



THE JOB PRO®

**TECHNICAL PARTS LIST FOR
JP-2503-0ME1/0ME3
JP-3004-0ME3**

For parts Call 888-279-9274

Motor Horsepower:	2503: 6 H.P. 3004: 8 H.P.
Pump Oil Grade:	Mi-T-M Pump Oil #AW-4085-0016
Pump Oil Capacity:	JP-2503-0ME1: 18.5 oz. JP-2503-0ME3, JP-3004-0ME3: 14 oz.
Nozzle Size:	JP-2503-0ME1: 4.0 JP-2503-0ME3, JP-3004-0ME3: 4.5

This Parts Listing has been compiled for your benefit. You can be assured your Mi-T-M Cold Water Pressure Washer was constructed and designed with quality and performance in mind using over 25 years experience in the pressure washer business. Each component has been rigorously tested to insure the highest level of acceptance.

The contents of this Parts Listing are based on the latest product information available at the time of publication. Mi-T-M reserves the right to make changes in price, color, materials, equipment, specifications or models at any time without notice.

WARNING

THIS IS A PROFESSIONAL HIGH PRESSURE, COLD WATER PRESSURE WASHER. CAUTION SHOULD BE OBSERVED WHEN USING OR REPAIRING THIS UNIT! READ AND FOLLOW THE SAFETY WARNINGS LISTED BELOW BEFORE ATTEMPTING ANY REPAIRS ON THIS PRESSURE WASHER!

SAFETY WARNINGS

- 1. NEVER alter or modify the equipment. Be sure any accessory items and system components being used will withstand the pressure developed. Use only genuine Mi-T-M parts for repair of your pressure washer. Failure to do so can cause hazardous operating conditions and will VOID warranty.
- 2. NEVER make adjustments on machinery while the unit is connected to the engine without first removing the ignition cable from the spark plug. Turning over the machinery by hand during adjustment or cleaning might start the engine and machinery with it, causing serious injury to the operator.
- 3. Know how to stop and bleed pressures quickly. Be thoroughly familiar with controls.
- 4. Before servicing the unit, turn unit off, relieve the water pressure and allow the unit to cool down. Do not make repairs while the unit is running. Service in a clean, dry, flat area. Block the wheels to prevent the unit from moving. Be especially careful to properly dispose of any flammable materials.
- 5. After testing the machine, DO NOT leave the pressurized unit unattended. Shut off the unit and release trapped pressure before leaving.

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NOTES34

SPECIFICATIONS

MODEL NUMBER	JP-2503-0ME1	JP-2503-0ME3	JP-3004-0ME3
Operating Pressure (PSI/Bar):	2500/172.4		3000/206.8
High Pressure Nozzle:	4.0		4.5
Water Volume (GPM/lpm):	3.2/12.1		3.9/14.8
Motor:	Totally enclosed fan cooled, circuit breaker thermal overload protection, 35ft. power supply cord with Ground Fault Circuit Interrupter (GFCI)		
Horsepower	6.0		8.0
Voltage	230	230/460	230/460
Phase	Single	Three	
Amps	24.1	15/7.5	20/10
Pump:	Direct Driven, Oil Bath, Triplex Piston		
Oil Type	Mi-T-M Pump Oil #AW-4085-0016		
Oil Capacity (oz./liters)	18/53	14/41	
Plungers	Ceramic Coated		
Manifold	Forged Brass		
Valves	Stainless Steel		
Unloader	Adjustable		
Heat Dump Valve	Relieves heated water during unloader bypass stage		
Detergent Injector	Adjustable low pressure down stream from pump		
Unit Net Weight (lbs/Kg)	236/107	206/94	
Unit Shipping Weight (lbs/Kg)	290/132	620/118	
Unit Net Dimension (in/cm)	44Lx26Wx27H/112Lx66Wx69H		
Unit Shipping Dimension (in/cm)	48Lx30Wx34H/122Lx76Wx86H		

NOTES

SERIAL BREAK NUMBER:

#10084649

#10381724

NO SERIAL NUMBER

05/24/2010

SERIAL BREAK EXPLANATION:

FRAME CHANGE FROM 5-0164A01 TO 5-0186A01.

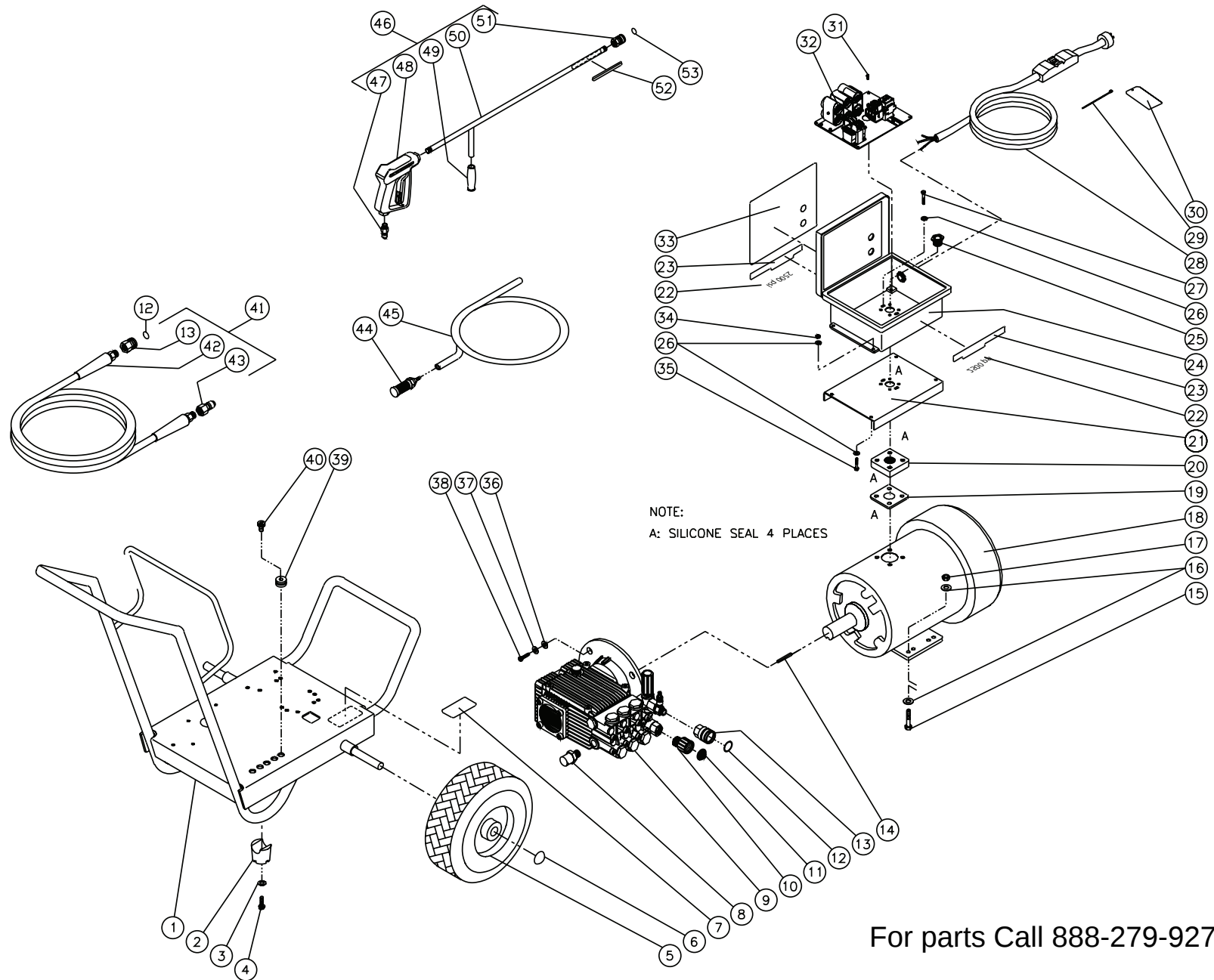
WHEEL CHANGE FROM 14-0017 TO 14-0006.

PUMP CHANGE ON THE JP-2503-0ME3 FROM 3-0206 TO 3-0307.

COMBINED JP-2503-0ME3 AND JP-3004-0ME3 UNITS TO ONE PARTS LIST. REMOVED
JP-2503-0ME1-UNIT IS OBSOLETE.

NOTES

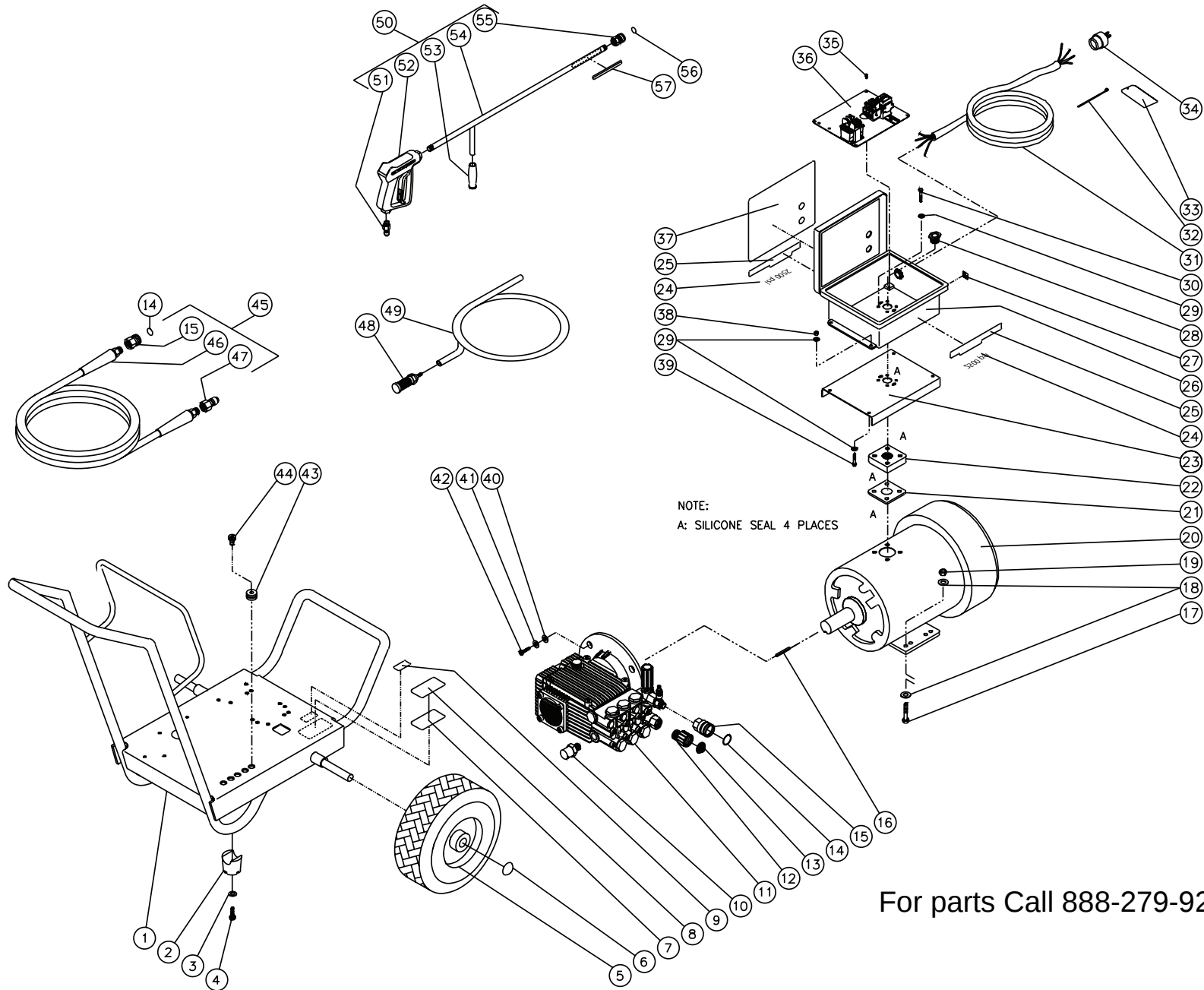
FRAME ASSEMBLY FOR JP-2503-0ME1 (BEFORE SERIAL #10084649)



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FRAME ASSEMBLY FOR JP-2503-0ME1 (BEFORE SERIAL #10084649)							
REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Frame	5-0164A01	1	30	Hang Tag- Warning: Risk of Electrocution (E/F/S)	34-1035	1
2	Isolator	14-0066	2	31	Screw	27-8922	4
3	Washer	28-0021	2	32	Control Panel (See Exploded Drawing)	N/A Sep.	1
4	Screw	27-3096	2	33	Decal- Warning/Caution/Operation (E/S)	34-1137	1
5	Wheel	14-0017	2	34	Locknut	30-0155	4
6	Hubcap	33-0018	2	35	Bolt	27-0016	4
7	Decal- Data Plate	N/A	1	36	Washer	28-0006	4
8	Heat Dump Valve	22-0005	1	37	Lockwasher	29-0010	4
9	Pump	3-0206	1	38	Bolt	27-0217	4
10	Garden Hose Swivel	23-0095	1	39	Grommet	23-0001	5
11	Strainer	19-0001	1	40	Nozzle- 0004	18-0028	1
12	O-ring (Replacement Only)	25-0123	-	-	Nozzle- 1504	18-0029	1
13	Quick Connect Socket	17-0004	2	-	Nozzle- 2504	18-0030	1
14	Key	43-0078	1	-	Nozzle- 6540	18-0148	1
15	Bolt	27-0167	4	41	Pressure Hose Assembly (Includes 13, 42, 43)	851-0007	1
16	Washer	28-0005	4	42	Pressure Hose	15-0004	1
17	Nylock	30-0161	4	43	Quick Connect Plug	17-0006	1
18	Motor- 6.0 H.P.	2-0114	1	44	Detergent Hose *(Four Feet Required)	15-0021	1
19	Rubber Pad (See 2-0114)	N/A Sep.	1	45	Detergent Strainer	19-0050	1
20	Mounting Flange (See 2-0114)	N/A Sep.	1	46	Gun/Wand Assembly (Includes 47-51)	851-0095	1
21	Support Plate	20-0547A01	1	47	Quick Connect Plug	17-0005	1
22	Decal- Die Cut 2500	34-0773	2	48	Gun	16-0001	1
23	Decal- Job Pro	34-0777	2	49	Handle	7-0002	1
24	Control Box	32-0683	1	50	Wand w/ 36" Handle	16-0120A01	1
25	Nipple	32-0684	1	51	Quick Connect Socket	17-0001	1
26	Washer	28-0002	12	52	Decal- Warning: Risk of Injection (E/S)	34-1253	1
27	Bolt	27-0018	4	53	O-ring (Replacement Only)	25-0122	-
28	Cord	32-0334	1	*Must Order in One Foot Lengths			
29	Cable Tie	33-0022	1				

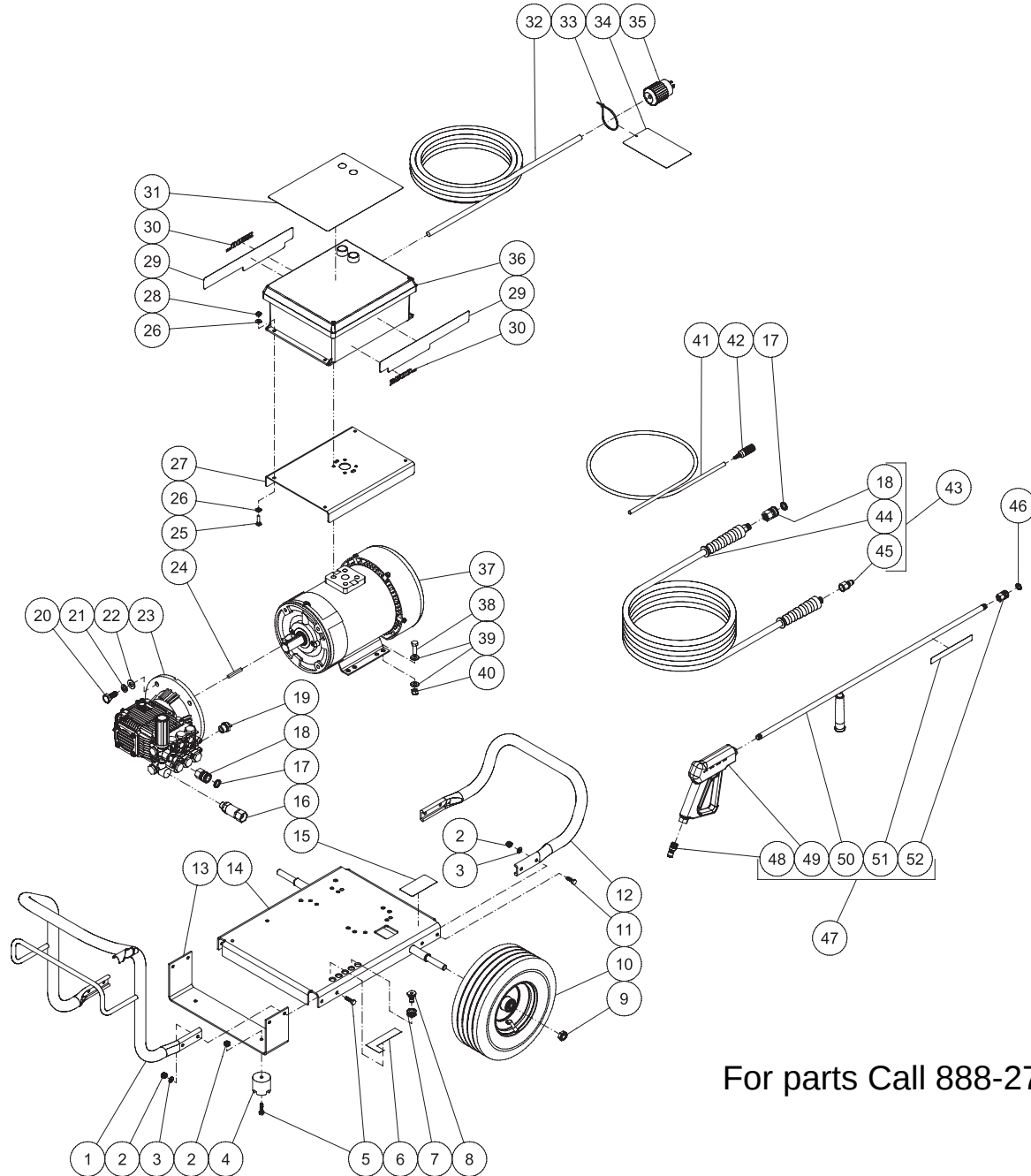
FRAME ASSEMBLY FOR JP-2503-0ME3 (BEFORE SERIAL #10084649)



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FRAME ASSEMBLY FOR JP-2503-0ME3 (BEFORE SERIAL #10084649)							
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART # QTY.
1	Frame	5-0164A01	1		31	Cable Tie	33-0022 1
2	Isolator	14-0066	2		32	Cable Tie	33-0022 1
3	Washer	28-0021	2		33	Hang Tag- Warning: Risk of Electrocution (E/S)	34-0330 1
4	Screw	27-3096	2		34	Plug	32-0118 1
5	Wheel	14-0017	2		35	Screw	27-8922 4
6	Hubcap	33-0018	2		36	Control Panel (See Exploded Drawing)	N/A Sep. 1
7	Decal- Data Plate	N/A	1		37	Decal- Warning/Caution/Operation (E/S)	34-1137 1
8	Decal- Clear Laminate	N/A	1		38	Locknut	30-0155 4
9	Decal- Serial Number	N/A	1		39	Bolt	27-0016 4
10	Heat Dump Valve	22-0005	1		40	Washer	28-0006 4
11	Pump	3-0206	1		41	Lockwasher	29-0010 4
12	Garden Hose Swivel	23-0095	1		42	Bolt	27-0217 4
13	Strainer	19-0001	1		43	Grommet	23-0001 5
14	O-ring (Replacement Only)	25-0123	-		44	Nozzle- 0004	18-0028 1
15	Quick Connect Socket	17-0004	2		-	Nozzle- 1504	18-0029 1
16	Key	43-0078	1		-	Nozzle- 2504	18-0030 1
17	Bolt	27-0167	4		-	Nozzle- 6540	18-0148 1
18	Washer	28-0005	4		45	Pressure Hose Assembly (Includes 15, 46-47)	851-0007 1
19	Nylock	30-0161	4		46	Pressure Hose	15-0004 1
20	Motor- 6.0 H.P.	2-0116	1		47	Quick Connect Plug	17-0006 1
21	Rubber Pad (See 2-0114)	N/A Sep.	1		48	Detergent Hose *(Four Feet Required)	15-0021 1
22	Mounting Flange (See 2-0114)	N/A Sep.	1		49	Detergent Strainer	19-0050 1
23	Support Plate	20-0547A01	1		50	Gun/Wand Assembly (Includes 51-55)	851-0095 1
24	Decal- Die Cut 2500	34-0773	2		51	Quick Connect Plug	17-0005 1
25	Decal- Job Pro	34-0777	2		52	Gun	16-0001 1
26	Control Box	32-0683	1		53	Handle	7-0002 1
27	Nipple	32-0684	1		54	Wand w/ 36" Handle	16-0120A01 1
28	Washer	28-0002	12		55	Quick Connect Socket	17-0001 1
29	Bolt	27-0018	4		56	O-ring (Replacement Only)	25-0122 -
30	Cord	32-0384	1		57	Decal- Warning: Risk of Injection (E/S)	34-1253 1
*Must Order in One Foot Lengths							

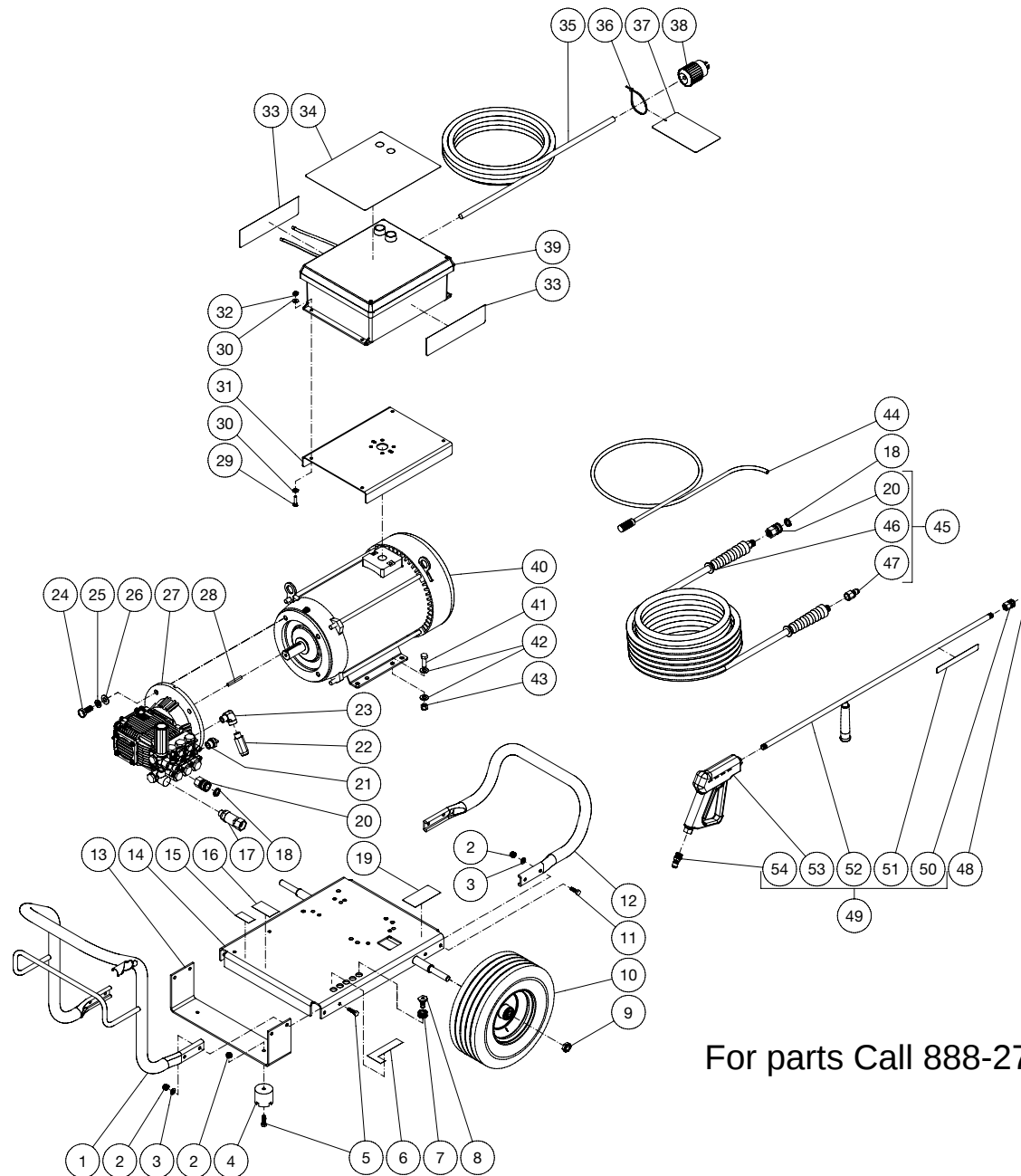
FRAME ASSEMBLY FOR JP-2503-0ME1/0ME3 (AFTER SERIAL #10084649)



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FRAME ASSEMBLY FOR JP-2503-0ME3 (AFTER SERIAL #10084649)											
REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Front Handle	7-0101A01	1	18	Quick Connect Socket	17-0004	2	37	Motor 6HP	2-0116	1
2	Locknut	30-0157	10	19	Thermal Relief Valve	22-0005	1	38	Bolt	27-0167	4
3	Washer	28-0003	8	20	Bolt	27-0217	4	39	Washer	28-0005	8
4	Isolator	14-0008	2	21	Lockwasher	29-0010	4	40	Locknut	30-0161	4
5	Bolt	27-0068	6	22	Washer	28-0006	4	41	Detergent Hose *(Four Feet Required)	15-0021	1
6	Decal- Nozzle	34-0500	1	23	Pump	3-0206	1	42	Detergent Strainer	19-0050	1
7	Grommet	33-0002	5	24	Key	43-0078	1	43	Hose Assembly (Inc. 18, 56-57)	851-0007	1
8	Nozzle- 0004	18-0028	1	25	Bolt	27-0016	4	44	Hose	15-0004	1
-	Nozzle- 1504	18-0029	1	26	Washer	28-0002	8	45	Quick Connect Plug	17-0006	1
-	Nozzle- 2504	18-0030	1	27	Support Plate	20-0547A01	1	46	O-ring (Replacement Only)	25-0122	1
9	Nut	30-0117	2	28	Bolt	30-0155	4	47	Gun/Wand Assembly (Inc. 48-52)	851-0095	1
10	Wheel	14-0006	2	29	Decal- Job Pro	34-0777	2	48	Quick Connect Plug	17-0005	1
11	Bolt	27-0067	4	30	Decal- "2500" White Die Cut	34-0773	2	49	Gun	16-0001	1
12	Rear Handle	7-0175A01	1	31	Decal- Warning/Caution/Operation	34-1137	1	50	Wand w/ 36" Handle	16-0418	1
13	Underbracket	13-0137A01	1	32	Cord *(Fourty Feet Required) (JP-2503-0ME3)	32-0025	1	51	Decal- Warning: Risk of Injection	34-1253	1
14	Baseplate	5-0186A01	1	33	Cable Tie	33-0022	1	52	Quick Connect Socket	17-0001	1
15	Decal- Data Plate	N/A	1	34	Hang Tag- Risk of Electrocution	34-1035	1				
16	Inlet Filter	19-0206	1	35	Plug (JP-2503-0ME3)	32-0118	1				
17	O-ring	25-0123	2	36	Electric Box Assy (2503)	-	1	*Must Order in One Foot Lengths			

FRAME ASSEMBLY FOR JP-2503-0ME3 / JP-3004-0ME3 (AFTER SERIAL #10381724)



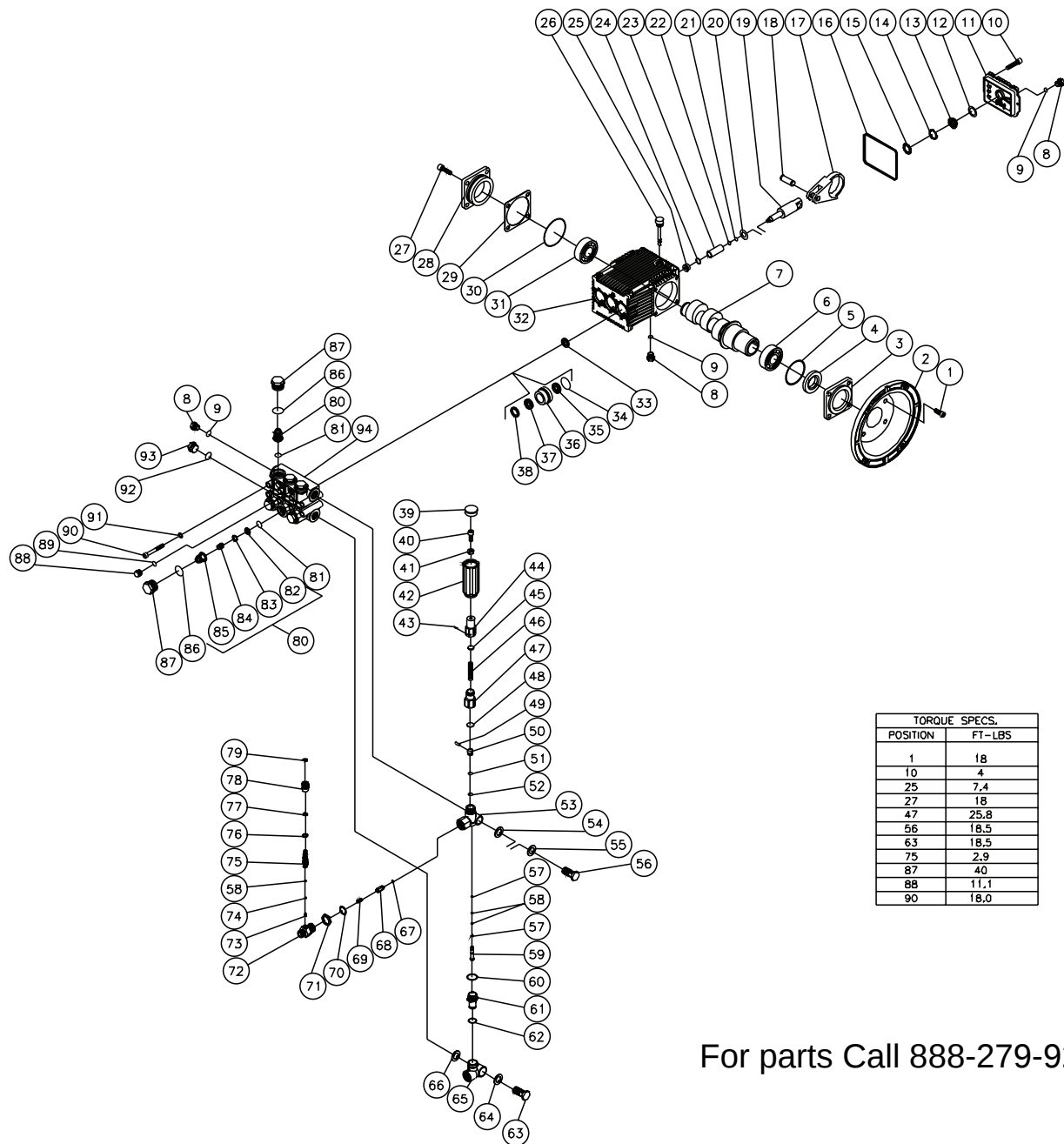
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FRAME ASSEMBLY

ITEM	TITLE	PART #	QTY	ITEM	TITLE	PART #	QTY
1	HANDLE	7-0174A01	1	28	KEY	43-0078	1
2	LOCKNUT	30-0157	10	29	BOLT	27-0016	4
3	WASHER	28-0003	8	30	WASHER	28-0002	8
4	ISOLATOR	14-0008	2	31	SUPPORT PLATE	20-0547A01	1
5	BOLT	27-0068	6	32	LOCKNUT	30-0155	4
6	DECAL - NOZZLE (SEE 71-1046 OR 71-1047)	34-0500	1	33	DECAL - MI-T-M PLACARD (3004) (SEE 71-1046)	N/A	2
7	GROMMET	33-0002	5	-	DECAL - MI-T-M PLACARD (2503) (SEE 71-1047)	N/A	2
8	NOZZLE	18-0386	1	34	DECAL - WARN/CAUT/OPER/IMPO E/S (SEE 71-1046 OR 71-1047)	N/A	1
-	NOZZLE (3004)	18-0402	1	35	CORD *(THIRTY FIVE FEET REQUIRED) (3004)	32-0023	2
-	NOZZLE (3004)	18-0403	1	-	CORD *(THIRTY FIVE FEET REQUIRED) (2503)	32-0025	1
-	NOZZLE (3004)	18-0404	1	36	CABLE TIE	33-0022	1
-	NOZZLE (2503)	18-0397	1	37	TAG - WARNING RISK OF ELECTROCUTION	34-1035	1
-	NOZZLE (2503)	18-0399	1	38	PLUG (3004)	32-0037	1
-	NOZZLE (2503)	18-0400	1	-	PLUG (2503)	32-0118	1
9	LOCKNUT	30-0117	2	39	ELECTRIC BOX ASSEMBLY (3004)	N/A	1
10	WHEEL	14-0127	2	-	ELECTRIC BOX ASSEMBLY (2503)	N/A	1
11	BOLT	27-0067	4	40	MOTOR 8HP 208-230/460V 3PH (3004)	2-0117	1
12	HANDLE	7-0175A01	1	-	MOTOR 6HP 208-230/460V 3PH (2503)	2-0116	1
13	UNDERBRACKET	13-0137A01	1	41	BOLT	27-0167	4
14	BASEPLATE	5-0186A01	1	42	WASHER	28-0005	8
15	DECAL - MADE IN USA	34-3553	1	43	LOCKNUT	30-0161	4
16	DECAL- MOBILE PRO	34-3584	1	44	DETERGENT HOSE	19-0233	1
17	FILTER	19-0206	1	45	HOSE ASSY W/QC 4000 PSI (20, 46, 47)	851-0338	1
18	O-RING	25-0123	2	46	HOSE	15-0209	1
19	DECAL- SILVER STICKER	N/A	1	47	QUICK CONNECT	17-0006	1
20	QC SOCKET	17-0004	2	48	O-RING	25-0122	1
21	RELIEF VALVE	22-0005	1	49	GUN, CHROME WAND W/GRIP (50-54)	851-0095	1
22	SAFETY VALVE	22-0376	1	50	QUICK CONNECT	17-0001	1
23	ELBOW	24-0105	1	51	DECAL - RISK OF INJECTION (SEE 71-1046 OR 71-1047)	N/A	1
24	BOLT	27-0217	4	52	WAND (INCLUDES GRIP & QUICK CONNECT)	16-0418	1
25	LOCKWASHER	29-0010	4	53	GUN	16-0001	1
26	WASHER	28-0006	4	54	QUICK CONNECT	17-0005	1
27	PUMP (3004)	3-0207	1	-	DECAL SET JP-3004-0ME3 (3004)	71-1046	1
-	PUMP (2503)	3-0307	1	-	DECAL SET JP-2503-0ME3 (2503)	71-1047	1

*MUST ORDER IN ONE FOOT LENGTHS

PUMP ASSEMBLY (3-0206)



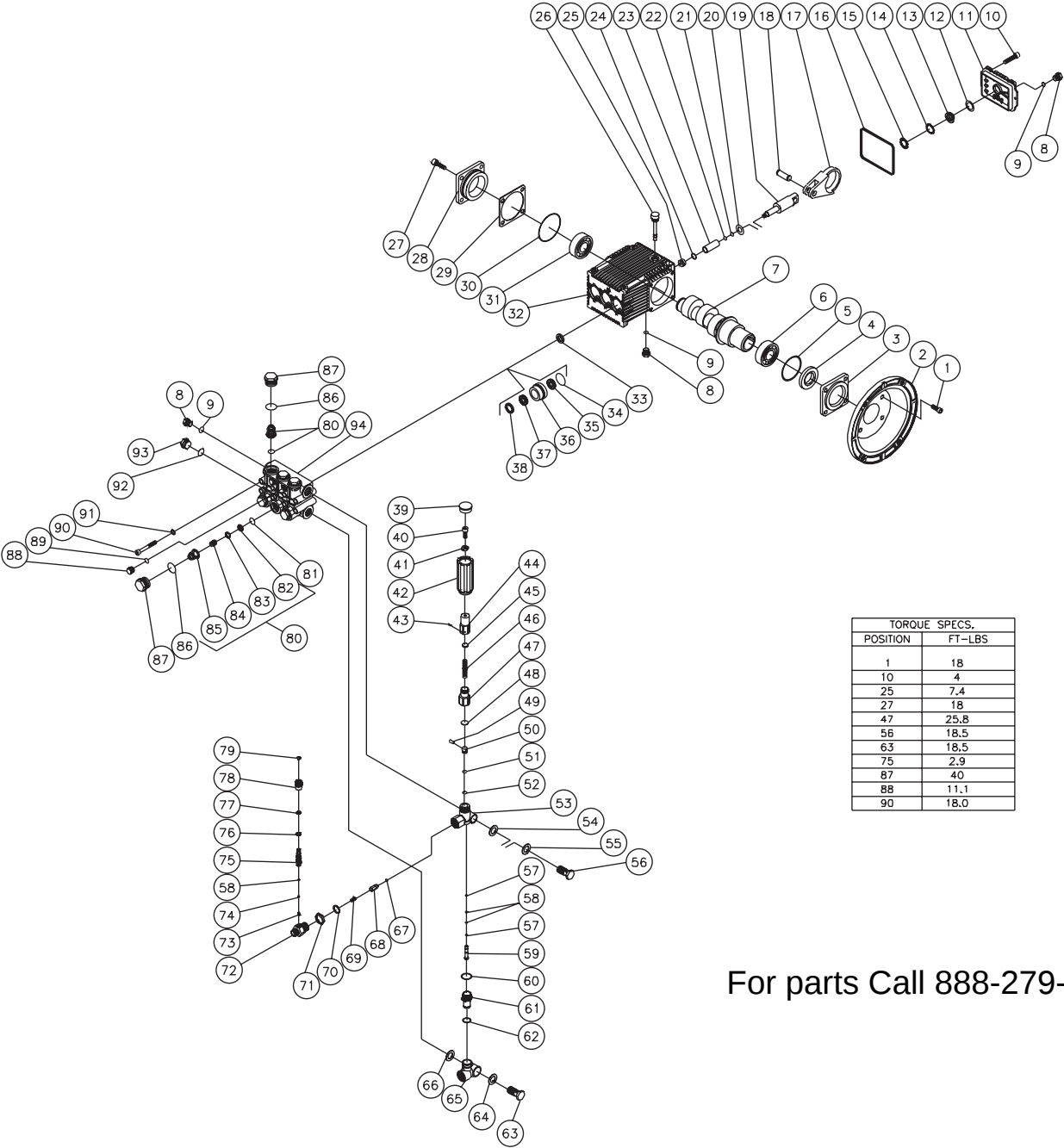
TORQUE SPECS.	
POSITION	FT-LBS
1	18
10	4
25	7.4
27	18
47	25.8
56	18.5
63	18.5
75	2.9
87	40
88	11.1
90	18.0

For parts Call 888-279-9274

3-0206-030603-RD

PUMP ASSEMBLY (3-0206)											
REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Bolt	27-8434	4	34	O-ring	25-0384	3	69	Spring	49-0123	1
2	Flange	38-0059	1	35	Low Pressure Seal (See 70-0177)	N/A Sep.	3	70	O-ring	25-0372	1
3	Shaftcover	46-0713	1	36	Packing Retainer	46-0708	3	71	Tightener Nut	8-0497	1
4	Oil Seal	26-0194	1	37	V-Packing (See 70-0177)	N/A Sep.	3	72	Injector Adapter	8-0498	1
5	O-ring	25-0397	1	38	Support Ring (See 70-0178)	N/A Sep.	3	73	Detergent Injector Spring (See 70-0196)	N/A Sep.	1
6	Bearing	48-0062	1	39	Cap	7-0142	1	74	Ball (See 70-0196)	N/A Sep.	1
7	Crankshaft	46-0920	1	40	Bolt	27-8433	1	75	Barb	8-0499	1
8	Plug	39-0102	1	41	Nut	30-3025	1	76	O-ring (See 70-0196)	N/A Sep.	1
9	O-ring	25-0325	3	42	Unloader Knob	7-0141	1	77	O-ring (See 70-0196)	N/A Sep.	1
10	Bolt	27-8401	6	43	Pin	8-0477	1	78	Adjustable Detergent Knob	7-0152	1
11	Crankcase Cover (Inc. 8-9, 12-15)	46-0719	1	44	Adjustment Barrel	8-0476	1	79	Snap Ring (See 70-0196)	N/A Sep.	1
12	O-ring	25-0370	1	45	Spring Button	8-0475	1	80	Single Valve Assembly (Inc. 82-85) (See 70-0319)	N/A Sep.	6
13	Oil Sight Glass	46-0670	1	46	Spring	49-0132	1	81	O-ring	25-0386	6
14	Reflector	46-0824	1	47	Guide Spring	8-0474	1	82	Valve Seat (See 70-0319)	N/A Sep.	6
15	Retainer	46-0671	1	48	Spring Button	8-0445	1	83	Valve Plate (See 70-0319)	N/A Sep.	6
16	O-ring	25-0398	1	49	Pin	8-0444	1	84	Valve Spring (See 70-0319)	N/A Sep.	6
17	Connecting Rod- Aluminum	46-0896	3	50	Poppet	8-0443	1	85	Valve Cage (See 70-0319)	N/A Sep.	6
-	Connecting Rod- Bronze	46-0922	3	51	Back-up Ring (See 8-0456)	N/A Sep.	1	86	O-ring	25-0160	6
18	Piston Pin	46-0698	3	52	O-ring (See 8-0456)	N/A Sep.	1	87	Valve Cap	39-0095	6
19	Plunger Rod	46-0699	3	53	Unloader Body	8-0451	1	88	Plug	39-0096	2
20	Washer	46-0700	3	54	Washer	8-0449	1	89	O-ring	25-0387	2
21	Back-up Ring	25-0404	3	55	Washer	8-0450	1	90	Bolt	27-8440	8
22	O-ring	25-0382	3	56	Adapter (See 8-0456)	N/A Sep.	1	91	Lockwasher	29-0154	8
23	Piston	46-0701	3	57	Back-up Ring	25-0395	2	92	O-ring	25-0372	1
24	Gasket	26-0191	3	58	O-ring	25-0371	3	93	Plug	39-0088	1
25	Nut	30-6020	3	59	Piston	8-0442	1	94	Manifold	46-0711	1
26	Oil Dipstick	39-0090	1	60	O-ring	25-0389	1		Oil Seal Kit (Inc. 4, 5, 16, 30, 33)	70-0337	
27	Bolt	27-8884	4	61	Nipple	8-0441	1		High Pressure Seals Kit (Inc. 3 each 34-35, 37)	70-0177	
28	Support Bearing Cap	46-0703	1	62	O-ring (See 70-0180)	N/A Sep.	1		Support Rings Kit (Inc. 3 each 38)	70-0178	
29	Shim- 0.1mm (Qty. Varies 1-3)	46-0704	-	63	Adapter	8-0438	1		Valve Kit (Inc. 6 each 81-85)	70-0319	
-	Shim- 0.2mm (Qty. Varies 1-3)	46-0705	-	64	Washer	8-0439	1		Unloader Kit (Includes 39-69)	8-0456	
30	O-ring	25-0380	1	65	Inlet Bypass Adapter	8-0437	1		Unloader Repair Kit (Inc. 51-52, 57-58, 60, 62)	70-0180	
31	Bearing	48-0072	1	66	Washer	8-0440	1		Injector Kit (Inc. 70-79)	70-0196	
32	Crankcase	46-0811	1	67	O-ring	25-0437	1		Piston Kit (Inc. 3 each 20-25)	70-0352	
33	Oil Seal	46-0931	3	68	Check Valve	8-0454	1				

PUMP ASSEMBLY (3-0207)



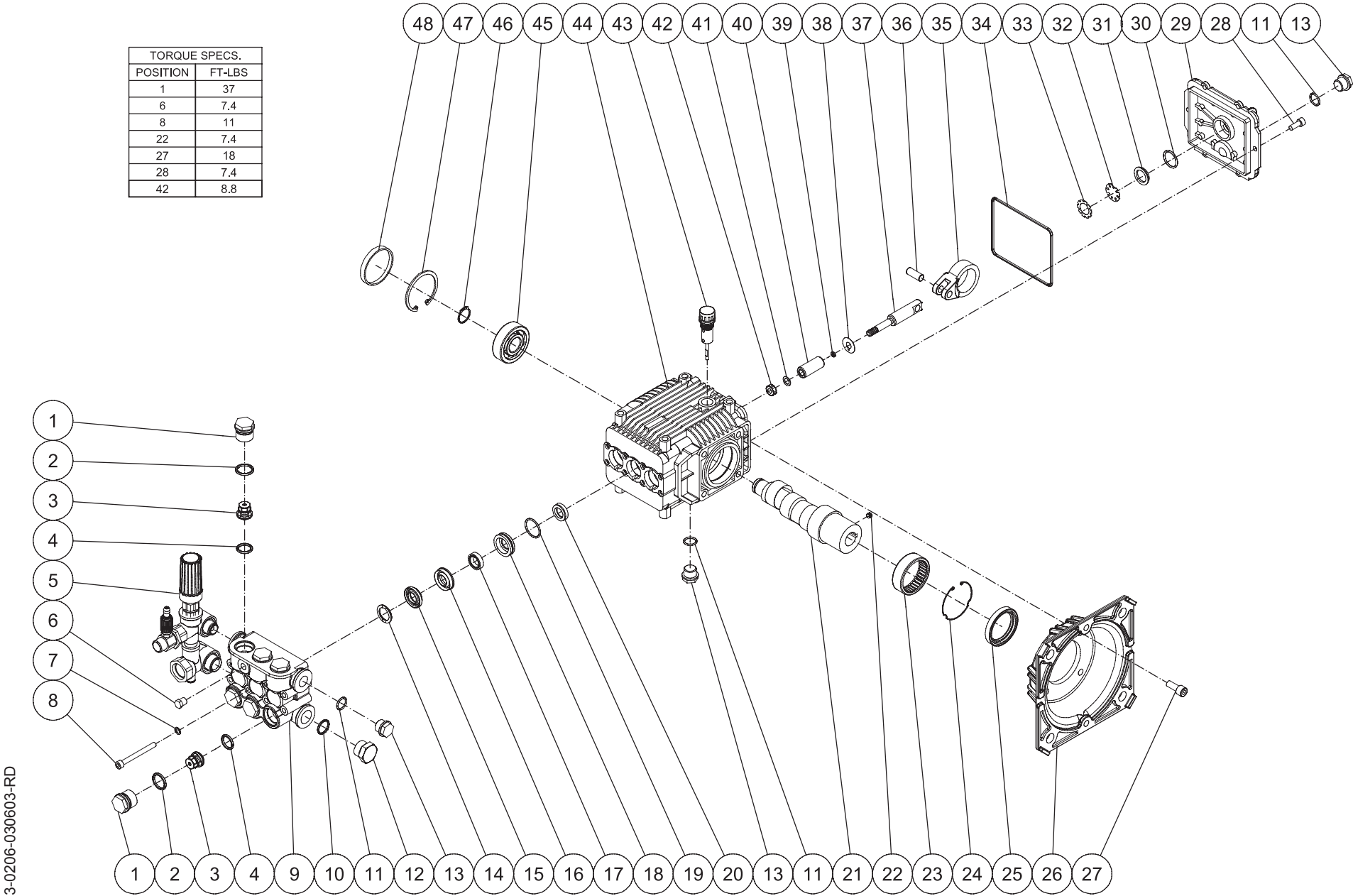
TORQUE SPECS.	
POSITION	FT-LBS
1	18
10	4
25	7,4
27	18
47	25,8
56	18,5
63	18,5
75	2,9
87	40
88	11,1
90	18,0

For parts Call 888-279-9274

PUMP ASSEMBLY (3-0207)											
REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Bolt	27-8434	4	34	O-ring	25-0384	3	69	Spring	49-0123	1
2	Flange	38-0059	1	35	Low Pressure Seal (See 70-0177)	N/A Sep.	3	70	O-ring	25-0372	1
3	Shaftcover	46-0713	1	36	Packing Retainer	46-0708	3	71	Tightener Nut	8-0497	1
4	Oil Seal	26-0194	1	37	V-Packing (See 70-0177)	N/A Sep.	3	72	Injector Adapter	8-0498	1
5	O-ring	25-0397	1	38	Support Ring (See 70-0178)	N/A Sep.	3	73	Detergent Injector Spring (See 70-0196)	N/A Sep.	1
6	Bearing	48-0062	1	39	Cap	7-0142	1	74	Ball (See 70-0196)	N/A Sep.	1
7	Crankshaft	46-0919	1	40	Bolt	27-8433	1	75	Barb	8-0499	1
8	Plug	39-0102	1	41	Nut	30-3025	1	76	O-ring (See 70-0196)	N/A Sep.	1
9	O-ring	25-0325	3	42	Unloader Knob	7-0141	1	77	O-ring (See 70-0196)	N/A Sep.	1
10	Bolt	27-8401	6	43	Pin	8-0477	1	78	Adjustable Detergent Knob	7-0152	1
11	Crankcase Cover (Inc. 8-9, 12-15)	46-0719	1	44	Adjustment Barrel	8-0476	1	79	Snap Ring (See 70-0196)	N/A Sep.	1
12	O-ring	25-0370	1	45	Spring Button	8-0475	1	80	Single Valve Assembly (Inc. 82-85) (See 70-0319)	N/A Sep.	6
13	Oil Sight Glass	46-0670	1	46	Spring	49-0132	1	81	O-ring	25-0386	6
14	Reflector	46-0824	1	47	Guide Spring	8-0474	1	82	Valve Seat (See 70-0319)	N/A Sep.	6
15	Retainer	46-0671	1	48	Spring Button	8-0445	1	83	Valve Plate (See 70-0319)	N/A Sep.	6
16	O-ring	25-0398	1	49	Pin	8-0444	1	84	Valve Spring (See 70-0319)	N/A Sep.	6
17	Connecting Rod- Aluminum	46-0896	3	50	Poppet	8-0443	1	85	Valve Cage (See 70-0319)	N/A Sep.	6
-	Connecting Rod- Bronze	46-0922	3	51	Back-up Ring (See 8-0456)	N/A Sep.	1	86	O-ring	25-0160	6
18	Piston Pin	46-0698	3	52	O-ring (See 8-0456)	N/A Sep.	1	87	Valve Cap	39-0095	6
19	Plunger Rod	46-0699	3	53	Unloader Body	8-0451	1	88	Plug	39-0096	2
20	Washer	46-0700	3	54	Washer	8-0449	1	89	O-ring	25-0387	2
21	Back-up Ring	25-0404	3	55	Washer	8-0450	1	90	Bolt	27-8440	8
22	O-ring	25-0382	3	56	Adapter (See 8-0456)	N/A Sep.	1	91	Lockwasher	29-0154	8
23	Piston	46-0701	3	57	Back-up Ring	25-0395	2	92	O-ring	25-0372	1
24	Gasket	26-0191	3	58	O-ring	25-0371	3	93	Plug	39-0088	1
25	Nut	30-6020	3	59	Piston	8-0442	1	94	Manifold	46-0711	1
26	Oil Dipstick	39-0090	1	60	O-ring	25-0389	1		Oil Seal Kit (Inc. 4, 5, 16, 30, 33)	70-0337	
27	Bolt	27-8884	4	61	Nipple	8-0441	1		High Pressure Seals Kit (Inc. 3 each 34-35, 37)	70-0177	
28	Support Bearing Cap	46-0703	1	62	O-ring (See 8-0456)	N/A Sep.	1		Support Rings Kit (Inc. 3 each 38)	70-0178	
29	Shim- 0.1mm (Qty. Varies 1-3)	46-0704	-	63	Adapter	8-0438	1		Valve Kit (Inc. 6 each 81-85)	70-0319	
-	Shim- 0.2mm (Qty. Varies 1-3)	46-0705	-	64	Washer	8-0439	1		Unloader Kit (Inc. 39-69)	8-0456	
30	O-ring	25-0380	1	65	Inlet Bypass Adapter	8-0437	1		Unloader Repair Kit (Inc. 51, 52, 57, 58, 60, 62)	70-0180	
31	Bearing	48-0072	1	66	Washer	8-0440	1		Injector Kit (Inc. 70-79)	70-0196	
32	Crankcase	46-0811	1	67	O-ring	25-0437	1		Piston Kit (Inc. 3 each 20-25)	70-0352	
33	Oil Seal	46-0931	3	68	Check Valve	8-0454	1				

PUMP ASSEMBLY (3-0307)

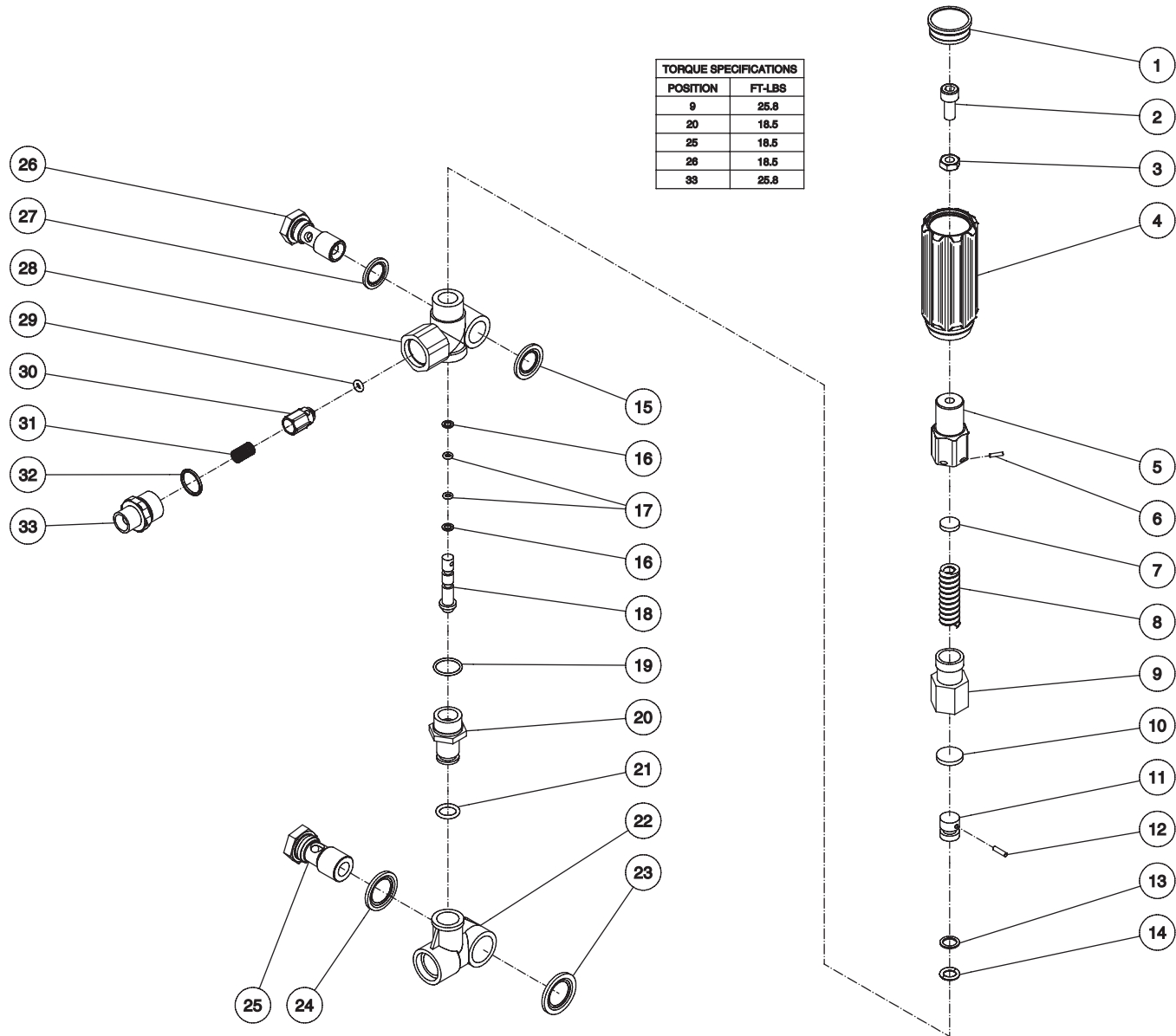
TORQUE SPECS.	
POSITION	FT-LBS
1	37
6	7.4
8	11
22	7.4
27	18
28	7.4
42	8.8



3-0206-030603-RD

PUMP ASSEMBLY								
REF #	DESCRIPTION	PART #	QTY		REF #	DESCRIPTION	PART #	QTY
1	Valve Cap	39-0087	6		27	Screw	27-8432	4
2	O-Ring	25-0160	6		28	Bolt	27-8888	6
3	Single Valve Assembly	46-0731	6		29	Pump	46-0719	1
4	O-Ring	25-0386	6		30	O-Ring	25-0370	1
5	Unloader	8-0515	1		31	Oil Sight Glass	46-0670	1
6	Plug	39-0097	1		32	Oil Reflector	46-0824	1
7	Lockwasher	29-0153	8		33	Spring Retainer	46-0671	1
8	Bolt	27-8875	8		34	O-Ring	25-0398	1
9	Manifold	46-0730	1		35	Connecting Rod	46-0720	3
10	O-Ring	25-0372	1		36	Piston Pin	46-0721	3
11	O-Ring	25-0325	3		37	Plunger Rod	46-0722	3
12	Plug	39-0088	1		38	Washer	28-1027	3
13	Plug	39-0086	3		39	O-Ring	25-0371	3
14	Support Ring	-	3		40	Piston	46-0723	3
15	V Packing	46-0729	3		41	Gasket	26-0187	3
16	Packing Retainer	46-0728	3		42	Nut	30-6016	3
17	Low Pressure Seal	46-0727	3		43	Oil Dipstick	39-0090	1
18	Retainer	46-0726	3		44	Pump Crankshaft	46-0724	1
19	O-Ring	25-0399	3		45	Ball Bearing	48-0063	1
20	Oil Seal	26-0193	3		46	Snap Ring	46-0732	1
21	Crankshaft	-	1		47	Snap Ring	46-0676	1
22	Bolt	27-8886	1		48	Bearing Cap	46-0725	1
23	Bearing	48-0059	1			Kit- High Pressure Seals (3 each of 15, 17, 19)	70-0181	-
24	Retaining ring	46-0667	1			Kit- Support Rings (3 each of 14)	70-0182	-
25	Oil Seal	26-0192	1			Kit- Valves (6 each of 3, 4)	70-0161	-
26	Flange	38-0059	1					

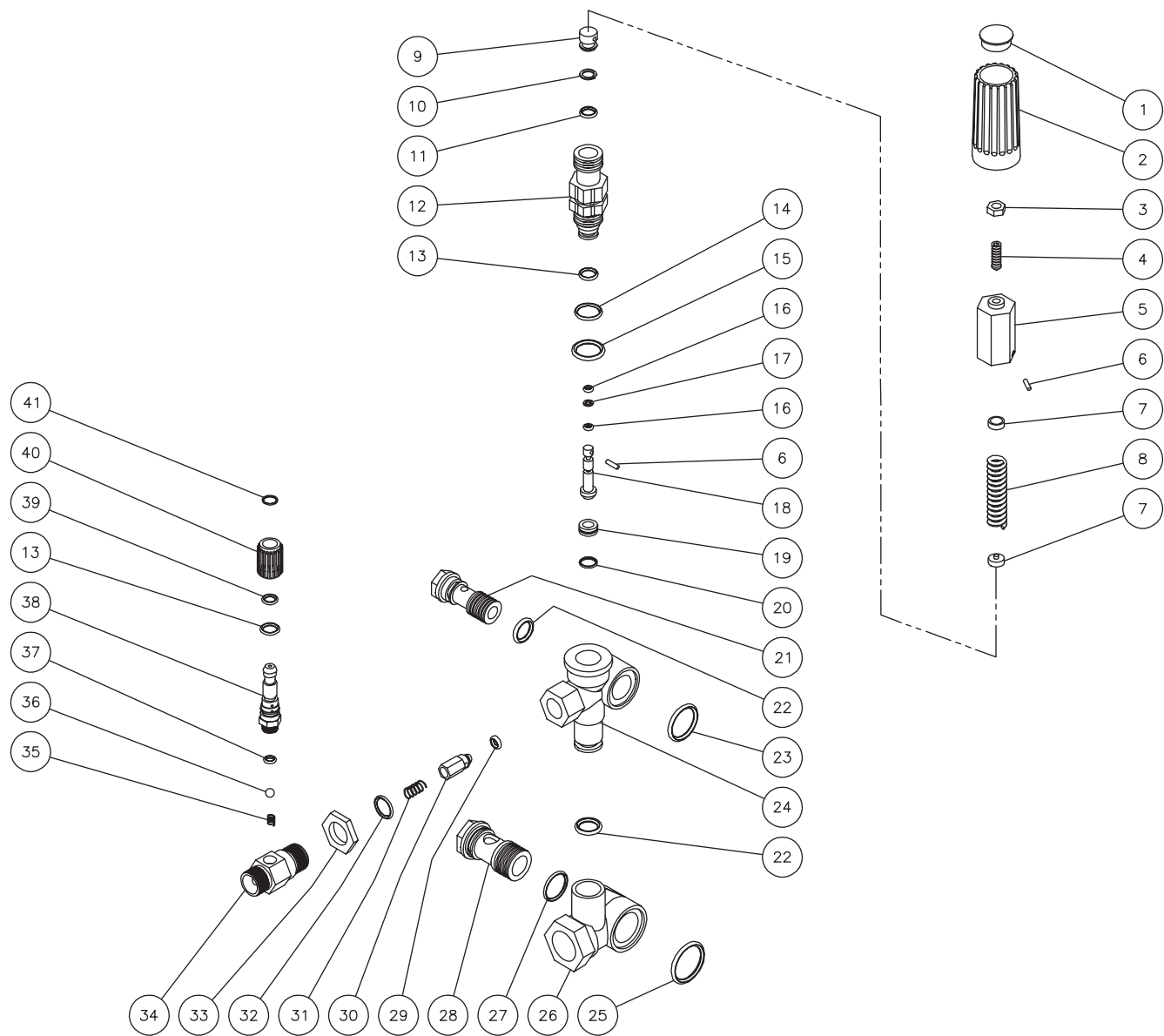
UNLOADER ASSEMBLY (8-0456)



8-0456-102004-JJF

UNLOADER ASSEMBLY (8-0456)								
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART #	QTY.
1	Unloader Cap	7-0142	1		18	Piston	8-0442	1
2	Bolt	27-8433	1		19	O-ring	25-0389	1
3	Nut	30-3025	1		20	Nipple	8-0441	1
4	Unloader Knob	7-0141	1		21	O-ring	25-0388	1
5	Adjustment Barrel	8-0476	1		22	Inlet Bypass Adapter	8-0437	1
6	Pin	8-0477	1		23	Washer	8-0439	1
7	Spring Button	8-0475	1		24	Washer	8-0440	1
8	Spring	49-0132	1		25	Adapter	8-0438	1
9	Spring Guide	8-0474	1		26	Adapter	8-0448	1
10	Spring Button	8-0445	1		27	Washer	8-0449	1
11	Poppet	8-0443	1		28	Unloader Body	8-0451	1
12	Pin	8-0444	1		29	O-ring	25-0391	1
13	Back-up Ring	25-0396	1		30	Check Valve	8-0454	1
14	O-ring	25-0390	1		31	Check Valve Spring	49-0123	1
15	Washer	8-0450	1		32	O-ring	25-0372	1
16	Back-up Ring	25-0395	2		33	Adapter Nipple	24-0159	1
17	O-ring	25-0371	2		Unloader Repair Kit (Inc. 13, 14, 16, 17, 19, 21, 29)	70-0180		

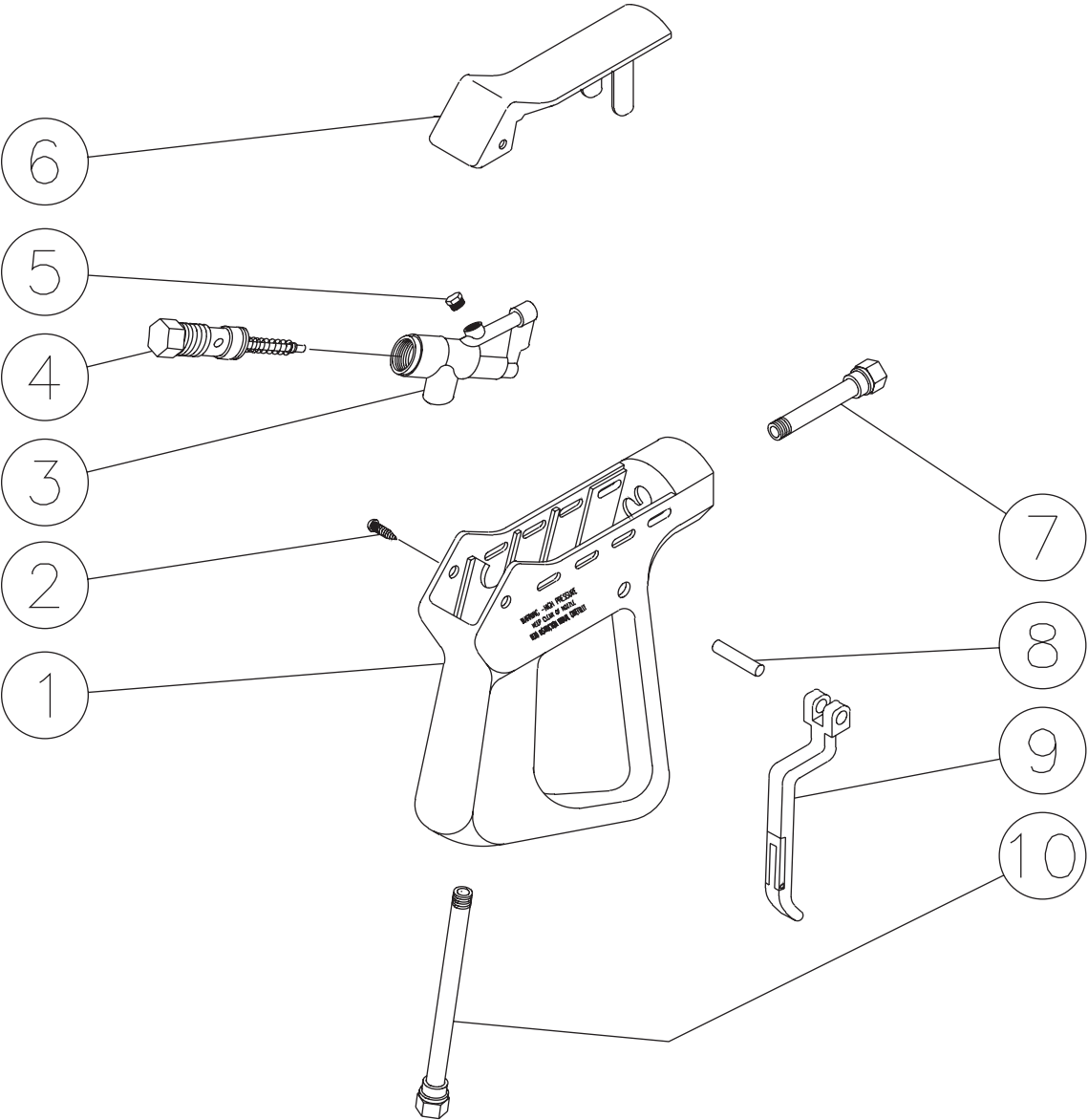
UNLOADER ASSEMBLY (8-0515)



8-0515-052604-DLG

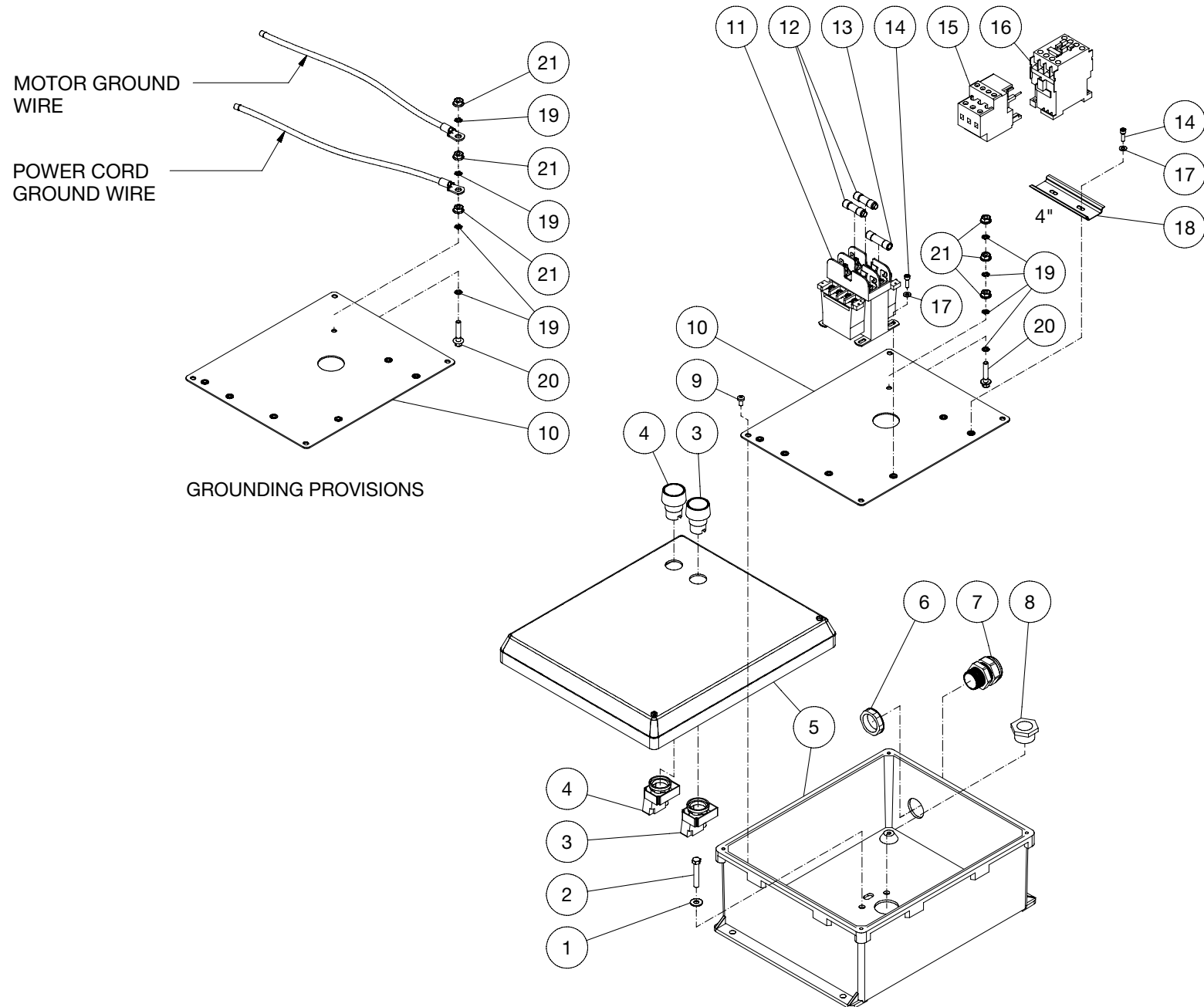
UNLOADER ASSEMBLY (8-0515)							
REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Knob Plug	7-0178	1	24	Valve Housing	N/A	1
2	Unloader Knob	7-0179	1	25	O-ring	25-0519	1
3	Nut	30-6024	1	26	By-pass Housing	N/A	1
4	Set Screw (See 70-0292)	N/A Sep.	1	27	O-ring	25-0389	1
5	Knob Insert	8-0500	1	28	Bolt	8-0517	1
6	Pin	8-0477	2	29	O-ring	25-0406	1
7	Spring Button	8-0501	2	30	Check Valve	8-0518	1
8	Spring	49-0119	1	31	Unloader Check Valve Spring	49-0124	1
9	Upper Piston (See 70-0292)	N/A Sep.	1	32	O-ring	25-0407	1
10	Back-up Ring	25-0404	1	33	Nut (See 70-0338)	N/A Sep.	1
11	O-ring (See 70-0292 / 70-0366)	N/A Sep.	1	34	Chemical Injector Body (See 70-0338)	N/A Sep.	1
12	Piston Guide	8-0502	1	35	Spring	8-0520	1
13	O-ring	25-0403	2	36	Ball	8-0521	1
14	O-ring	25-0510	1	37	O-ring	25-0371	1
15	O-ring	25-0386	1	38	Chemical Injector Hose Barb	8-0499	1
16	O-ring (See 70-0292 / 70-0366)	N/A Sep.	2	39	O-ring (See 70-0338)	N/A Sep.	1
17	Back-up Ring	25-0408	1	40	Detergent Regulator Knob (See 70-0338)	N/A Sep.	1
18	Piston	8-0413	1	41	O-ring (See 70-0338)	N/A Sep.	1
19	Valve Seat	8-0503	1		Unloader Repair Kit (Inc. 1-20)	70-0292	
20	O-ring (See 70-0292 / 70-0366)	N/A Sep.	1		O-ring Repair Kit (Inc. 10-11, 13-17, 20, 22-23, 25, 29, 32, 37)	70-0336	
21	Bolt	8-0516	1		Complete Injector (Inc. 13, 33-41)	70-0338	
22	O-ring	25-0388	2		Injector Repair Kit (Inc. 35-37)	852-0158	
23	O-ring	25-0370	1				

GUN ASSEMBLY (16-0001)



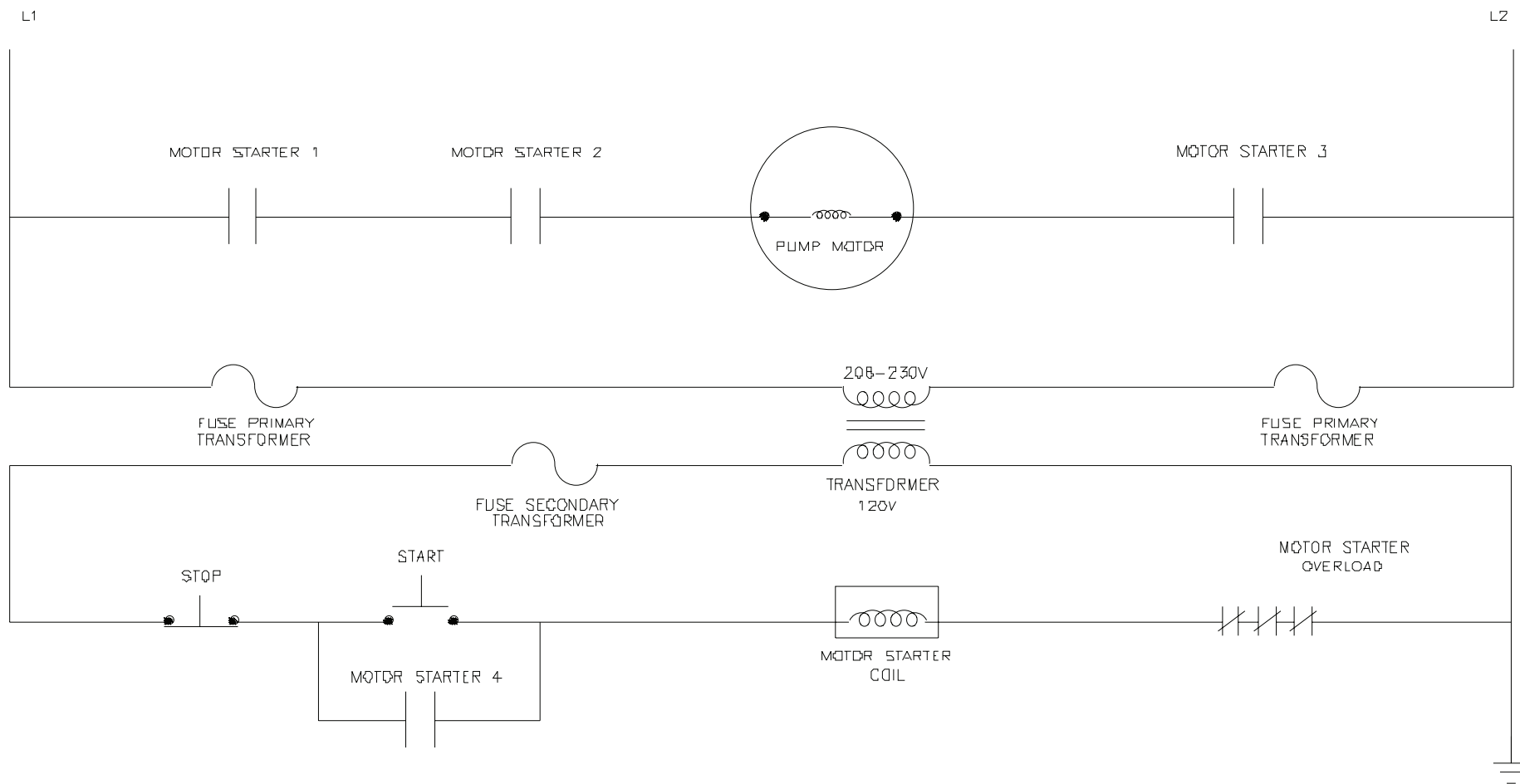
GUN ASSEMBLY (16-0001)			
REF. #	DESCRIPTION	PART #	QTY.
1	Plastic Housing	16-0008	1
2	Screw	27-3230	2
3	Brass Housing	16-0012	1
4	Gun Repair Kit	70-0055	1
5	Brass Plug	39-0024	1
6	Plastic Cover	16-0009	1
7	Pipe Assembly	16-0013	1
8	Trigger Pin	16-0063	1
9	Trigger/Safety Lock-off	16-0010	1
10	Pipe Assembly- Inlet	16-0016	1
	Complete Gun Assembly	16-0001	1

CONTROL BOX ASSEMBLY (230 VOLT)

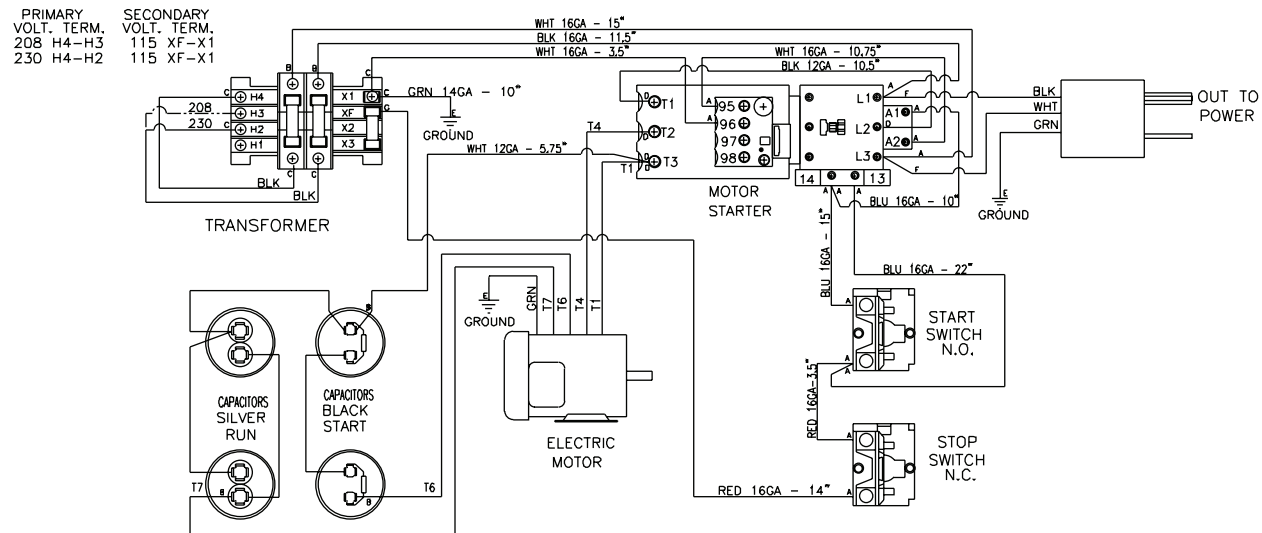


JP-2503_3004-0ME3 ELECTRIC BOX ASSY 031618 JRC			
ELECTRIC BOX ASSEMBLY			
ITEM	TITLE	PART #	QTY
1	WASHER	28-0002	4
2	BOLT	27-0018	4
3	SWITCH PUSH BUTTON	32-0534	1
4	SWITCH PUSH BUTTON	32-0610	1
5	ELECTRIC BOX	32-0683	1
6	ELECTRICAL LOCKNUT	32-0292	1
7	CORD RELIEF	9-0046	1
8	NIPPLE	32-0684	1
9	BOLT	27-8922	4
10	ELECTRIC PANEL	20-0557A06	1
11	TRANSFORMER	32-0313	1
12	FUSE	32-0467	2
13	FUSE 0.6A	32-0471	1
14	SCREW	27-8835	6
15	OVERLOAD (3004)	32-1074	1
-	OVERLOAD (2503)	32-1159	1
16	CONTACTOR (2503)	32-0477	1
-	CONTACTOR (3004)	32-0478	1
17	WASHER	28-0010	6
18	DIN RAIL *(ONE FOOT REQUIRED)	32-0316	.110
19	STAR WASHER	28-1009	4
20	BOLT	27-8898	1
21	NUT	30-3022	3
*MUST ORDER IN ONE FOOT LENGTHS			

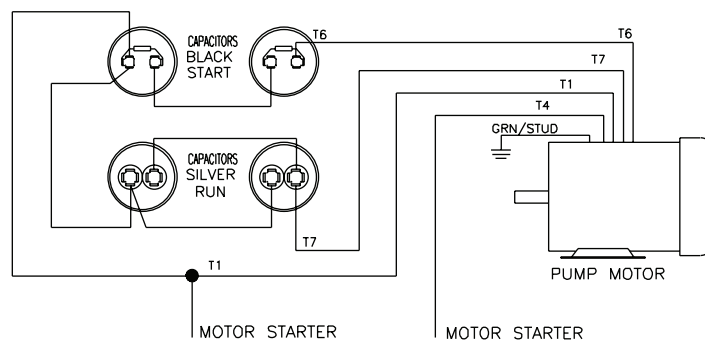
WIRING SCHEMATIC FOR JP-2503-0ME1 (230 VOLT)



WIRING DIAGRAM FOR JP-2503-0ME1 (230 VOLT)



JP-WD-0001-041700-GJH

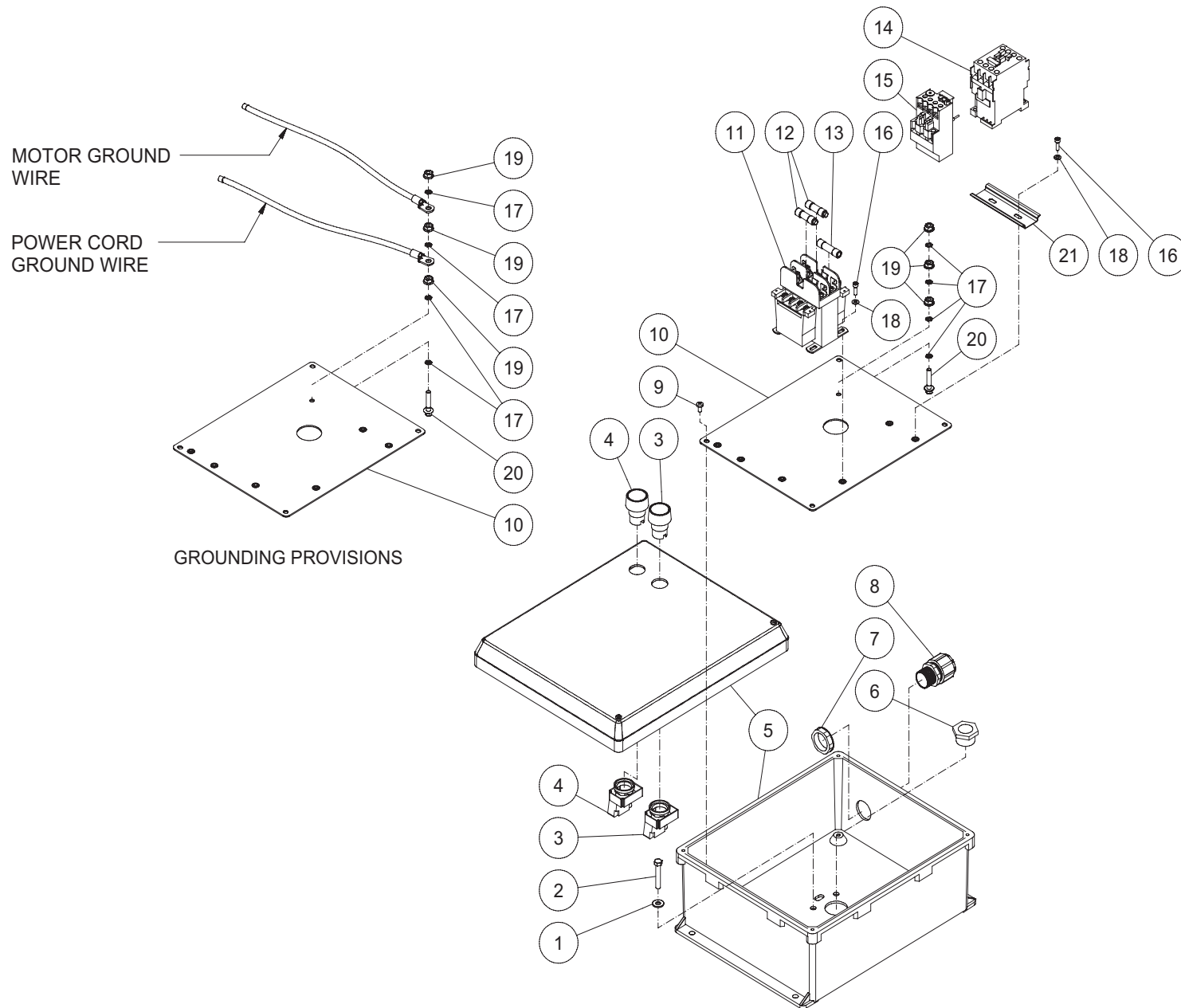


WIRING DIAGRAM

REF. #	DESCRIPTION	PART #	QTY.
A	Terminal Insulated- Black	32-0494	14
B	Terminal Flag Female	32-0492	5
C	Terminal Fork	32-0003	6
D	Terminal Insulated- Gray	32-0496	5
E	Terminal Ring	32-0004	3
F	Terminal Insulated- Yellow	32-0497	2
G	Terminal Fullin	32-0221	1

JP-WD-00012503D-041700-GJH

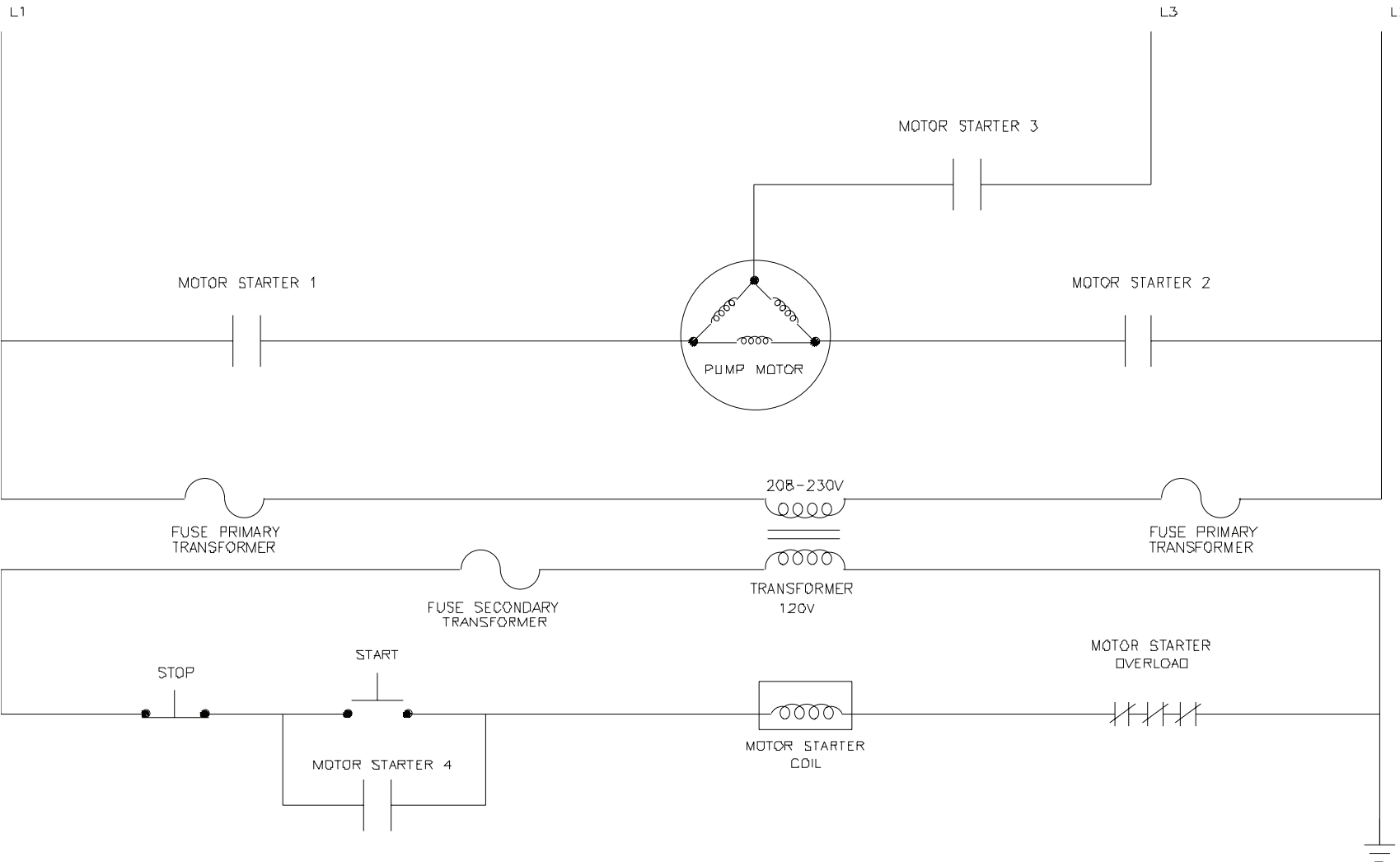
CONTROL BOX ASSEMBLY FOR JP-2503-0ME3 (230 VOLT)



JP-2503/3004-0ME3-ELECTRIC BOX ASSY040110-RSW

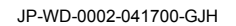
JP-2503-3004-0ME3 ELECTRIC BOX 040110-RSW		
CONTROL BOX ASSEMBLY FOR 2503_3504-0ME3		
ITEM	DESCRIPTION	PART #
1	WASHER	28-0002
2	BOLT	27-0018
3	SWITCH PUSH BUTTON	32-0534
4	SWITCH PUSH BUTTON	32-0610
5	ELECTRIC BOX	32-0683
6	NIPPLE	32-0684
7	ELECTRICAL LOCKNUT	32-0292
8	CORD RELIEF	9-0046
9	BOLT	27-8922
10	ELECTRIC PANEL	20-0557
11	TRANSFORMER	32-0313
12	FUSE	32-0467
13	FUSE	32-0471
14	CONTACTOR (2503)	32-0477
14	CONTACTOR (3004)	32-0478
15	OVERLOAD RELAY (2503)	32-0483
15	OVERLOAD RELAY (3004)	32-0484
16	SCREW	27-8835
17	STAR WASHER	28-1009
18	WASHER	28-0010
19	NUT	30-3022
20	BOLT	27-8898
21	DIN RAIL	32-0316

WIRING SCHEMATIC FOR JP-2503-0ME3 / JP-3004-0ME3 (230 VOLT)



JP-WD-0002S-041700-GJH

JP-WD-0002D-041700-GJH



WIRING DIAGRAM (230 VOLT)			
REF. #	DESCRIPTION	PART #	QTY.
A	Terminal Insulated	32-0494	14
B	Terminal Flag Female	32-0492	2
C	Terminal Fork	32-0003	6
D	Terminal Insulated- Gray	32-0496	6
E	Terminal Ring	32-0004	3
F	Terminal Insulated- Yellow	32-0497	3
G	Terminal Fullin	32-0221	1

For parts Call 888-279-9274

NOTES

