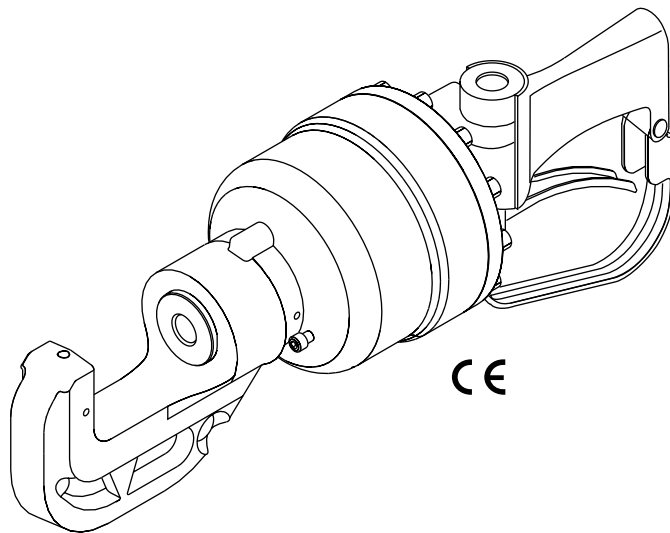


SPECIFICATIONS AND PARTS

Fairmont[®]



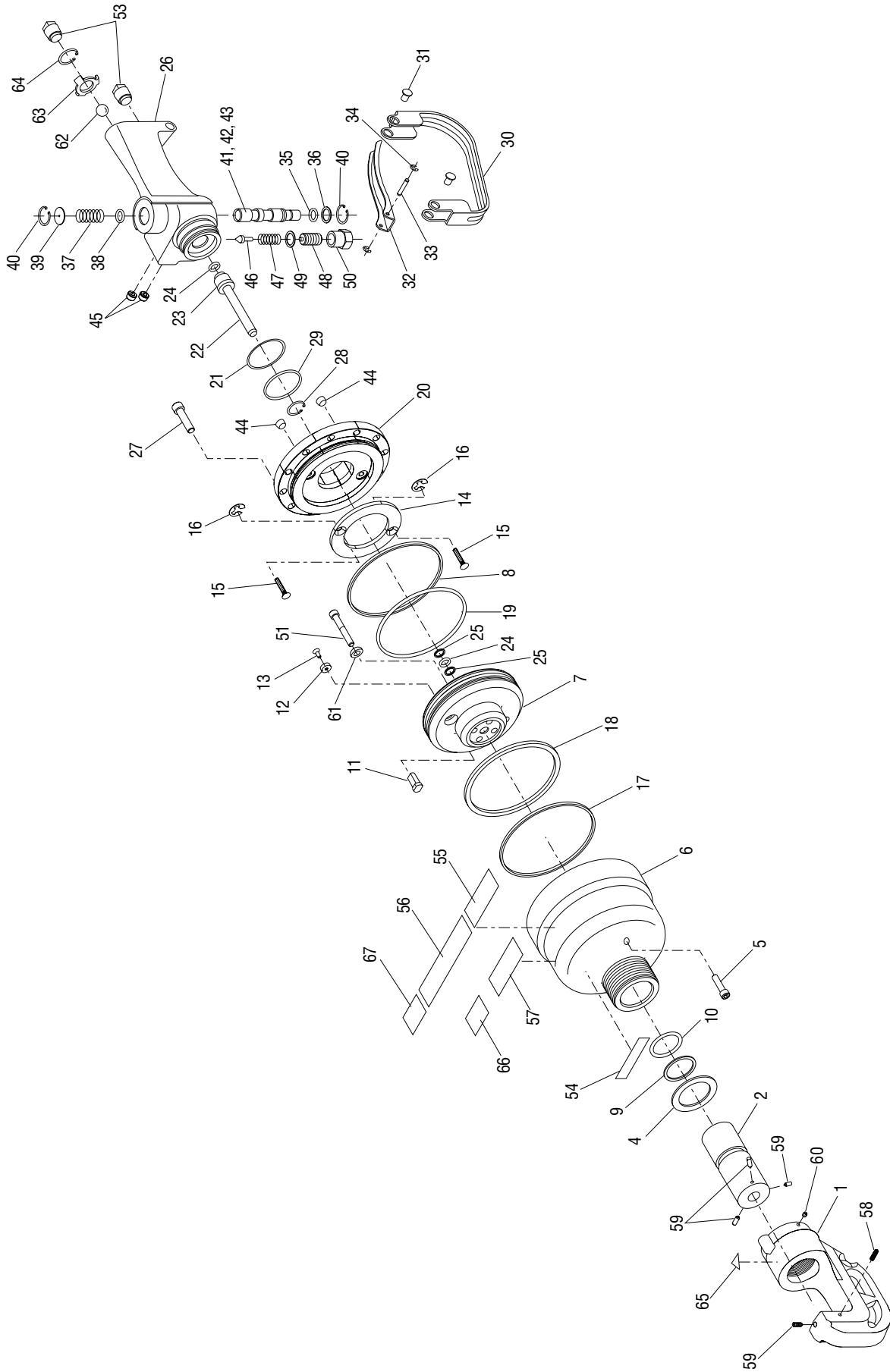
LPK1240K **Hydraulic Crimping Tool** **12 ton**

Serial Code FYE



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

Illustration



Parts List

KEY	UPC NO. 78-3310-	PART NO.	DESCRIPTION	QTY.	KEY	UPC NO. 78-3310-	PART NO.	DESCRIPTION	QTY.
1	05476	500 5476.7	C-Head Unit (includes items 58-60 & 65)	1	50	48260	48260	Cap, Relief Valve	1
2	49351	49351	Ram	1	51	54163	905 4163.4	Screw, Cap, 1/4-20 x 1.625, Socket	4
4*	05315	500 5315.9	Wiper, Ram	1	53	41432	F013636	Plug, Port	2
5	43454	F025026	Screw, Cap, 1/4-20 x .87", Socket Head	1	54	49947	49947	Decal, Press/Flow	1
6	49349	49349	Cylinder (includes Items 54-57, 66, 67)	1	55	48734	48734	Decal, OC/CC Setting	1
7	48733	48733	Piston	1	56	49946	49946	Decal, Warning	1
8*	45661	45661	Backup Ring	1	57	41547	F015482K1	Decal, Fairmont	1
9*	50896	905 0896.3	Backup Ring, 1.375 x 1.62 x .121"	1	58	50793	905 0793.2	Screw, #10-32 x .500 Set	1
10*	50897	905 0897.1	O-ring, 1.375 x 1.62 x .125"	1	59	53962	905 3962.1	Spring, Plunger, #10-32 x 5.00	4
11	43546	156555	Spool, Shuttle	2	60	55061	905 5061.7	Screw, M5-.8 x 5mm Set	1
12	43547	156556	Washer, Shuttle	2	61	54913	905 4913.9	Washer, Conical	4
13	43548	F030021	Screw, Cap, #6-32 x .375", Flat Head Socket	2	62	41873	F021607	Ball, Steel, .5"	1
14	48727	48727	Ring, Shuttle Stop	1	63	49234	49234	Stop, Ball	1
15	48728	48728	Screw, Stop Ring	2	64	41600	F016737	Retaining Ring, .687	1
16*	48741	48741	Retaining Ring	2	65	06214	500 6214.0	Decal, Pinch Warning	1
17*	43544	F024835	Backup Ring, 4.312 x 4.500 x .125	1	66	49506	49506	Decal, CE	1
18*	43543	F024834	Seal Unit	1	67	49959	49959	Decal, Sound	1
19*	45660	45660	O-ring	1	Repair Kit				
20	45659	45659	Cover, Cylinder	1	* 49343	49343	Packing Kit (includes items marked with an asterisk)		1
21	48737	48737	Shim, Handle	6 (Max)	Decals				
22	43554	156569	Tube	1	49947	49947	Decal, Press/Flow		1
23	42685	L060600	Carrier, Seal	1	48734	48734	Decal, OC/CC Setting		1
24*	41331	F010777	O-ring, .375 x .500 x .062"-70	2	49946	49946	Decal, Warning		1
25*	43545	F024931	Backup Ring, .382 x .486 x .045"	2	41547	F015482K1	Decal, Fairmont		1
26	48736	48736	Handle	1	06214	500 6214.0	Decal, Pinch Warning		1
27	41388	F010901	Screw, Cap, 5/16-18 x 1.25", Socket Head	12	49506	49506	Decal, CE		1
28*	41648	F017595	Retaining Ring, .750"	1	49959	49959	Decal, Sound		1
29*	44044	F022786	O-ring, 1.625 x 1.750 x .062"-70	1					
30	43699	156559	Strap, Trigger	1					
31	43701	F021676	Screw, Cap, #10-32 x .375", Button Socket Head	4					
32	42576	L060106	Trigger	1					
33	42547	L060058	Pivot, Trigger	1					
34*	42827	L085019	Retaining Ring	2					
35*	41489	F015257	O-ring, .437 x .562 x .062"-68	1					
36	43401	170236	Washer	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	905 4247.9	Nut, 1/4-20, Hydra-Lok Seal	2					
45	41695	F018357	Plug, Pipe, 1/8" NPTF	2					
46	30146	503 0146.2	Pin, Valve, .305 x .870"	1					
47	40692	131099	Spring, Unloading Valve	1					
48	48261	48261	Screw, Set, 1/2-20, Adjusting	1					
49*	40646	130825	Washer, Flat, .514 x .030, Copper	1					

Other Publications**Tool Owners/Users**

Operation Manual: Publication 999 3224.5

SAE Standard J1273 (Hose and Hose Assemblies): Publication 999 3032.3

Authorized Fairmont Service Centers

Service Manual: Publication 999 3227.0

Purpose

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

LPK1240K / 49350 Serial Code FYE

Keep this manual available to all personnel.

Replacement manuals are available upon request at no charge.

All specifications are nominal and may change as design improvements occur. Greenlee Textron 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) 41 mm (1.62")

Crimping Force @ 103 bar (1500 psi) 106.7 kN (24,000 lbs)

Noise Levels

L_{WA} (Sound Power Level) 55.5 dB

L_{pCpeak} (Peak Emission Sound Pressure Level) 68.8 dB

Vibration 3.15 ms²

Mass/Weight 8.8 kg (19.5 lbs)

Length 516 mm (20.3")

Width 140 mm (5.5")

Hydraulic Power Source

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

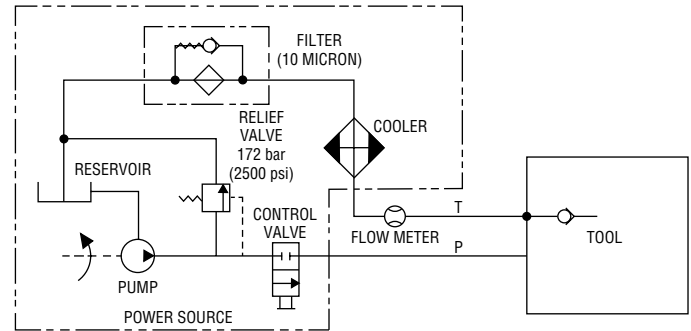
Back Pressure (Maximum)* 13.8 bar (200 psi)

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.

1. Maximum hydraulic fluid temperature must not exceed 60 °C (140 °F). A sufficient oil cooling capacity is needed to limit the hydraulic fluid temperature.
2. 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.
3. 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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