

Repair Parts Sheet

ZC-Series Cordless Electric Pumps

Document	Document	Document	Product Date Code
Number	Revision	Revision Date	Beginning With
L4243_J	D	02/2025	

To Protect Your Warranty, Use Only ENERPAC Hydraulic Oil.

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

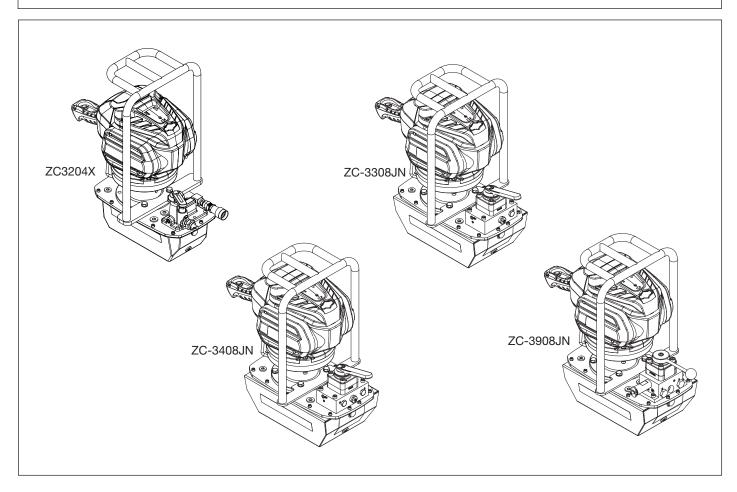


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WARNING Fully relieve hydraulic pressure, remove battery, and disconnect hydraulic hoses before beginning any maintenance, repair or inspection procedures. Failure to observe these precautions could result in death or serious personal injury.

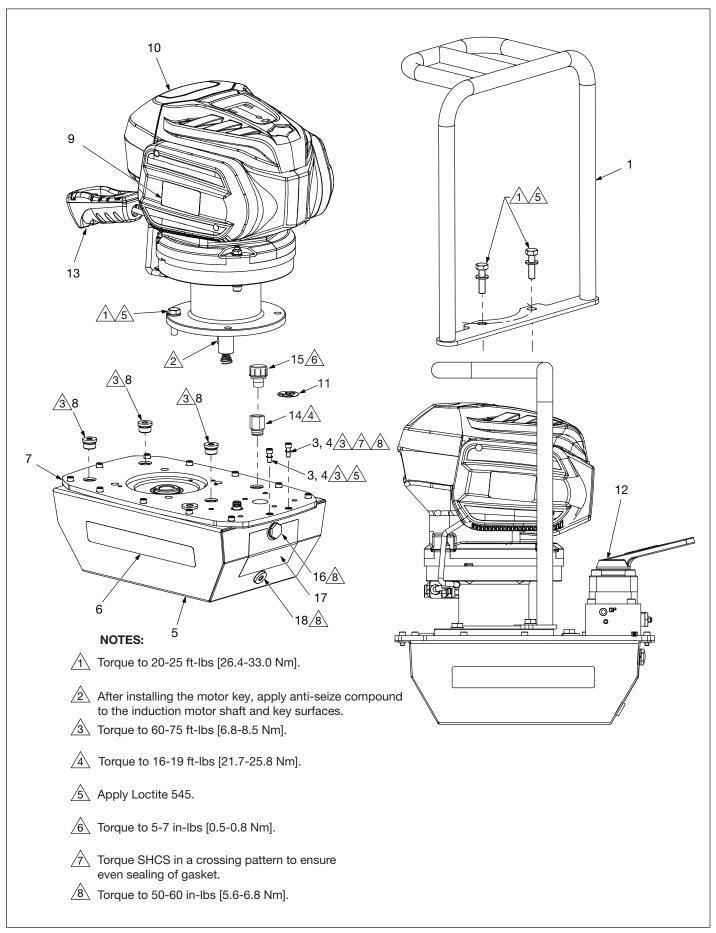


Figure 1, ZC-Series Pump

	Repair Parts List (Refer to Figure 1)						
Item Part Number		Qty.	Description				
1	DD7242920	1	Handle 4 and 8 Liter				
2	DC2749768	1	Return Pipe 3/8 NPT x 5" (for 2.5 gal)				
3	★ CBE619028-1A	13	SHCS M6-1 x 16 Zinc				
4	★ DC9551920	13	Gasket				
5	◆ DC8136025		8L Reservoir (used on pump models ZC3308J, ZC3408J and ZC3908J)				
	Note: For pump model ZC3	3204X,	See Figure 1A for reservoir parts.				
6	◆ DC9596026	2	Decal Enerpac Reservoir				
7	See Figure 6	1	Cover Plate and Pump Element Assy.				
8	B1006006	3	Plug Socket SAE #8				
9	DD7237026	2	Decal ZC Class				
10	See Figure 4	1	Powerhead Assy.				
11	DD9920026	1	Decal Read Instructions				
12	See Figures 2 and 3	1	Directional Control Valve				
13	See Figure 5	1	Remote Pendant				
14	★ F100096-38	1	Fitting, Adapter				
15	★ DC8250006	1	Plug, Breather				
16	◆ DC85900SR	1	Sight Glass				
17	DD7223026	1	Decal - Product				
18	◆ DC8249006	1	Plug, Magnetic				

[★] Items included in Seal Kit, ZE3K. ❖ Items included in 8L Reservoir Kit, DC8136025SR.

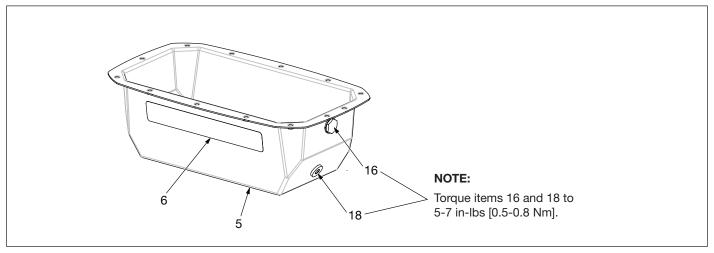


Figure 1A, 4 Liter Reservoir

	Repair Parts List (Refer to Figure 1A)						
Item Part Number		Qty.	Description				
5	❖ DC9379025	1	4L Reservoir (used on pump model ZC3204X)				
6	❖ DC9596026	2	Decal Enerpac Reservoir				
16	❖ DC85900SR	1	Sight Glass				
18	❖ DC8249006	1	Plug, Magnetic				
NS	DD7223026	1	Decal - Product				

[♦] Items included in 4L Reservoir Kit, DC9379025SR. NS = Not shown.

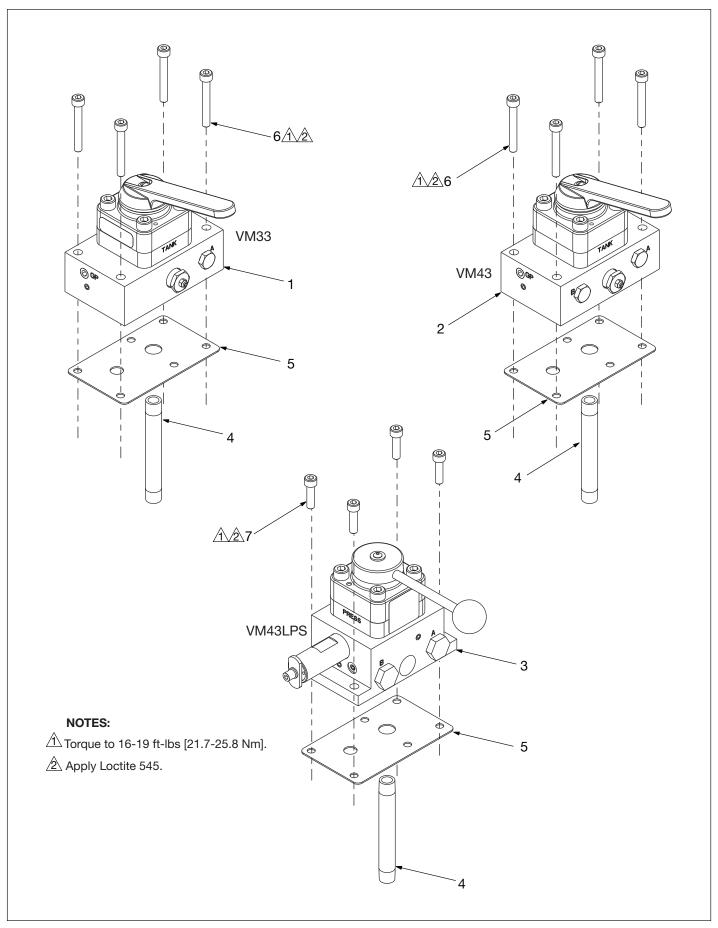


Figure 2, Control Valve, Models VM33, VM43 and VM43LPS

	Repair Parts List (Refer to Figure 2)					
Item Part Number Qt		Qty.	Description			
1	DC6202900	1	VM33 Pump Mount DC5170 (used on pump model ZC3308J)			
2	DC6204900	1	VM43 Pump Mount DC5190 (used on pump model ZC3408J)			
3	DC8254900	1	VM43LPS Mount DC7425 (used on pump model ZC3908J)			
4	DC2749768-1B	1	Return Pipe 3/8 NPT x 5"			
5	DC9356037	1	Gasket, Valve			
6	CBE837028-1A	4	Screw, Low Socket Head M8 x 1.25 x 60L Zinc			
7	CBE825028-1A	4	Screw, Low Socket Head M8 x 1.25 x 30L Zinc			

NOTE: Refer to repair parts sheet L2613 for VM33 control valve replacement parts.

Refer to repair parts sheet L2613 for VM43 control valve replacement parts.

Refer to repair parts sheet L2956 for VM43LPS control valve replacement parts.

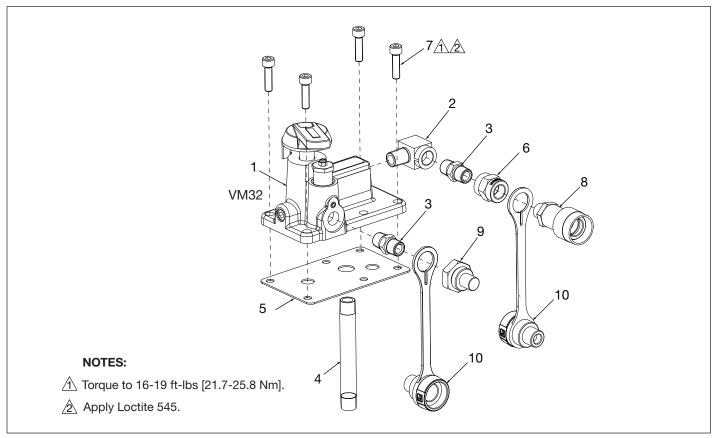


Figure 3, Control Valve, Model VM32

	Repair Parts List (Refer to Figure 3)						
Item	Item Part Number Qty		Description				
1	DD8256900	1	VM32 Pump Mount DD8255 (Used on pump model ZC3204X)				
2	FZ1616	1	Street Elbow				
3	FZ1619	2	Nipple, Hex				
4	DC2749768-1B	1	Return Pipe 3/8 NPT x 5"				
5	DC9356037	1	Gasket, Valve				
6	FZ1614	1	Coupling				
7	CBE825028-1A	4	Screw, Low Socket Head M8 x 1.25 x 30L Zinc				
8	CR400	1	Coupler Half, High-flow (female)				
9	CH604	1	Coupler Half, High-flow (male)				
10	CD411	2	Dust Cap/Plug				

NOTE: Refer to repair parts sheet L2614 for VM32 control valve replacement parts.

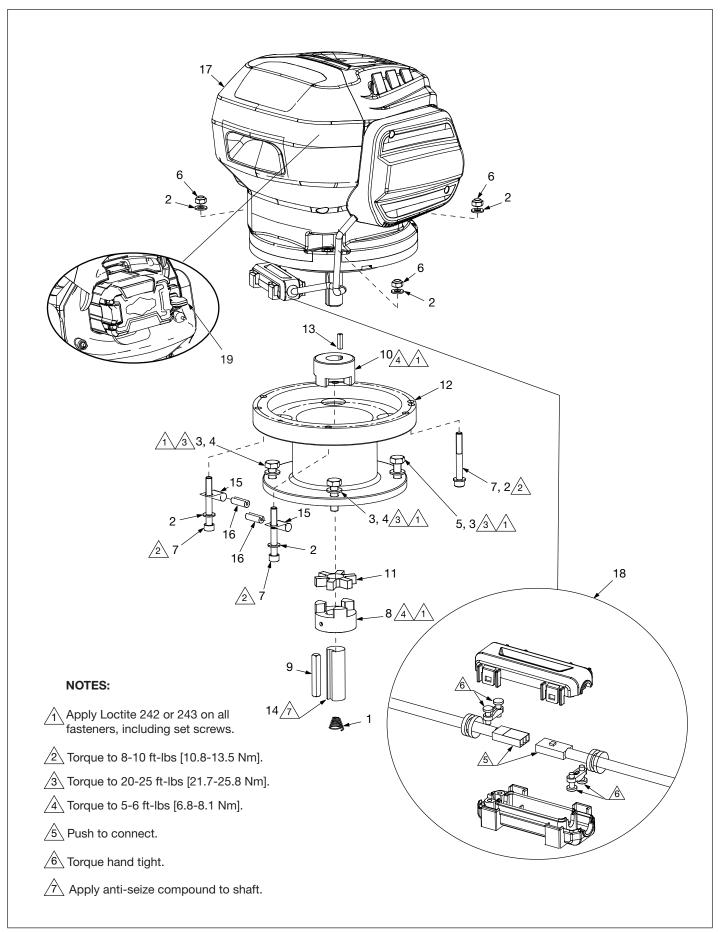


Figure 4, ZC-Series Powerhead

Repair Parts List (Refer to Figure 4)					
Item	Part Number	Qty.	Description		
1	BSS5509D	1	Spring, Conical		
2	CAE1080108-1A	6	Washer		
3	CAE1100108-1A	4	Washer 10mm Zinc		
4	CBE1027046-1B	2	Bolt, Hex Head M10 x 35 Zinc		
5	CBE1029046-1B	2	Bolt, Hex Head M10 x 65 Zinc		
6	CBE1080120-2A	3	M8 Lock Nut		
7	CBE839028-1A	3	SHC M8 x 65 Zinc		
8	DC2380034	1	Coupler		
9	DC8087251	1	Key 5/16 ZG		
10	DC8088034	1	Coupler		
11	DC8089234	1	Coupling Spider		
12	DC8130004	1	Adapter Flange		
13	DC8146251	1	Key 2/16 ZG		
14	DC9079104	1	Shaft Adaptor		
15	DD7228299	2	Loop Clamp, Vibration-Dampening		
16	DD7729037	2	Rubber Strip, Buna-n, Oil Resistant		
17	PH-ZC	1	Powerhead Assembly		
18	DD7361095	1	Clamshell Connector		
19	DD7392146	1	Safety Key		

NOTE: Powerhead assembly (item 17) does not contain any user serviceable parts.

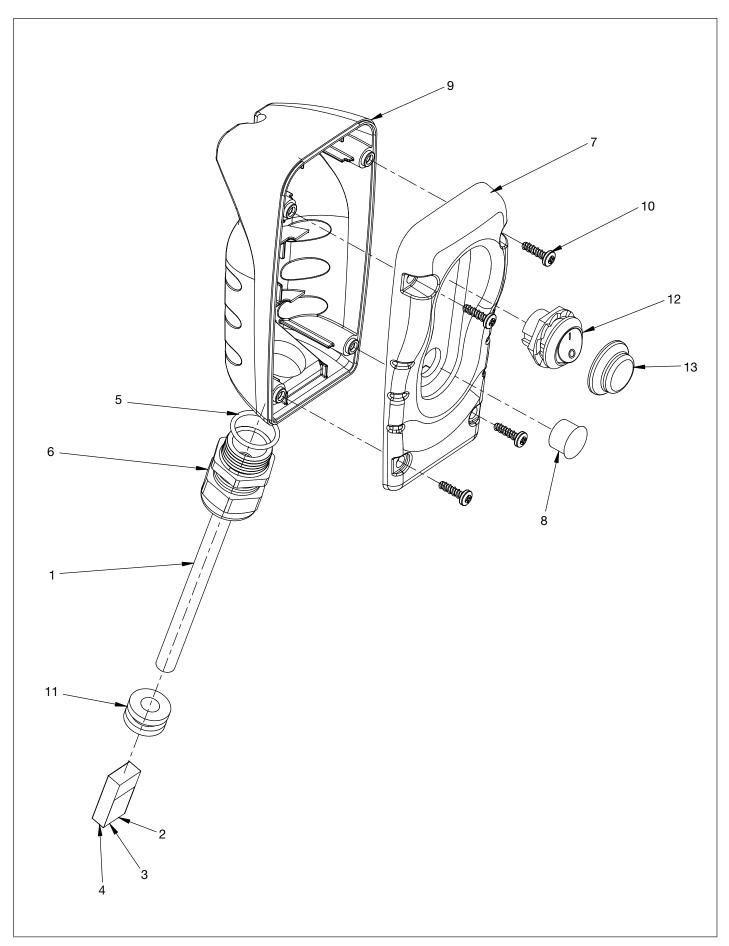


Figure 5, Remote Pendant Switch

	Repair Parts List (Refer to Figure 5)						
Item	Part Number	Qty.	Description				
1	19509	1	Cable				
2	179464-1	1	Housing				
3	A106296-ND	1	Lock				
4	A122376-ND	3	Terminals 26-22				
5	• B1223503	1	O-Ring				
6	CD20MA-BK	1	Domed Cord Grip 20mm				
7	DC8122424	1	Pendant Housing Upper ZA				
8	• DC8228009	1	Dome Plug 1/2"				
9	DC9425424	1	Enclosure, Lower Pendant				
10	DC9428008	4	Screw, Hi-Lo #8 x 1/2				
11	• DD7226380	1	Grommet				
12	● EG1889-ND	1	Switch Rocker SPST 10A 125V				
13	RDR0940X0385	1	Crystal Switch Seal				

[•] Items included in Remote Pendant Replace Kit, P-ZC.

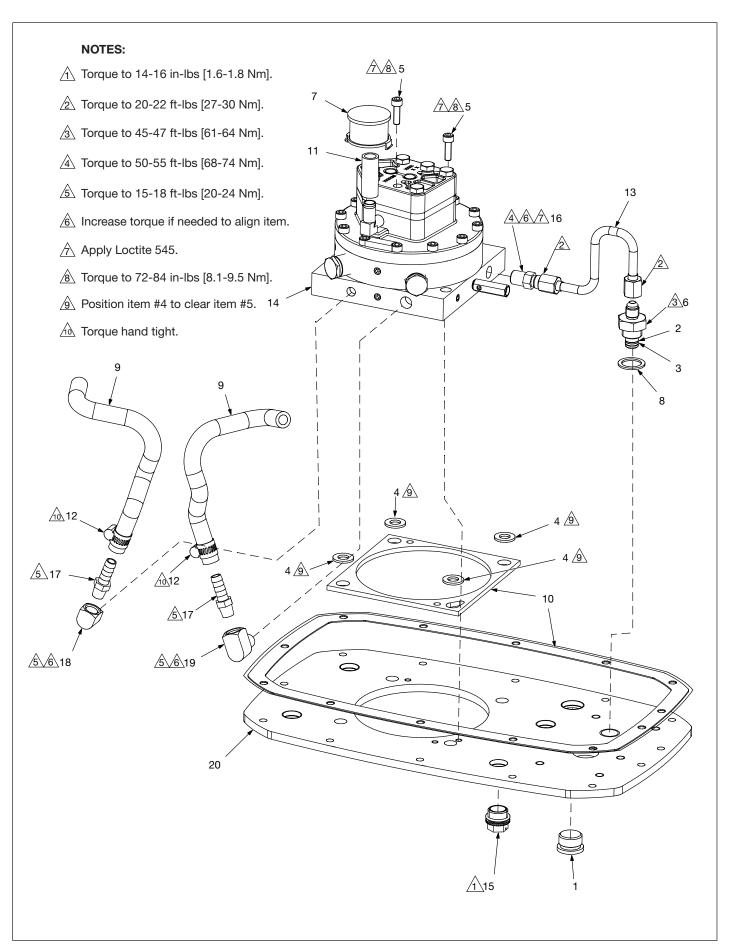


Figure 6, Cover Plate and Pump Element

	Repair Parts List (Refer to Figure 6)					
Item		Part Number	Qty.	Description		
1		B1007006	1	Plug Socket SAE #10		
2	*	B1012566	1	Teflon Washer		
3	*	B1012803	1	O-Ring (.38 x .50 x .06) Poly		
4		DD7324108	4	Washer M10 0.8mm-1.0mm ALUM.		
5		CBE621028-1A	2	SHCS M6 x 20 Zinc		
6		DC9173690	1	Connector Tube/Fitting		
7		DC9178118	1	Intake Filter		
8	*	DC9271167	1	Gasket, Copper 0.754 x 1.017 x 0.064		
9		DC9418646	2	Hose Bypass 5"		
10	* • *	DC9551920	1	Gasket ASM Reservoir/Motor Z		
11		DC9600268	1	Tube Intake 4L 1.6"		
12		DC9639299	2	Hose Clamp Steel 3/8-7/8		
13		DC9663920	1	Tube ASM Steel ZE Pump		
14		See Figure 7	1	Pump Element Assembly		
15		DD6321271	1	Thread Protector SAE #8 with O-ring		
16		F100094-246	1	Connector, Flare		
20		DC9451101-P01	1	ZE Cover Plate		
		Pump models	ZC330	8J, ZC3408J and ZC3908J only:		
17		F100097-16	2	Fitting, Hose Barb .25 NPT		
18		F100097-79	1	Street Elbow, 1/4" NPT Female x 1/4" Male, Brass		
19		F100097-81	1	Street Elbow, 1/4" NPT Female x 1/8" Male, Brass		
Pump mo		ump m	odel ZC3204X only:			
17		F100097-9	2	Fitting, Hose Barb 1/8" NPT		
18		U190300095	1	Street Elbow, 1/8" NPT Female x 1/4" NPT Male, Brass		
19		F100097-78	1	Street Elbow, 1/8" NPT Female x 1/8" Male, Brass		

[★] Items included in Seal Kit, ZE3K.
❖ Item included in 4L Reservoir Kit, DC9379025SR.
❖ Item included in 8L Reservoir Kit, DC8136025SR.

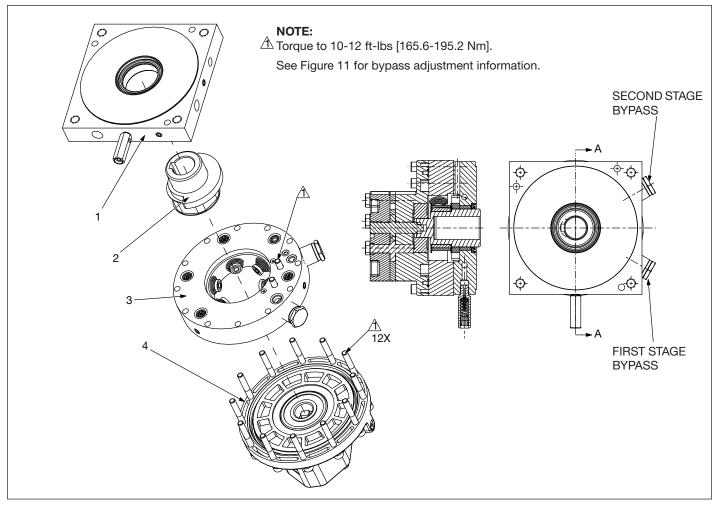


Figure 7, Pump Element Assembly

	Repair Parts List (Refer to Figure 7)						
Item	Part Number	Qty.	Description				
1	★ See Figure 9	1	Assembly, Top Plate				
2	★ See Figure 8	1	Eccentric Assy, 3-Stage MPE				
3	★ See Figure 10	1	Assembly, Piston Ring				
4	★ See Figure 14	1	Gear Pump and O-Rings				

^{*} Items included in 3-Stage MPE Replacement Kit, DD350900SR.

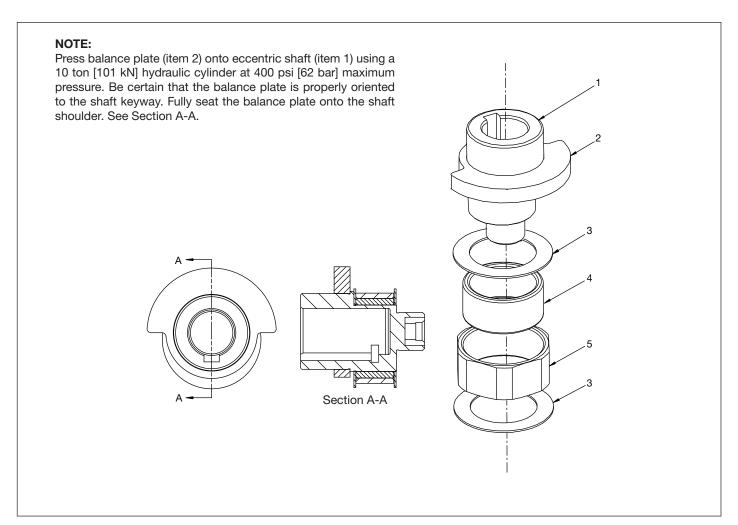


Figure 8, Eccentric Assembly

Repair Parts List (Refer to Figure 8)						
Item		Part Number	Qty.	Description		
1	*	DD3653537	1	Eccentric, Induction		
2	*	DC9023101	1	Plate, Balance		
3	*	BSS4725D	1	Ring		
4	*	DC4107155	1	Bearing, Needle		
5	*	DC4328350	1	Hex Cam		

^{*} Items included in Eccentric Replacement Kit, DD3826900SR.

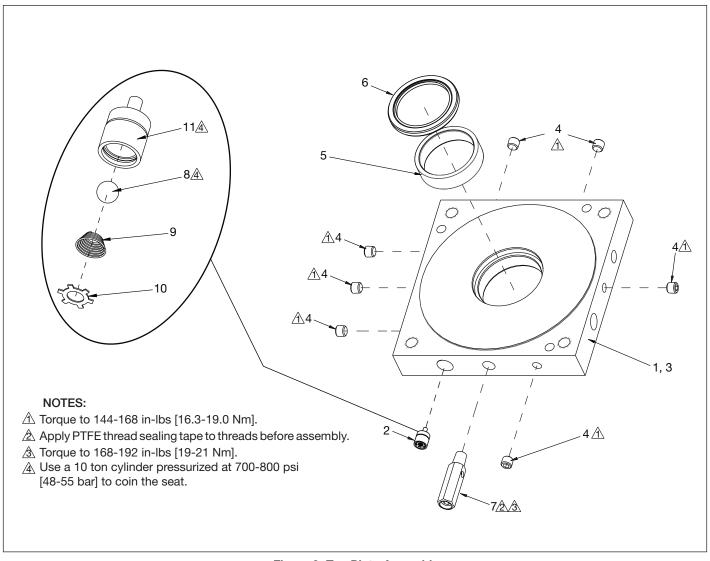


Figure 9, Top Plate Assembly

	Repair Parts List (Refer to Figure 9)					
Item Part Number Q		Qty.	Description			
1	* DD2802101	1	Top Plate, 3 Stage MPE			
2	* DD3825900	1	Subassembly, Check Valve (includes items 8, 9, 10 and 11)			
3	* DD3833900	1	Top Plate with Check Valve Assembly			
4	* * A1006245	7	Flush Plug, 1/16"			
5	* DC9026155	1	Bearing, Needle			
6	◆ * DC9027776	1	Seal, Oil Lip			
7	* DA5999900SR	1	Relief Valve, 1/8" NPT			
8	* B1005016	1	Check Ball, 3/16" Diameter			
9	* BSS5809D	1	Spring, Piston Check Ball			
10	* BSS5356D	1	Ring, Retaining			
11	* BSS5357D	1	Piston Seat, Upper			

^{*} Items included in 3-Stage MPE Repair Kit, Z3STGRPK.

 * Items included in 3-Stage Top Plate Replacement Kit, DD3824900SR.

[♦] Items included in 3-Stage MPE Seal Kit, Z3STGSLK.

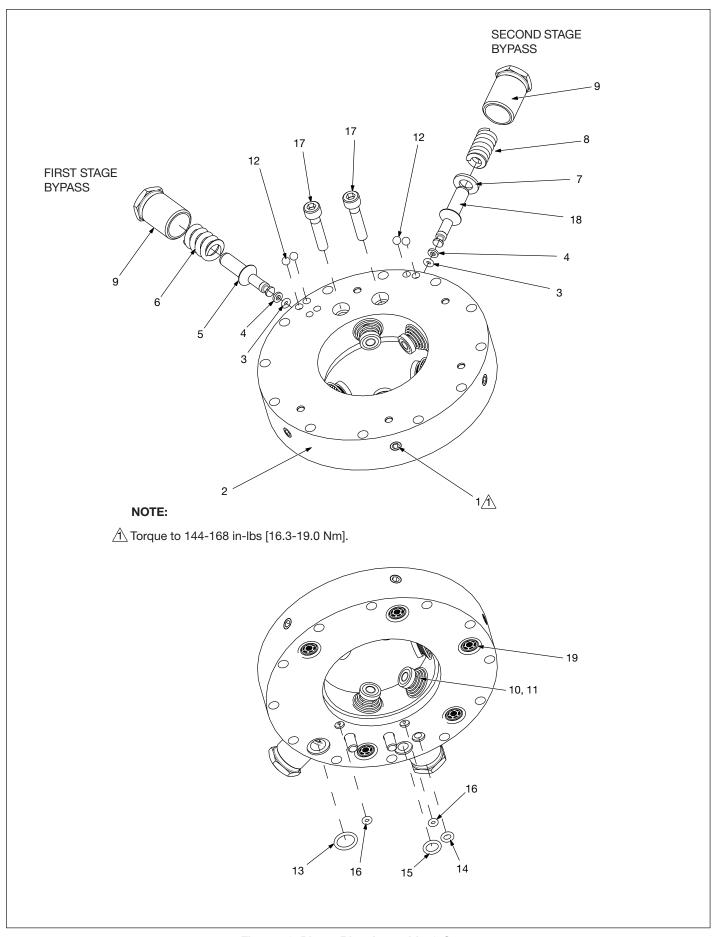


Figure 10, Piston Ring Assembly, 3-Stage

Repair Parts List (Refer to Figure 10)					
Item	Part Number		Qty.	Description	
1	*	A1006245	5	Flush Plug, 1/16"	
2	+*	DD2803101	1	Piston Ring, 5-Piston, 3-Stage	
3		B1006803	2	O-Ring	
4		B1006564	2	Washer, Back-Up	
5	+*	DC929051	1	Piston, 1st Stage Bypass	
6		DC394110	1	Spring, 1st Stage Bypass	
7	+*	DD4954108	1	Washer, 2nd Stage Bypass, TQ700 II	
8	+*	DD5926110	1	Spring, 2nd Stage Bypass	
9	+*	DC9208020	2	End Cap, Bypass	
10	+*	BSS5509D	5	Spring	
11	*+*	DC9244920	5	Piston Assembly, MPE	
12		DC9293016	4	Ball, Nylon 3-1/16"	
13	*⊹*	B1013803	1	O-Ring, Disogrin, -013	
14	+ ★*	B1008803	1	O-Ring, Disogrin, -008	
15	+ ★*	B1011803	1	O-Ring, Disogrin, -011	
16	+ ★*	B1005403	2	O-Ring, Disogrin, -005	
17	+	CCA625028-1A	2	SHCS M6 x 1.0 x 30	
18	+*	DD5925051	1	Piston, 2nd Stage Bypass	
19		See Figure 12	5	Check Ball Assemblies	

^{*} Items included in 3-Stage MPE Repair Kit, Z3STGRPK.

⁺ Items included in 3-Stage Piston Ring Replacement Kit, DD3822900SR.

[♦] Items included in 3-Stage MPE Seal Kit, Z3STGSLK.

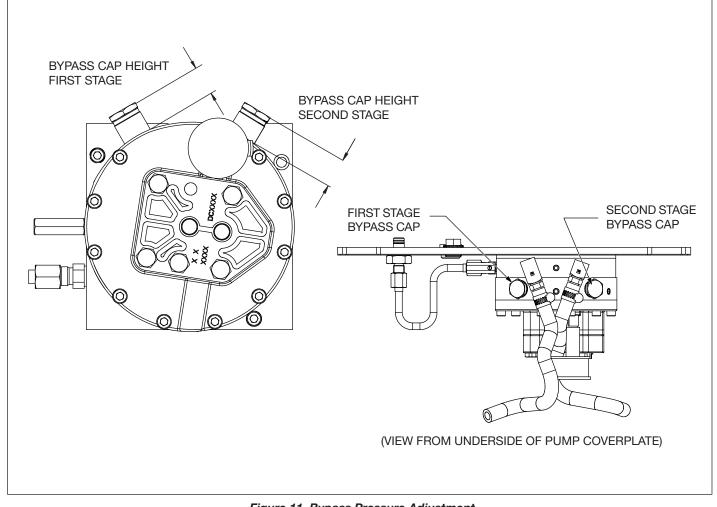


Figure 11, Bypass Pressure Adjustment

Repair Parts List (Refer to Figure 11)						
Pump Model Number	Element Model First Stage Bypass Number Pressure		First Stage Bypass Cap Height (A)	Second Stage Bypass Pressure	Second Stage Bypass Cap Height (B)	
ZC3204X ZC3308J ZC3408J ZC3908J	DD3850900SR	1,100-1,150 psi [76-79 bar]	0.95" [24.1mm]	3,600-3,700 psi [249-255 bar]	0.98" [24.9mm]	

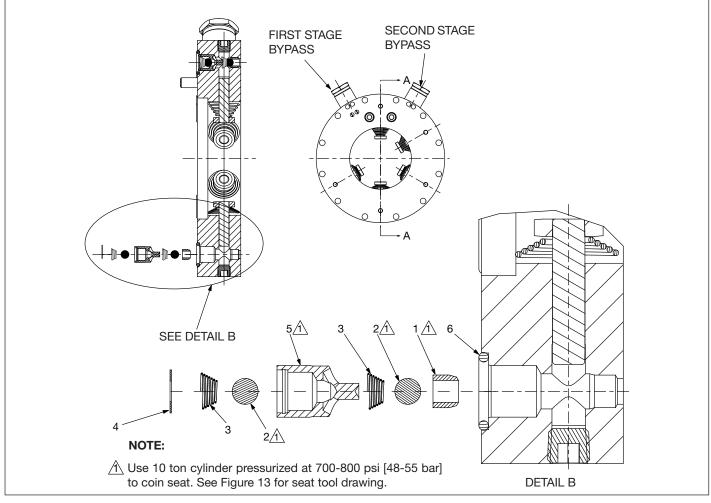


Figure 12, Check Ball Assemblies

Repair Parts List (Refer to Figure 12)					
Item		Part Number	Qty.	Description	
1	+ ▲	BSS5358D	5	Piston Seat, Lower	
2	+ ▲	B1005016	10	Ball, 3/16" Diameter	
3	+ ▲	BSS5809D	10	Spring, Piston Check	
4	⊹▲	BSS5356D	5	Retaining Ring	
5	+ ▲	BSS5357D	5	Piston Seat, Upper	
6	* ◆ + ▲	B1013803	5	O-Ring, Disogrin, -013	

⁺ Items included in 3-Stage Piston Ring Replacement Kit, DD3822900SR.

[▲] Items included in Piston Check Kit, ZRKS.

^{*} Items included in 3-Stage MPE Repair Kit, Z3STGRPK.

[♦] Items included in 3-Stage MPE Seal Kit, Z3STGSLK.

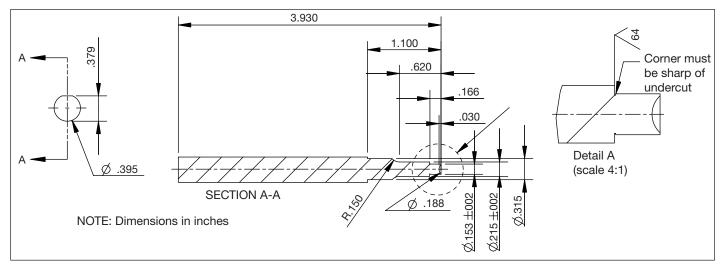


Figure 13, Seat Tool Drawing

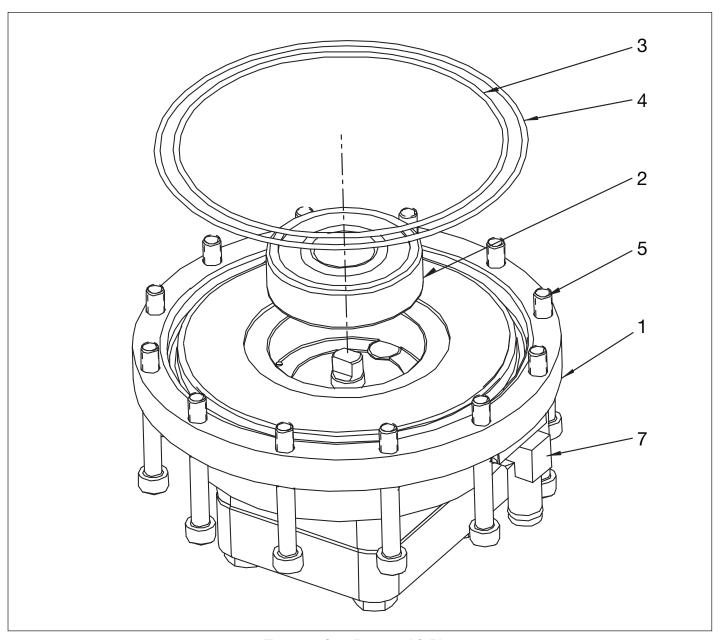


Figure 14, Gear Pump and O-Rings

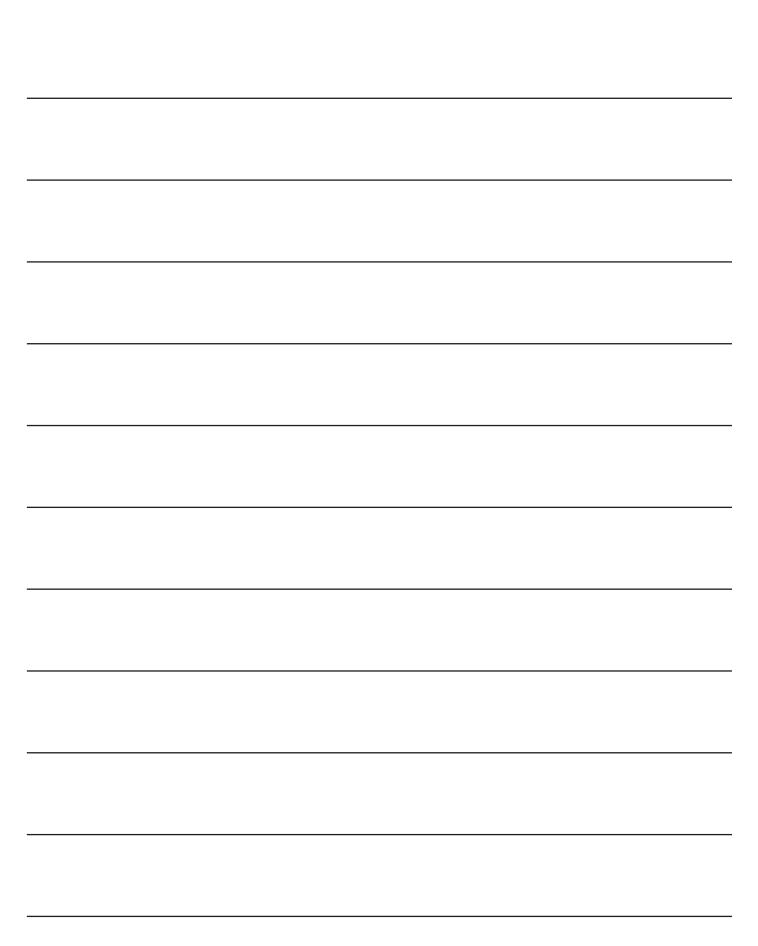
Repair Parts List (Refer to Figure 14)					
Item	Part Number		Qty.	Description	
1	+	DC9296920	1	Gear Pump	
2	+	DC9219155	1	Bearing, Ball	
3	* • +	B1400503	1	O-Ring	
4	* • +	B1402503	1	O-Ring	
5	* • +	CCA633028-1A	1	SHCS M6 x 1.0 x 50	
6		DC9642097	1	Intake Elbow	

⁺ Items included in 3-Stage Piston Ring Replacement Kit, DD3822900SR.

^{*} Items included in 3-Stage MPE Repair Kit, Z3STGRPK.

[♦] Items included in 3-Stage MPE Seal Kit, Z3STGSLK.

Notes:



Notes:

