

VersaClipper 1000

Model # _____

Serial # _____



1798 Sherwin Avenue
Des Plaines, IL 60018 U.S.A.
EMAIL: vertex@leggett.com

PHONE: 847-768-6139 FAX: 847-768-7192

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DESCRIPTION OF EQUIPMENT

The VersaClipper 1000, a specially designed machine used by upholstered furniture manufacturers, quickly and accurately installs patented VersaClips into wooden frame rails. The straightforward, innovative design elements have resulted in a productive and versatile machine for all manufacturers.

The VersaClipper 1000 is made up of three main components:

1. Spool Arm
 - a. The Spool Arm holds a spool of VersaClips each containing 1,500 pieces.
2. Tool Assembly (Clipping Head)
 - a. The Tool Assembly, which installs VersaClips into wooden furniture rails, can be adjusted in height to accommodate a variety of rail thicknesses.
3. Pneumatic Control Circuit

OPERATING INSTRUCTIONS

Loading a Spool of VersaClips

Refer to Spool Illustration (VC5936) drawing.

1. Point arrow on side of spool toward tools.
2. Slide roll of clips onto Spool Rod (VC5504).
3. Run clips off spool, onto Clip Tray (VC5657), back up and on top of Clip Platform (VC5652).
4. Twist strand half turn.
5. Feed clips into back of tool.
6. Verify that Feed Cylinder is down.

Removing VersaClips from Tool Assembly

1. Lift feed cylinder up, swing flag up to support cylinder.
2. Spread left and right pawls away from side plates while removing clips from rear.

Caution: Do not overspread pawls.

Adjusting Anvil Height

1. Release Plunger (VH0179).
2. Rotate Threaded Anvil (VC5656) to desired height.
3. Lock Plunger in place.

Air Pressure

Set air pressure between 50 – 60 psi for proper operation of the VersaClipper 1000. After required adjustments have been made you may begin production.

Clipping Rails

1. Lay rail on Threaded Anvil (VC5656).
2. Position rail in desired location
3. Depress Foot Switch (VH0161), Tool will install a clip.
4. Reposition rail and repeat.

SAFETY INSTRUCTIONS

1. Operators should ALWAYS wear safety glasses while operating, maintaining or repairing the equipment.
2. NEVER place hands or fingers near clip exit area when operating tool or when connecting air supply to machine.
3. Always shut off air supply when servicing tool.

MAINTENANCE

Recommended Daily Maintenance

1. Add 2-3 drops of 30-weight oil to opening between Front Plate (VC5940) and Cylinder Mount (VC5901) of Tool assembly.

Self-Lubricating Regulator

Use Air Tool Oil, Almo 525 or equivalent.

Turn knob one full turn (counterclockwise) from closed position for correct lubrication.

VERSACLIPPER 1000

RECOMMENDED SPARE PARTS LIST

PART #	DESCRIPTION	QTY
VC0340	AIR LUBE OIL	1
VC5117	TORSION SPRING	1
VC5121	PAWL SPRING	2
VC5122	LEFT-HAND PAWL	1
VC5123	RIGHT-HAND PAWL	1
VC5127	PISTON FEED SPRING	1
VC5132	PIN, FEED CYLINDER	1
VH0030	O-RING, #111	1
VH0069	PUSH-IN FTG, 90 DEG	1
VH0135	O-RING, #210	1
VH0531	HAIR PIN	1

TROUBLESHOOTING INFORMATION

PROBLEM	CAUSE	SOLUTION
Blade does not return.	Obstruction in tool. Cylinder Spring damaged.	Remove obstruction. Replace Spring (VC5127).
Clips not feeding.	Dispenser obstruction. Feed cylinder not engaged.	Remove obstruction. Engage by lifting up cylinder allowing flag to drop.
Top of clip not seated against rail (Fig. 3).	Low air pressure. Incorrect anvil height.	Increase pressure. (Never exceed 60 psi) Raise Threaded Anvil (VC5656).
Clip's base is away from rail (Fig. 4).	Rail is not against tool.	Operator must hold rail firmly against tool.
Tool does not fire.	Air Supply not connected. Main Valve is off.	Connect Air Supply. Turn valve (VH0172) on.
Missed clip.	Clips ran out. Valve (VH0172) is closed.	Reload with new spool. Turn lever to vertical position.

FIGURE 3

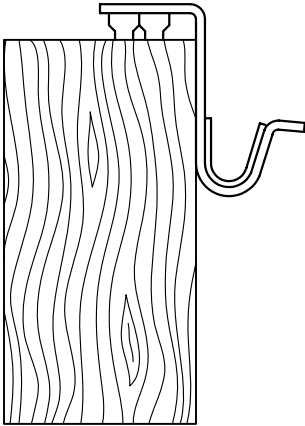
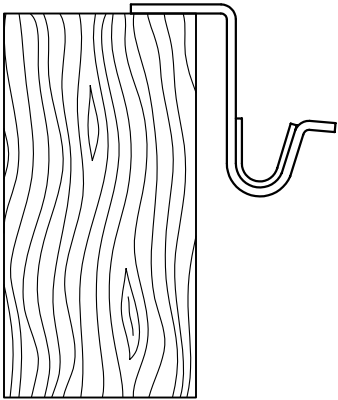


FIGURE 4



Specifications

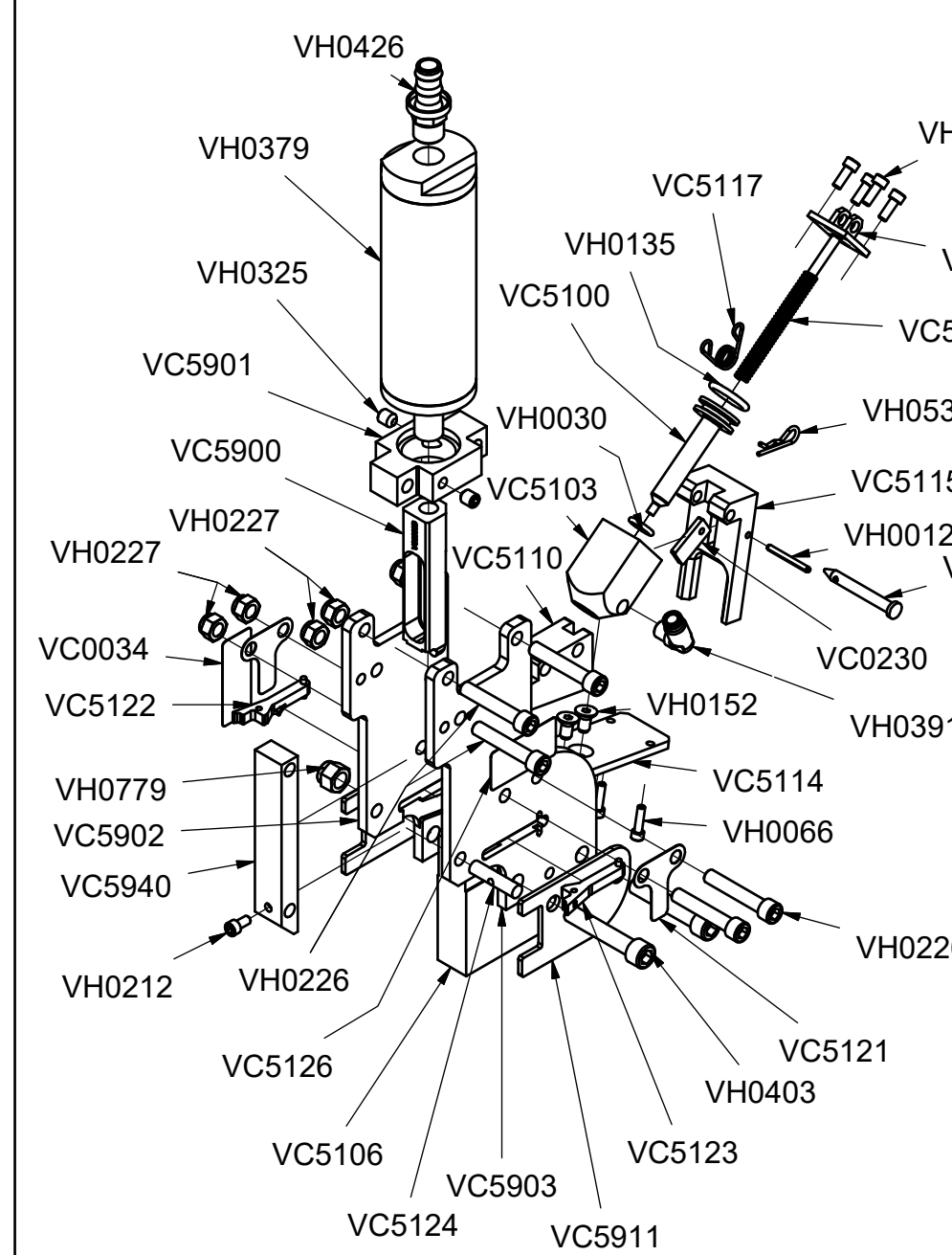
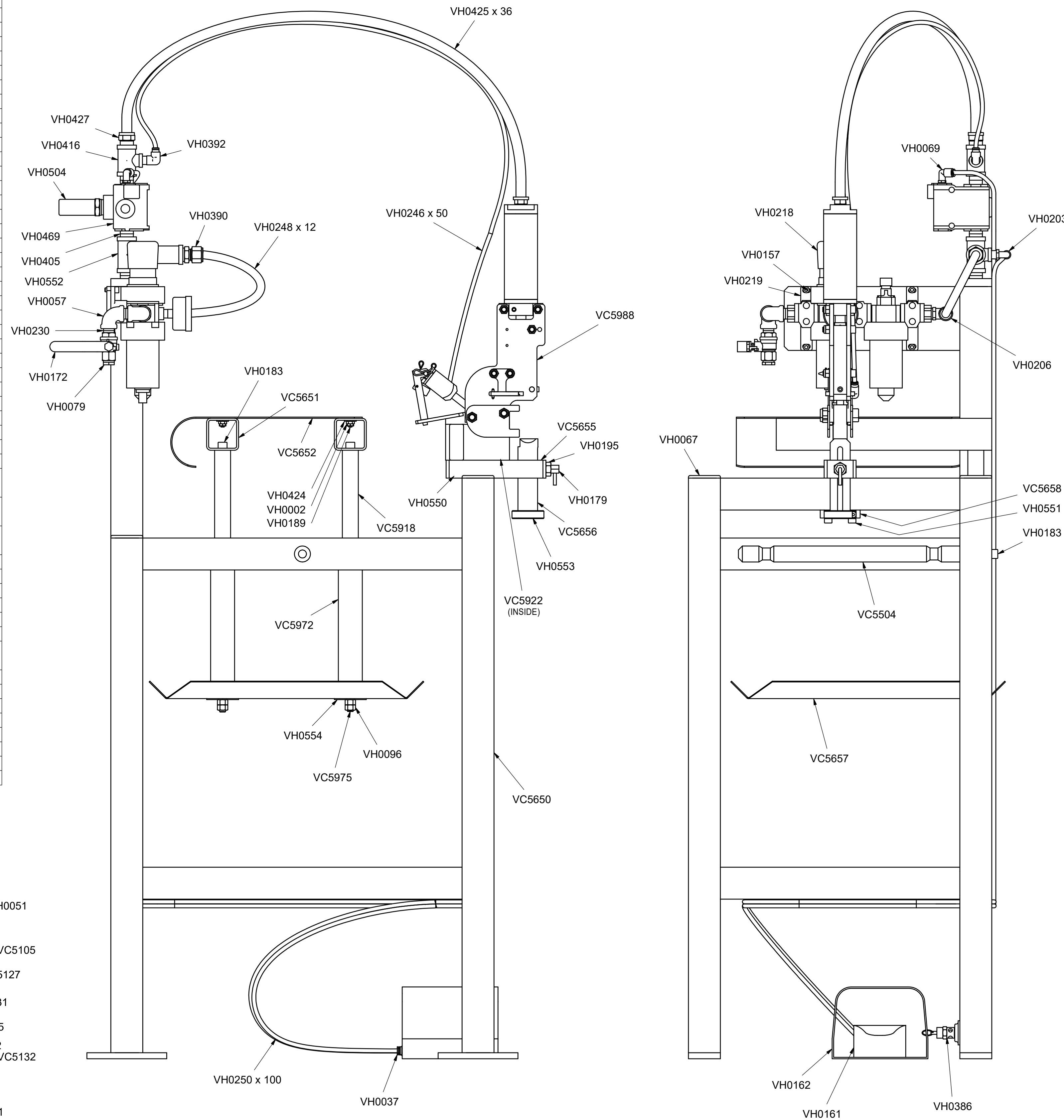
Air: 50-60 psi, 6 cfm

Machine Size: Depth: Footprint = 27", Overall 30"
Width: Footprint = 19", Overall 20"
Height: 56"

Rail Dimensions: Thickness: 5/8" – 2 1/2"

Clip Roll Capacity: 1,500 VersaClips

PART #	DESCRIPTION	QT
VC5504	SPOOL ROD	1
VC5650	1000 FRAME	1
VC5651	CLIP PLATFORM SUPPORT	2
VC5652	CLIP PLATFORM	1
VC5655	TOOL MOUNT	1
VC5656	THREADED ANVIL	1
VC5657	CLIP TRAY	1
VC5658	CLAMP BLOCK	1
VC5918	PLATFORM POST	2
VC5922	THREADED SPACER VERSACLIPER 4000	1
VC5972	TRAY STANDOFF	2
VC5975	THREADED ROD	2
VC5988	TOOL ASSEMBLY	1
VH0002	NUT, FLEX, 1/4 - 20	4
VH0037	PUSH-IN FTG, STR, 1/4 OD x 1/8 NPT	2
VH0057	ELBOW, 3/8	2
VH0067	CAP	3
VH0069	PUSH-IN FTG, 90, 1/4 OD x 1/8 NPT	1
VH0079	BUSHING, REDUCER, 3/8 x 1/4	1
VH0096	NUT, HEX, 3/8 - 16	4
VH0157	SHCS, 1/4 - 20 x 5/8 W/ PATCH	4
VH0161	SWITCH, FOOT	1
VH0162	GUARD, FOOT SWITCH	1
VH0172	VALVE, VENTED SHUT-OFF BALL, 3/8 NPT	1
VH0179	PLUNGER	1
VH0183	SHCS, 3/8 - 16 x 3/4	3
VH0189	FHCS, 1/4 - 20 x 5/8	4
VH0195	NUT, JAM, 1/2 - 13	1
VH0203	PUSH-IN FTG, 90, 1/4 OD x 1/4 NPT	1
VH0206	PUSH-IN FTG, 90, 1/2 OD x 3/8 NPT	1
VH0218	FILTER/REGULATOR LUBRICATOR	1
VH0219	BRACKET	2
VH0230	NIPPLE, 3/8 NPT x 1 CLOSE	3
VH0246	TUBING, 1/4, POLYETHYLENE x 50	1
VH0248	TUBING, 1/2, POLYETHYLENE x 12	1
VH0250	TUBING, DUAL, 1/4 x 100	1
VH0386	SAFETY VALVE	1
VH0390	FTG, BRASS CMPRSN, STR, 1/2 OD x 1/2 NPT	1
VH0392	PUSH-IN FTG, 1/4 x 1/4 NPT	1
VH0405	NIPPLE, 1/2 NPT x 1 1/8 CLOSE, SCH 80	4
VH0416	TEE, REDUCER, 1/2 x 1/4 x 1/2	2
VH0424	WASHER, 1/4	4
VH0425	HOSE, 1/2, BLUE x 36	1
VH0427	HOSE BARB, 1/2 x 1/2 NPT	1
VH0469	VALVE	1
VH0504	MUFFLER, 3/4 NPT	1
VH0550	SHCS, 3/8 - 16 x 1 1/2	2
VH0551	SHCS, 5/16 - 18 x 3 1/4	2
VH0552	TEE, 1/2	1
VH0553	CLAMP COLLAR	1
VH0554	WASHER, FENDER, 3/8	2



PART #	DESCRIPTION	QT	PART #	DESCRIPTION	QT	PART #	DESCRIPTION	QT	PART #	DESCRIPTION	QT
VC0034	WARNING LABEL	1	VC5121	PAWL SPRING	2	VC5903	RIGHT-HAND SIDE PLATE	1	VH0226	SHCS, 5/16 - 24 x 1 3/4	5
VC0230	CLIP FEEDER STOP	1	VC5122	LEFT-HAND PAWL	1	VC5911	GUIDE PLATE	2	VH0227	NUT, NYLOCK, 5/16 - 24	5
VC5100	PISTON	1	VC5123	RIGHT-HAND PAWL	1	VC5940	FRONT PLATE	1	VH0325	SET SCREW, 5/16 - 18 x 3/8	2
VC5103	CYLINDER BODY	1	VC5124	FRONT PLATE PIN (SPECIAL)	1	VH0012	PIN, ROLL, 1/8 x 1 1/4	1	VH0379	CYLINDER	1
VC5105	CYLINDER END CAP	1	VC5126	VERSACLIPPER LABEL	1	VH0030	O-RING, #111	1	VH0391	PUSH-IN FTG, 1/4 x 1/8 NPT	1
VC5106	ANVIL	1	VC5127	SPRING	1	VH0051	SHCS, 10 - 32 x 1/2	4	VH0403	SHCS, 3/8 - 24 x 2	2
VC5110	BLADE GUIDE	1	VC5132	PIN, FEED CYLINDER	1	VH0066	SHCS, 8 - 32 x 5/8	2	VH0426	HOSE BARB, 1/2 x 3/8 NPT	1
VC5114	MOUNTING BRACKET	1	VC5900	DRIVER BLADE	1	VH0135	O-RING, #210	1	VH0531	HAIR PIN	1
VC5115	CYLINDER MOUNT	1	VC5901	CYLINDER MOUNT	1	VH0152	FHCS, 1/4 - 20 x 1/2	2	VH0779	NUT, NYLOCK, 3/8 - 24	2
VC5117	TORSION SPRING	1	VC5902	LEFT-HAND SIDE PLATE	1	VH0212	SHCS, 10 - 32 x 3/8 W/ PATCH	1			
PART #	DESCRIPTION	QT	PART #	DESCRIPTION	QT	PART #	DESCRIPTION	QT	PART #	DESCRIPTION	QT
VC5988 - TOOL ASSEMBLY			VC5988 - TOOL ASSEMBLY			VC5988 - TOOL ASSEMBLY			VC5988 - TOOL ASSEMBLY		

REV	ECN	DESCRIPTION	BY	APPD	DATE	MATERIAL:	TOL UNLESS SPECIFIED	© 2004	VERTEX FASTENERS
A	505	WAS VH0155 (W211) NOW VH0135 (W210)	JMW	DA	6-17-05		INCHES 3" = ± .030 XX = ± .015 XXX = ± .005 ANGLES ± 1/2	DWN BY	JMW
B	656	WAS VH0155 & VH0002	JMW	DA	3-15-06	HEAT TREATMENT:		APPD	DA
C	939	WAS VC5904 NOW VC5988	JMW	MR	11-12-09			DATE	6-22-04
D	996	ADDED VC5922	JMW	JMF	11-9-10	FINISH:		SCALE	1:4
E	1233	ADDED 2 VH0037	JMW	MR	9-25-12			DWG. NO.	VC5014

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