

Document Number	Document Revision	Document Revision Date	Product Date Code Beginning With
L4325	F	12/2023	A

To Protect Your Warranty, Use Only ENERPAC Hydraulic Oil.

Enerpac recommends that all kit components be installed to insure optimum performance of the repaired product.

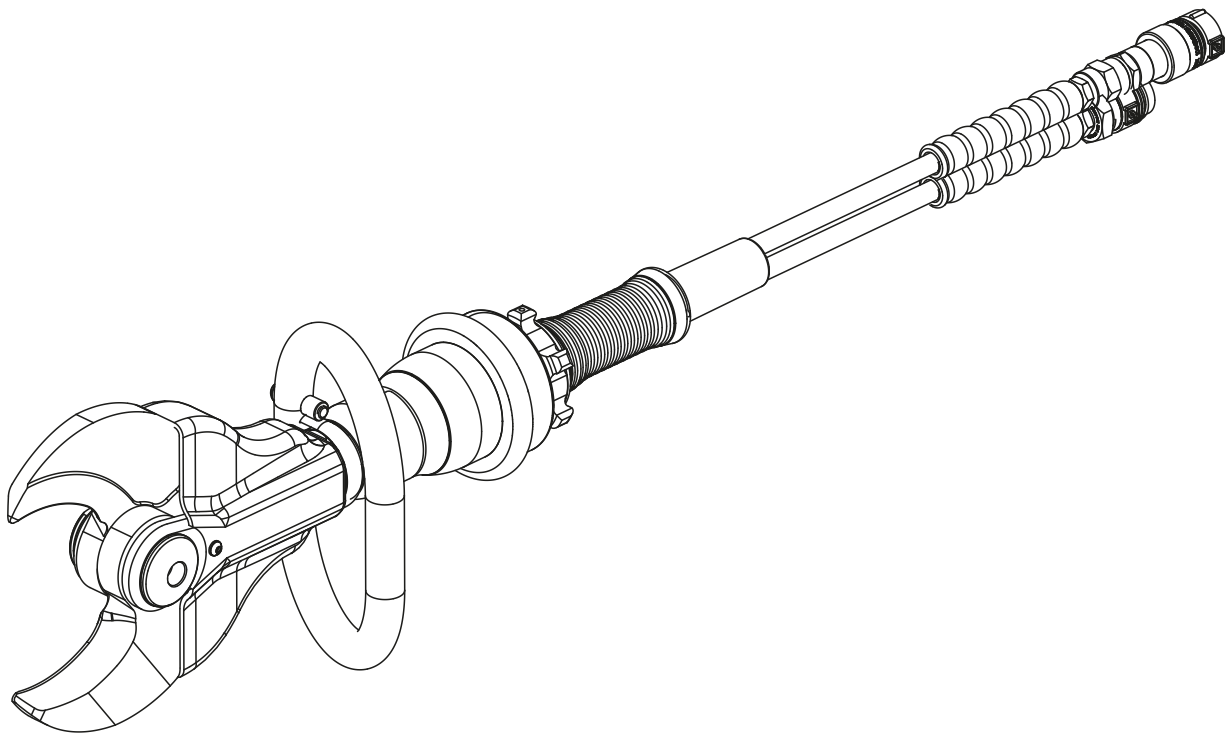


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⚠ WARNING Be certain that hydraulic pressure is completely relieved (0 psi/bar) before beginning any adjustment, maintenance or repair procedures. Appropriate shop safety procedures are to be followed during disassembly and reassembly to minimize any possibility of injury.

Note: Parts kits, components and product features described in this document are subject to change without notice.

Figure 1 - Exploded View - Model EDCH145 (view 1 of 2)

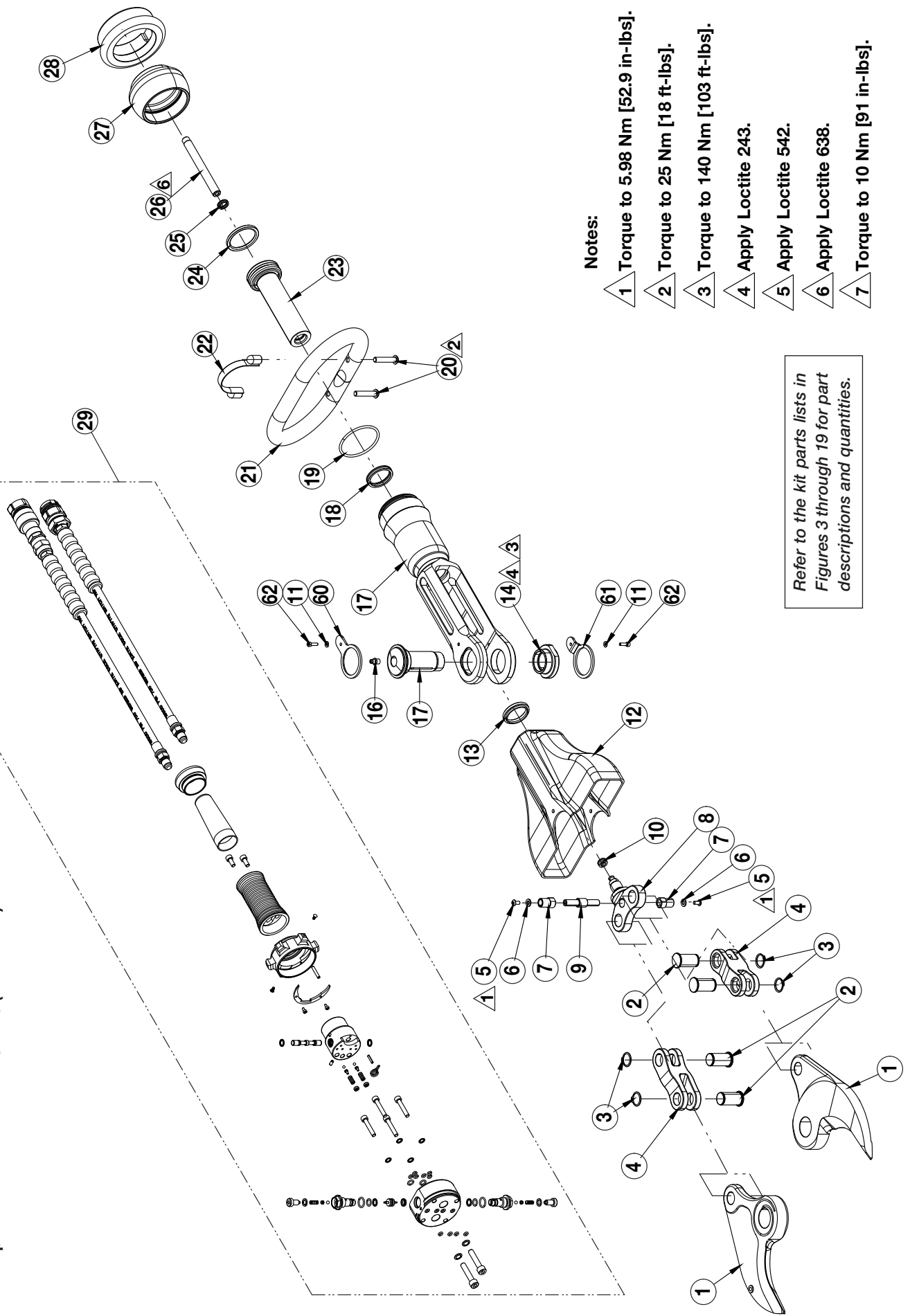
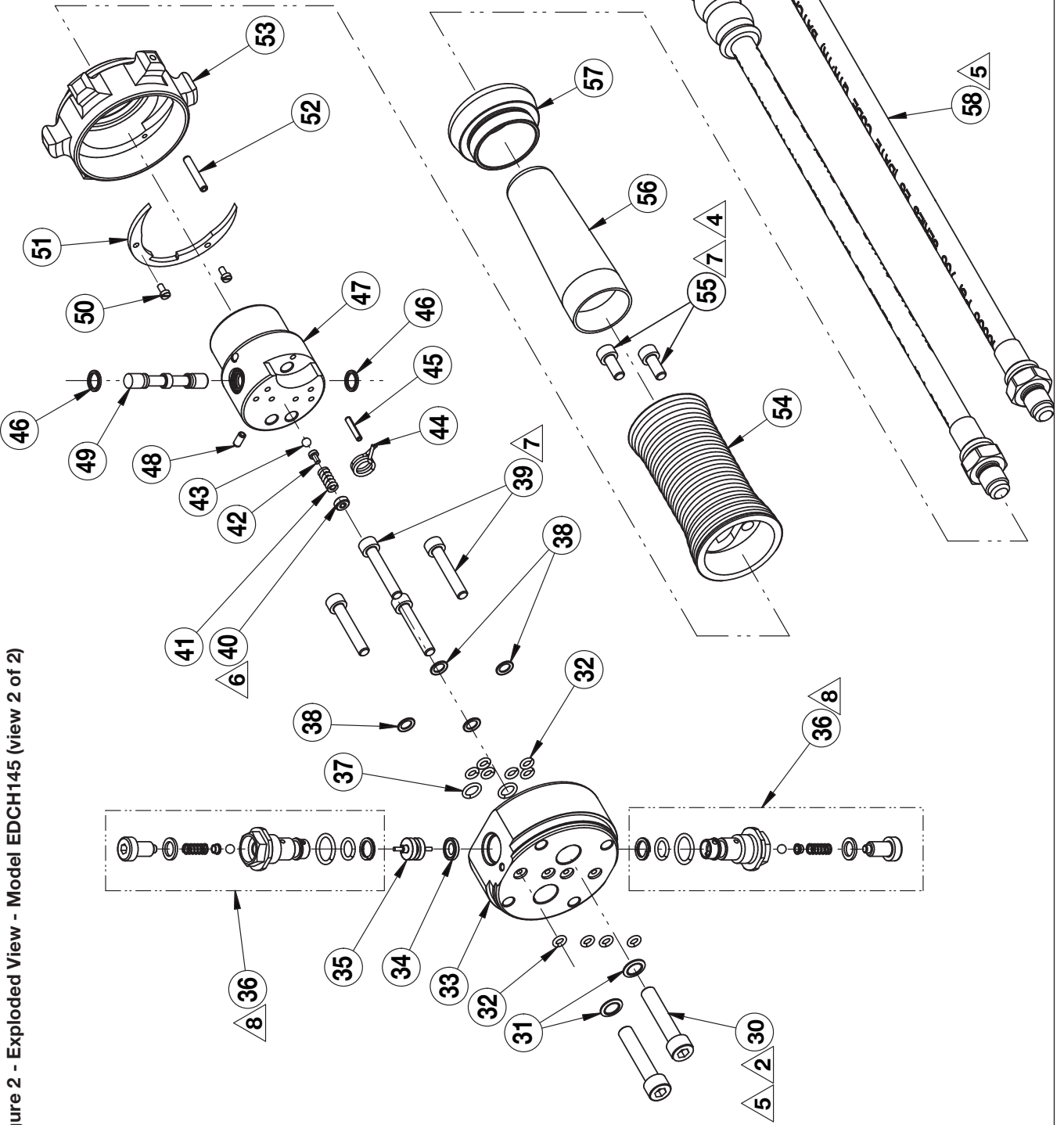


Figure 2 - Exploded View - Model EDCH145 (view 2 of 2)

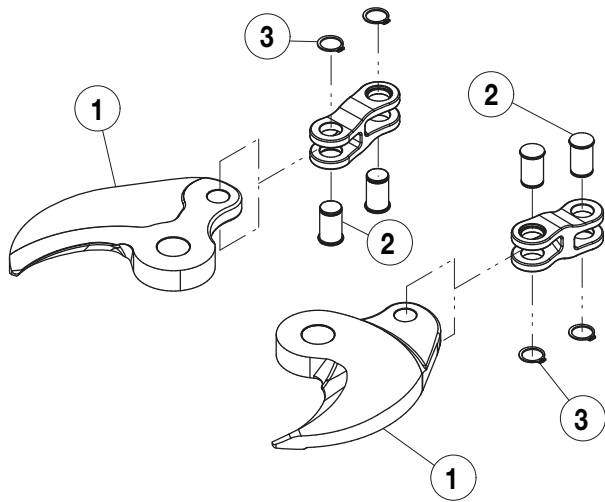


Notes:

- 2 Torque to 25 Nm [18 ft-lbs].
- 4 Apply Loctite 243.
- 5 Apply Loctite 542.
- 6 Apply Loctite 638.
- 7 Torque to 10 Nm [91 in-lbs].
- 8 Refer to Figure 18 for check valve parts list, assembly diagram and Loctite sealant locations.

Refer to the kit parts lists in Figures 3 through 19 for part descriptions and quantities.

Figure 3 - EDCH14501K Jaw Kit

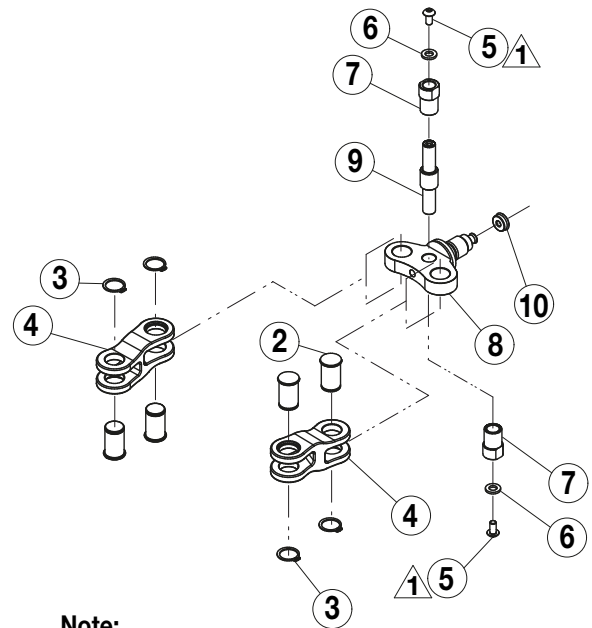


Parts List for Figure 3

Item No.	Qty.	Description
1	2	Blade
2	4	Seeger Ring, External D=20 UNI7435
3	4	Lever Pin

Note: Kit parts available in kits only. Items not sold separately.

Figure 4 - EDCH14502K Linkage Kit



Note:

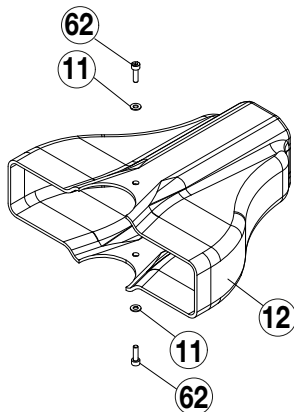
1 Torque to 5.98 Nm [52.9 in-lbs].

Parts List for Figure 4

Item No.	Qty.	Description
2	4	Lever Pin
3	4	Seeger Ring, External D=20 UNI7435
4	2	Lever Pin
5	2	Button Screw M5 x 10 10.9 UNI 7380 Zn
6	2	Flat Washer M5 UNI 6592 Zn
7	2	Sliding Bushing
8	1	Blades Yoke
9	1	Sliding Pin
10	1	Gasket 15 x 5

Note: Kit parts available in kits only. Items not sold separately.

Figure 5 - EDCH14503K Cover Kit

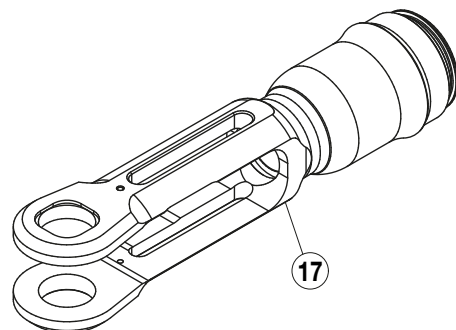


Parts List for Figure 5

Item No.	Qty.	Description
11	2	Flat Washer M4 UNI 6592 Zn
12	1	Blades Rubber Guard
62	2	SHCS M4 x 14 UNI 5931 Zn

Note: Kit parts available in kits only. Items not sold separately.

Figure 6 - EDCH14504K Cylinder Body Kit

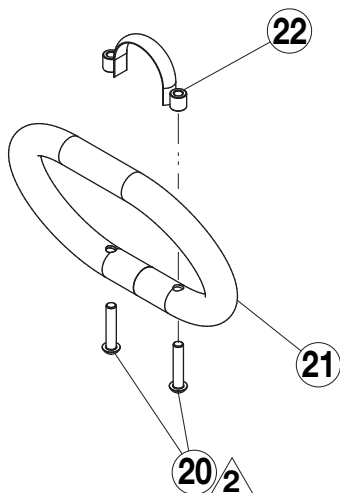


Parts List for Figure 6

Item No.	Qty.	Description
17	1	Cylinder

Note: This kit contains only one part (item 17).

Figure 7 - EDCH14505K Lift Handle Kit



Note:

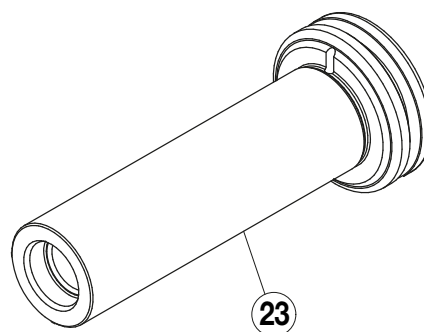
△2 Torque to 25 Nm [18 ft-lbs].

Parts List for Figure 7

Item No.	Qty.	Description
20	2	Button Screw M8 x 40 UNI 7380 Zn
21	1	Handle Assembly
22	1	Bracket

Note: Kit parts available in kits only. Items not sold separately.

Figure 8 - EDCH14506K Piston Kit

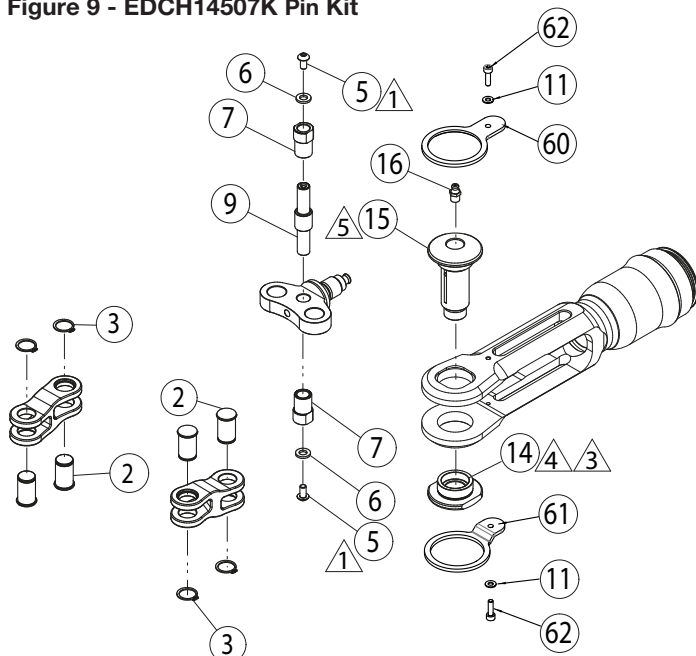


Parts List for Figure 8

Item No.	Qty.	Description
23	1	Piston Assembly

Note: This kit contains only one part (item 23).

Figure 9 - EDCH14507K Pin Kit



Notes:

△1 Torque to 5.98 Nm [52.9 in-lbs].

△3 Torque to 140 Nm [103 ft-lbs].

△4 Apply Loctite 243.

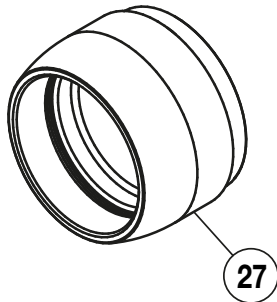
△5 Apply grease to bearing surface after repair.

Parts List for Figure 9

Item No.	Qty.	Description
2	4	Lever Pin
3	4	Seeger Ring, External D=20 UNI7435
5	2	Button Screw M5 x 10 10.9 UNI 7380 Zn
6	2	Flat Washer M5 UNI 6592 Zn
7	2	Sliding Bushing
9	1	Sliding Pin
11	2	Flat Washer M4 UNI 6592 Zn
14	1	Lock Ring for Kingpin
15	1	Pin
16	1	Grease Nipple M8 x 1
60	1	Upper Safety Bracket
61	1	Lower Safety Bracket
62	2	SHCS M4 x14 UNI 5931 Zn

Note: Kit parts available in kits only. Items not sold separately.

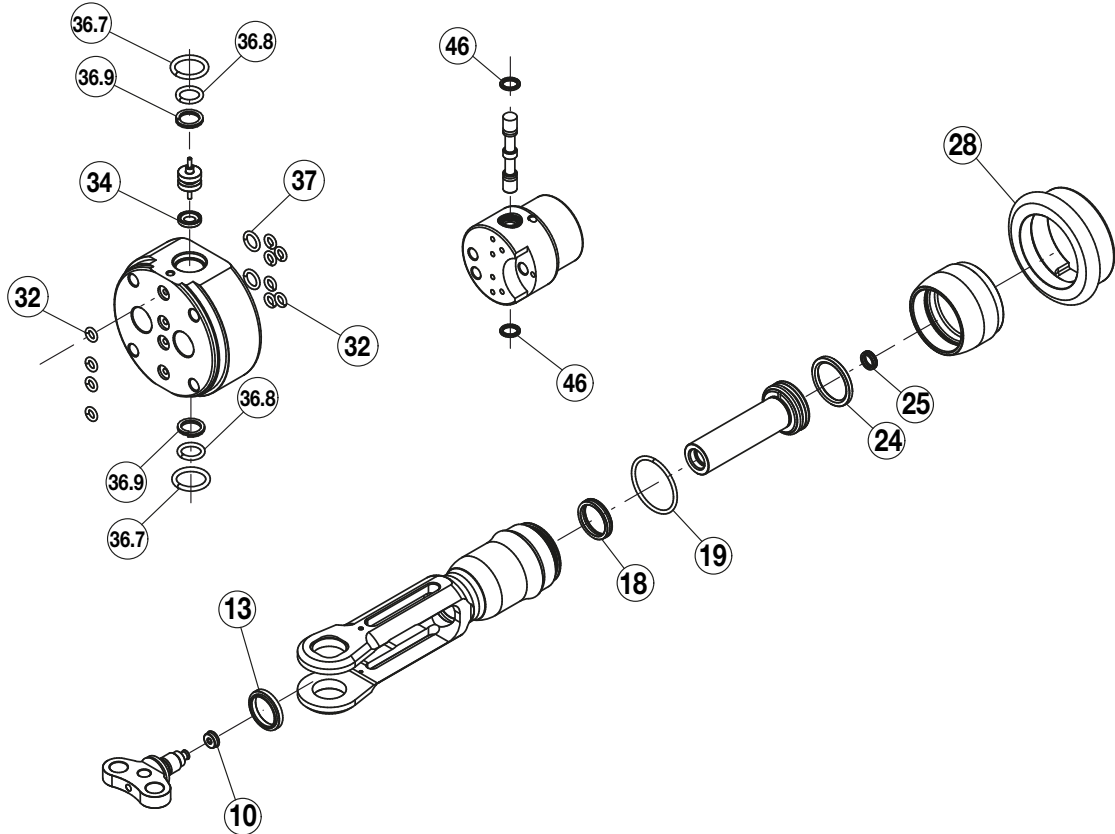
Figure 10 - EDCH14508K Cylinder Bottom Kit



Parts List for Figure 10

Item No.	Qty.	Description
27	1	Piston Rear End Assembly
Note: This kit contains only one part (item 27).		

Figure 11 - EDCH14509K Seal Kit



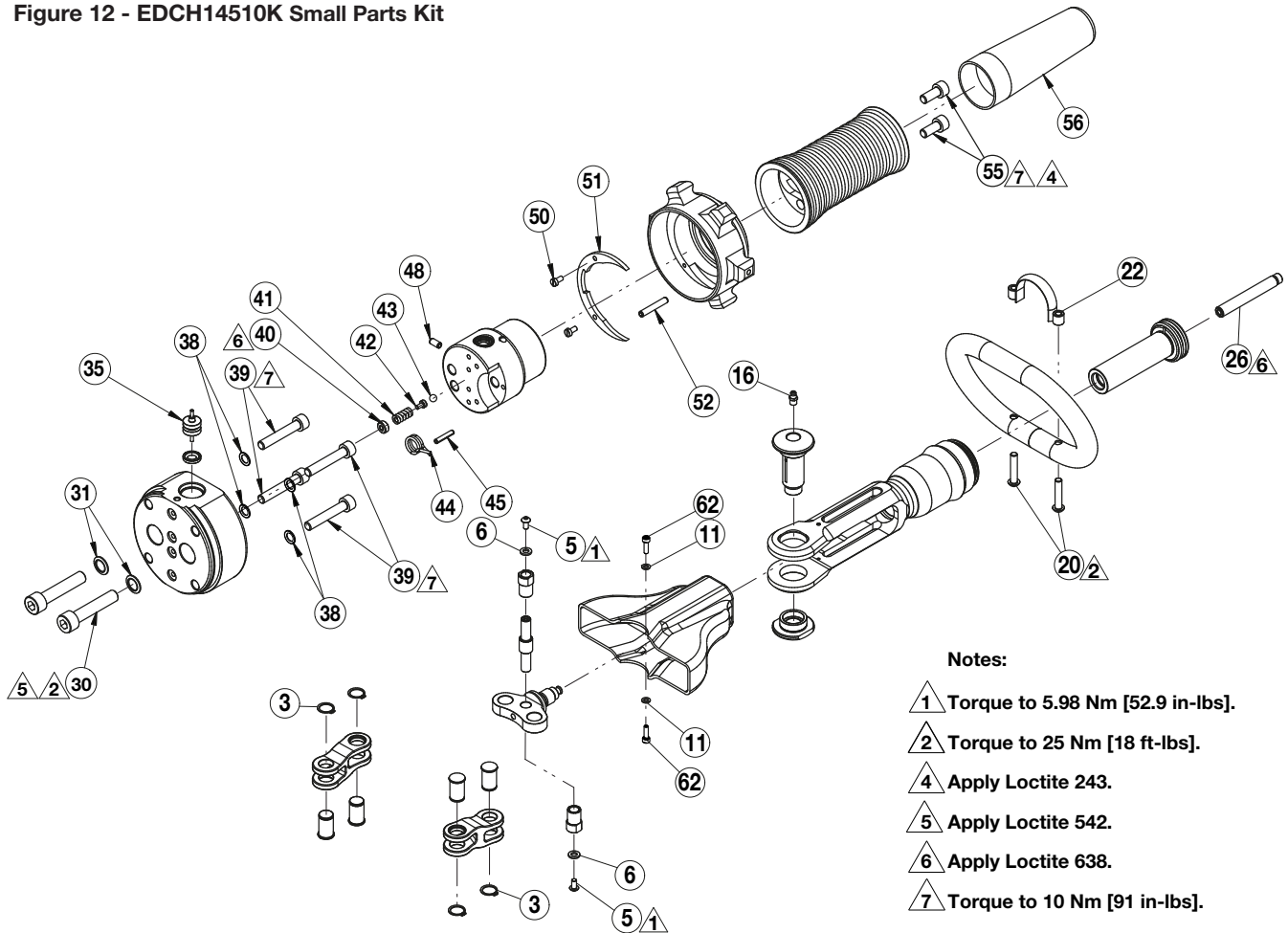
Parts List for Figure 11

Item No.	Qty.	Description
10	1	Gasket 15 x 5
13	1	Dust Seal 44.7 x 36 x 5.4
18	1	Gasket 44 x 36 x 6.5
19	1	O-Ring 66.35 x 2.62
24	1	Gasket NPU 055 55 x 44 x 4.2
25	1	Gasket 18 x 13 x 4.5
28	1	Rubber Ring
32	10	O-Ring 008 4.48 x 1.78 90 SH
34	1	Gasket EGR 0120 6.07 x 12 x 2
36.7	2	O-Ring 13 x 2 90 SH
36.8	2	O-Ring 8.73 x 1.78
36.9	2	Backup Ring BK 611-108
37	2	O-Ring 7.65 x 1.78
46	2	Quad Ring 8.2 x 1.78

Notes:

- Items 36.7, 36.8 and 36.9: See Figure 13 for complete check valve parts list and diagram.
- Kit parts available in kits only. Items not sold separately.

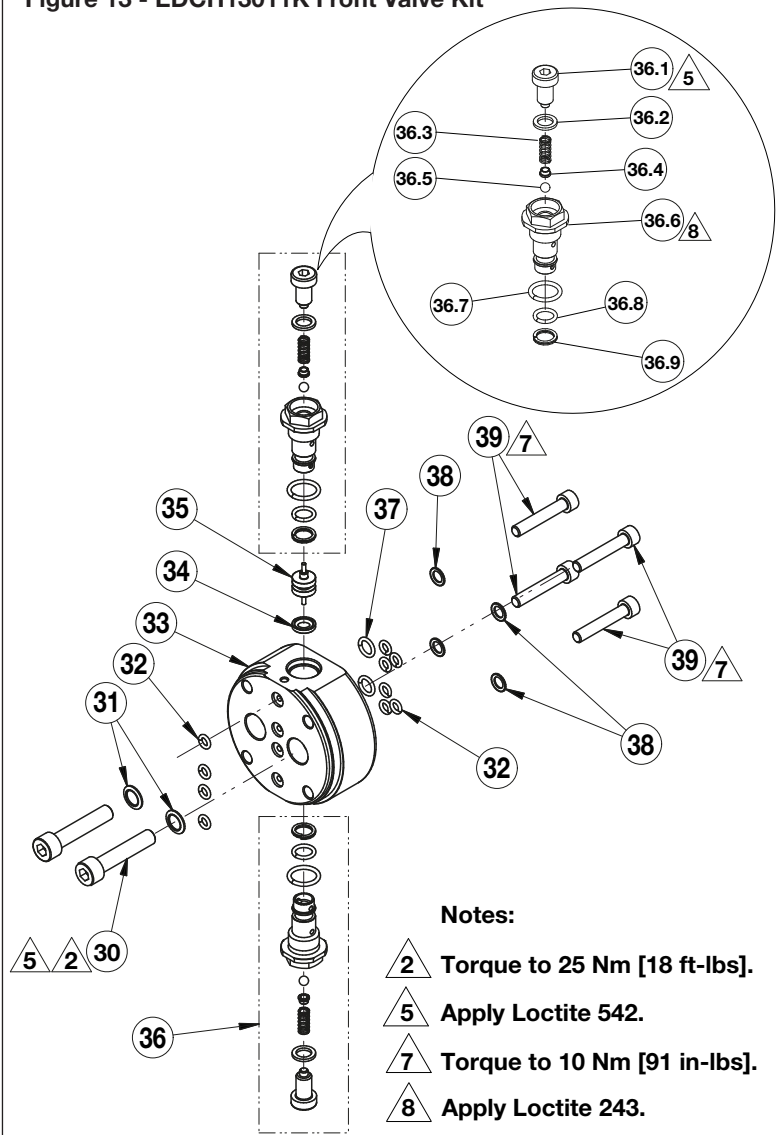
Figure 12 - EDCH14510K Small Parts Kit



Parts List for Figure 12		
Item No.	Qty.	Description
3	4	Seeger Ring, External D=20 UNI7435
5	2	Button Screw M5 x 10 10.9 UNI 7380 Zn
6	2	Flat Washer M5 UNI 6592 Zn
11	2	Flat Washer M4 UNI 6592 Zn
16	1	Grease Nipple M8 x 1
20	2	Button Screw M8 x 40 UNI 7380 Zn
22	1	Bracket
26	1	Oil Return Pipe
30	2	Socket Cap Screw M8 x 40 UNI5931 Zn
31	2	Schnorr Washer M8 Zn
35	1	Piston
38	4	Schnorr Washer M6 Zn
39	4	Socket Cap Screw M6 x 35 UNI5931 Zn
40	1	Adjustment Valve Grub Screw M8 x 3.5
41	1	Spring F.1.7 x e6.3 x 6 x Lo13 Rounded
42	1	Valve Pin
43	1	Ball 3/16 D. 4.76
44	1	Spring F.1.7 x i9.3 x 3
45	1	Spring Pin 3 x 16
48	1	Spring Pin 3 x 16
50	2	Screw TCTC M3 x 6 UNI 6107 Brass
51	1	Actuation Fork
52	1	Spring Pin 4 x 24
55	2	Socket Cap Screw M6 x 14 UNI5931 Zn
56	1	Rubber Sleeve
62	2	SHCS M4 x14 UNI 5931 Zn

Note: Kit parts available in kits only. Items not sold separately.

Figure 13 - EDCH13011K Front Valve Kit

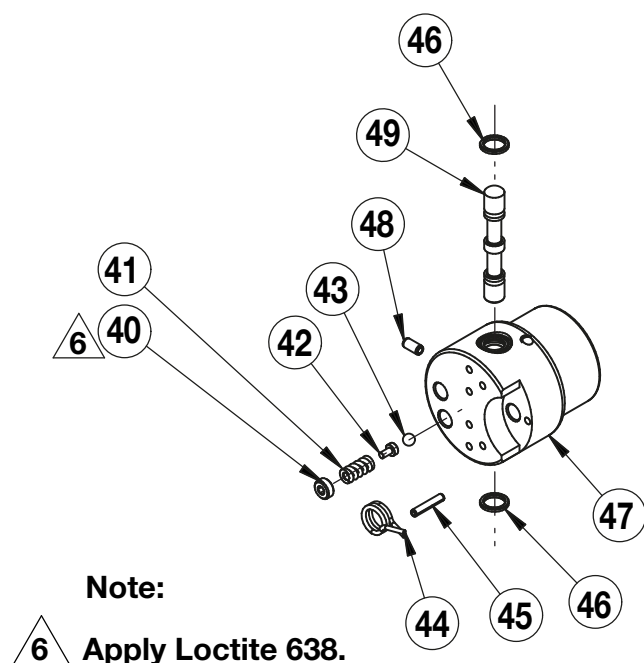


Parts List for Figure 13

Item No.	Qty.	Description
30	2	Socket Cap Screw M8 x 40 UNI5931 Zn
31	2	Schnorr Washer M8 Zn
32	10	O-Ring 008 4.48 x 1.78 90 SH
33	1	Valve Flange
34	1	Gasket EGR 0120 6.07 x 12 x 2
35	1	Piston
36	2	Check Valve
36.1	1	Valve Screw
36.2	1	Flat Washer 8 x 12 x 1.4 Copper
36.3	1	Spring F.0.7 x e5.7 x 7.5
36.4	1	Ball Guide
36.5	1	Ball 3/16 D. 4.76
36.6	1	Valve Cap
36.7	1	O-Ring 13 x 2 90 SH
36.8	1	O-Ring 8.73 x 1.78
36.9	1	Backup Ring BR 611-108
37	2	O-Ring 7.65 x 1.78
38	4	Schnorr Washer M6 Zn
39	4	Socket Cap Screw M6 x 35 UNI5931 Zn

Note: Kit parts available in kits only. Items not sold separately.

Figure 14 - EDCH13012K Rear Valve Kit

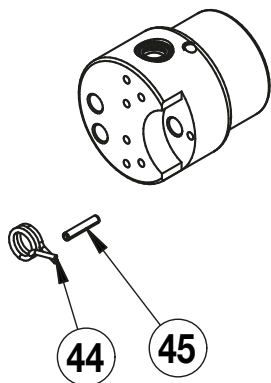


Parts List for Figure 14

Item No.	Qty.	Description
40	1	Adjustment Valve Grub Screw M8 x 3.5
41	1	Spring F.1.7 x e6.3 x 6 x Lo13 Rounded
42	1	Valve Pin
43	1	Ball 3/16 D. 4.76
44	1	Spring F.1.7 x i9.3 x 3
45	1	Spring Pin 3 x 16
46	2	Quad Ring 8.2 x 1.78
47	1	Distributor Assembly
48	1	Spring Pin 3 x 16
49	1	Valve Slider

Note: Kit parts available in kits only. Items not sold separately.

Figure 15 - EDCH13013K Collar Spring Kit

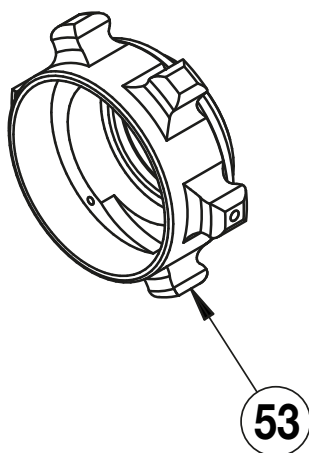


Parts List for Figure 15

Item No.	Qty.	Description
44	1	Spring F.1.7 x i9.3 x 3
45	1	Spring Pin 3 x 16

Note: Kit parts available in kits only. Items not sold separately.

Figure 16 - EDCH13014K Collar Kit

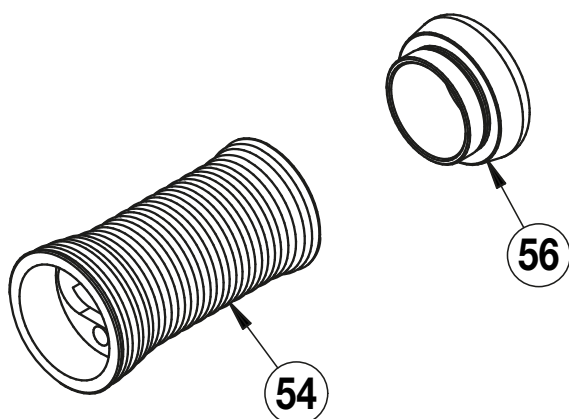


Parts List for Figure 16

Item No.	Qty.	Description
53	1	Control Valve Grip

Note: This kit contains only one part (item 53).

Figure 17 - EDCH13015K Positioning Handle Kit



Parts List for Figure 17

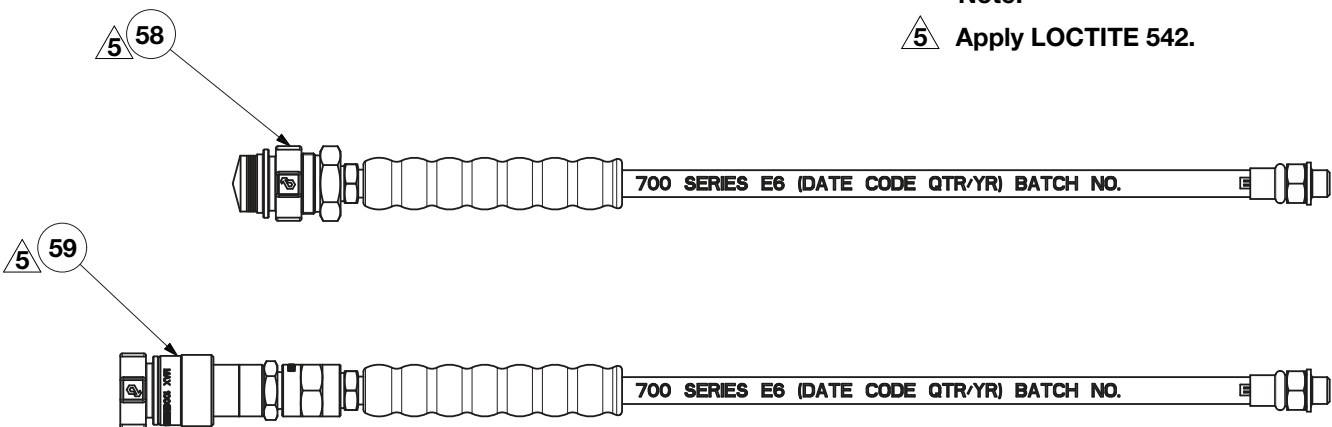
Item No.	Qty.	Description
54	1	Grip
56	1	Rubber Sleeve

Note: Kit parts available in kits only. Items not sold separately.

Figure 18 - ECH500EK Hydraulic Hose Kit.

Note:

5 Apply LOCTITE 542.



Parts List for Figure 18		
Item No.	Qty.	Description
58	1	Male Hose
59	1	Female Hose
Note: Kit parts available in kits only. Items not sold separately.		

Notes:

- The decal kit contains decals used on many different cutter models.
- Replace only the decals used on your cutter. Discard the remaining decals in the kit.

