

Repair Parts Sheet

XC-1502 Series Cordless Electric Torque Wrench Pump

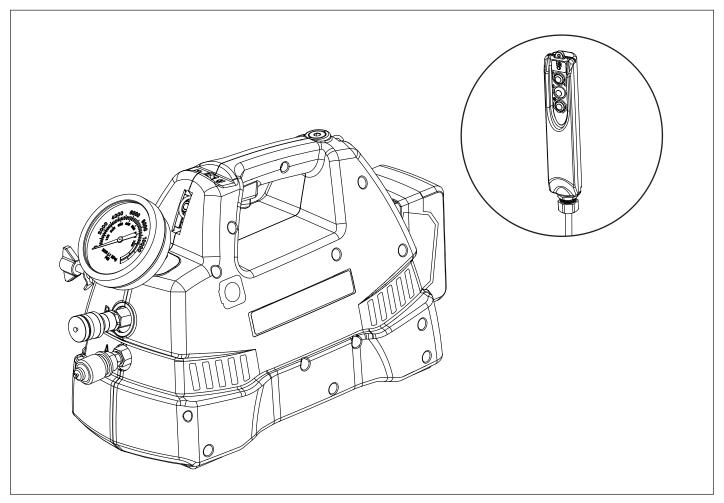
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Number	Revision	Revision Date	Beginning With
L4272	D	10/2020	A, B

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.

Table of Contents

Figure 1, Pump Shroud2	Figure 7, Pump Element Assembly10
Figure 2, Oil Fill and Vent Assembly3	Figure 8, Eccentric Housing Assembly12
Figure 3, Shroud and Electrical Components4	Figure 9, Eccentric Shaft Sub-Assembly13
Figure 4, Trigger Guard Assembly5	Figure 10, Pendant Assembly13
Figure 5, Pump and Motor Assembly6	Figure 11, Battery and Charger14
Figure 6, Valve Assembly8	





Fully relieve hydraulic pressure, remove battery and disconnect hydraulic hoses before beginning any maintenance, repair or inspection procedures. Failure to observe these precautions could result in death or serious personal injury.

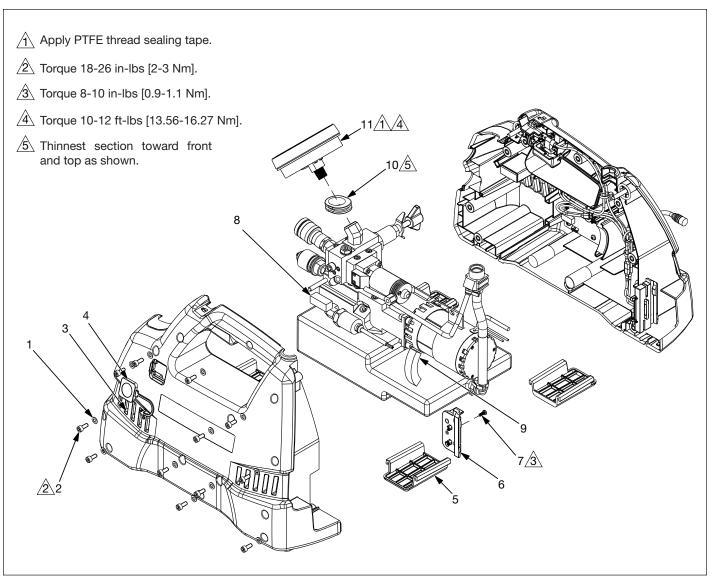


Figure 1, Pump Shroud

	Repair Parts List (Refer to Figure 1)					
Item	Part Number	Qty.	Description			
1	◆ CAE1050108-1A	12	Flat Washer DIN125A M5			
2	◆ CBE517028-1A	12	Screw-SHCS, Hex, M5 x 0.8 x 12, 8.8, Zinc			
3	◆ DD3405424	1	Shroud, LH			
4	◆ DD3408098	1	Cover, UARV Access			
5	❖ DD3414339	4	Foot, Slide			
6	■ DD3420101	1	Guide, LH, Battery Lock			
7	■ DD3883028	1	Screw (used to secure item 6 to LH shroud)			
8	DD3887339	1	Bumper, Pump Isolator			
9	DD4113339	1	Bumper, Isolator			
10	◆ DD6566808	1	Gauge Grommet			
11	DD7397223SR	1	Pressure Gauge			

- ♦ Items included as part of shroud kit (XC3CSK).
- Items included as part of battery guide kit (XC1BGK).
- Items included as part of rubber foot kit (XC1FK).

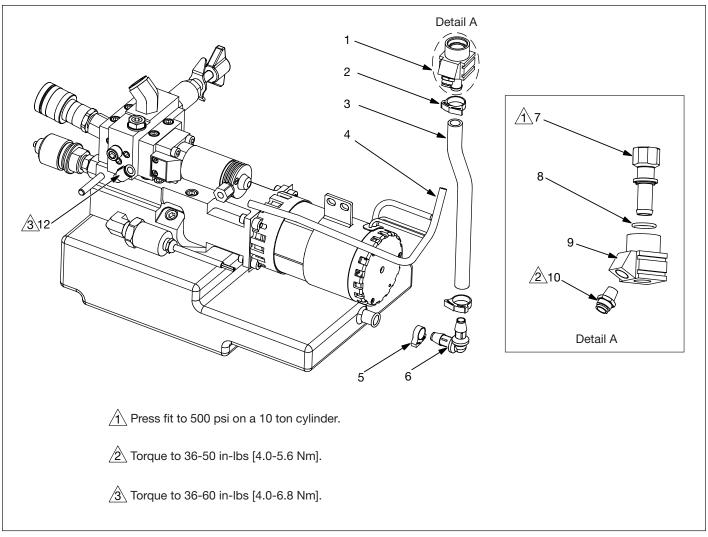


Figure 2, Oil Fill and Vent Assembly

	Repair Parts List (Refer to Figure 2)					
Item		Part Number	Qty.	Description		
1	0	DD3403900	1	Vented Fill Assembly		
2	+	DD4118017	2	Reusable Oil Fill Clip		
3	+	DD3415646	1	Oil Fill Hose		
4	+	DD4108646	1	Oil Vent Hose		
5	+	DD3885017	1	0.38 Reusable Clip		
6	+	DD3416097	1	0.38 Barb Tube Elbow		
7	0	DD3401097	1	Oil Vent/Fill Fitting		
8	0	B1220503	1	O-Ring		
9	0	DD3402097	1	Oil Vent/Fill Fitting		
10	0	F100097-33	1	Fitting, 1/8" Male, 1/4" Tube		
11	О	DD3948006	1	SAE #6 Plug (not shown)		
12	+	F100097-52	1	90° Male Connector, 1/8"-27		

- Items included as part of oil fill tubing kit (XC1TK).Items included as part of XC vented oil fill service kit (XC1VFK).

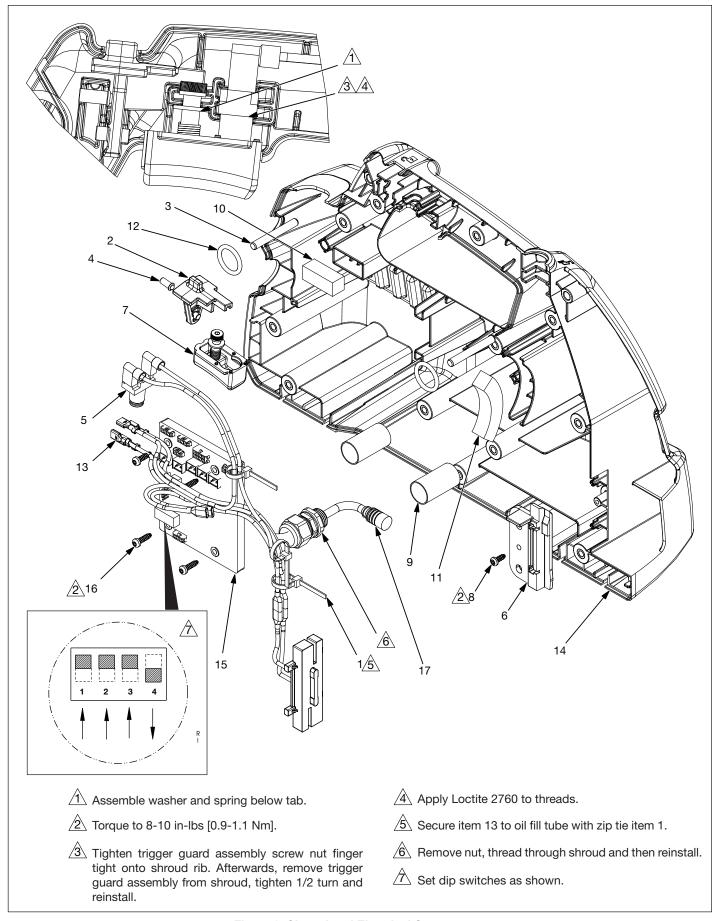


Figure 3, Shroud and Electrical Components

	Repair Parts List (Refer to Figure 3)				
Item	Part Number	Qty.	Description		
1	DC9876647	3	Black Cable Tie 6"		
2	DD2998098	1	Safety Lock Cover		
3	DD3417059	2	6 mm x 45 mm Long Pin		
4	DD3421013	1	Safety Lock Detent		
5	DD3423379	1	Switch, On-Off, Momentary		
6	■ DD3426101	1	Guide, RH, Battery Lock		
7	DD3882900	1	Trigger Guard Assembly		
8	■ DD3883028	1	Screw (used to secure item 6 to RH shroud)		
9	◆ DD3886268	2	Tube Guide Assembly		
10	DD3887339	1	Pump Isolator Bumper		
11	DD4113339	1	Isolator Bumper		
12	DD4769667	2	Round Ring		
13	DD6942960SR	1	Wire Harness for 60 amp 24 VDC XC Pump		
14	◆ DD7332424	1	Shroud, RH		
15	◆ DD7368827	1	XCTW Application Board		
16	◆ DD7369128	4	Screw M4 x 14		
17	DD7396960SR	1	Pigtail Pendant Connector		

- Items included as part of shroud kit (XC3CSK).
 Items included as part of battery guide kit (XC1BGK).
 Items included as part of XCTW PCB service kit (XC3ACK).

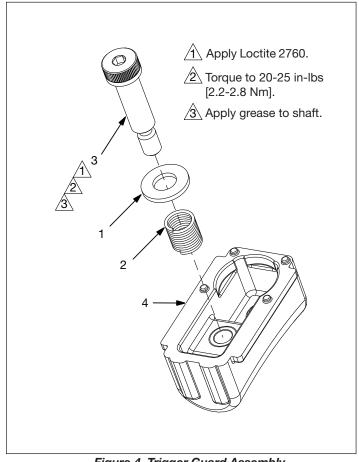


Figure 4, Trigger Guard Assembly

	Repair Parts List (Refer to Figure 4)					
Item	Part Number	Qty.	Description			
1	B1088108	1	Washer			
2	DD4114098	1	Trigger Spring			
3	DD4109028	1	Screw			
4	DD3407110	1	Trigger Switch Cover			

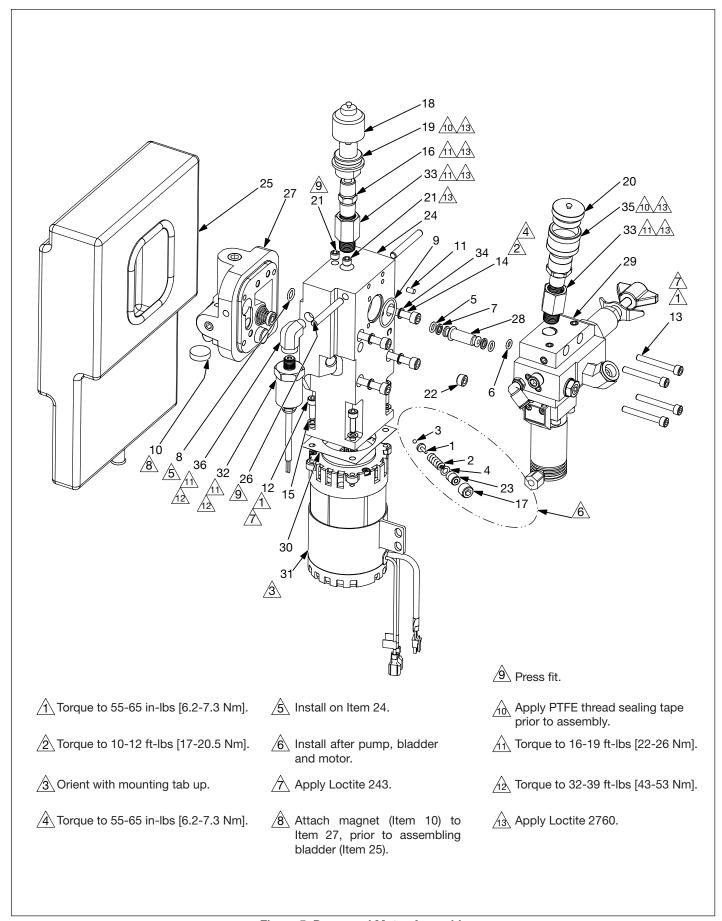


Figure 5, Pump and Motor Assembly

	Repair Parts List (Refer to Figure 5)					
Item	Part Number	Qty.	Description			
1	- ⊹ A8038570	1	Ball Cap			
2	+ A8126110	1	Spring			
7	▲ ** B1010564	2	Backup Washer			
8	♦ ♦ ▲ B1011803	1	O-ring 5/16", 7/16", 1/16"			
9	* * DD7437203	1	XCTW Quad-Ring			
10	C187018	1	Magnet			
11	☆ CAA411061-2B	1	4 mm x 8 mm Dowel Pin			
12	❖ * CBE519028-1A	4	Screw-SHCS, Hex, M5 x 0.8 x 16, 8.8, Zinc			
13	* * CCA529028-1A	4	Screw-SHCS, Hex, M5 x 0.8 x 40, 12.9, Plain			
14	❖ CCA635028-1A	4	Screw-SHCS M6 x 55			
15	❖ * CCE1050108-6A	4	Lock Washer			
16	CJ647096	1	Pipe Nipple, 1/4" x 1/4" NPTF			
17	+ DC10131048	1	Set Screw, 7/16-20 x 0.38			
18	DC6187234	1	Dust Cap (for female coupler)			
19	DC6188020	1	Coupler			
20	DC6629020	1	Dust Cap (for male coupler)			
21	❖ DC6792245	2	PTF-SAE Flush Plug 0.062"			
22	❖ DC6793245	1	PTF-SAE Flush Plug 1/8"			
23	+ DC7234009	1	Plug			
24	❖ DD2990900	1	Eccentric Housing Assembly			
25	♦ DD2991025	1	2L Bladder			
26	❖ DD3417059	2	Pin, 6 mm x 45 mm Long			
27	DD3868900	1	Pump Assembly			
28	* DD4798268	1	Tube Connector			
29	* DD5653900 (see Figure 6)	1	Valve Assembly 24VDC			
30	* DD6917037	1	Gasket			
31	* DD7013259	1	Motor			
32	DD7065960SR	1	Pressure Transducer			
33	DD7386038	2	1/4" NPTF Female x Male Straight Adaptor			
34	♦ ♦ ▲ S3037	4	Gasket			
35	U962148134-2	1	Female Coupler			
36	Y714291	1	Elbow			

- Items included as part of eccentric housing service kit (XC1ECK).
- ♦ Items included as part of 2 liter bladder kit (XC1B2LK).
- → Items included as part of UARV assembly kit (XA1UARVK).
- ▲ Items included as part of pump seal kit (XC3SK).
- * Items included as part of 0.5 HP motor service kit (XC3EMK).
- * Items included as part of torque wrench valve seal kit (XC3TVSK).
- * Items included as part of torque wrench valve replacement kit (XC3MVK).

IMPORTANT: Pumps with date code beginning with the letter "A": If the motor (Figure 5, Item 31) requires replacement, the application board (Figure 3, item 15) must be updated to the most recent firmware version OR replaced with a new application board containing the most recent firmware version.

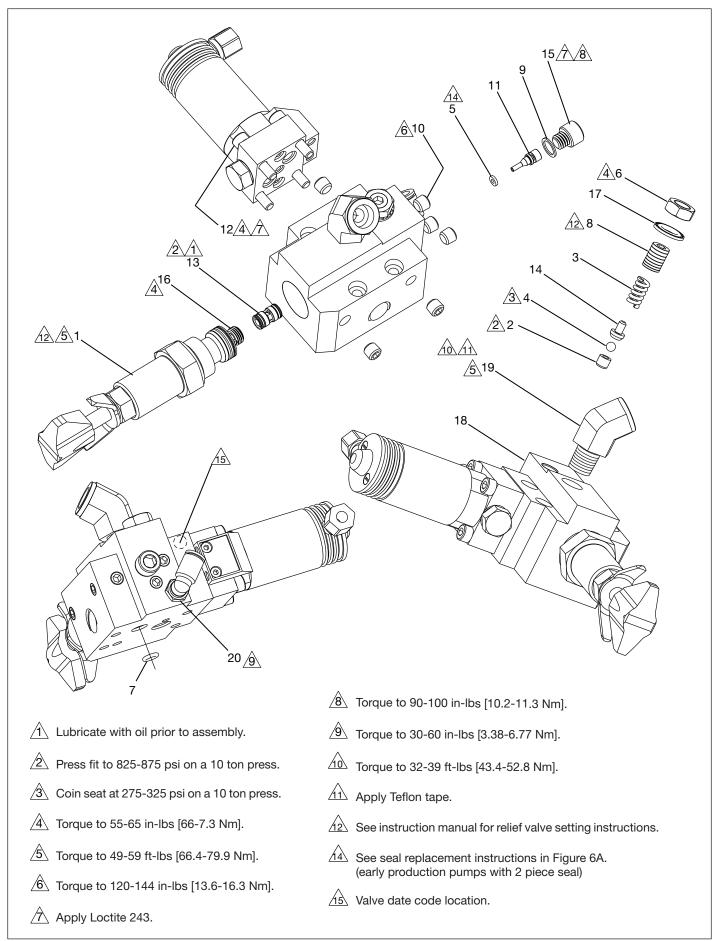


Figure 6, Valve Assembly

	Repair Parts List (Refer to Figure 6)					
Item		Part Number	Qty.	Description		
1		45423SR	1	Cartridge Relief Valve		
2		A8015290	1	Seat		
3	• *	A8038110	1	Spring		
4	• *	B1005016	1	3/16" Diameter Ball		
5	*	B1005564	1	Back up Ring, Split, 0.094, 0.219, 0.045		
6	• *	B1006124	1	Hex Jam Nut		
7		B1009803	1	O-Ring, Round, 0.219, 0.344, 0.063		
8	• *	BF3808027F	1	Set Screw, Flat Point		
9	*	C846037	1	Copper Gasket		
10		DC6792245	6	PTF-SAE Flush Plug 0.062		
11	*	DD4790051	1	B-Side Pilot Piston		
12		DD5655660SR	1	Solenoid Valve		
13		DD6005900	1	Shuttle Cartridge Assembly		
14	• *	DD6573013	1	Ball Guide		
15	*	DD6576028	1	5/16-18 x 1/4 SHCS		
16		DD6957027	1	Hollow Set Screw, 1/8"-24 UNF x 0.1875		
17	• *	DD7232314	1	Sealing Washer		
18		DD7322840	1	Valve Manifold		
19		F100095	1	45° Fitting Elbow, Male-Female, 1/4" NPTF		
20		F100097-52	1	90° Fitting Elbow, Male, Brass		

- Items included as part of B-side relief kit (XC3BRK).
- * Items included as part of torque wrench valve seal kit (XC3TVSK).

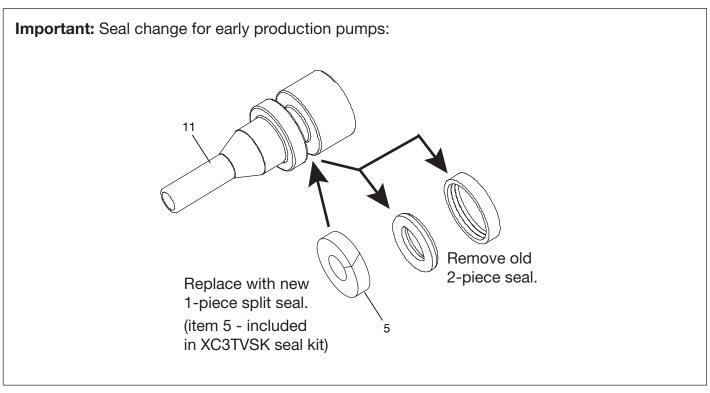


Figure 6A, Installation, 1-Piece Split Seal

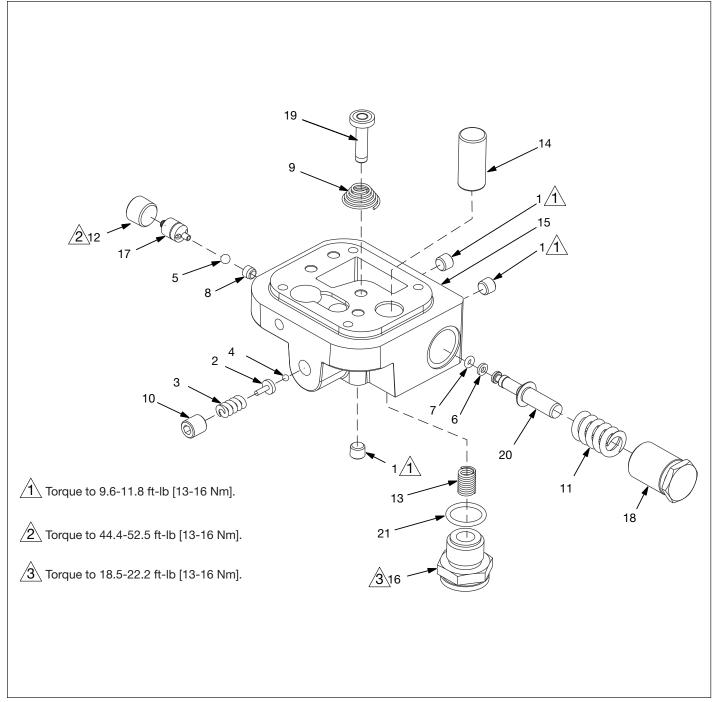


Figure 7, Pump Element Assembly

Repair Parts List (Refer to Figure 7)					
Item	Part Number	Qty.	Description		
1	◆ A1006245	3	Plug, Flush, 1/16"		
2	◆ A8038570	1	Ball Guide		
3	◆ A8126110	1	Spring		
4	◆ B1003016	1	Ball, 1/8" Diameter		
5	◆ B1005016	1	Ball, 3/16" Diameter		
6	▲ ◆ B1006564	1	Back-up Washer		
7	▲ ◆ B1006803	1	O-ring		
8	◆ BSS5358D	1	Lower Piston Seat		
9	◆ BSS5509D	1	Conical Spring		
10	◆ DC1185-048	1	Hex Head Set Screw		
11	◆ DC394110	1	Spring Bypass		
12	◆ DC6794245	1	PTF-SAE Flush Plug 0.250		
13	◆ DC7026110	1	Spring		
14	◆ DC7027051	1	Piston, 14mm Diameter, LG		
15	◆ DC7201190	1	Pump Body		
16	◆ DC7453950	1	Inlet Check Valve Plug Assembly		
17	◆ DC7904900	1	Outlet Check Sub-Assembly		
18	◆ DC9208020	1	Bypass End Cap		
19	◆ DC9244920	1	Piston Assembly MPE		
20	◆ DC9292051	1	Piston, Bypass		
21	▲ ◆ B1908503	1	O-ring		

 [◆] Items included as part of pump element kit (XA1PEK).
 ▲ Items included as part of pump seal kit (XC3SK).

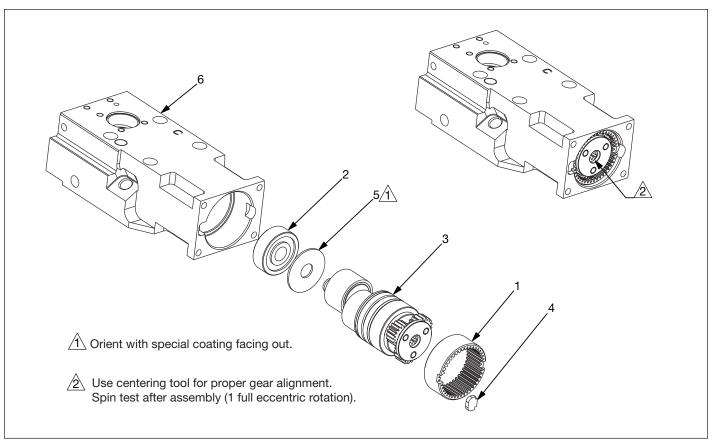


Figure 8, Eccentric Housing Assembly

Repair Parts List (Refer to Figure 8)					
Item Part Number Qty			Qty.	Description	
1	*	DC7089228	1	Inner-Gear-New (included in air motor kit)	
2	*	DC7096155	1	Bearing	
3	*	DC7177950 (see Figure 9)	1	Eccentric Shaft Sub-Assembly	
4	**	DC7452251	1	Key, Gear Ring	
5	*	DC7464108	1	Bushing 12 x 37 x 1.5	
6	*	DD2989001	1	Eccentric Housing, XB	

[❖] Items included as part of Eccemtric Housing Service Kit (XC1ECK).

^{*} Items included as part of 0.5 HP Motor Service Kit (XC3EMK).

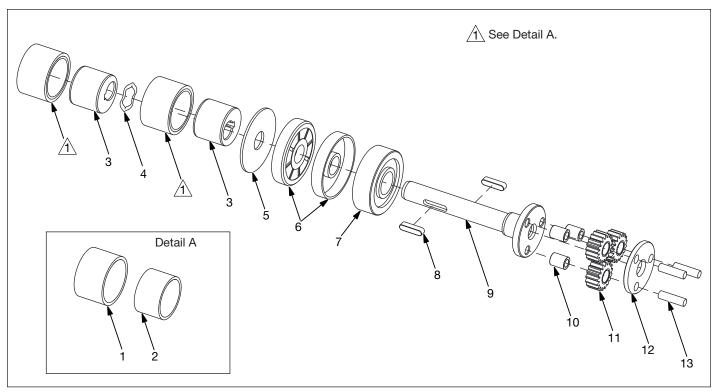


Figure 9, Eccentric Shaft Sub-Assembly

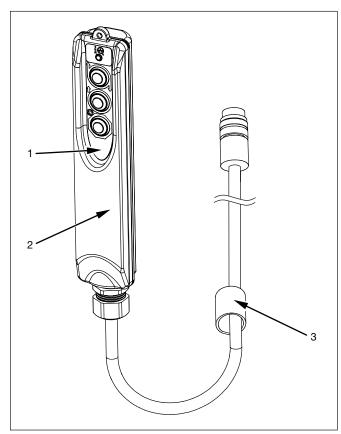


Figure 10, Pendant Assembly

	Repair Parts List (Refer to Figure 9)					
Item	Part Number	Qty.	Description			
1	❖ DC108950	2	Bushing			
2	❖ (included w/ item 1)	2	Cam			
3	❖ DC7117537	2	Eccentric, 4 mm Offset			
4	❖ DC7750410	1	Wave Spring			
5	❖ DC7186108	1	Thrust Washer			
6	❖ DC7090476	2	Lip Seal			
7	❖ DC7097155	1	Bearing			
8	❖ DC7191251	2	Key			
9	❖ DC7091104	1	Shaft			
10	❖ DC7747155	3	Needle Bearing			
11	❖ DC7100228	3	Planetary Gear			
12	❖ DC7445101	1	Shaft Plate			
13	❖ DC7166059	3	Axle Pin			

Items included in eccentric housing service kit (XC1ECK).

	Repair Parts List (Refer to Figure 10)					
Item Part Number Qty. Description						
1	*	DD7348026	1	Pendant Decal		
2	*	DD7283900	1	Pendant		
3	*	DA7570217	1	Cord Strap		

 $[\]Rightarrow$ Items included as part of XCTW pendant replacement kit (XC3P3BK).

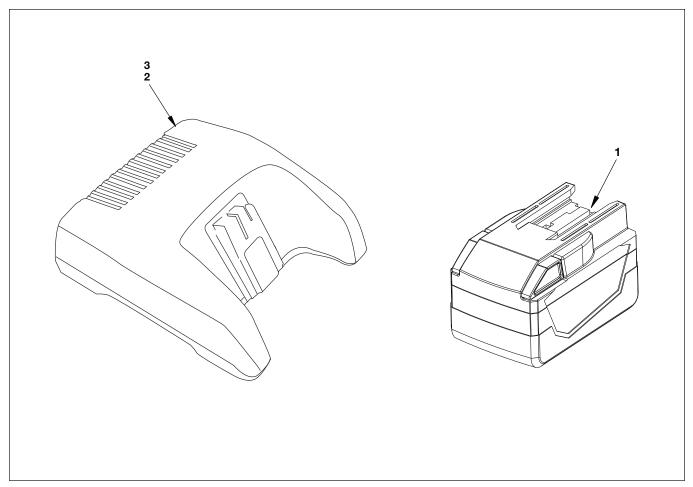


Figure 11, Battery and Charger

Repair Parts List (Refer to Figure 11)			
Item	Part Number	Qty.	Description
1	XC28V5	1	Battery, 28 Volt, 5 Ah, Li-Ion
2	XC115VC	1	Battery Charger, 115 VAC input
3	XC230VC	1	Battery Charger, 230 VAC input

Note: "M28™" and the Milwaukee Electric Tool logo are trademarks and intellectual property of Milwaukee Electric Tool Corporation. Exact appearance of battery and charger may vary.

Notes:



