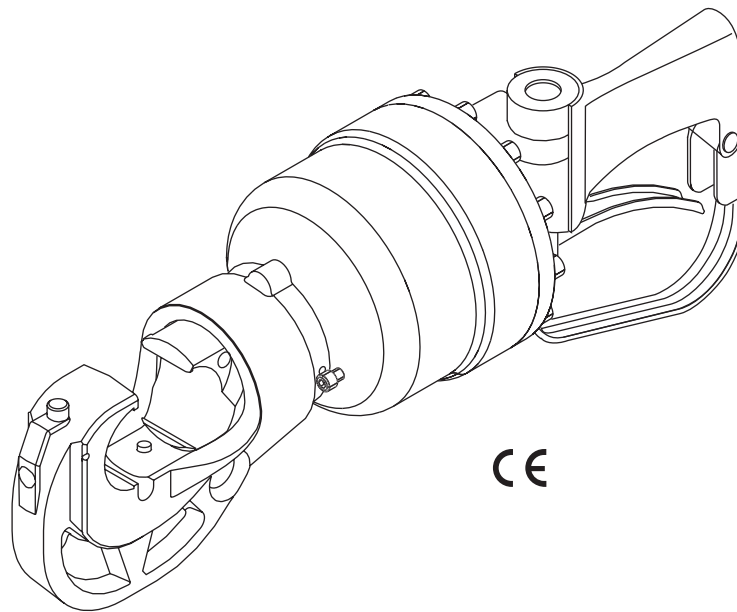


# SPECIFICATIONS AND PARTS

*Fairmont*<sup>®</sup>



## **LPK1230**

# **Hydraulic Crimping Tool**

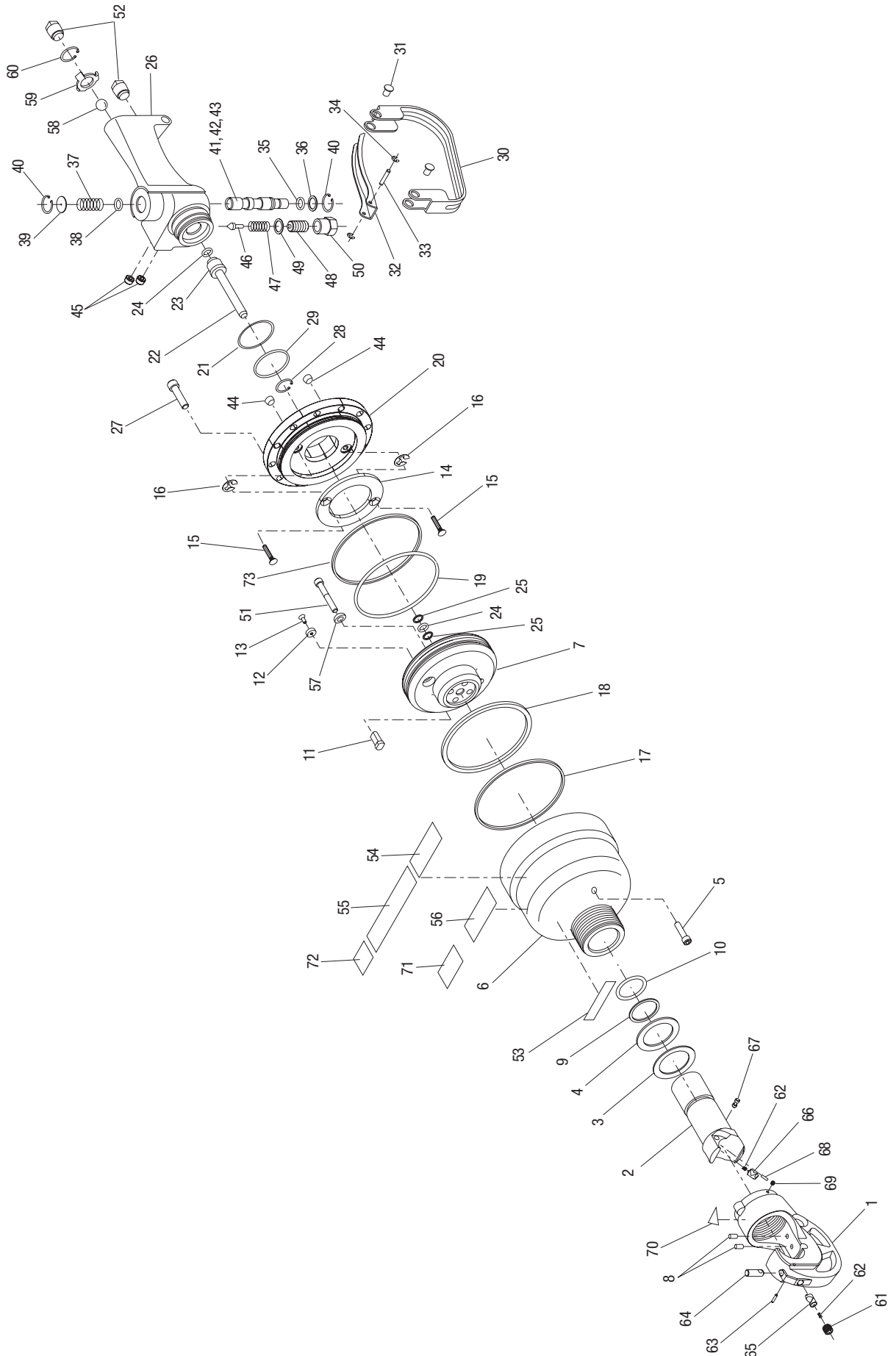
## **12 ton**

Serial Code FYB



**Read and understand** all of the instructions and safety information in this manual before operating or servicing this tool.

Illustration



**Parts List — LPK1230 Crimping Tool**

Key	UPC No. 78-3310-	Part No.	Description	Qty	Key	UPC No. 78-3310-	Part No.	Description	Qty
1	05372	500 53728	C-Head unit (includes items 8,61-65,69 & 70).....	1	48	48261	48261	Screw, set, 1/2–20, adjusting .....	1
2	49342	49342	Ram .....	1	49*	40646	130825	Washer, flat, .514 x .030, copper.....	1
3*	05310	50053108	Washer, ram .....	1	50	48260	48260	Cap, relief valve .....	1
4*	05315	50053159	Wiper, ram .....	1	51	54163	90541634	Screw, cap, 1/4–20 x 1.625, socket.....	4
5	43454	F025026	Screw, cap, 1/4–20 x .87", socket head.....	1	52	41432	F013636	Plug, port.....	2
6	49344	52026772	Cylinder (includes items 53–56, 71 & 72) .....	1	53	49947	49947	Decal .....	1
7	48733	48733	Piston .....	1	54	48734	48734	Decal, OC/CC setting.....	1
8*	55062	90550625	Pin, groove (6mm x 12mm).....	2	55	49946	49946	Decal, warning.....	1
9*	50896	90508963	Backup ring, 1.375 x 1.62 x .121" .....	1	56	41547	F015482K1	Decal, Fairmont .....	1
10*	50897	90508971	O-ring, 1.375 x 1.62 x .125" .....	1	57	54913	90549139	Washer, conical.....	4
11	43546	156555	Spool, shuttle.....	2	58	41873	F021607	Ball, steel, .5" .....	1
12	43547	156556	Washer, shuttle .....	2	59	49234	49234	Stop, ball .....	1
13	43548	F030021	Screw, cap, #6–32 x .375", flat head socket.....	2	60	41600	F016737	Retaining ring, .687 .....	1
14	48727	48727	Ring, shuttle stop.....	1	61	55060	90550609	Screw, M12-1.75 x 12mm set .....	1
15	48728	48728	Screw, stop ring.....	2	62	03821	50038214	Spring .....	2
16*	48741	48741	Retaining ring .....	2	63	55063	90550633	Pin, grooved, 3mm.....	1
17*	43544	F024835	Backup ring, 4.312 x 4.500 x .125.....	1	64	05317	50053175	Button, die release.....	1
18*	43543	F024834	Seal unit.....	1	65	05319	50053191	Pin, die release .....	1
19*	45660	45660	O-ring.....	1	66	05316	50053167	Pin, die release .....	1
20	45659	45659	Cover, cylinder .....	1	67	05318	50053183	Button, die release.....	1
21	48737	48737	Shim, handle .....	6 (max)	68	55064	90550641	Rollpin, 3mm x 10mm .....	1
22	43554	156569	Tube .....	1	69	55061	90550617	Screw, M5-.8 x 5mm set .....	1
23	42685	L060600	Carrier, seal .....	1	70	06214	50062140	Decal, pinch warning .....	1
24*	41331	F010777	O-ring, .375 x .500 x .062"–70.....	2	71	49506	49506	Decal, CE.....	1
25*	43545	F024931	Backup ring, .382 x .486 x .045" .....	2	72	49959	49959	Decal, sound.....	1
26	48736	48736	Handle.....	1	73*	45661	45661	Backup ring .....	1
27	41388	F010901	Screw, cap, 5/16–18 x 1.25", socket head.....	12	<b>Repair Kit</b>				
28*	41648	F017595	Retaining ring, .750".....	1	*	49343	49343	Packing kit (includes items marked with an asterisk).....	1
29*	44044	F022786	O-ring, 1.625 x 1.750 x .062"–70.....	1	<b>Decals</b>				
30	43699	156559	Strap, trigger .....	1	49947	49947	Decal, press/flow .....	1	
31	43701	F021676	Screw, cap, #10–32 x .375", button socket head.....	4	48734	48734	Decal, OC/CC setting.....	1	
32	42576	L060106	Trigger .....	1	49946	49946	Decal, warning.....	1	
33	42547	L060058	Pivot, trigger .....	1	41547	F015482K1	Decal, Fairmont .....	1	
34*	42827	L085019	Retaining ring .....	2	06214	50062140	Decal, pinch warning .....	1	
35*	41489	F015257	O-ring, .437 x .562 x .062"–68.....	1	49506	49506	Decal, CE.....	1	
36	43401	170236	Washer.....	1	49959	49959	Decal, sound.....	1	
37	42865	L089019	Spring, valve plunger .....	1					
38*	41488	F015255	O-ring, .562 x .750 x .093"–68.....	1					
39	41095	138312	Cap .....	1					
40*	41712	F018511	Retaining ring, .750".....	2					
41	48472	48472	Spool.....	1					
42	43556	170237	Plug, spool.....	1					
43*	41343	F011060	O-ring, .250 x .375 x .062"–90.....	1					
44*	54247	90542479	Nut, 1/4–20, Hydra-Lok seal.....	2					
45	41695	F018357	Plug, pipe, 1/8" NPTF.....	2					
46	30146	50301462	Pin, valve, .305 x .870" .....	1					
47	40692	131099	Spring, unloading valve.....	1					

**Other Publications****Tool Owners/Users**

Operation Manual: Publication 99932245

SAE Standard J1273 (Hose and Hose Assemblies): Publication 99930323

**Authorized Fairmont Service Centers**

Service Manual: Publication 99932253

**Purpose**

This manual is intended to familiarize all personnel with the specifications and parts for the following Fairmont tools:

LPK1230/49340      Serial Code FYB

Keep this manual available to all personnel.

Replacement manuals are available upon request at no charge at [www.greenlee.com](http://www.greenlee.com).

All specifications are nominal and may change as design improvements occur. Greenlee Textron Inc. shall not be liable for damages resulting from misapplication or misuse of its products.

***KEEP THIS MANUAL***

**Specifications**

**Crimping Tool**

Type of Hydraulic System..... Open-Center or Closed-Center

Hydraulic Ports

Pressure ..... 3/4–16 UNF SAE O-ring Boss

Tank..... 3/4–16 UNF SAE O-ring Boss

Stroke (with dies)..... 30 mm (1.19")

Crimping Force @ 103 bar (1500 psi) ..... 106.7 kilo-Newtons (24,000 lb)

Noise Levels

$L_{WA}$  (Sound Power Level) ..... 55.5 dB

$L_{pPeak}$  (Peak Emission Sound Pressure Level)..... 68.8 dB

Vibration ..... 3.15 ms<sup>2</sup>

Mass/Weight..... 8.4 kg (18.5 lb)

Length..... 490 mm (19.3")

Width..... 140 mm (5.5")

**Hydraulic Power Source**

<b>⚠ WARNING</b>
<p>Do not exceed the following hydraulic power source maximums:</p> <ul style="list-style-type: none"> <li>Hydraulic flow: 34.1 l/min (9 gpm).</li> <li>Pressure relief setting: 172 bar (2500 psi).</li> <li>Back pressure: 13.8 bar (200 psi).</li> </ul> <p>Failure to observe this warning could result in severe injury or death.</p>

Type of Hydraulic System..... Open-Center or Closed-Center

Flow

Minimum ..... 11.4 l/min (3 gpm)

Recommended..... 22.7 l/min (6 gpm)

Maximum..... 34.1 l/min (9 gpm)

Pressure Relief Setting

Minimum ..... 103 bar (1500 psi)

Maximum..... 172 bar (2500 psi)

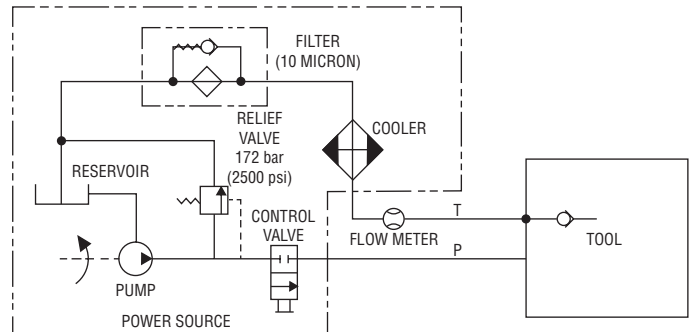
Back Pressure (maximum)\* ..... 13.8 bar (200 psi)

Filtration ..... 10 Micron (nominal)

\* 13.8 bar (200 psi) is the maximum agreed standard back pressure for the HTMA (Hydraulic Tool Manufacturers Association). Fairmont tool will operate satisfactorily at this standard.

- Maximum hydraulic fluid temperature must not exceed 60 °C (140 °F). A sufficient oil cooling capacity is needed to limit the hydraulic fluid temperature.
- Hydraulic flow must not exceed 34.1 l/min (9 gpm). Install a flow meter in the return line to measure the rate of hydraulic flow before using the tool.
- Pressure relief valve setting must not exceed 172 bar (2500 psi) at your tool's maximum flow. Locate the pressure relief valve in the supply circuit to limit excessive hydraulic pressure to the tool.

**Hydraulic Schematic**



**Recommended Hydraulic Fluids**

Use any non-detergent, petroleum-based hydraulic fluid which meets the following specifications or HTMA specifications.

S.U.S. @:

38 °C (100 °F)..... 140 to 225

99 °C (210 °F)..... 40 minimum

Flash Point..... 170 °C (340 °F) minimum

Pour Point..... -34 °C (-30 °F) minimum



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