



THE JOB PRO®
PARTS LIST FOR
JP-2503-1ME3
JP-3004-1ME3

For parts Call 888-279-9274

Motor Horsepower:

2503

3004

Pump Oil Grade:

Pump Oil Capacity:

2503

3004

6 H.P.

8 H.P.

Mi-T-M Pump Oil #AW-4085-0016

14.0 oz.

18.5 oz.

Nozzle Size:

2503

3004

4.0

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.

Table of Contents

SPECIFICATIONS.....3

NOTES.....4

NOTES.....5

FRAME ASSEMBLY FOR JP-2503-1ME3 / JP-3004-1ME36

PUMP ASSEMBLY (3-0307).....8

PUMP ASSEMBLY (3-0207).....10

UNLOADER ASSEMBLY (8-0515)12

UNLOADER ASSEMBLY (8-0456)14

WIRING SCHEMATIC (230 VOLT).....16

WIRING DIAGRAM (230 VOLT)17

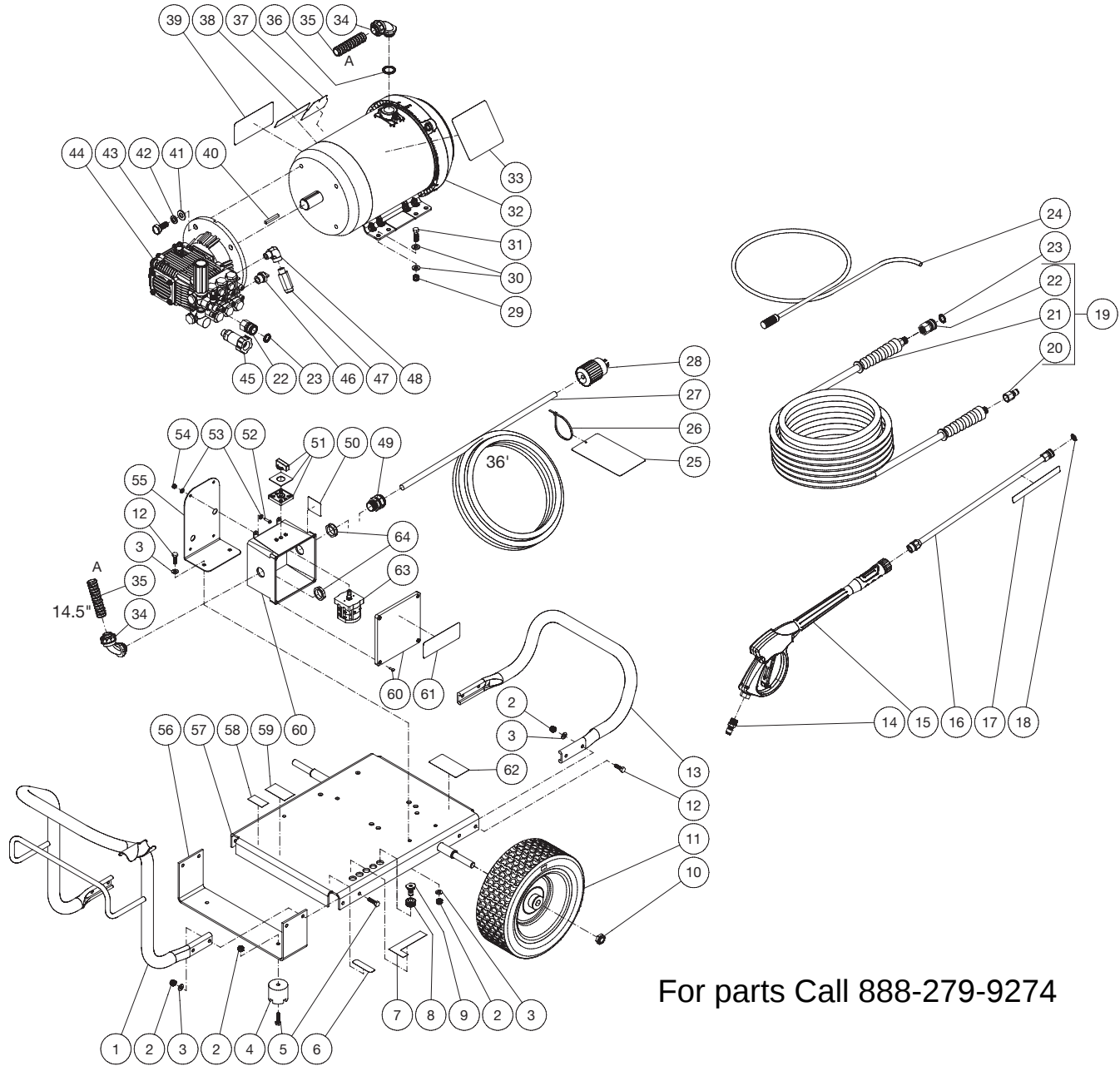
SPECIFICATIONS

MODEL NUMBER	JP-2503-1ME3	JP-3004-1ME3
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	
Horsepower	6.0	8.0
Voltage	230/460	
Phase	Three	
Amps	17.3/8.65	20/10
Pump:	Direct Driven, Oil Bath, Triplex Piston	
Oil Type	Mi-T-M Pump Oil #AW-4085-0016	
Oil Capacity (oz./liters)	14/.41	18.5/.55
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)	206/94	
Unit Shipping Weight (lbs/Kg)	620/118	
Unit Net Dimension (in/cm)	44Lx26Wx27H/112Lx66Wx69H	
Unit Shipping Dimension (in/cm)	48Lx30Wx34H/122Lx76Wx86H	

NOTES

NOTES

FRAME ASSEMBLY FOR JP-2503-1ME3 / JP-3004-1ME3



For parts Call 888-279-9274

JP-2503_3004-1ME3 062322 SMS

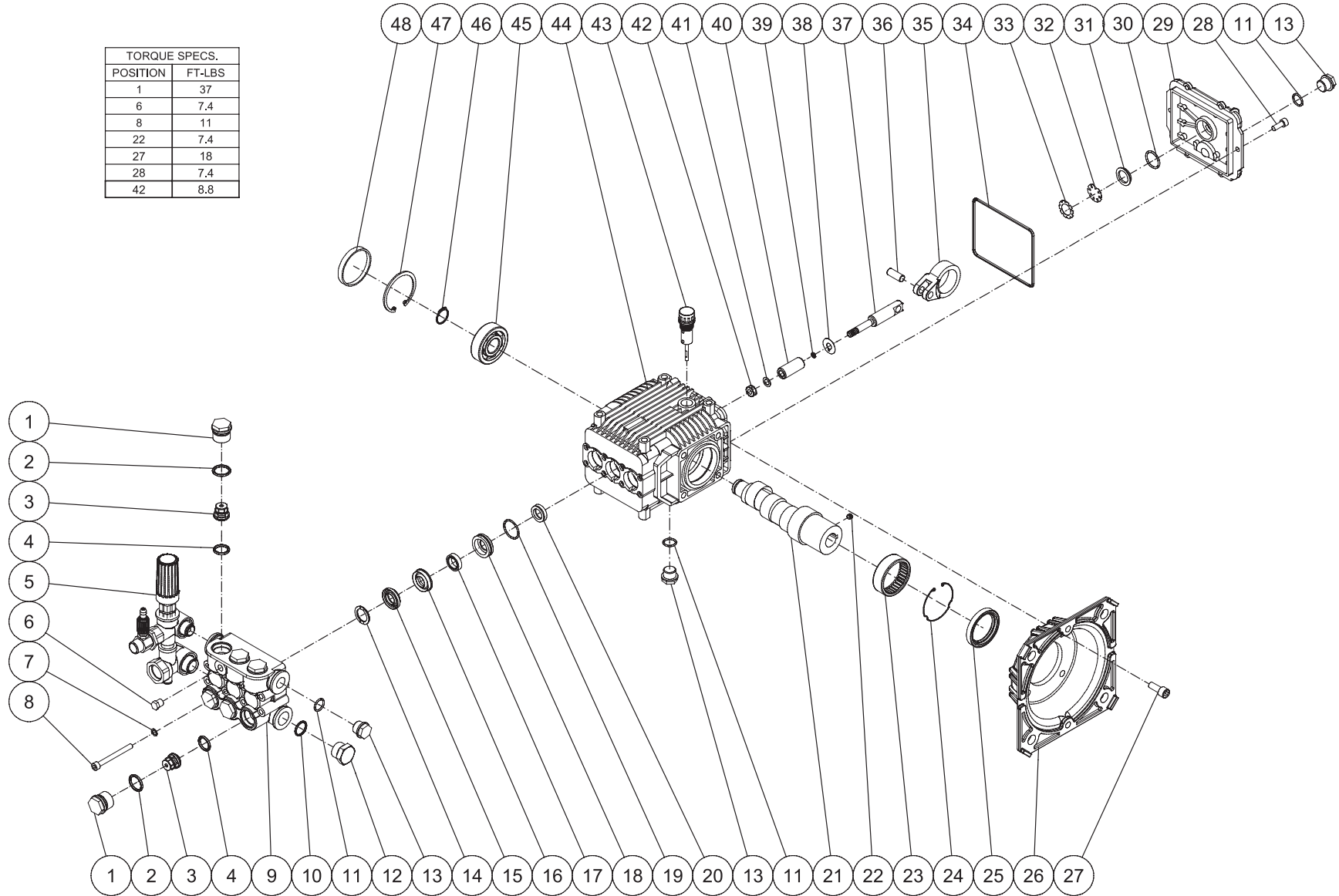
FRAME ASSEMBLY

ITEM	TITLE	PART #	QTY	ITEM	TITLE	PART #	QTY
1	HANDLE	7-0216A18	1	32	MOTOR (3004)	2-0233	1
2	LOCKNUT	30-0157	12	-	MOTOR (2503)	2-0232	1
3	WASHER	28-0003	12	33	DECAL - WARNING RISK OF ELE. (E/S) (SEE 71-1018 OR 71-1019)	N/A	1
4	ISOLATOR	14-0008	2	34	CONDUIT ELBOW	32-0487	2
5	BOLT	27-0068	6	35	CONDUIT *(TWO FEET REQUIRED)	32-0486	1
6	DECAL - WARNING POTABLE WATER (E/S) (SEE 71-1018 OR 71-1019)	N/A	1	36	GASKET	26-0314	1
7	DECAL - NOZZLE (SEE 71-1018 OR 71-1019)	N/A	1	37	DECAL (3004) (SEE 71-1019)	N/A	1
8	GROMMET	33-0002	5	-	DECAL (2503) (SEE 71-1018)	N/A	1
9	NOZZLE	18-0386	1	38	DECAL (3004) (SEE 71-1019)	N/A	1
-	NOZZLE (3004)	18-0402	1	-	DECAL (2503) (SEE 71-1018)	N/A	1
-	NOZZLE (3004)	18-0403	1	39	DECAL - CAUTION RISK OF INJURY (SEE 71-1018 OR 71-1019)	N/A	1
-	NOZZLE (3004)	18-0404	1	40	KEY	43-0166	1
-	NOZZLE (2503)	18-0397	1	41	WASHER	28-0006	4
-	NOZZLE (2503)	18-0399	1	42	LOCKWASHER	29-0010	4
-	NOZZLE (2503)	18-0400	1	43	BOLT	27-0217	4
10	LOCKNUT	30-0117	2	44	PUMP (3004)	3-0207	1
11	WHEEL	14-0150	2	-	PUMP (2503)	3-0307	1
12	BOLT	27-0067	6	45	FILTER	19-0206	1
13	HANDLE	7-0175A18	1	46	RELIEF VALVE	22-0005	1
14	QUICK CONNECT	17-0005	1	47	SAFETY VALVE	22-0376	1
15	GUN & WAND - 4000 PSI	16-0441	1	48	ELBOW	24-0105	1
16	LANCE ASSEMBLY	16-0366	1	49	CORD RELIEF	9-0046	1
17	DECAL - RISK OF INJECTION (SEE 71-1018 OR 71-1019)	N/A	1	50	DECAL-CONNECT CIRCUIT BR. (SEE 71-1018 OR 71-1019)	N/A	1
18	O-RING	25-0122	1	51	SWITCH	32-1227	1
19	HOSE ASSEMBLY W/QC 4000 PSI	851-0338	1	52	SCREW	27-2811	4
20	QUICK CONNECT	17-0006	1	53	WASHER	28-0001	8
21	HOSE	15-0209	1	54	LOCKNUT	30-0154	4
22	QUICK CONNECT SOCKET	17-0004	2	55	BRACKET	13-0266A18	1
23	O-RING	25-0123	2	56	UNDERBRACKET	13-0137A18	1
24	DETERGENT HOSE	19-0233	1	57	BASEPLATE	5-0186A18	1
25	TAG - WARNING RISK OF ELECTROCUTION	N/A	1	58	DECAL - MADE IN USA	34-3553	1
26	CABLE TIE	33-0022	1	59	DECAL - MOBILE PRO	34-3584	1
27	CORD (3004) *(THIRTY SIX FEET REQUIRED)	32-0023	1	60	ELECTRIC BOX	32-1336	1
-	CORD (2503, 480V) *(THIRTY SIX FEET REQUIRED)	32-0025	1	61	DECAL - WARNING RISK OF INJECTION/EXPLOSION (SEE 71-1018 or 71-1019)	N/A	1
28	PLUG (3004)	32-0037	1	62	DECAL - SILVER STICKER	N/A	1
-	PLUG (2503)	32-0118	1	63	SWITCH (3004)	32-1231	1
-	PLUG (480V)	32-0117	1	-	SWITCH (2503, 480V)	32-1230	1
29	LOCKNUT	30-0159	4	64	ELECTRICAL LOCKNUT	32-0292	2
30	WASHER	28-0004	8	-	DECAL SET JP-3004-0ME3	71-1019	1
31	BOLT	27-0118	4	-	DECAL SET JP-2503-0ME3	71-1018	1

*MUST ORDER IN ONE FOOT LENGTHS

PUMP ASSEMBLY (3-0307)

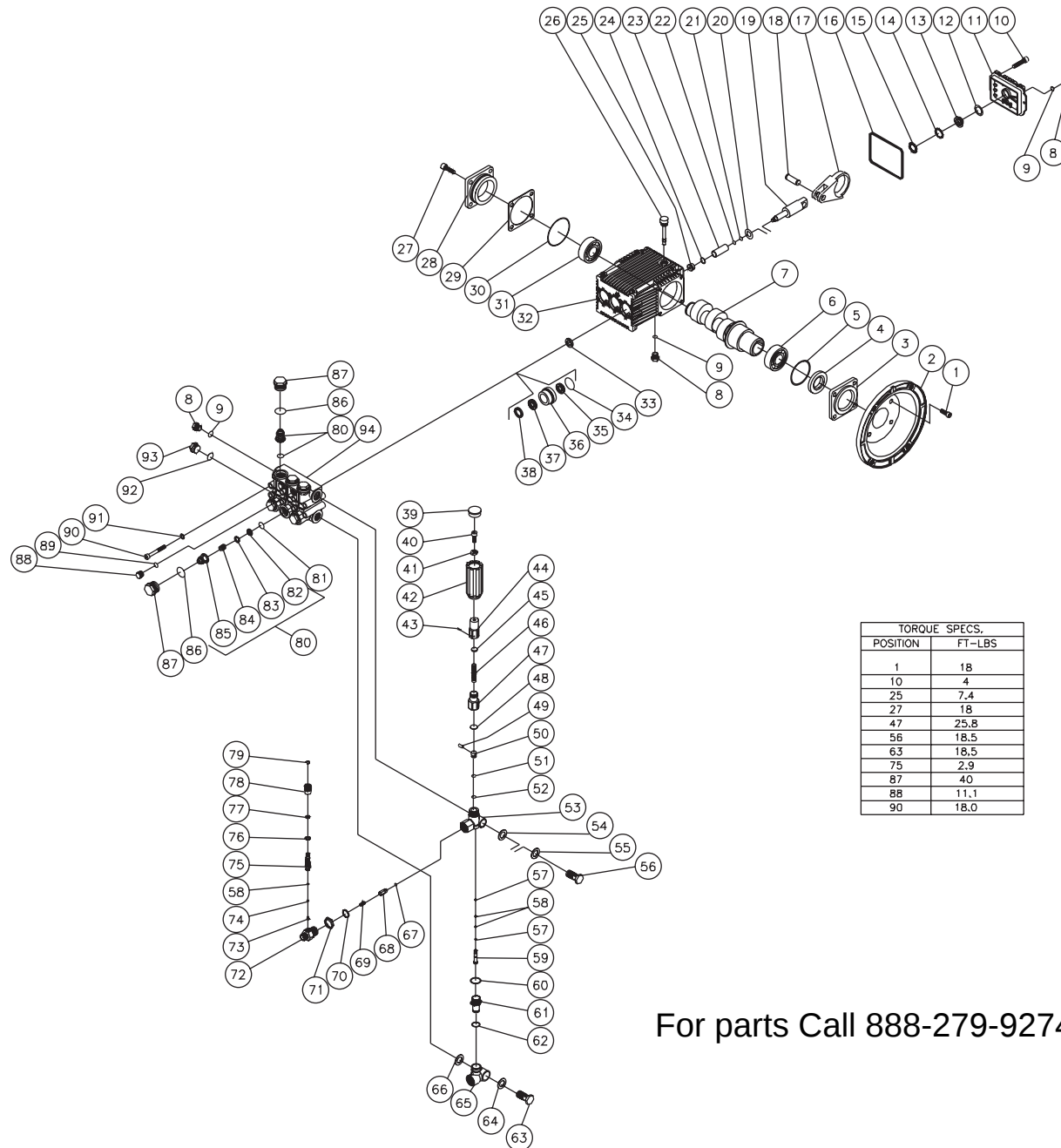
TORQUE SPECS.	
POSITION	FT-LBS
1	37
6	7.4
8	11
22	7.4
27	18
28	7.4
42	8.8



3-0307-030308-JJT

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					

PUMP ASSEMBLY (3-0207)

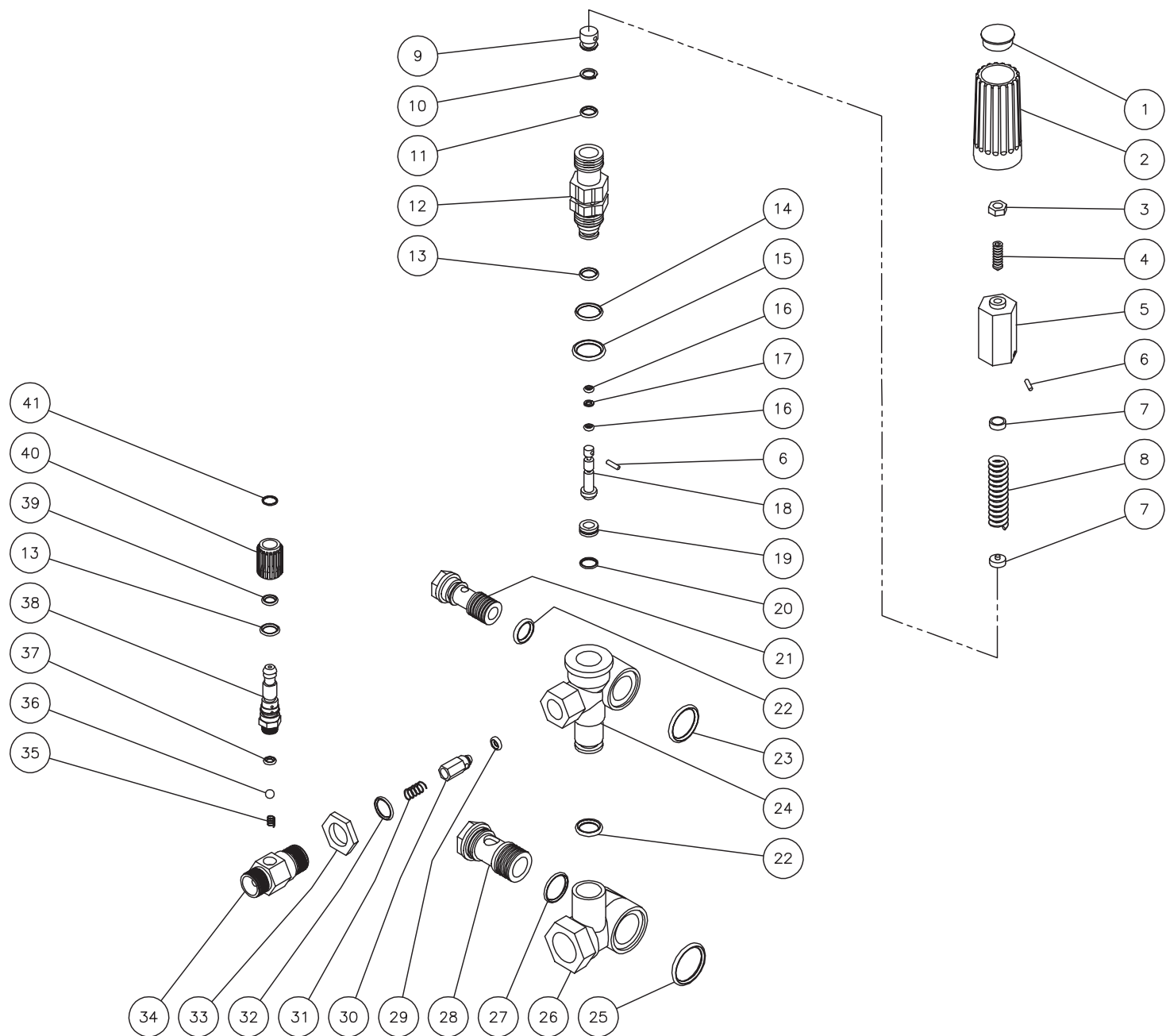


TORQUE SPECS.	
POSITION	FT-LBS
1	18
10	4
25	7.4
27	18
47	25.8
56	18.5
63	18.5
75	2.9
87	40
88	11.1
90	18.0

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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.	
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				

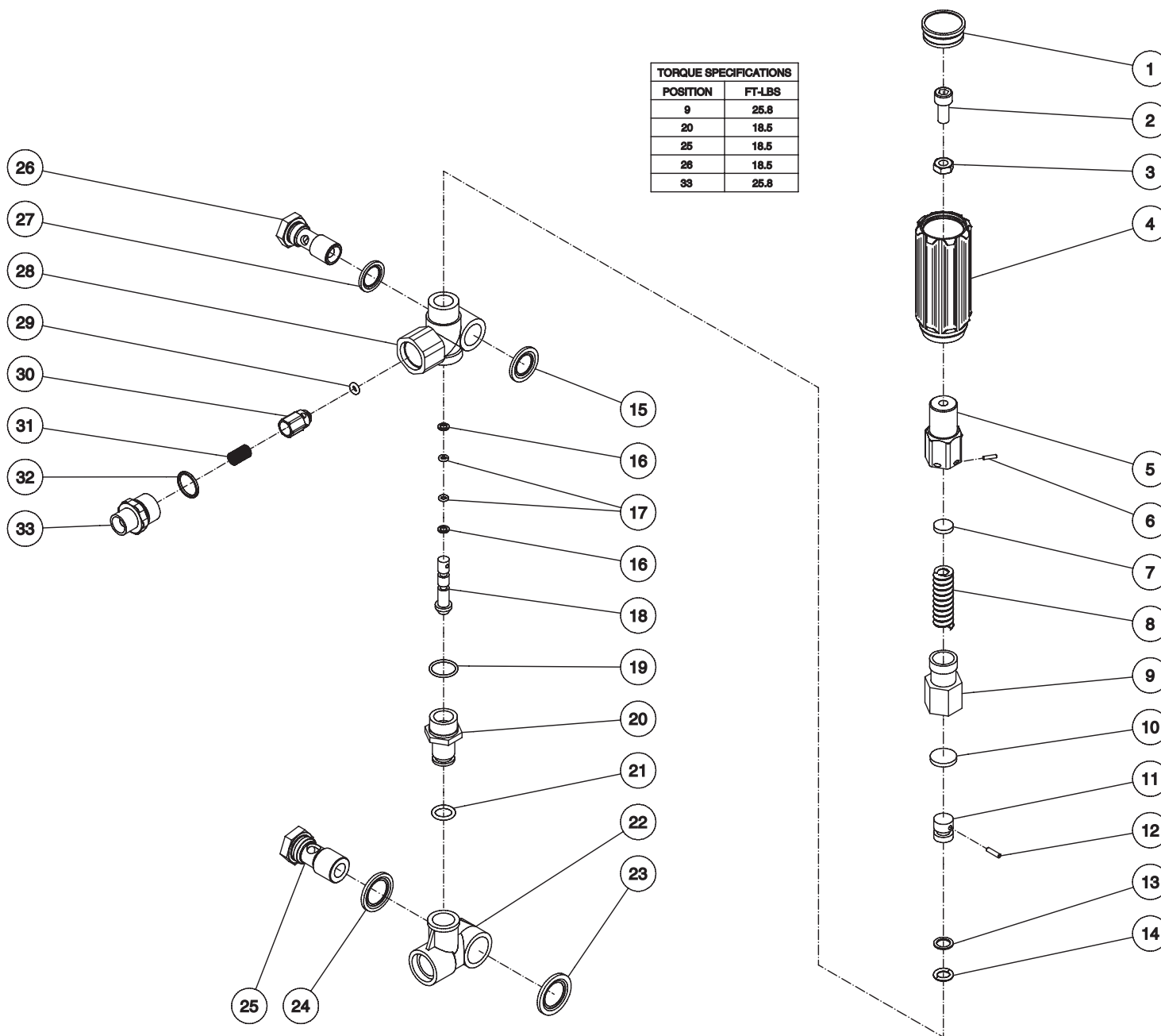
UNLOADER ASSEMBLY (8-0515)



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					

UNLOADER ASSEMBLY (8-0456)

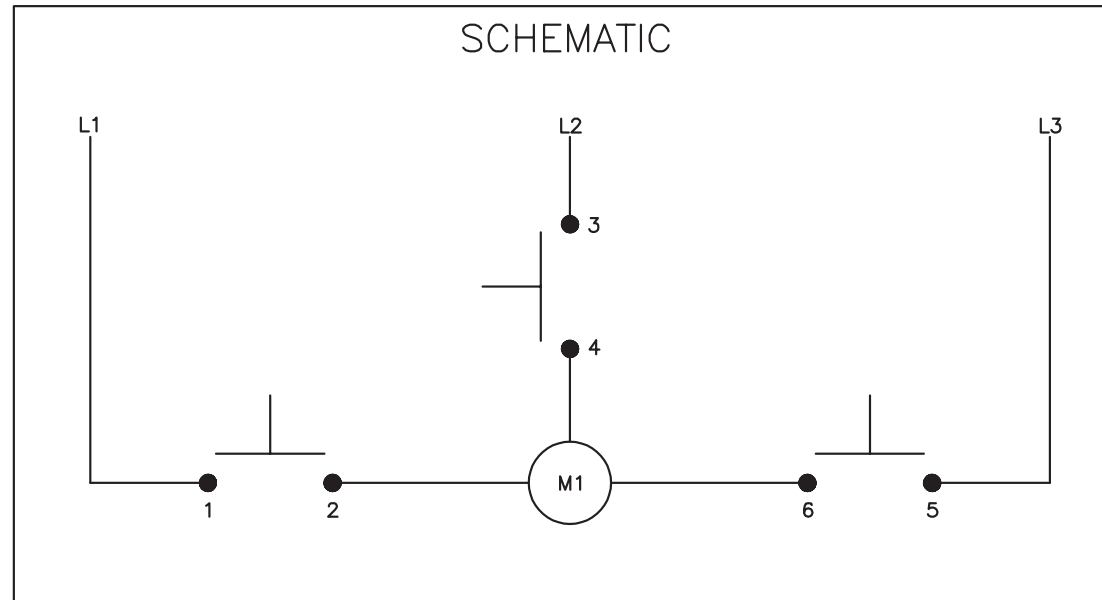
TORQUE SPECIFICATIONS	
POSITION	FT-LBS
9	25.8
20	18.5
25	18.5
28	18.5
33	25.8



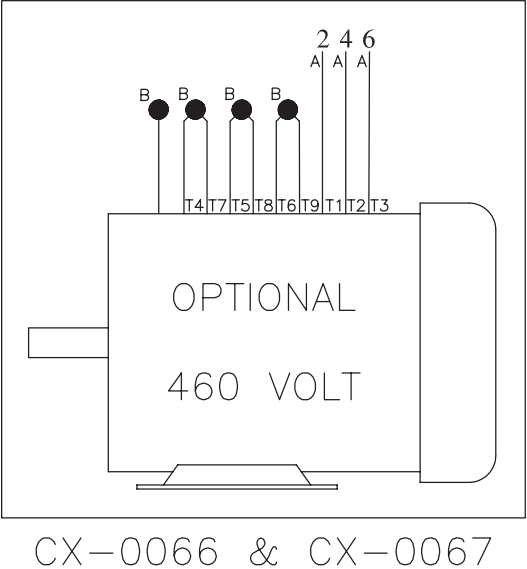
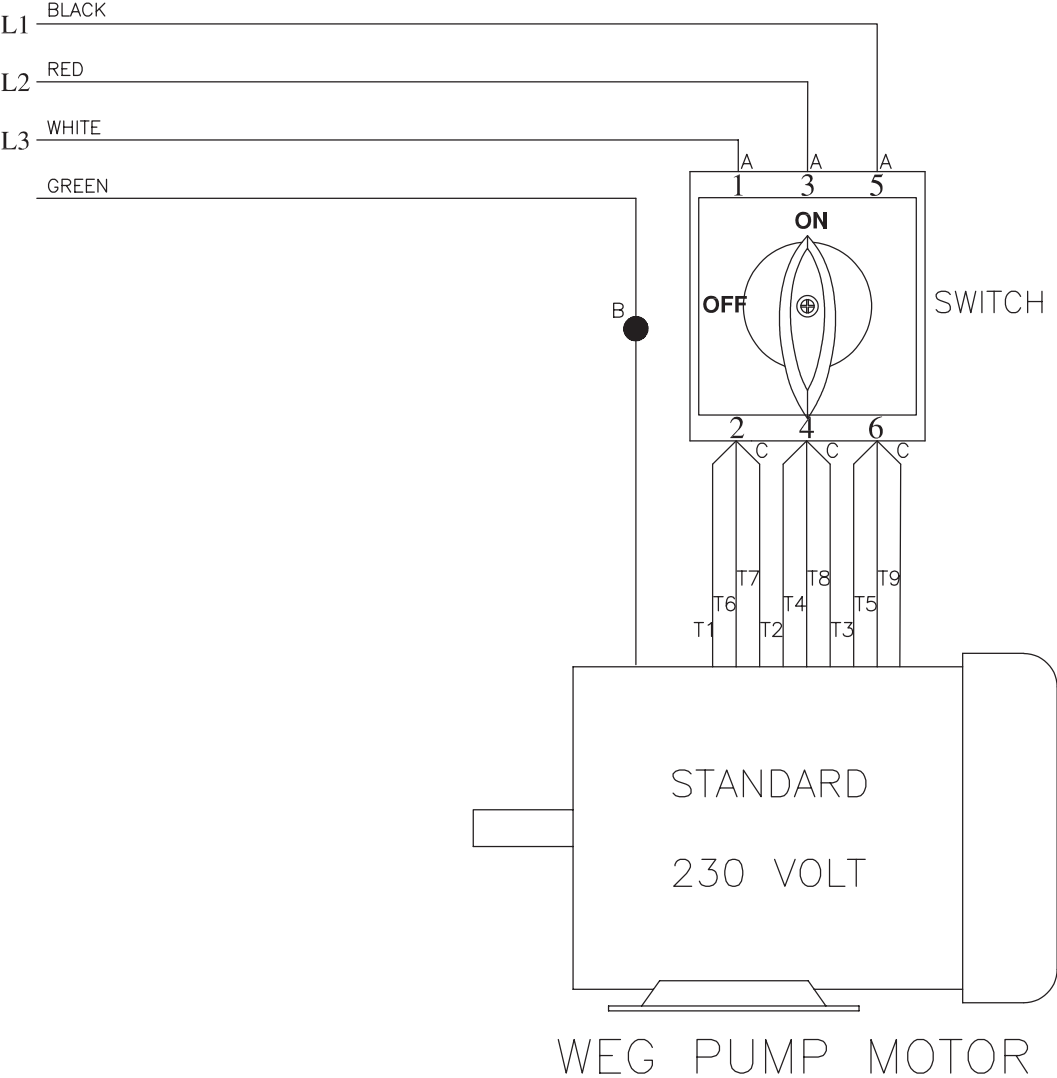
8-0456-022712-MLK							
UNLOADER ASSEMBLY (8-0456)							
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART # QTY.
1	UNLOADER CAP	7-0142	1		18	PISTON	8-0442 1
2	BOLT	27-8433	1		19	O-RING (SEE KIT 70-0180)	25-0389 1
3	NUT	8-0293	1		20	NIPPLE	8-0441 1
4	UNLOADER KNOB	7-0141	1		21	O-RING (SEE KIT 70-0180)	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	8-0516 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 (SEE KIT 70-0180)	25-0391 1
13	BACK-UP RING (SEE KIT 70-0180)	25-0396	1		30	CHECK VALVE	8-0454 1
14	O-RING (SEE KIT 70-0180)	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 (SEE KIT 70-0180)	25-0395	2		33	ADAPTER NIPPLE	24-0159 1
17	O-RING (SEE KIT 70-0180)	25-0371	2				

REPLACEMENT KITS			
Mi-T-M KIT #	DESCRIPTION	ITEMS	# OF ASSEMBLIES
70-0180	KIT - UNLOADER REPAIR KIT	13, 14, 16, 17, 19, 21, 29	1, 1, 2, 2, 1, 1, 1

WIRING SCHEMATIC (230 VOLT)



WIRING DIAGRAM (230 VOLT)



WIRE DIAGRAM JP-2503-3004-1ME3 022822

For parts Call 888-279-9274

Manufactured by Mi-T-M
50 MI-T-M Drive, Peosta IA 52068
563-556-7484/ Fax 563-556-1235