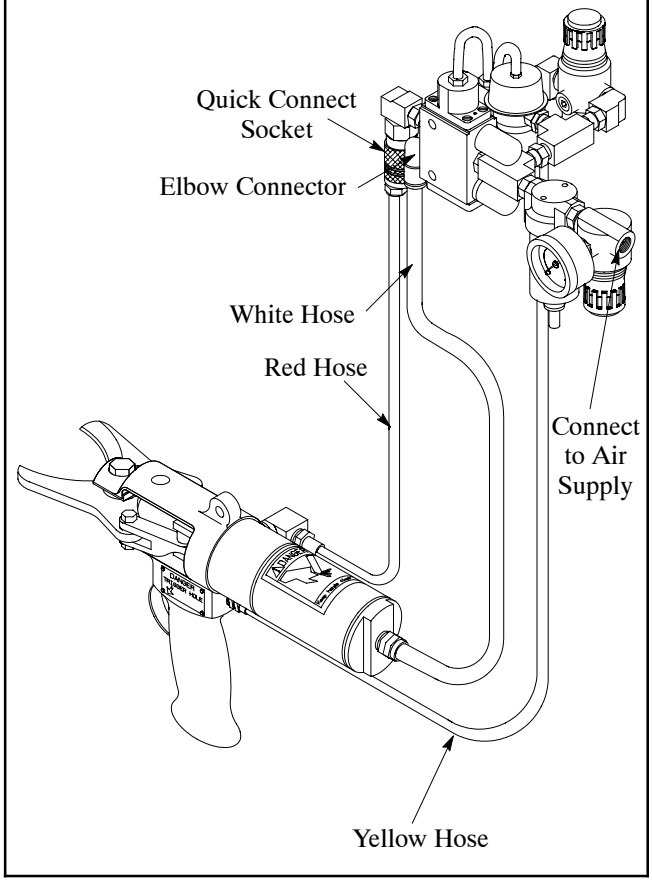
2.2 The control circuit (**Jarvis** part number 3350010) must be installed in the air supply line. Attach the air supply into the control circuit air regulator (item 29).

2.3 Attach the yellow air hose (item 15) from the CPE to the control circuit air fitting (item 28).

2.3.1 Attach the white cylinder supply hose (item 13) from the CPE to the control circuit elbow connector (item 37).

2.3.2 Attach the red cylinder return hose (item 11) from the CPE to the control circuit quick connect socket (item 38).

Figure 1
Hose Connection Diagram



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 REPAIR.***

1 Connect all air hoses to the CPE.

2 Connect all air hoses to the air 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.

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3.2 Make sure that the CPE moves freely on the balancer.

3.3 Make sure that you are wearing a steel mesh safety glove on the hand that will *not* be operating the Model CPE.

3.4 Make sure that the Model CPE is working correctly. **Squeeze** the trigger on the pistol grip handle and the blades should close. **Release** the trigger on the pistol grip handle and the blades should open. ***If the tool malfunctions, remove it from service and report the problem to your supervisor immediately.***

4 Making the cut.

4.1 Place the CPE cutter around the hock or neck of the bird.

4.2 Squeeze the trigger in the pistol grip handle to close the blades.

4.3 Release the trigger in the pistol grip handle to open the blades.

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.

Refer to Figures A and B on pages 4 and 5 for referenced items.

1 DAILY:

Each day, before you begin operation, perform the following:

1.1 Make sure that the Model CPE is working correctly. **Squeeze** the trigger on the pistol grip handle and the blades should close. **Release** the trigger on the pistol grip handle and the blades should open. ***If the tool malfunctions, repair or remove it from service immediately.***

1.2 Check that the blades are opening and closing smoothly and that they are meshing properly. If the blades do not have a smooth sliding contact during cutting, the blade pivot bolt (item 7) and hex lock nut (item 19) must be adjusted. Tighten until smooth operation is lost, then back off slightly. *Do not over-tighten.*

Note: Connect the air lines to perform the above operations only.

1.3 Inspect all hoses for leaks, cuts and abrasions and replace if necessary.

1.4 Check all fittings for leaks and tighten or replace as necessary.

2 AS NECESSARY:

2.1 Inspect blades (item 2) for wear and sharpen or replace as necessary. *Refer to Sections 3 and 4 for blade and link removal and installation procedures.*

2.2 Disassemble, clean and inspect cylinder assembly. *Refer to sections 5 and 6 as a procedural guide.*

3 BLADE AND BLADE LINK DISASSEMBLY:

3.1 Remove link bolts (item 3) and lock nuts (item 21).

3.2 Remove blade pivot bolt (item 7) and lock nut (item 19).

3.3 Remove blades (item 2) and bearing plates (item 1).

3.4 Remove cotter pin (item 6).

3.5 Slide the blade links (item 4) and extend the piston shaft (part of air cylinder item 9) until connecting pin (item 5) and yoke (item 20) are aligned with the top and bottom holes in the pistol grip handle (item 8).

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3.6 Remove connecting pin (item 5).

3.6.1 Use a pin punch through the smaller hole in the pistol grip handle (item 8) to drive the connecting pin (item 5) from the yoke (item 20). The connecting pin must be pushed out through the larger hole in the pistol grip handle.

3.7 Remove blade links (item 4).

3.8 Inspect all parts for wear and replace if necessary.

3.9 Inspect blades (item 2) for wear and sharpen or replace as necessary. *Refer to Figure 2 below for proper sharpening angle.*

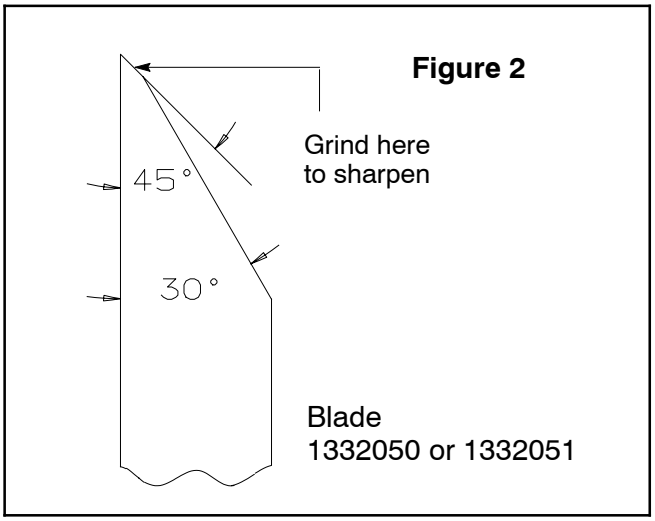

Figure 2

4 BLADE AND LINK ASSEMBLY:

4.1 Reverse steps and procedures outlined in section 3. *See notes below:*

4.1.1 Apply **Jarvis** *1315 White Grease* to the connecting pin (item 5) and pivot area sliding surfaces of blade links (item 4) before inserting items into yoke (item 20).

4.1.2 Use a pin punch through the bottom hole of the pistol grip handle (item 8) to align the yoke (item 20) and blade links (item 4) as you press in connecting pin (item 5).

4.1.3 Apply light coat of **Jarvis** *1315 White Grease* to link bolts (item 3), blade pivot bolt (item 7) and holes in blades (item 2) prior to installation.

4.1.4 Make sure curved end of bearing plates (item 1) are facing toward pistol grip handle (item 8) and away from blades (item 2).

4.1.5 All nylock nuts are less effective after removal. Apply *Loctite 242* to threads of lock nuts (items 19 and 21) when reassembling.

5 CYLINDER DISASSEMBLY:

5.1 Remove blade and link assembly. *Refer to section 3 as a procedural guide.*

5.2 Place the pistol grip handle (item 8) in a vise.

5.3 Remove air cylinder (item 9) and yoke (item 20) from pistol grip handle.

5.3.1 Place a wrench on the flats of the air cylinder and remove the air cylinder as an assembly. *Refer to Figure 3 below as a guide. Turn counterclockwise.*

5.4 Remove yoke (item 20) from the piston shaft (part of air cylinder item 9). *Refer to Figure 3 below.*

5.4.1 Place a wrench around the yoke and place a wrench on the piston shaft flats to remove the yoke. *Turn counterclockwise.*

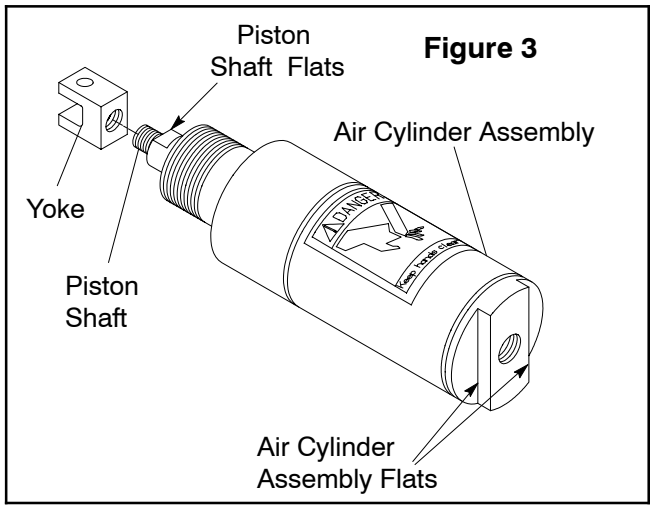

Figure 3

5.5 Inspect all parts for wear and replace if necessary.

6 CYLINDER ASSEMBLY:

6.1 Reverse steps and procedures outlined in section 5. *See note below.*

6.1.1 Apply *Loctite 242* to threads of yoke (item 20) when fastening to piston shaft (part of air cylinder, item 9).

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