

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.

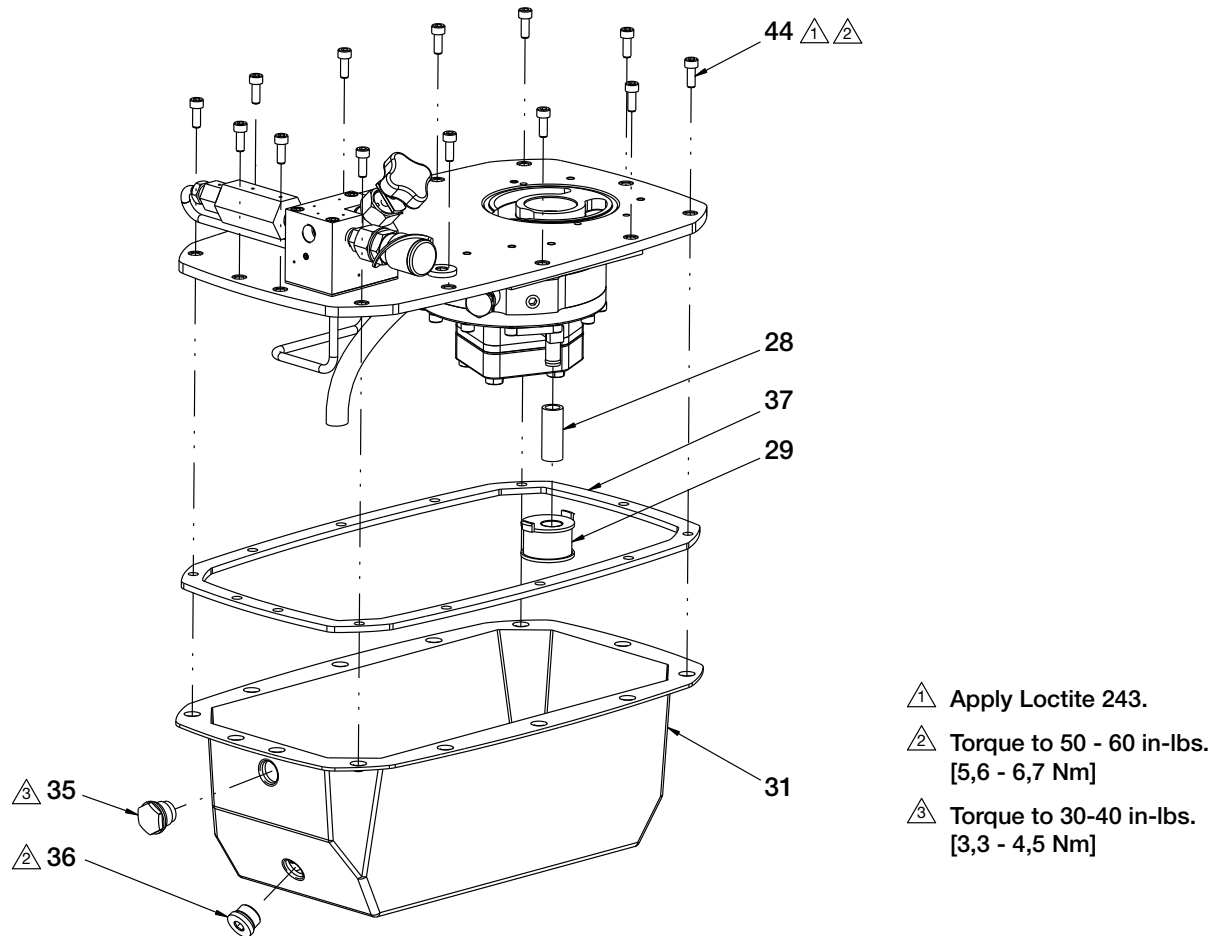
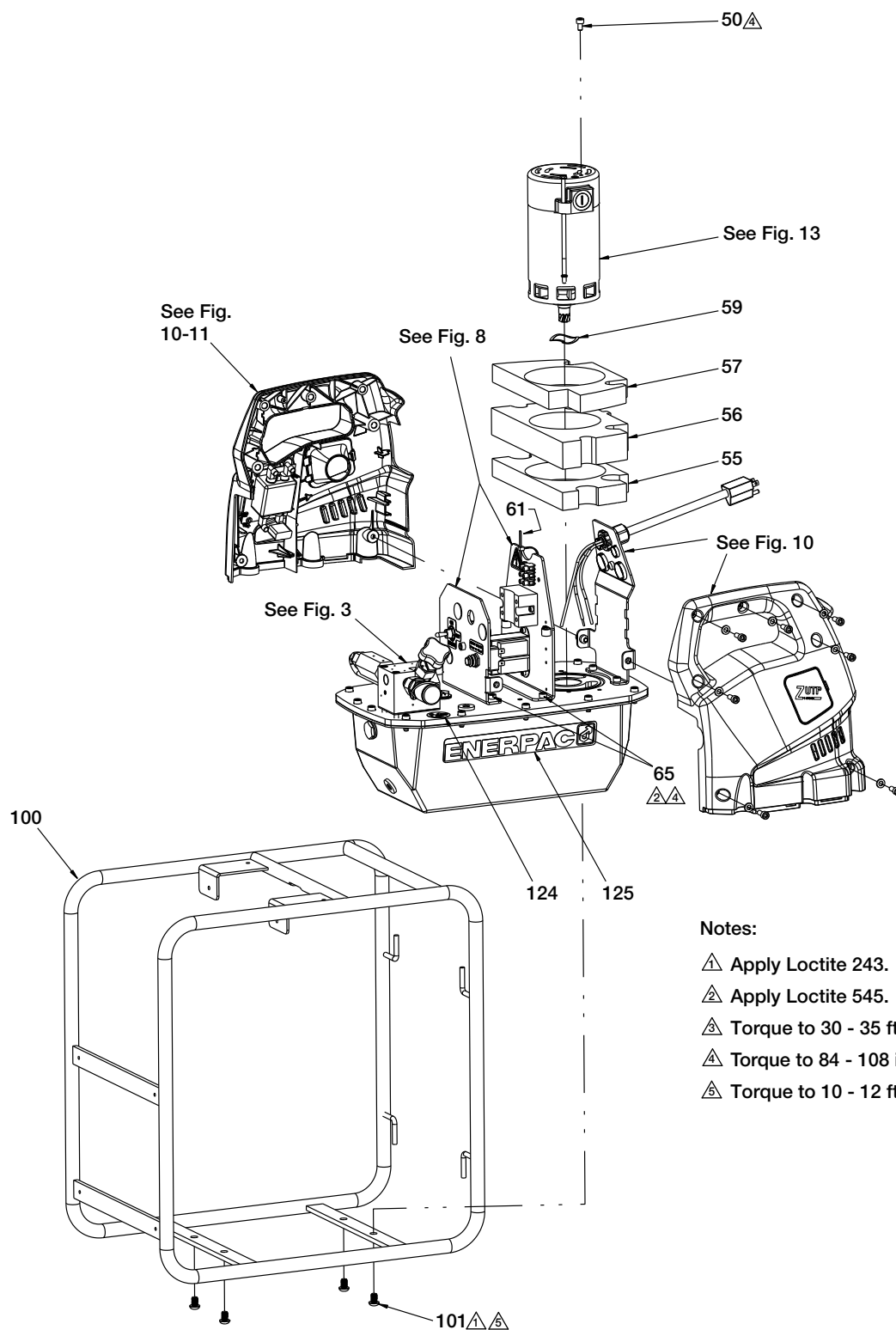


Figure 1, Reservoir and Coverplate Assembly

Repair Parts List (Refer to figure 1)			
Item	Part Number	Qty.	Description
28	◆ DC9600268	1	Tube, Intake, 4L
29	◆ DC9178118	1	Filter, Intake
31	DD2070025	1	Reservoir, 4L, Aluminum
35	DC85900	1	Assembly, Sight Glass
36	DC8249006	1	Plug, Threaded Magnetic
37	DC9406037	1	Reservoir Gasket
44	CBE619028-1A	13	Screw, Socket Hd. M6 x 16 Zinc
◆ Items included in and available only as part of Repair Kit DD1585900SR.			



Notes:

- △ Apply Loctite 243.
- △ Apply Loctite 545.
- △ Torque to 30 - 35 ft-lbs. [40,6-47,4 Nm]
- △ Torque to 84 - 108 in-lbs. [9,4-12,2 Nm]
- △ Torque to 10 - 12 ft-lbs. [13,5-16,2 Nm]

Figure 2, Pump Main Assembly

Repair Parts List (Refer to figure 2)							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
50	(See Fig. 13)	1	SHCS, M6 x 10mm Lg	65	CBE619028-1A	4	SHCS, M6-1 x16" Zinc
55	DC9401298	1	Baffle, Lower	100	DD1654920	1	Roll Cage (late style)
56	DC9400298	1	Baffle, Middle	101	CBE817028-1E	4	BHCS, M8 x 12mm Zinc
57	DC9402298	1	Baffle, Upper	124	DC9920026	1	Decal, Read Instructions
59	DC9661066	1	Washer, Wavy, 40mm	125	DC9596026	2	Decal, Enerpac
61	DC9876647	1	Cable Tie, Black, 1"				

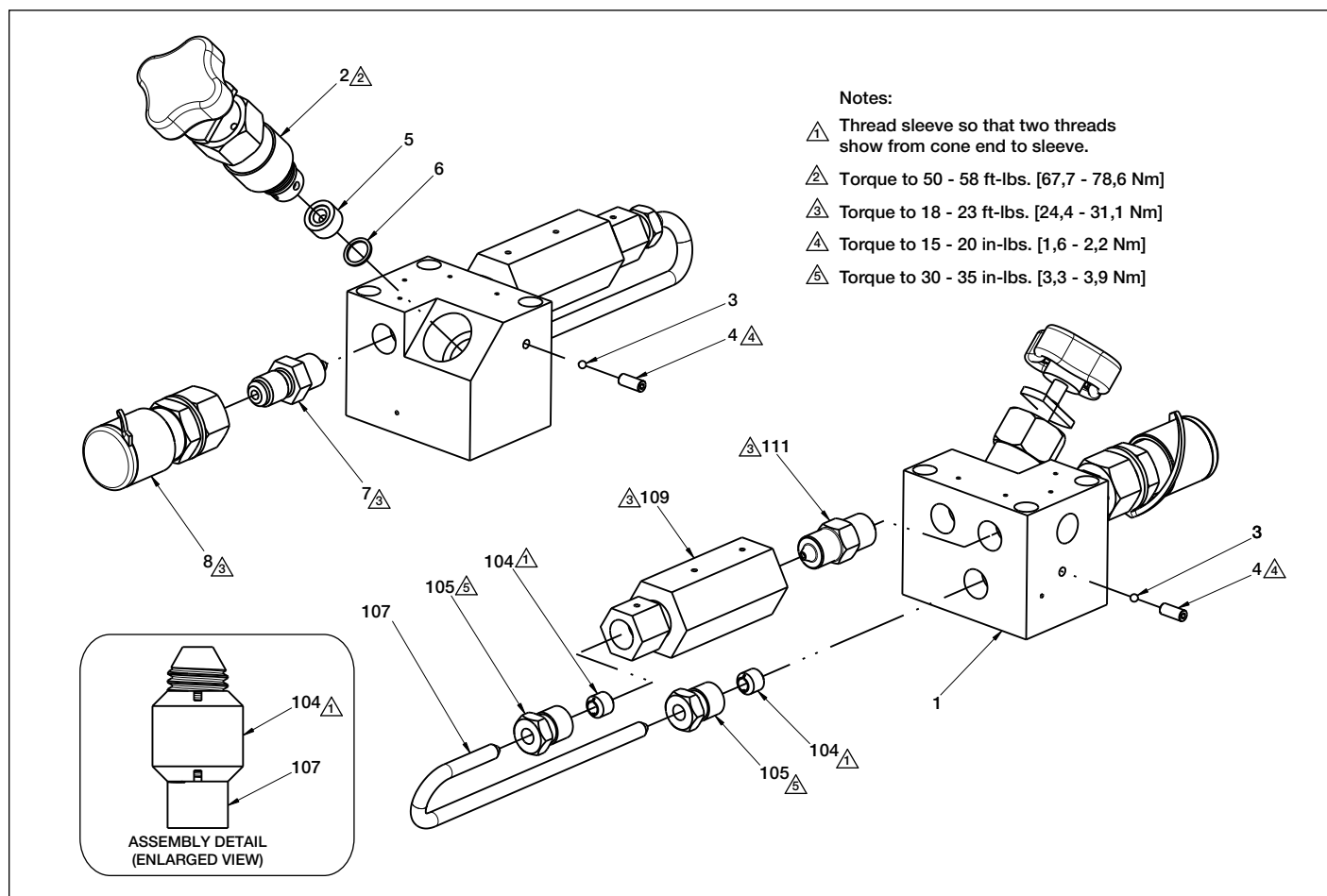


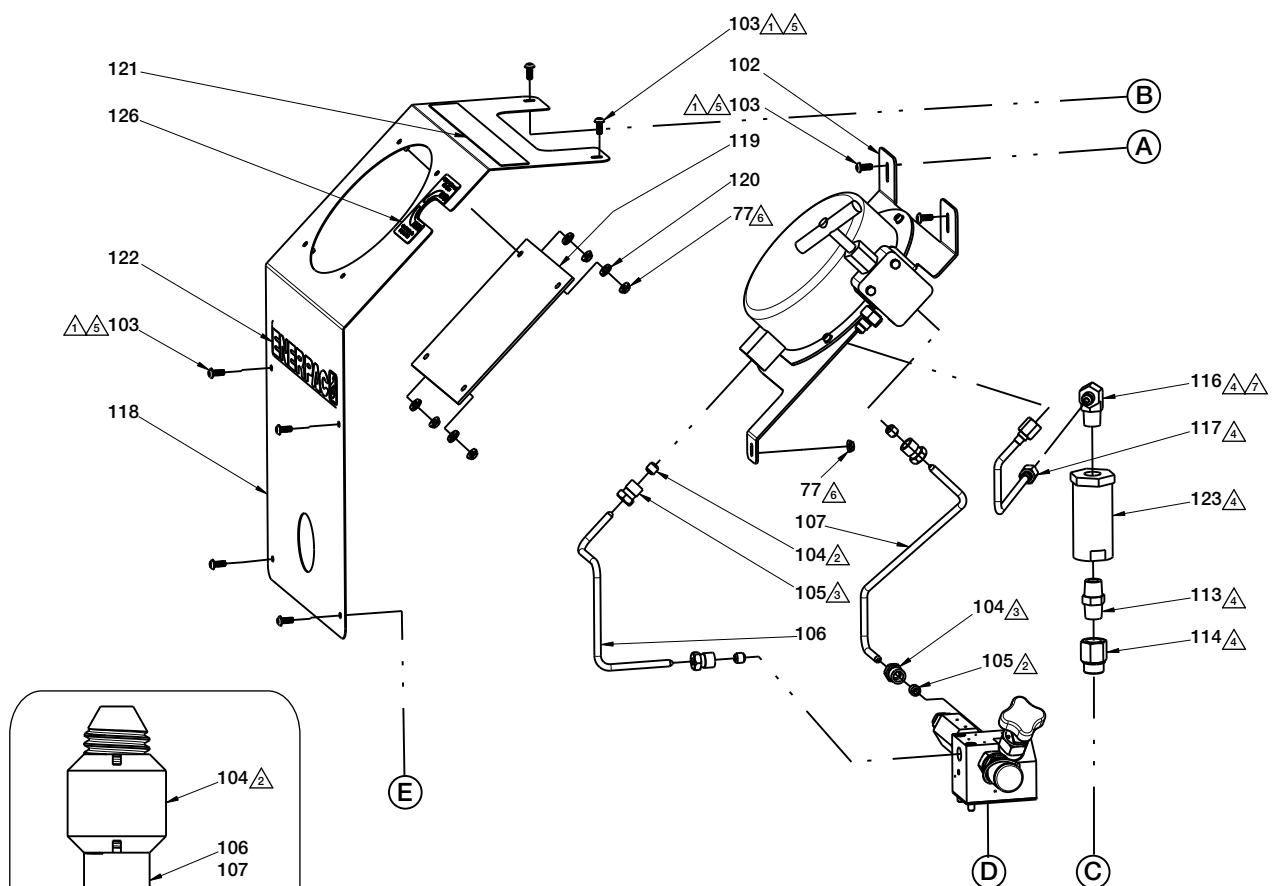
Figure 3, Assembly, Valve Manifold

Repair Parts List (Refer to figure 3)							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
1	❖ (DD1652038)	1	Port Block, ZUTP-1500	8	❖ DC7495034	1	Coupler, Female w/Cap
2	❖ (See Figure 6)	1	Assembly, Press Relief Valve	104	❖ F162232	2	Sleeve
3	❖ B1003016	2	Ball, 1/8" Dia	105	❖ F160021	2	Gland Nut
4	❖ BF1907027A	2	Screw, Set 10-32	107	❖ DD1658268	1	Tube, High Pressure
5	❖❖❖ DD2109290	1	Seat, ZUTP MPAHV	109	❖ DD1673663	1	Check Valve, High Pressure
6	❖❖❖ P20037	1	Gasket	111	❖ DD1594038	1	Adaptor, 1/4" Male HP
7	❖ ❖ DD1679038	1	Adaptor, 1/4" HP to G1/4				

❖ Items included as part of DD2496920SR Manifold Block Repair Kit.

❖❖❖ Items included as part of DD2493920SR Relief Valve Seat and Piston Repair Kit.

❖❖ Items included as part of DD2497920SR Relief Valve Service Kit.



Notes:

- ▲ Apply Loctite 243.
- ▲ Thread sleeve so that two threads show from cone end to sleeve.
- ▲ Torque to 30 - 35 ft-lbs. [40,6 - 47,0 Nm]
- ▲ Torque to 15 ft-lbs [20 Nm] minimum.
- ▲ Torque to 6 - 10 in-lbs [0,6 - 1,1 Nm]
- ▲ Torque to 10 - 15 in-lbs. [1,1 - 1,6 Nm]
- ▲ Apply Loctite 545.

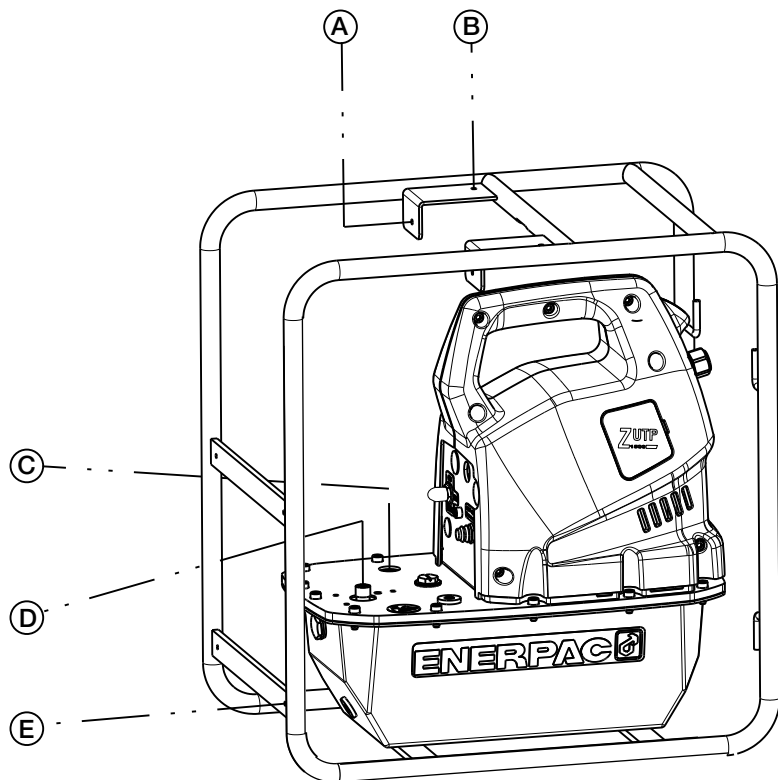


Figure 4, Assembly, Front Panel and Hydraulic Components

Repair Parts List (Refer to figure 4)							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
77	DD1004122	2	Nut, M5 Serrated	116	DA12300094	1	Elbow, Male
102	DD2377900	1	Subassembly, Gauge Bracket	117	DD2379268	1	Tube Assembly, Return
103	CBE515028-1E	8	Screw Button Head M5 X 10	118	DD1674424	1	Shroud, Metal
104	F162232	2	Sleeve, Service Only	119	DD1005689	1	Guard, Gauge
105	F160021	2	Gland Nut	120	DC1063108	4	Washer, Sealing
106	DD1656268	1	Tube, High Pressure	121	DC7812026	1	Decal, Warning
107	DD1661268	1	Tube, High Pressure	122	CR59026	1	Decal, Enerpac
113	CJ651096	1	Nipple, Pipe	123	DD1013118	1	Filter, Inline
114	F100096-38	1	Adapter, SAE 8 to 3/8"	126	DD2453026	1	Decal, ZUTP Valve

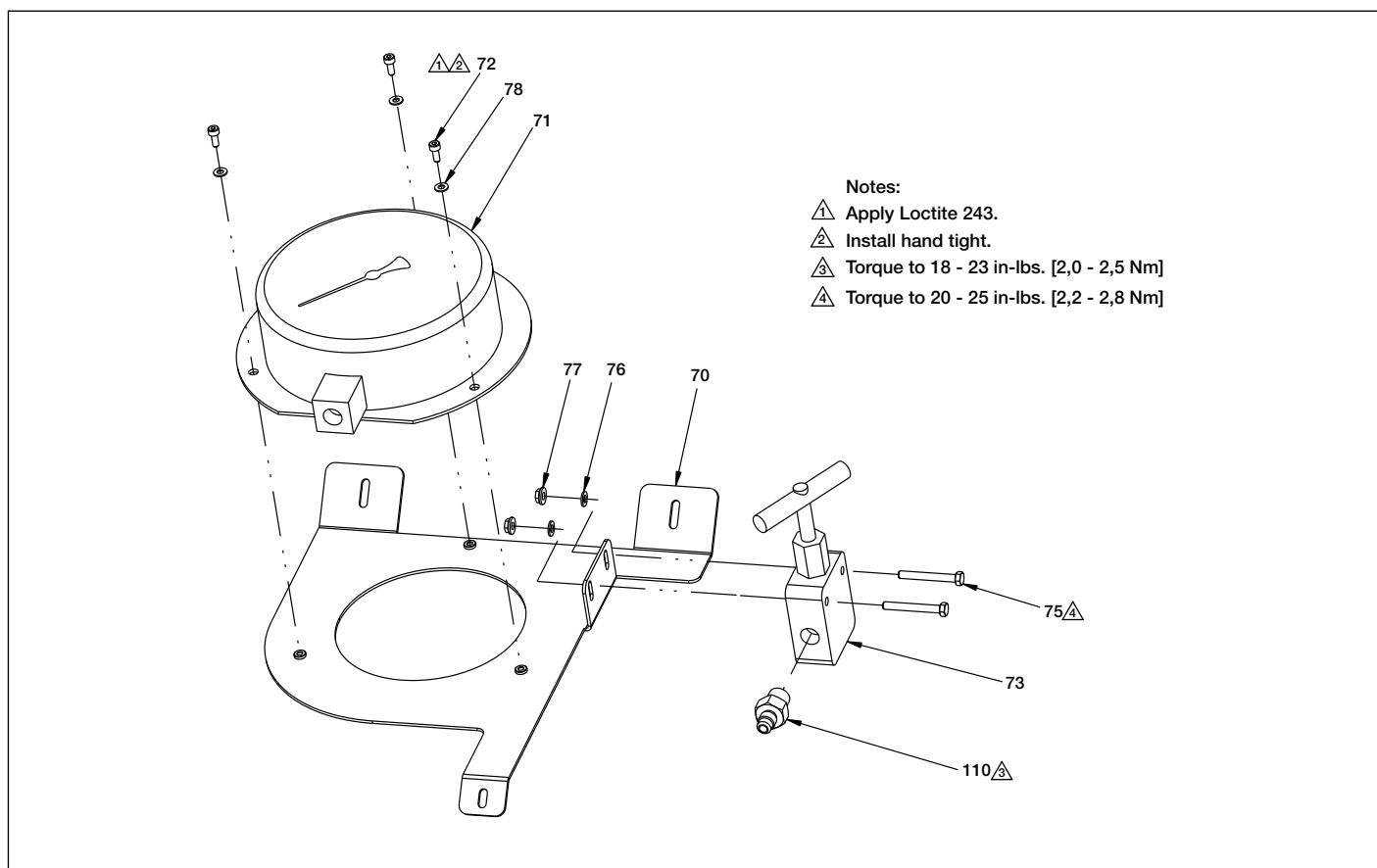


Figure 5, Assembly, Gauge Bracket

Repair Parts List (Refer to figure 5)							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
70	DD1669111	1	Bracket, Gauge	76	CAE1050108-1A	3	Washer
71	DD2360223	1	Gauge, 0-25,000 PSI	77	DD1004122	5	Nut, M5, Serrated
72	CBE415028-1A	3	SHCS, M4 x 7 x 10, Zinc	78	CAE1040108-1A	3	Washer
73	DC8508662	1	Valve, Pressure Release	110	DD2456038	1	Adaptor, F250C to 1/4" JIC
75	CBE529046-1A	2	Screw Hex Hd, M5 x 40mm				

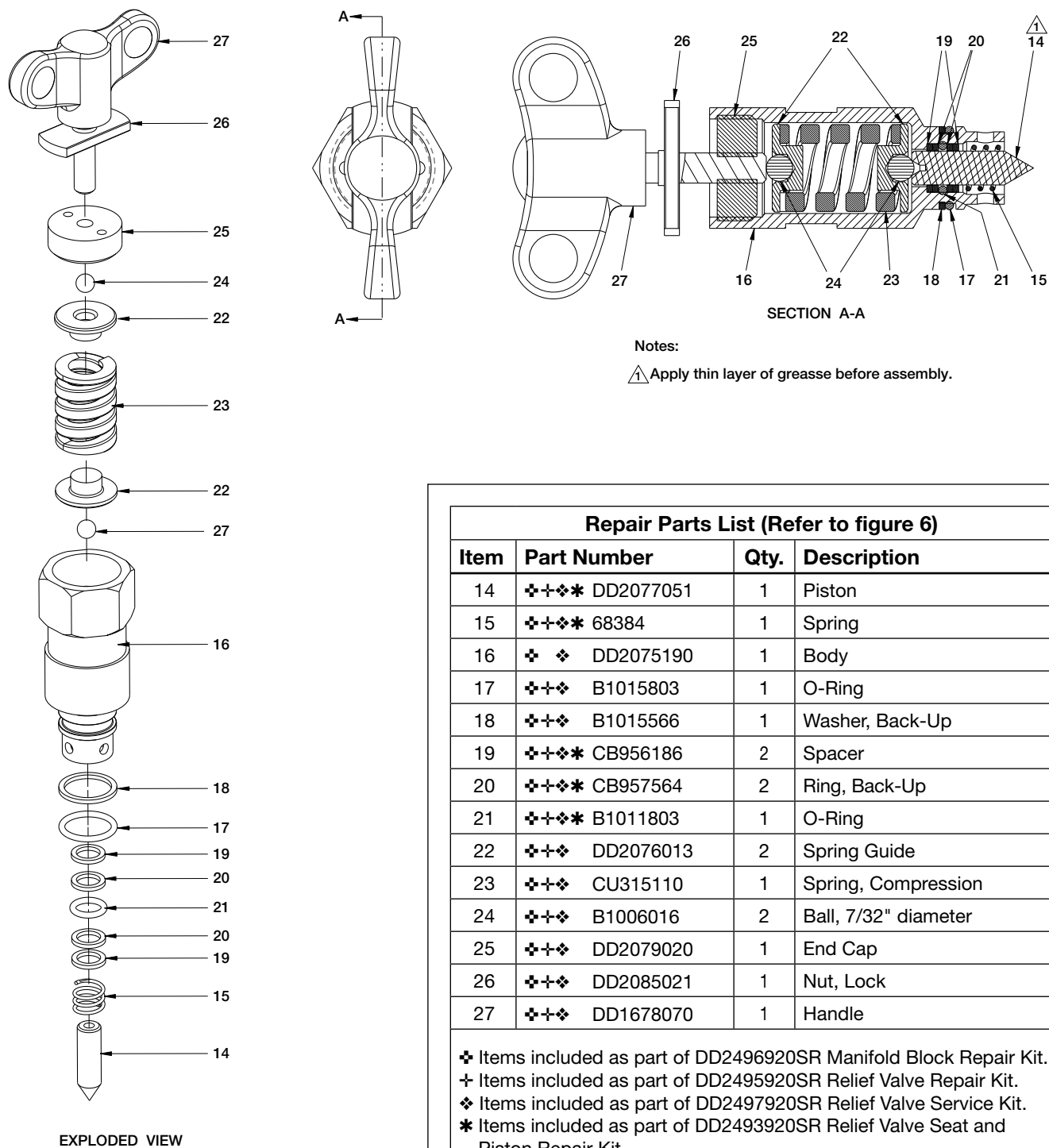


Figure 6, Relief Valve, User Adjustable (MPARV Style)

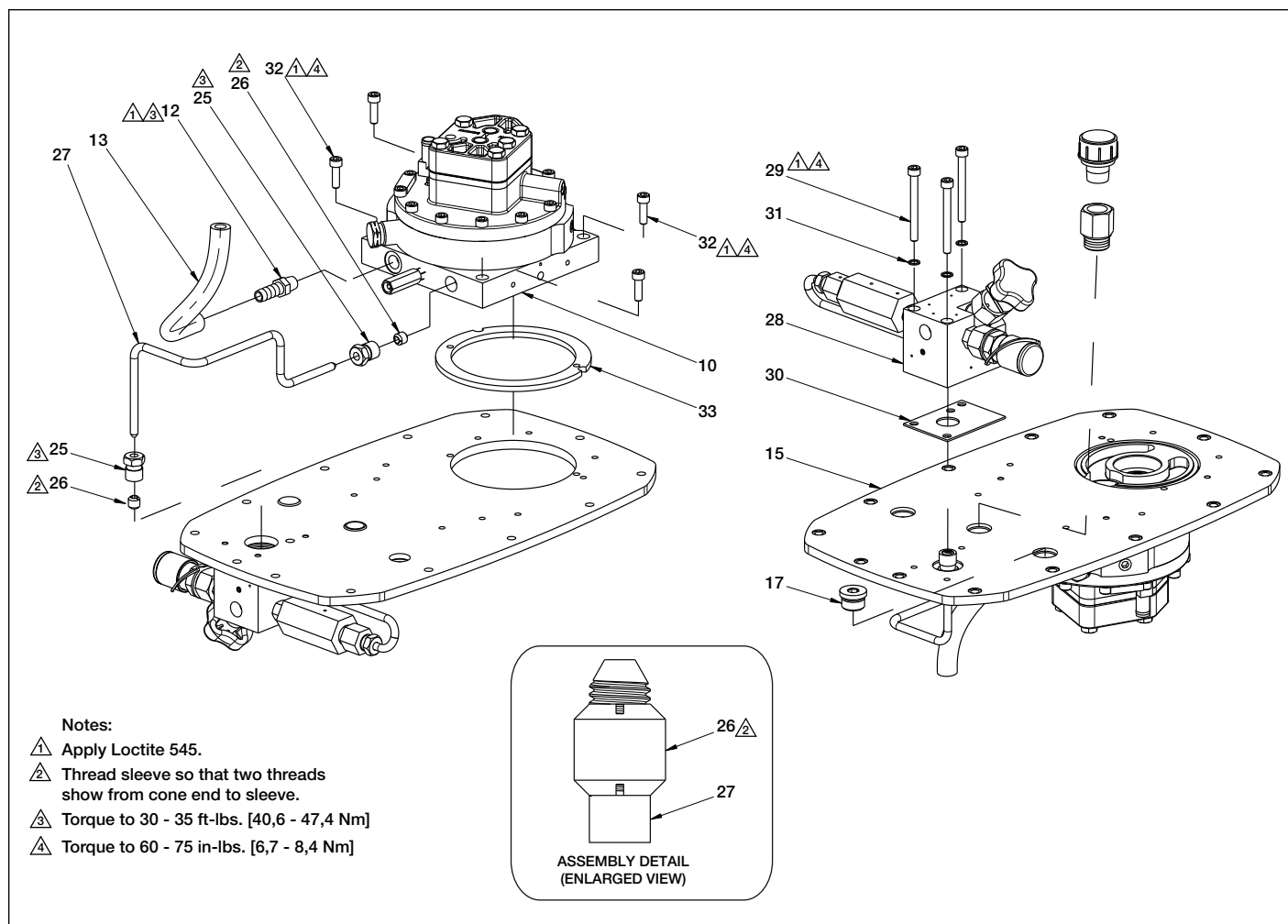


Figure 7, Pump Element Subassembly

Repair Parts List (Refer to figure 7)							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
10	DD1585900	1	Pump Element Assy	27	DD1662268	1	Tube, High Pressure
12	F100097-16	1	Fitting, Hose Barb	28	DD2362900	1	Assembly, Valve Manifold
13	DC9335646	1	Hose, Bypass, 8"	29	CBE637028-1A	3	Screw, M6 x 1.0 x 60mm
15	DD1655101	1	Cover Plate	30	DD1677037	1	Gasket
16	DC9586271	1	Thread Protector	31	S3037	3	Gasket
17	B1006006	1	Plug, Socket, SAE #8	32	CBE621028-1A	1	SHCS, M6 x 20mm Zinc
25	F160021	2	Gland Nut	33	DC9550037	1	Gasket, Pump, Universal
26	F162232	2	Sleeve				

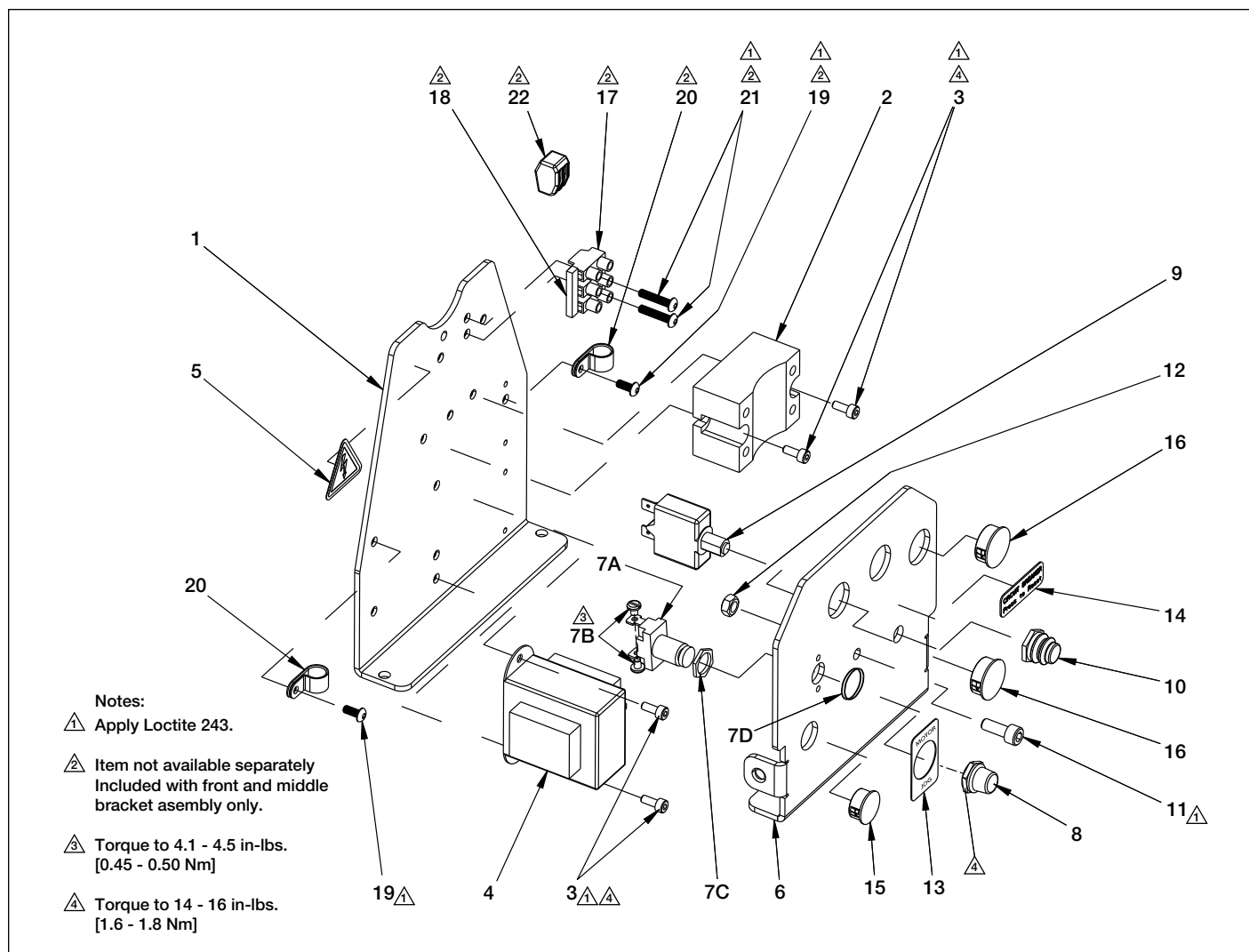


Figure 8, Electrical Components, Front and Middle Bracket

Repair Parts List (Refer to figure 8)

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
01	DC8354111	1	Bracket, Middle	10	DC8200380	1	Cap, Circuit Breaker
02	DD2211980	1	SSR	11	CBE619028-1A	1	SHCS, M6 x 16 mm Zinc
03	CBE415028-1A	4	SHCS, M4-7 x 10 mm Zinc	12	CBE1060120-AD	1	Nut, M6
04	DD2067480	1	Transformer	13	DD2856026	1	Decal, Motor Jog
05	DC9922026	1	Decal, High Voltage	14	DC8237026	1	Decal, CB Reset
06	DC8353111	1	Bracket, Front	15	DC9436009	1	Dome Plug, 16 mm
7A	DC8282379	1	Switch, Pushbutton, NO	16	DC9437009	2	Dome Plug, 20 mm
7B	---	2	Screw (included with 7A)	17	---	1	Terminal Block
7C	---	1	Nut (included with 7A)	18	---	1	Terminal Bus
7D	---	1	Nut (included with 7A)	19	---	2	Screw, Button Hd. M4 x 10
8	DC8284379	1	Boot, Pushbutton, Black	20	---	2	P-Clip
09	DC8309380	1	Circuit Breaker (115 V)	21	---	2	Screw, Button Hd. M4 x 20
	DD2558380	1	Circuit Breaker (230 V)	22	---	1	Wire Connector

Note: Complete front and middle bracket service kit includes all items shown above. Order the kit for your pump voltage:

- DD2374900SR - 115V Models.
- DD2388900SR - 230V Models.
- DC2381900SR - 230V CE Models.

Wires and hardware (not shown) are included with service kit.

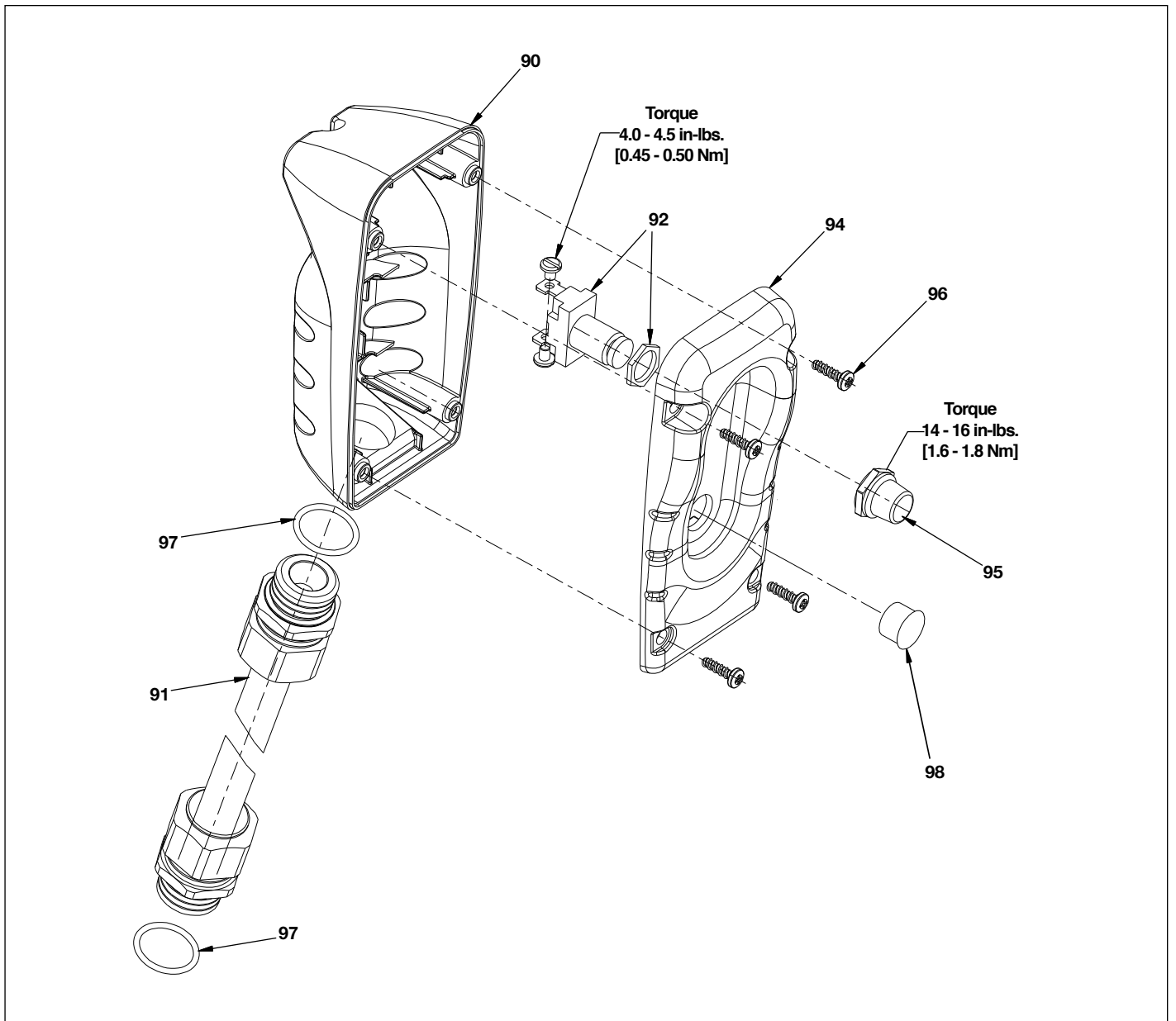


Figure 9, Pendant Assembly

Repair Parts List for Figure 9							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
90	DC9425424	1	Enclosure, Lower	95	DC8284379	1	Boot, Pushbutton, Black
91	DC8206960	1	Pendant Cable, 20 FT	96	DC9428008	4	Screw, Hi-Low #8 x 1/2
92	DC8282379	1	Switch, Pushbutton, NO	97	B1223503	2	O-Ring
94	DC8122424	1	Enclosure, Upper	98	DC8228009	1	Plug
Note: Pendant Kit ZCP-1M includes all items shown above.							

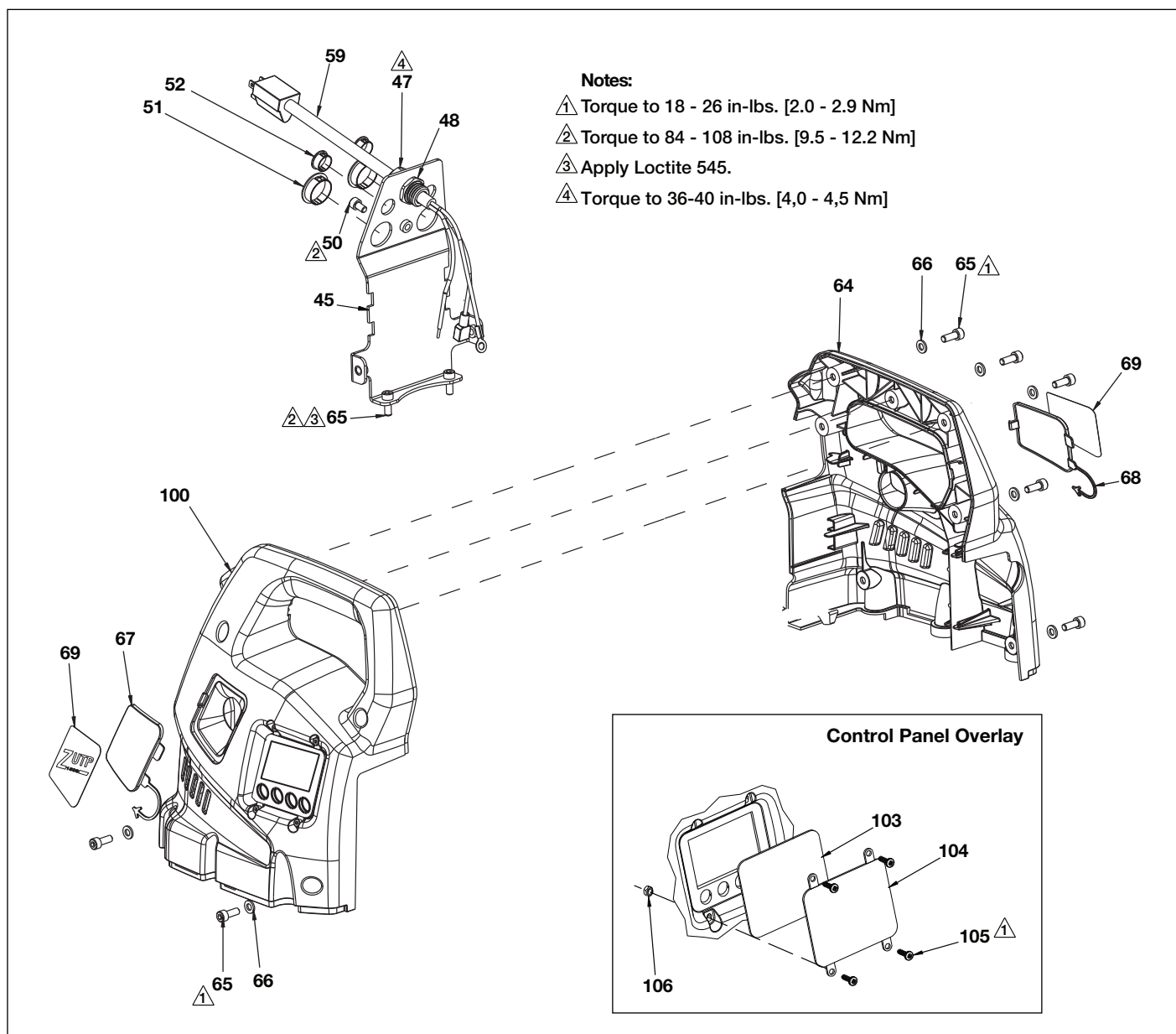


Figure 10, Shroud and Back Bracket Details

Repair Parts List for Figure 10							
Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
45	DC9405111	1	Back Bracket	65	CBE619028-1A	11	SHCS M6-1 x 16mm
47	B1223503	1	O-Ring	66	CAE1060108-1A	9	Washer, Flat, M6
48	DC9538021	1	Nut, Lock 20mm	67	DC9414424	1	Brush Cap, LH
50	CBE615028-1A	1	SHCS, M6 x 10mm	68	DC9413424	1	Brush Cap, RH
51	DC9435009	2	Dome Plug, 1 "	69	DD2479026	2	Decal, Brush Cap
52	DC9435009	2	Dome Plug, 1 "	100	* * DC9412424	1	Enclosure, LH
59	DC8286960	1	Power Cord - 115V 15A	103	* * DC8241037	1	Gasket, Overlay
	DC8287960	1	Power Cord - 230V NEMA	104	* * DC8240026	1	Overlay, Shroud
	DC8288960	1	Power Cord - 230V CE	105	* * CBE415028-1A	4	SHCS, M4 x 7 x 10mm
64	DC9411424	1	Enclosure, RH	106	* * CBE1040120-1D	4	Nut, 4mm

* Included in LH shroud subassembly DD2454900 (115 and 230V US Models).
 * Included in LH shroud subassembly DD2383900 (230V CE Models).

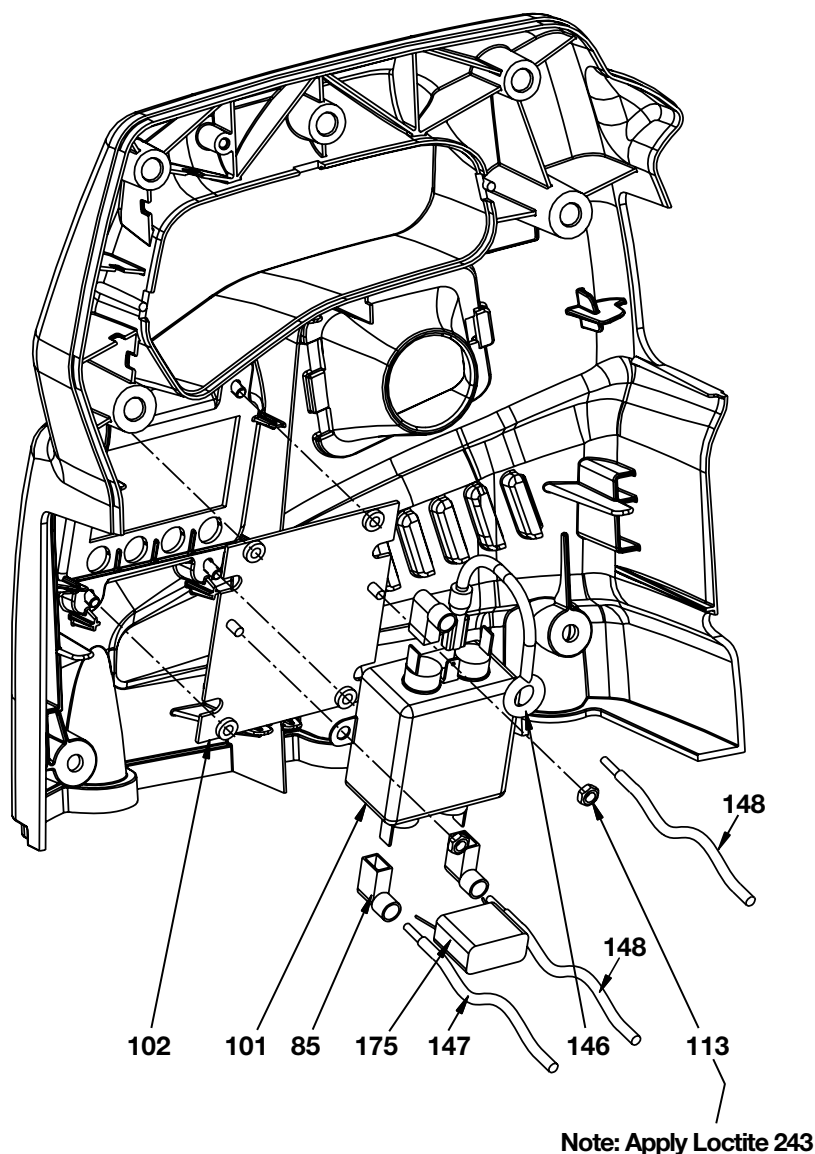


Figure 11, EMI Filter (230V CE Models Only)

Repair Parts List for Figure 11

Item	Part Number	Qty.	Description	Item	Part Number	Qty.	Description
85	* E1001352	3	Flag Connector, 1/4"	146	* DC9583960	1	Ground Earth Wire
101	* DC9580380	1	EMI In-line filter	147	* DD1591960	2	RF Filter Cable (blue)
102	* DC8290111	1	CE Bracket	148	* DD1590960	1	RF Filter Cable (brown)
113	* CBE1040120-1D	2	Nut, 4mm	175	* DC9579382	1	Capacitor, 1 Microfarad
* Included in LH shroud subassembly DD2383900 (230V CE Models only).							

115 Volts or 230 Volts 60 or 50 Hz., AC
Line Voltage In

Power Cord.
DC8286960 for 115V DC8287960 for 230V
DC8288960 for CE 230V

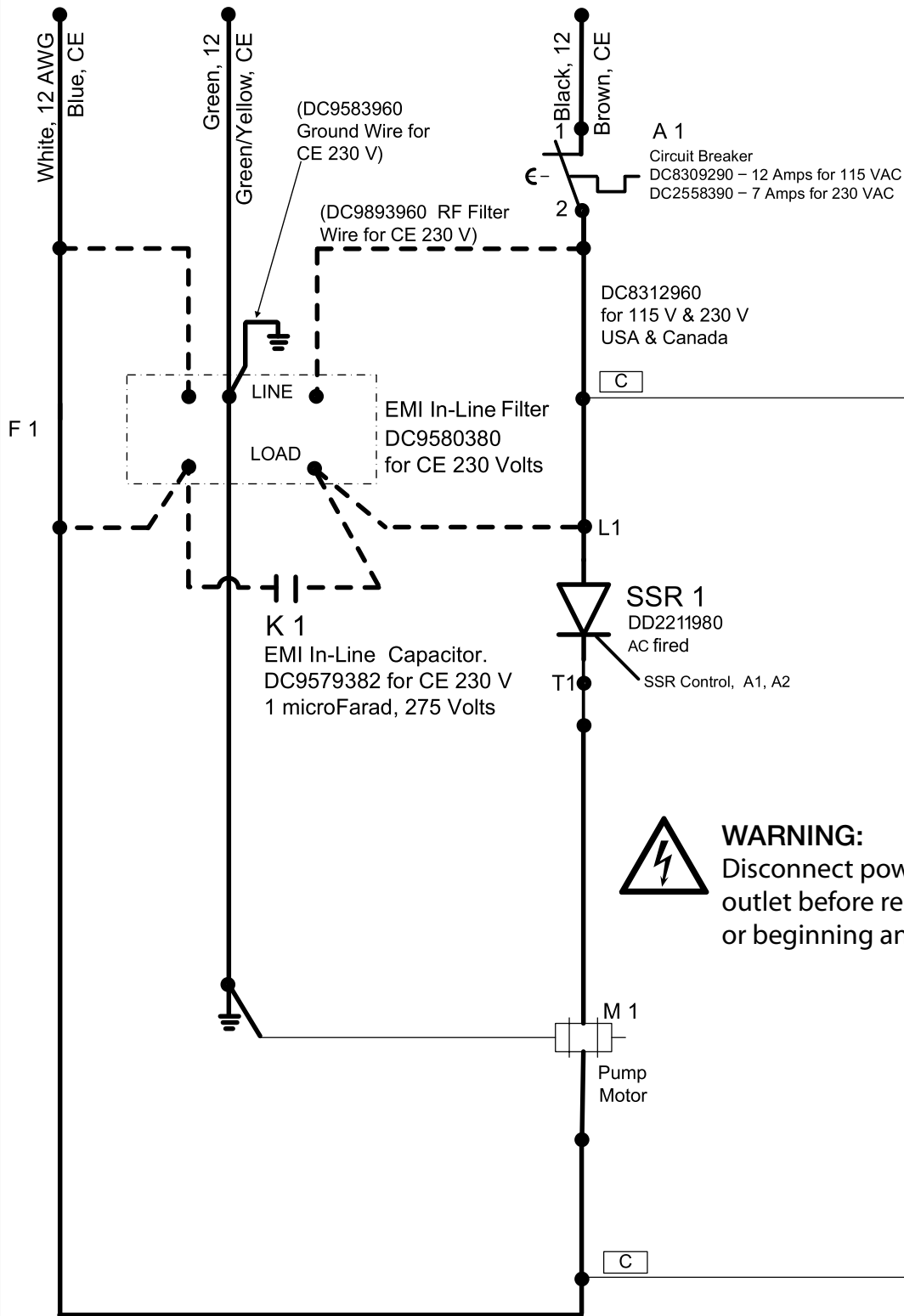


Figure 12, Electrical Diagram, ZUTP-1500 Electric Pump, Date Code "B" (View 1 of 2)

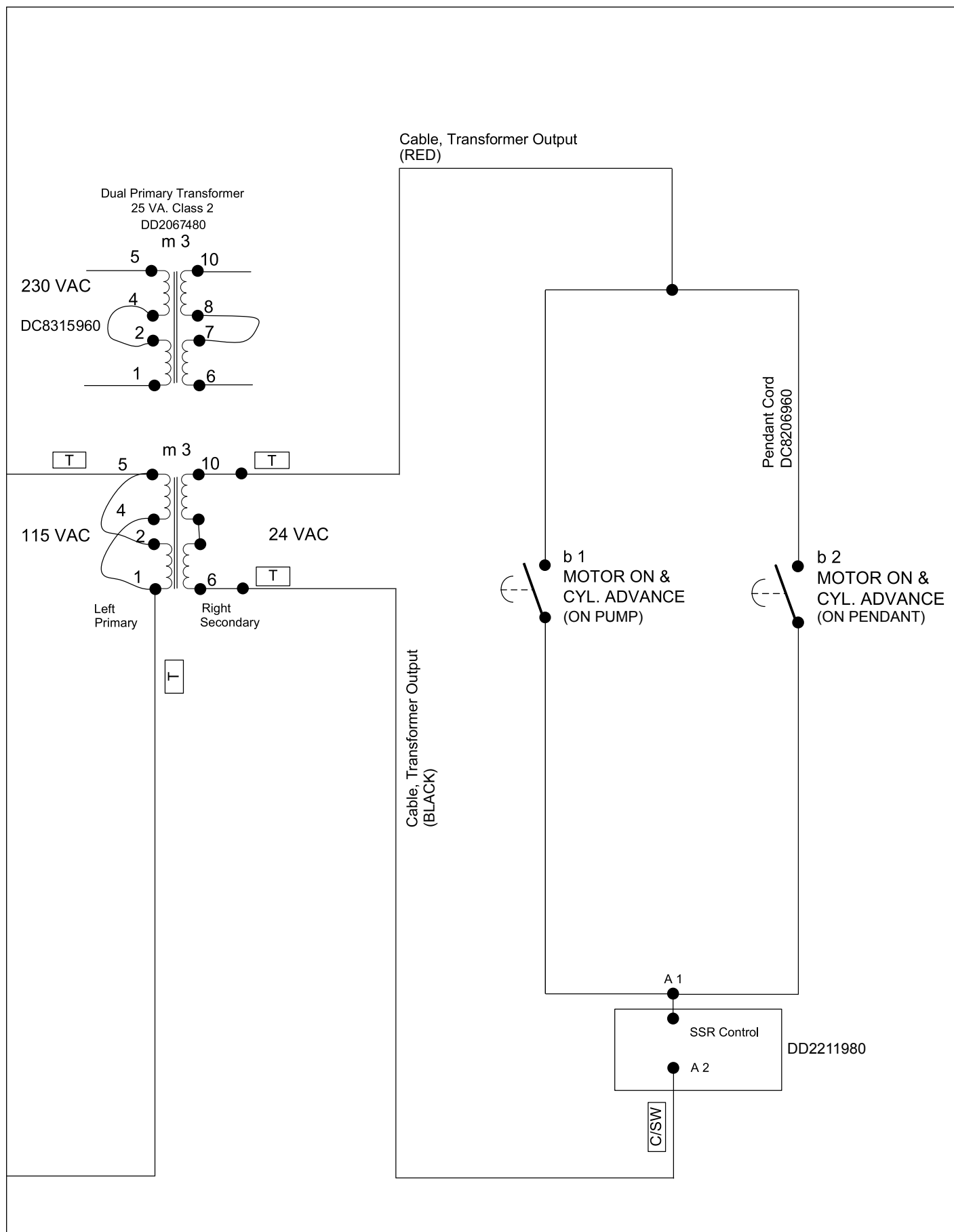
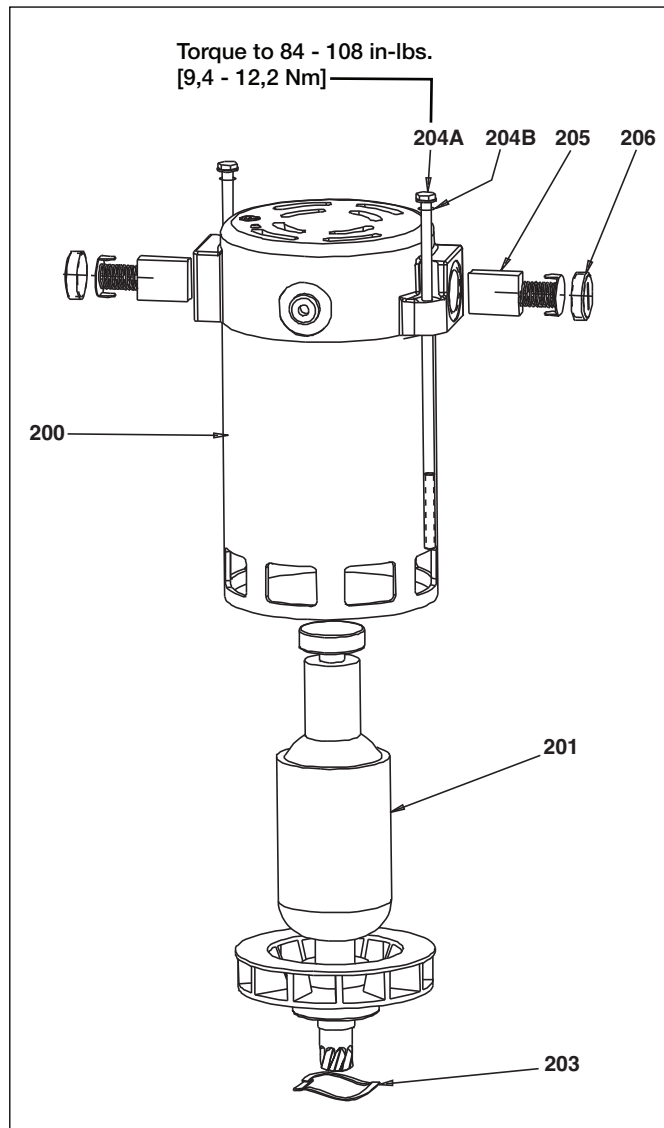


Figure 12, Electrical Diagram, ZUTP-1500 Electric Pump, Date Code "B" (View 2 of 2)



Repair Parts List for Figure 13			
Item	Part Number	Qty.	Description
85	▲ ▼ E1001181	2	Terminal, Flag (not shown)
200	Not available	-	Housing (order complete motor)
201	▲ DC8246736	1	Armature, 115V, ZU4
	▼ DC8247736	1	Armature, 230V, ZU4
203	▲ ▼ DC9661066	1	Spring Washer
204A	▲ ▼ DC9653028	2	Bolt #10-32 x 6.5"
204B	▲ ▼ B1080066	2	Washer, Lock
205	▲ ▼ DC96562598	2	Brush, ZU4
206	▲ ▼ DC9655020	2	Brush Cap, ZU4
▲ Items included as part of DC8244259SR Motor Kit (115V).			
▼ Items included as part of DC8245259SR Motor Kit (230V).			

[illegible]

Enerpac Worldwide Locations

◆ e-mail: info@enerpac.com

◆ internet: www.enerpac.com

Australia and New Zealand

Actuant Australia Ltd.
Block V Unit 3
Regents Park Estate
391 Park Road
Regents Park NSW 2143
(P.O. Box 261) Australia
T +61 (0)2 9743 8988
F +61 (0)2 9743 8648
sales-au@enerpac.com

Brazil

Power Packer do Brasil Ltda.
Rua dos Inocentes, 587
04764-050 - Sao Paulo (SP)
T +55 11 5687 2211
F +55 11 5686 5583
Toll Free: 0800 891 5770
vendasbrasil@enerpac.com

Canada

Actuant Canada Corporation
6615 Ordan Drive, Unit 14-15
Mississauga, Ontario L5T 1X2
T +1 905 564 5749
F +1 905 564 0305
Toll Free:
T +1 800 268 4987
F +1 800 461 2456
customer.service@actuant.com

China

Actuant (China) Industries Co. Ltd.
No.6 Nanjing East Road,
Taicang Economic Dep Zone
Jiangsu, China
T +86 0512 5328 7500
F +86 0512 5335 9690
Toll Free: +86 400 885 0369
sales-cn@enerpac.com

France, Switzerland, North Africa and French speaking African countries

ENERPAC
Une division d'ACTUANT France S.A.S.
ZA de Courtaboeuf
32, avenue de la Baltique
91140 VILLEBON / YVETTE
France
T +33 1 60 13 68 68
F +33 1 69 20 37 50
sales-fr@enerpac.com

Germany and Austria

ENERPAC GmbH
P.O. Box 300113
D-40401 Düsseldorf
Willstätterstrasse 13
D-40549 Düsseldorf, Germany
T +49 211 471 490
F +49 211 471 49 28
sales-de@enerpac.com

India

ENERPAC Hydraulics Pvt. Ltd.
No. 1A, Peenya Industrial Area
IInd Phase, Bangalore, 560 058, India
T +91 80 40 792 777
F +91 80 40 792 792
sales-in@enerpac.com

Italy

ENERPAC S.p.A.
Via Canova 4
20094 Corsico (Milano)
T +39 02 4861 111
F +39 02 4860 1288
sales-it@enerpac.com

Japan

Applied Power Japan LTD KK
Besshocho 85-7
Kita-ku, Saitama-shi 331-0821, Japan
T +81 48 662 4911
F +81 48 662 4955
sales-jp@enerpac.com

Middle East, Egypt and Libya

ENERPAC Middle East FZE
Office 423, LOB 15
P.O. Box 18004, Jebel Ali, Dubai
United Arab Emirates
T +971 (0)4 8872686
F +971 (0)4 8872687
sales-ua@enerpac.com

Russia

Rep. office Enerpac
Russian Federation
Admiral Makarova Street 8
125212 Moscow, Russia
T +7 495 98090 91
F +7 495 98090 92
sales-ru@enerpac.com

Singapore

Actuant Asia Pte Ltd.
83 Joo Koon Circle
Singapore 629109
T +65 68 63 0611
F +65 64 84 5669
Toll Free: +1800 363 7722
sales-sg@enerpac.com

South Korea

Actuant Korea Ltd.
3Ba 717, Shihwa Industrial Complex
Jungwang-Dong, Shihung-Shi,
Kyunggi-Do
Republic of Korea 429-450
T +82 31 434 4506
F +82 31 434 4507
sales-kr@enerpac.com

Spain and Portugal

ENERPAC SPAIN, S.L.
Avda. Los Frailes, 40 - Nave C & D
Pol. Ind. Los Frailes
28814 Daganzo de Arriba
(Madrid) Spain
T +34 91 884 86 06
F +34 91 884 86 11
sales-es@enerpac.com

Sweden, Denmark, Norway, Finland and Iceland

Enerpac Scandinavia AB
Fabriksgatan 7
412 50 Gothenburg
Sweden
T +46 (0) 31 799 0281
F +46 (0) 31 799 0010
scandinavianinquiries@enerpac.com

The Netherlands, Belgium, Luxembourg, Central and Eastern Europe, Baltic States, Greece, Turkey and CIS countries

ENERPAC B.V.
Galvanistraat 115
6716 AE Ede
P.O. Box 8097
6710 AB Ede
The Netherlands
T +31 318 535 911
F +31 318 535 848
sales-nl@enerpac.com

Enerpac Integrated Solutions B.V.

Opaalstraat 44
7554 TS Hengelo
P.O. Box 421
7550 AK Hengelo
The Netherlands
T +31 74 242 20 45
F +31 74 243 03 38
integratedsolutions@enerpac.com

South Africa and other English speaking African countries

ENERPAC B.V.
Galvanistraat 115
6716 AE Ede
P.O. Box 8097
6710 AB Ede
The Netherlands
T +31 318 535 911
F +31 318 525 613
sales-za@enerpac.com

United Kingdom and Ireland

ENERPAC Ltd.,
Bentley Road South
Darlaston, West Midlands
WS10 8LQ
England
T +44 (0)121 50 50 787
F +44 (0)121 50 50 799
sales-uk@enerpac.com

USA, Latin America and Caribbean

ENERPAC
P.O. Box 3241
Milwaukee WI 53201 USA
T +1 262 293 1600
F +1 262 293 7036
User inquiries:
T +1 800 433 2766
Distributor inquiries/orders:
T +1 800 558 0530
F +1 800 628 0490
Technical inquiries:
techservices@enerpac.com
sales-us@enerpac.com

All Enerpac products are guaranteed against defects in workmanship and materials for as long as you own them.

For the location of your nearest authorized Enerpac Service Center, visit us at www.enerpac.com

091411