



TECHNICAL PARTS LIST FOR
CD-1002-3MUH
CD-1502-3MUH
(AFTER SERIAL #11370102)

Call for Parts 888-279-9274

MOTOR HORSEPOWER:

CD-1002-3MUH: 1.5 HP

CD-1502-3MUH: 2.0 HP

PUMP OIL GRADE:

Mi-T-M PUMP OIL #AW-4085-0016

PUMP OIL CAPACITY:

9.81 oz.

NOZZLE SIZE:

CD-1002-3MUH: 1.40 mm

CD-1502-3MUH: 1.25 mm

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 power source. Turning over the machinery by hand during adjustment or cleaning might start the machinery, 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.
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 CD-1002-3MUH AND CD-1502-3MUH (BEFORE SERIAL #11063657)	6
FRAME ASSEMBLY FOR CD-1002-3MUH AND CD-1502-3MUH (AFTER SERIAL #11063657)	8
FRAME ASSEMBLY FOR CD-1002-3MUH AND CD-1502-3MUH (AFTER SERIAL #11370102)	10
PUMP ASSEMBLY (3-0362)	12
UNLOADER ASSEMBLY (8-0625)	14
UNLOADER ASSEMBLY (8-0635)	16
MOTOR ASSEMBLY (851-0247 & 851-0248) (BEFORE SERIAL #11370102)	18
MOTOR ASSEMBLY (851-0247 & 851-0248) (AFTER SERIAL #11370102)	20
LANCE ASSEMBLY (16-0412 AND 16-0413)	22
WIRING SCHEMATIC (BEFORE SERIAL #11370102).....	24
WIRING DIAGRAM (BEFORE SERIAL #11370102).....	25
WIRING SCHEMATIC (AFTER SERIAL #11370102).....	26
WIRING DIAGRAM (AFTER SERIAL #11370102).....	27

SPECIFICATIONS

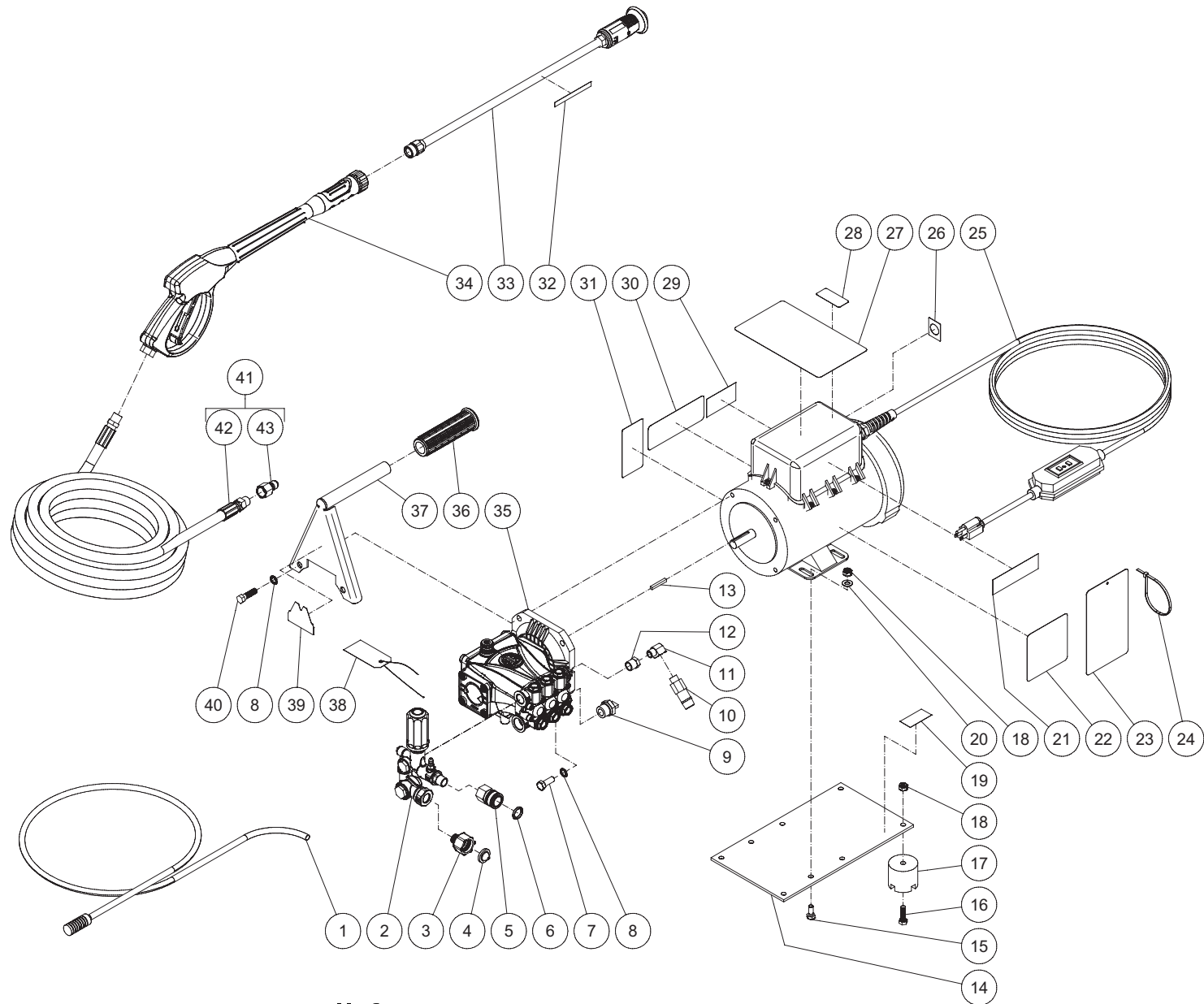
MODEL NUMBER	CD-1002-3MUH	CD-1502-3MUH
Operating Pressure (PSI/Bar):	1000/69	1500/103
High Pressure Nozzle:	1.40 mm	1.25 mm
Water Volume (GPM/lpm):	2.0/7.6	
Motor:	Totally enclosed fan cooled, magnetic circuit breaker protection, 35ft. power supply cord with Ground Fault Circuit Interrupter (GFCI)	
Horsepower	1.5	2.0
Voltage	120	
Phase	Single	
Amps	13.2	17.5
Pump:	Direct Driven, Oil Bath, Triplex Piston	
Oil Type	Mi-T-M Pump Oil #AW-4085-0016	
Oil Capacity (oz./liters)	9.81/0.29	
Plungers	Ceramic	
Manifold	Forged Brass	
Valves	Stainless Steel	
Unloader	Adjustable	
Pop-Off Valve	Relieves excess pressure	
Heat Dump Valve	Relieves heated water during unloader bypass stage	
Detergent Injector:	Adjustable low pressure down stream from pump	
Unit Net Weight (lbs/Kg)	66.7/30.3	70/32
Unit Shipping Weight (lbs/Kg)	77/35.2	81/36.7
Unit Net Dimension (in)	22Lx11.5Wx14.5H	
Unit Net Dimension (cm)	56Lx29Wx37H	
Unit Shipping Dimension (in)	24.5Lx13Wx16H	
Unit Shipping Dimension (cm)	62Lx33Wx40.5H	

NOTES

DATE	SERIAL NUMBER	REASON FOR CHANGE
6/14/2022	#11370102	WEG MOTOR CHANGE: -REPLACED 2-0083 WITH 2-0214 -REPLACED 2-0084 WITH 2-0209

NOTES

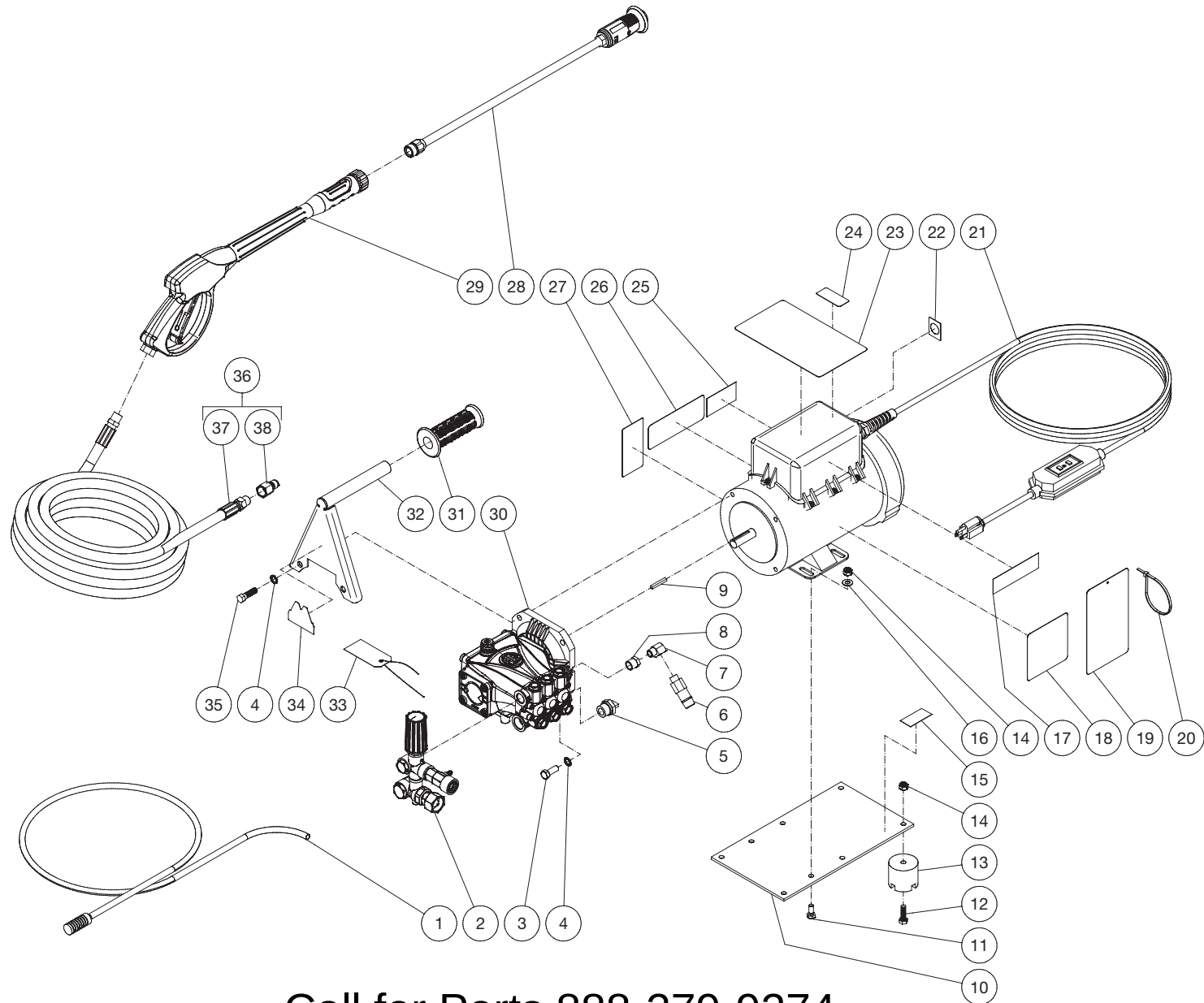
FRAME ASSEMBLY FOR CD-1002-3MUH AND CD-1502-3MUH (BEFORE SERIAL #11063657)



Call for Parts 888-279-9274

CD-1002_1502-3MUH 061217 CK			
FRAME ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	DETERGENT HOSE	19-0233	1
2	UNLOADER	8-0625	1
3	SWIVEL GARDEN HOSE	23-0096	1
4	FILTER	19-0001	1
5	QC SOCKET	17-0004	1
6	O-RING	25-0123	1
7	BOLT	27-0117	2
8	LOCKWASHER	29-0155	4
9	RELIEF VALVE	22-0005	1
10	POP-OFF VALVE	22-0046	1
11	ELBOW	23-0014	1
12	REDUCER	23-0017	1
13	KEY	43-0072	1
14	BASEPLATE	5-0110A01	1
15	BOLT	27-0066	4
16	BOLT	27-0068	4
17	ISOLATOR	14-0008	4
18	LOCKNUT	30-0157	8
19	DECAL - MADE IN USA	34-3553	1
20	WASHER	28-0003	4
21	DECAL	N/A	1
-	DECAL (1502)	N/A	1
22	DECAL - CAUTION/IMPORTANT (SEE 71-1012)	N/A	1
23	TAG - WARNING RISK OF ELECTROCUTION	34-1035	1
24	CABLE TIE	33-0022	1
25	MOTOR ASSEMBLY (1002)	851-0247	1
-	MOTOR ASSEMBLY (1502)	851-0248	1
26	DECAL-ON/OFF (SEE 71-1012)	N/A	1
27	DECAL - WARNING RISK OF ELECTROCUTION (SEE 71-1012)	N/A	1
28	DECAL - PUMP INSTRUCTIONS (SEE 71-1012)	N/A	1
29	DECAL- MOBILE PRO	34-3576	1
30	DECAL - WARNING RISK OF INJECTION/EXPLOSION (SEE 71-1012)	N/A	1
31	DECAL- SILVER STICKER	N/A	1
32	DECAL - ADJ. NOZZLE (SEE 71-1012)	34-0457	1
33	LANCE (1002)	16-0413	1
-	LANCE (1502)	16-0412	1
34	GUN & WAND - 4000 PSI	16-0441	1
35	PUMP	3-0362	1
36	HANDLE GRIP	7-0059	1
37	HANDLE	7-0078A01	1
38	TAG - IMPORTANT OIL PLUG	34-1067	1
39	DECAL - MI-T-M	34-2167	1
40	BOLT	27-0118	2
41	HOSE ASS'Y	851-0359	1
42	HOSE	15-0138	1
43	QUICK CONNECT	17-0006	1
-	DECAL SET	71-1012	1

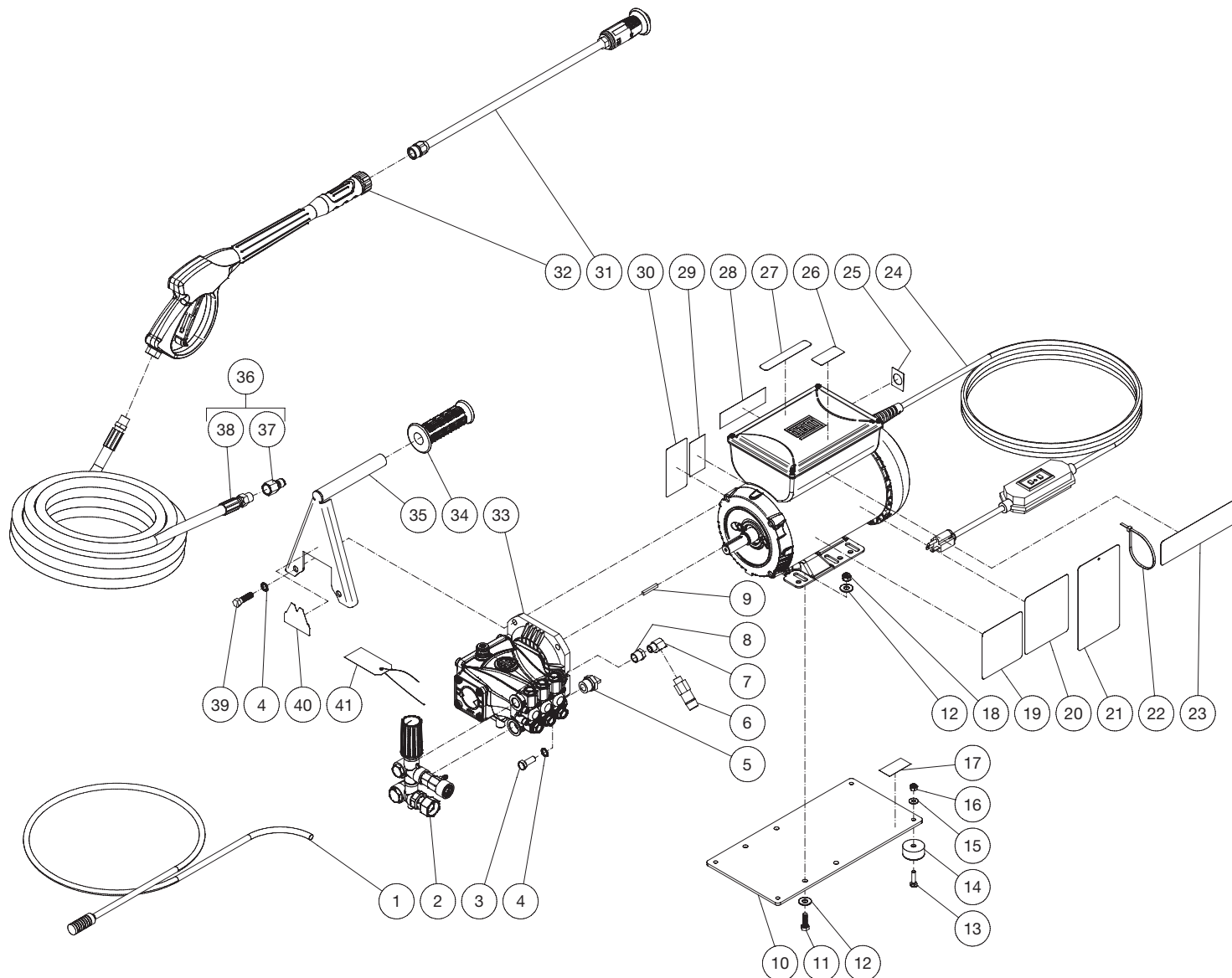
FRAME ASSEMBLY FOR CD-1002-3MUH AND CD-1502-3MUH (AFTER SERIAL #11063657)



Call for Parts 888-279-9274

CD-1002_1502-3MUH 101320 JRC			
FRAME ASSEMBLY			
ITEM	TITLE	PART #	QTY
1	DETERGENT HOSE	19-0233	1
2	UNLOADER	8-0635	1
3	BOLT	27-0117	2
4	LOCKWASHER	29-0155	4
5	RELIEF VALVE	22-0005	1
6	POP-OFF VALVE	22-0046	1
7	ELBOW	23-0014	1
8	REDUCER	23-0017	1
9	KEY	43-0072	1
10	BASEPLATE	5-0110A18	1
11	BOLT	27-0066	4
12	BOLT	27-0068	4
13	ISOLATOR	14-0008	4
14	LOCKNUT	30-0157	8
15	DECAL - MADE IN USA	34-3553	1
16	WASHER	28-0003	4
17	DECAL	N/A	1
-	DECAL (1502)	N/A	1
18	DECAL - CAUTION/IMPORTANT (SEE 71-1012)	N/A	1
19	TAG - WARNING RISK OF ELECTROCUTION	34-1035	1
20	CABLE TIE	33-0022	1
21	MOTOR ASSEMBLY (1002)	851-0247	1
-	MOTOR ASSEMBLY (1502)	851-0248	1
22	DECAL-ON/OFF (SEE 71-1012)	N/A	1
23	DECAL - WARNING RISK OF ELECTROCUTION (SEE 71-1012)	N/A	1
24	DECAL - PUMP INSTRUCTIONS (SEE 71-1012)	N/A	1
25	DECAL- MOBILE PRO	34-3576	1
26	DECAL - WARNING RISK OF INJECTION/EXPLOSION (SEE 71-1012)	N/A	1
27	DECAL- SILVER STICKER	N/A	1
28	LANCE (1002)	16-0413	1
-	LANCE (1502)	16-0412	1
29	GUN & WAND - 4000 PSI	16-0441	1
30	PUMP	3-0362	1
31	HANDLE GRIP	7-0059	1
32	HANDLE	7-0078A18	1
33	TAG - IMPORTANT OIL PLUG	34-1067	1
34	DECAL - Mi-T-M	34-2167	1
35	BOLT	27-0118	2
36	HOSE ASSEMBLY	851-0359	1
37	HOSE	15-0138	1
38	QUICK CONNECT	17-0006	1
-	DECAL SET	71-1012	1

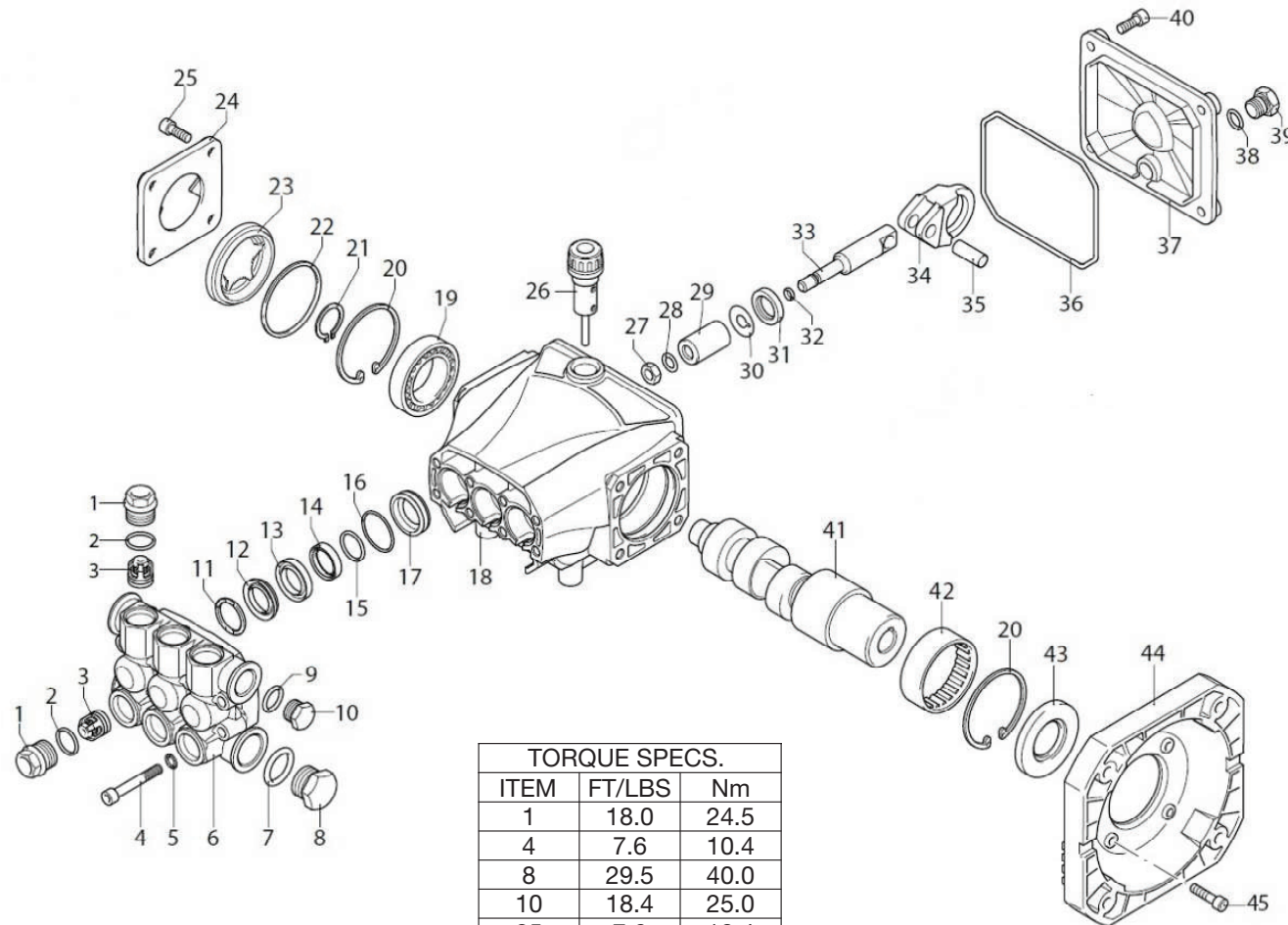
FRAME ASSEMBLY FOR CD-1002-3MUH AND CD-1502-3MUH (AFTER SERIAL #11370102)



Call for Parts 888-279-9274

CD-1002_1502-3MUH 070122 SMS			
FRAME ASSEMBLY			
ITEM	TITLE	PART #	QTY
1	DETERGENT HOSE	19-0233	1
2	UNLOADER	8-0635	1
3	BOLT	27-0117	2
4	LOCKWASHER	29-0155	4
5	RELIEF VALVE	22-0005	1
6	POP-OFF VALVE	22-0046	1
7	ELBOW	23-0014	1
8	REDUCER	23-0017	1
9	KEY	43-0072	1
10	BASEPLATE	5-0409A18	1
11	BOLT	27-0067	4
12	WASHER	28-0022	8
13	BOLT	27-0016	4
14	ISOLATOR	14-0069	4
15	WASHER	28-0002	4
16	LOCKNUT	30-0155	4
17	DECAL - MADE IN USA	34-3553	1
18	LOCKNUT	30-0157	4
19	DECAL - CAUTION/IMPORTANT (SEE 71-1078)	N/A	1
20	DECAL - WARNING RISK OF ELECTROCUTION (SEE 71-1078)	N/A	1
21	TAG - WARNING RISK OF ELECTROCUTION	N/A	1
22	CABLE TIE	33-0022	1
23	DECAL - WARNING RISK OF EXPL/ELEC/INJCT (SEE 71-1078)	N/A	1
24	MOTOR ASSY (1502)	851-0248	1
-	MOTOR ASSY (1002)	851-0247	1
25	DECAL-ON/OFF (SEE 71-1078)	N/A	1
26	DECAL - PUMP INSTRUCTIONS (SEE 71-1078)	N/A	1
27	DECAL - WARNING POTABLE WTR BACKFLOW (E/F/S) (SEE 71-1078)	N/A	1
28	DECAL (1002)	N/A	1
-	DECAL (1502)	N/A	1
29	DECAL- MOBILE PRO	34-4016	1
30	DECAL - SILVER STICKER	N/A	1
31	LANCE (1002)	16-0413	1
-	LANCE (1502)	16-0412	1
32	GUN & WAND - 4000 PSI	16-0441	1
33	PUMP	3-0362	1
34	HANDLE GRIP	7-0059	1
35	HANDLE	7-0288A18	1
36	HOSE ASSEMBLY	851-0359	1
37	QUICK CONNECT	17-0006	1
38	HOSE	15-0138	1
39	BOLT	27-0118	2
40	DECAL - Mi-T-M	34-2167	1
41	TAG - IMPORTANT OIL PLUG	N/A	1
-	DECAL SET	71-1078	1

PUMP ASSEMBLY (3-0362)



TORQUE SPECS.		
ITEM	FT/LBS	Nm
1	18.0	24.5
4	7.6	10.4
8	29.5	40.0
10	18.4	25.0
25	7.6	10.4
27	8.9	12.0
40	5.9	8.0

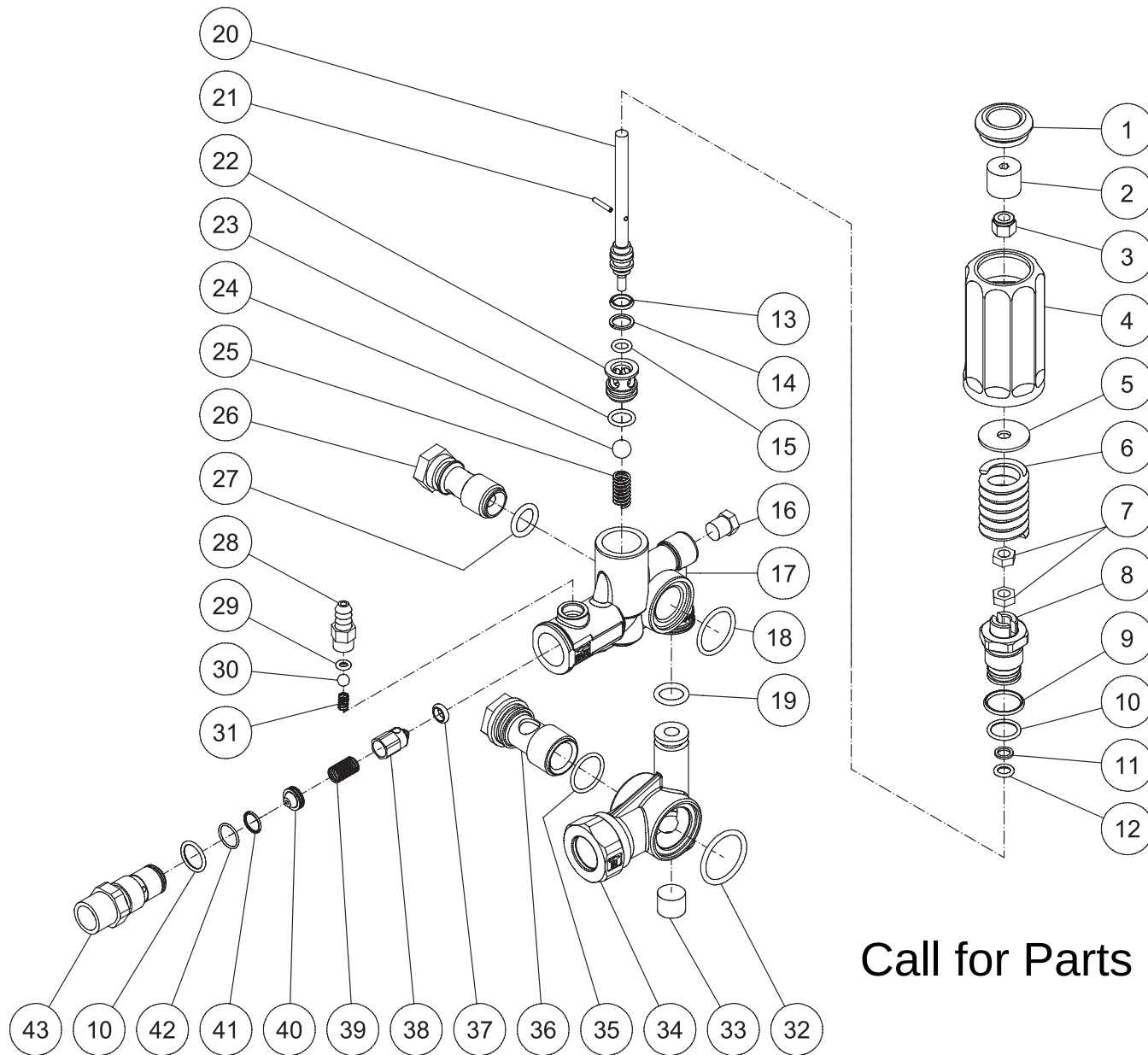
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PUMP ASSEMBLY

ITEM	DESCRIPTION	PART #	QTY		ITEM	DESCRIPTION	PART #	QTY
1	VALVE PLUG	39-0241	6		24	COVER	46-1453	1
2	O-RING (SEE KIT 70-0565)	25-0644	6		25	SCREW	27-8888	8
3	COMPLETE VALVE (SEE KIT 70-0609)	SEE KIT	6		26	OIL DIPSTICK	39-0254	1
4	SCREW	N/A	8		27	NUT	30-6016	3
5	WASHER	N/A	8		28	WASHER	26-0187	3
6	HEAD	N/A	1		29	PISTON (SEE KIT 70-0606)	SEE KIT	3
7	O-RING (SEE KIT 70-0565)	25-0372	1		30	SPACER	28-1027	3
8	PLUG	39-0202	1		31	SEAL (SEE KIT 70-0566)	26-0193	3
9	O-RING (SEE KIT 70-0565)	25-0510	1		32	O-RING (SEE KIT 70-0565)	25-0371	3
10	PLUG	39-0102	1		33	PISTON GUIDE	N/A	3
11	SUPPORT RING (SEE KIT 70-0460)	SEE KIT	3		34	CONNECTING ROD	N/A	3
12	GASKET (SEE KIT 70-0567)	SEE KIT	3		35	CONNECTING ROD PIN	46-0721	3
13	PACKING RETAINER	46-1449	3		36	O-RING (SEE KIT 70-0565)	SEE KIT	1
14	GASKET (SEE KIT 70-0567)	SEE KIT	3		37	REAR COVER	46-1455	1
15	RING (SEE KIT 70-0567)	SEE KIT	3		38	O-RING (SEE KIT 70-0565)	25-0387	1
16	O-RING (SEE KIT 70-0565 OR 70-0567)	25-0149	3		39	PLUG	39-0096	1
17	RETAINER	46-1450	3		40	SCREW	N/A	4
18	PUMP BODY	N/A	1		41	CRANKSHAFT	N/A	1
19	BEARING	48-0063	1		42	BEARING	N/A	1
20	SNAP RING	46-0676	2		43	SEAL (SEE KIT 70-0566)	26-0192	1
21	SNAP RING	46-0732	1		44	FLANGE	46-1460	1
22	O-RING (SEE KIT 70-0565)	SEE KIT	1		45	SCREW	N/A	4
23	OIL INDICATOR	46-1452	1					

PART KIT #	DESCRIPTION	ITEMS	# OF ASSEMBLIES	# OF CYLINDERS
70-0460	KIT - SUPPORT RING	11	3	3
70-0565	KIT - O-RINGS	2, 7, 9, 16, 22, 32, 36, 38	6, 1, 1, 3, 1, 1, 1, 1	3
70-0566	KIT - OIL SEALS	31, 43	3, 1	3
70-0606	KIT - PISTONS	29	3	3
70-0567	KIT - WATER SEALS	12, 14-16	3, 3	3
70-0609	KIT - VALVES	3	6	3

UNLOADER ASSEMBLY (8-0625)



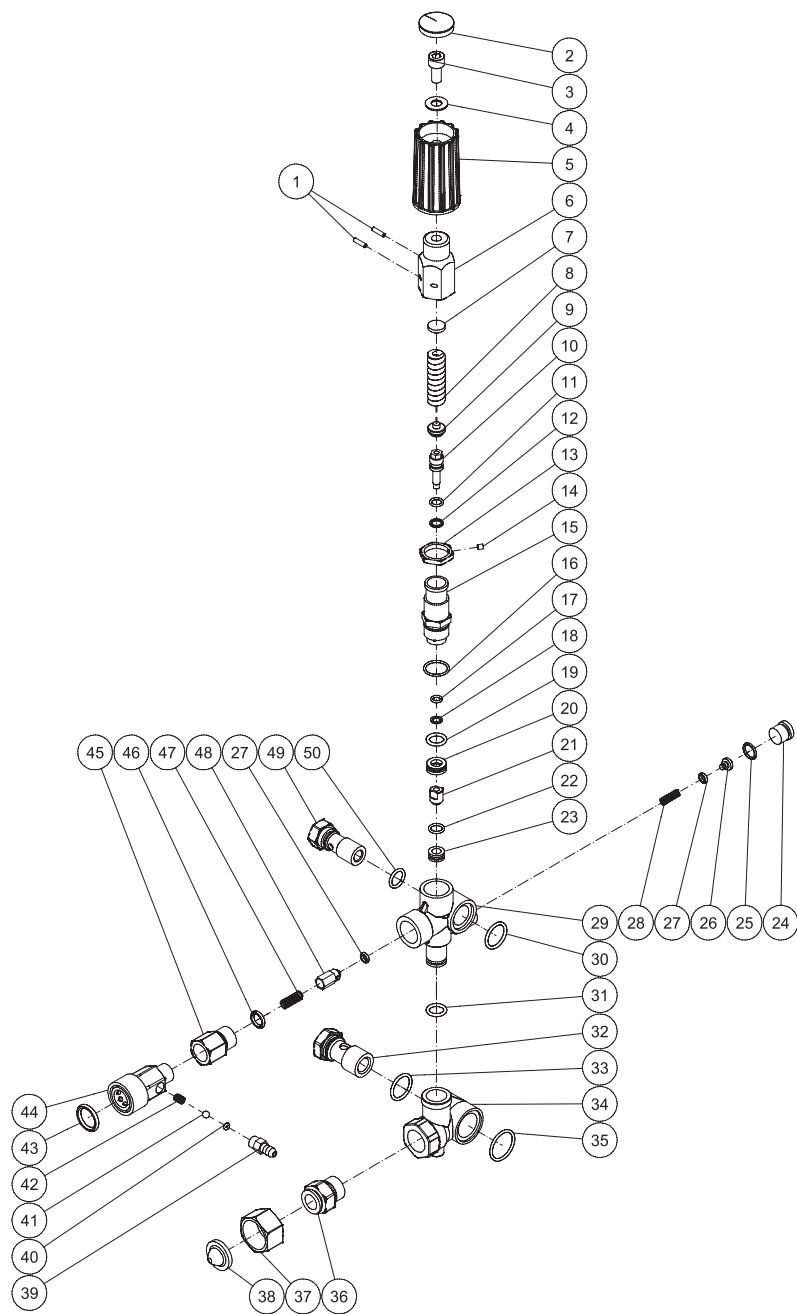
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8-0625 071911 MLK

UNLOADER ASSEMBLY

ITEM	DESCRIPTION	PART #	QTY		ITEM	DESCRIPTION	PART #	QTY
1	PLASTIC CAP	46-1461	1		23	O-RING	25-0255	1
2	BUSHING	46-1462	1		24	BALL	N/A	1
3	LOCKNUT	30-5018	1		25	SPRING	N/A	1
4	KNOB	7-0232	1		26	BANJO BOLT	8-0516	1
5	WASHER	28-0067	1		27	O-RING	25-0388	1
6	SPRING	N/A	1		28	HOSE BARB	46-0869	1
7	NUT	30-6024	2		29	O-RING	25-0371	1
8	PISTON GUIDE	N/A	1		30	BALL	8-0521	1
9	O-RING	25-0644	1		31	SPRING	8-0520	1
10	O-RING	25-0407	2		32	O-RING	25-0519	1
11	SPACER	N/A	1		33	PLUG	39-0363	1
12	O-RING	25-0502	1		34	BY-PASS HOUSING	N/A	1
13	O-RING	N/A	1		35	O-RING	25-0389	1
14	O-RING	25-0404	1		36	BANJO BOLT	8-0517	1
15	O-RING	25-0209	1		37	O-RING	25-0646	1
16	PLUG	39-0097	1		38	NON-RETURN VALVE	46-1249	1
17	VALVE HOUSING	N/A	1		39	SPRING	49-0167	1
18	O-RING	25-0370	1		40	ORIFICE	46-1250	1
19	O-RING	25-0527	1		41	O-RING	25-0500	1
20	THREADED PISTON	N/A	1		42	O-RING	25-0596	1
21	PIN	43-0139	1		43	DETERGENT INJECTOR	46-1251	1
22	SEAT	N/A	1			O-RING REPAIR KIT (INC. 9, 10, 12, 13, 15, 18, 19, 23, 27, 29, 32, 35, 37, 41, 42)	70-0583	

UNLOADER ASSEMBLY (8-0635)



8-0635 060216 CH

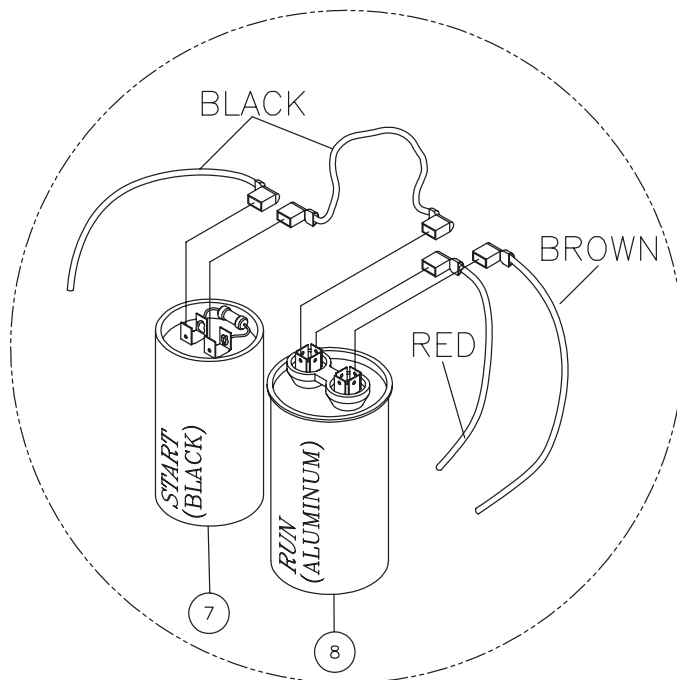
UNLOADER ASSEMBLY

ITEM	DESCRIPTION	PART #	QTY		ITEM	DESCRIPTION	PART #	QTY
1	SECURING PIN (SEE KIT 70-0659)	46-1602	2		26	SPRING BASE (SEE KIT 70-0658)	46-1603	1
2	CAP (SEE KIT 70-0659)	7-0260	1		27	O-RING (SEE KIT 70-0500 AND 70-0658)	25-0690	2
3	BOLT (SEE KIT 70-0659)	27-8431	1		28	SPRING (SEE KIT 70-0658)	46-1604	1
4	WASHER (SEE KIT 70-0659)	28-0003	1		29	VALVE HOUSING	46-1619	1
5	KNOB (SEE KIT 70-0659)	7-0259	1		30	O-RING	25-0664	1
6	KNOB (SEE KIT 70-0659)	SEE KIT	1		31	O-RING	25-0684	1
7	SPRING SEAT (SEE KIT 70-0659)	SEE KIT	1		32	INLET BANJO BOLT	8-0595	1
8	SPRING (SEE KIT 70-0659)	SEE KIT	1		33	O-RING	25-0602	1
9	SPRING SEAT (SEE KIT 70-0659)	SEE KIT	1		34	BY PASS HOUSING	46-1620	1
10	VALVE ROD (SEE KIT 70-0659)	SEE KIT	1		35	O-RING	25-0654	1
11	O-RING (SEE KIT 70-0659)	25-0651	1		36	INLET CONNECTOR (SEE KIT 23-0095)	SEE KIT	1
12	SUPPORT RING (SEE KIT 70-0659)	SEE KIT	1		37	SWIVEL NUT (SEE KIT 23-0095)	SEE KIT	1
13	JAM NUT (SEE KIT 70-0659)	SEE KIT	1		38	FILTER (SEE KIT 23-0095)	19-0001	1
14	SET SCREW (SEE KIT 70-0659)	8-0479	1		39	HOSE BARB (SEE KIT 70-0499)	46-0869	1
15	UNLOADER VALVE BODY (SEE KIT 70-0659)	SEE KIT	1		40	O-RING (SEE KIT 70-0293 AND 70-0499)	SEE KIT	1
16	O-RING (SEE KIT 70-0659)	25-0652	1		41	BALL (SEE KIT 70-0293 AND 70-0499)	SEE KIT	1
17	O-RING (SEE KIT 70-0659)	25-0163	1		42	SPRING (SEE KIT 70-0293 AND 70-0499)	SEE KIT	1
18	SUPPORT RING (SEE KIT 70-0659)	SEE KIT	1		43	O-RING	25-0123	1
19	O-RING (SEE KIT 70-0659)	25-0655	1		44	QC ADAPTER (SEE KIT 70-0499)	SEE KIT	1
20	BY PASS JET UNLOADER (SEE KIT 70-0659)	SEE KIT	1		45	OUTLET CONNECTOR	46-1389	1
21	BULLET (SEE KIT 70-0659)	SEE KIT	1		46	O-RING	25-0663	1
22	O-RING (SEE KIT 70-0659)	25-0656	1		47	SPRING (SEE KIT 70-0500)	SEE KIT	1
23	VALVE SEAT (SEE KIT 70-0659)	SEE KIT	1		48	CHECKING VALVE (SEE KIT 70-0500)	SEE KIT	1
24	PLUG (SEE KIT 70-0658)	39-0379	1		49	OUTLET BANJO BOLT	8-0594	1
25	O-RING (SEE KIT 70-0658)	25-0691	1		50	O-RING	25-0169	1

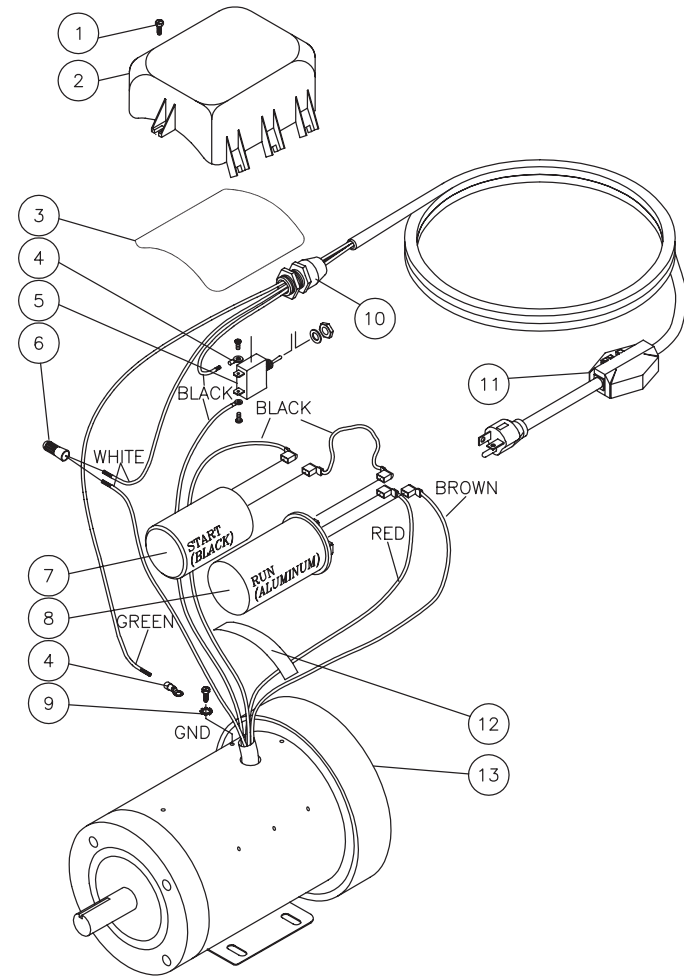
REPLACEMENT KITS

KIT #	DESCRIPTION	ITEMS	# OF ASSEMBLIES
23-0095	KIT - GARDEN HOSE INLET ASSY	36-38	1
70-0293	KIT - INJECTOR REPAIR	40-42	1
70-0499	KIT - OUTLET QC W/CHEM INJ	39-42, 44	1, 1
70-0500	KIT - NON-RETURN VALVE	47-48, 27	1
70-0658	KIT - EZ START	24-28	1
70-0659	KIT - UNLOADER REBUILD	1-23	1

MOTOR ASSEMBLY (851-0247 & 851-0248) (BEFORE SERIAL #11370102)

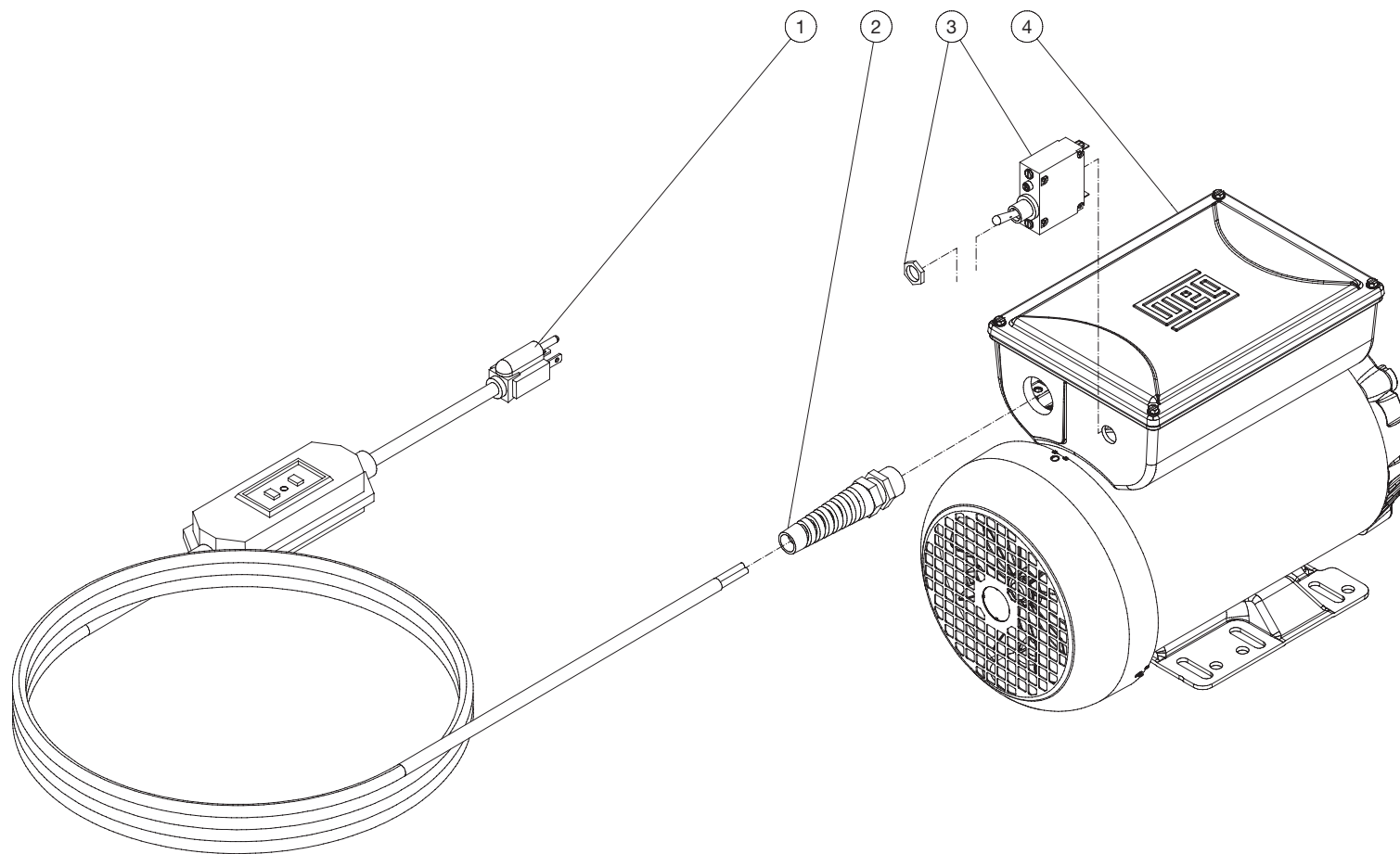


CAPACITOR TERMINAL ASSEMBLY



851-0247_851-0248 012011 RSW			
MOTOR ASSEMBLY			
REF. #	DESCRIPTION	PART #	QTY.
1	Hex Screw	27-8389	8
2	Motor Box	52-0041	1
3	O-ring	25-0338	1
4	Terminal	32-0099	2
5	Switch (20 Amp)	32-0348	1
6	Crimp Splice	32-0359	1
7	Starting Capacitor 1.5	32-0411	1
-	Starting Capacitor 2.0	32-0412	1
8	Running Capacitor	32-0413	1
9	Lockwasher	28-1009	1
10	Strain Relief	32-0407	1
11	GFCI Cord 20 Amp	32-0215	1
-	GFCI Cord 15 Amp	32-0268	1
12	Motor Box Strap	52-0042	1
13	Motor- 1.5 H.P. (See 851-0247)	2-0083	1
-	Motor- 2.0 H.P. (See 851-0248)	2-0084	1
	Complete Motor Assembly (Inc. 1-13)	851-0247	
	Complete Motor Assembly (Inc. 1-13)	851-0248	

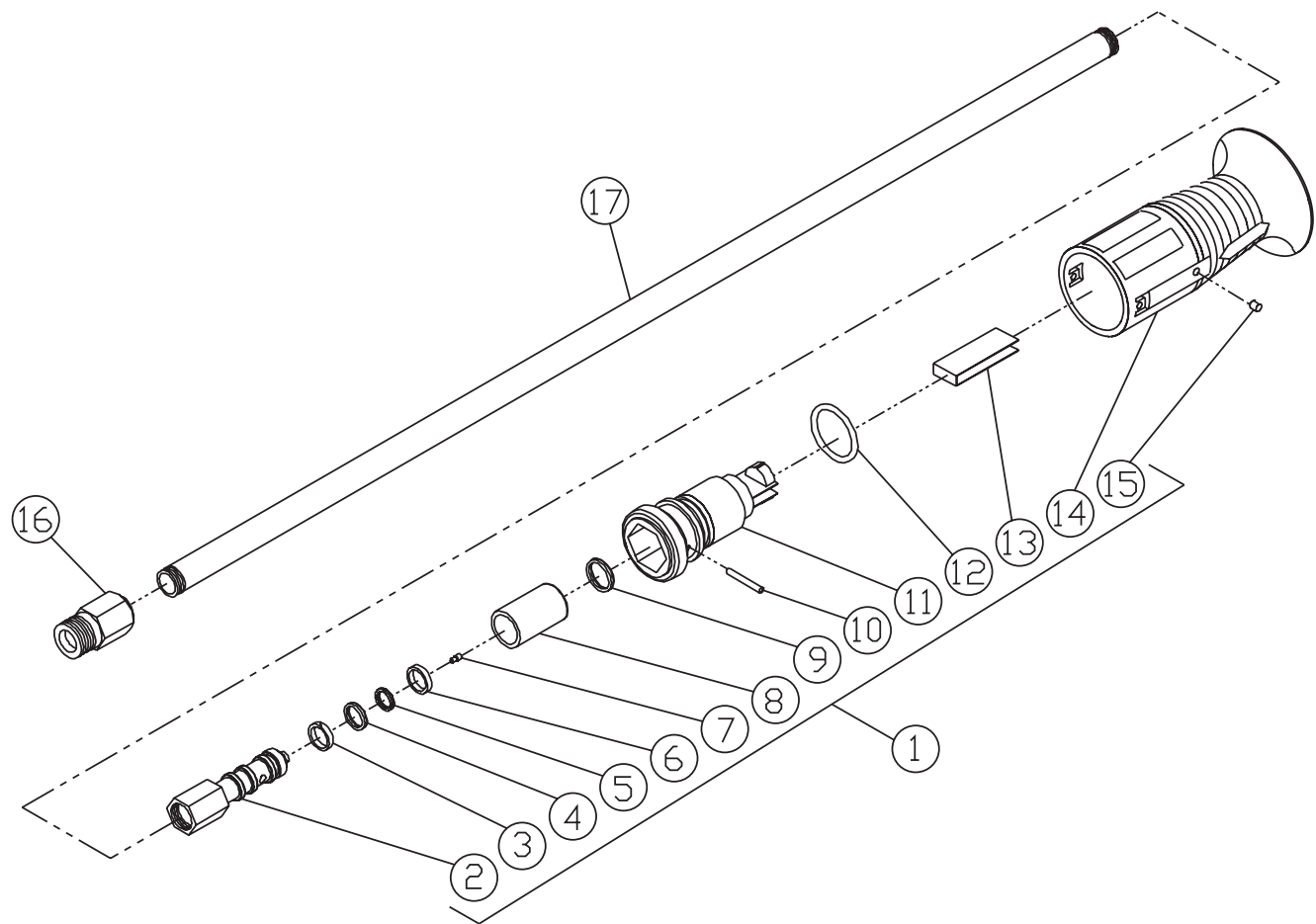
MOTOR ASSEMBLY (851-0247 & 851-0248) (AFTER SERIAL #11370102)



851-0247_0248 042922

851-0247_0248 042922			
MOTOR ASSEMBLY			
ITEM	TITLE	PART #	QTY
1	ELECTRIC CORD (851-0248)	32-0215	1
-	ELECTRIC CORD (851-0247)	32-0268	1
2	STRAIN RELIEF W/ PIGTAIL	32-0407	1
3	SWITCH (851-0248)	32-0348	1
-	SWITCH (851-0247)	32-0408	1
4	MOTOR 2HP (851-0248)	2-0209	1
-	MOTOR 1.5HP (851-0247)	2-0214	1

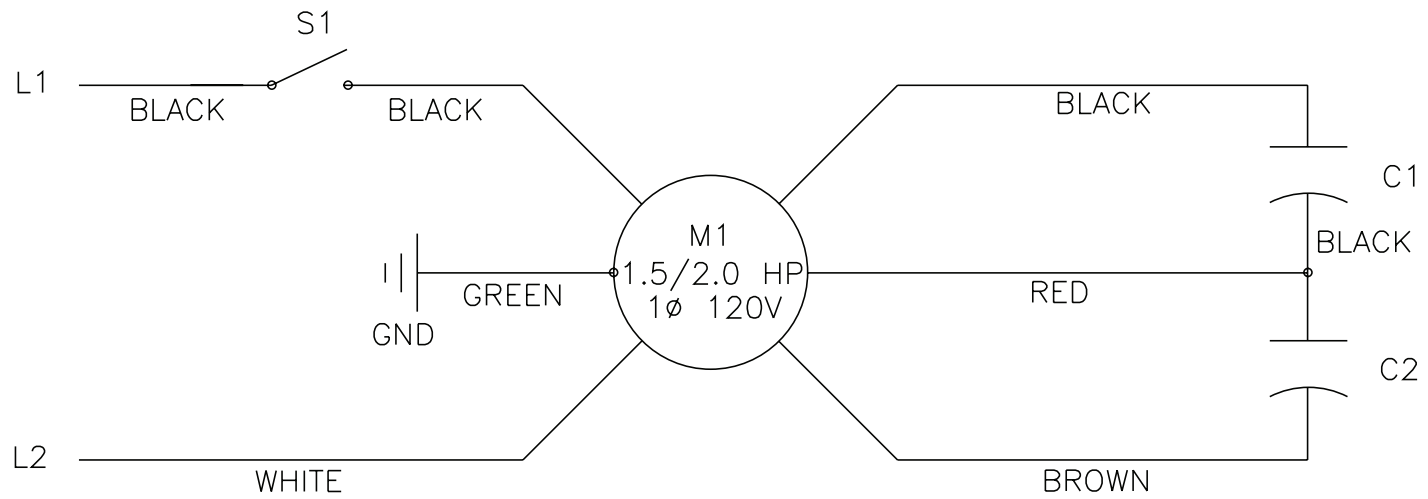
LANCE ASSEMBLY (16-0412 AND 16-0413)



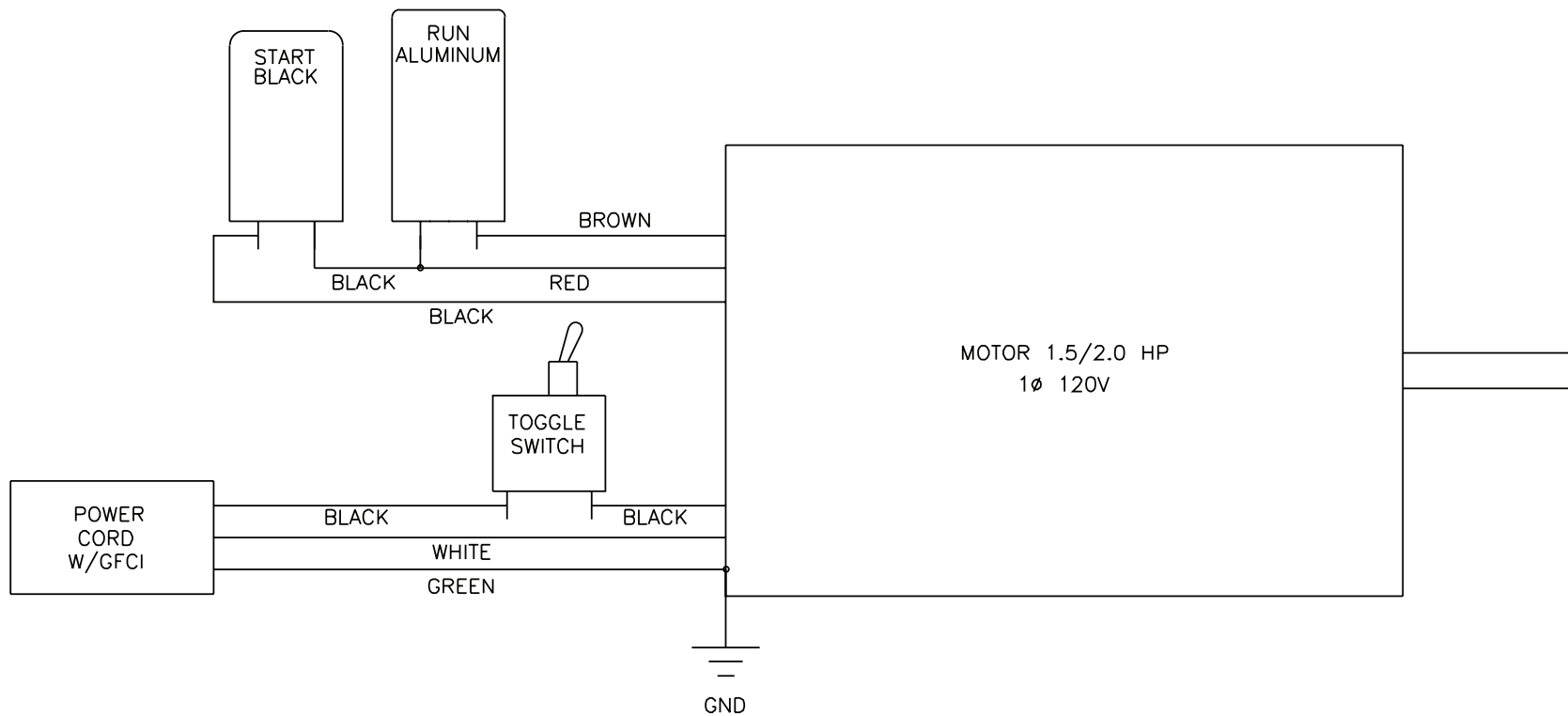
16-0381-0481103-DLG

LANCE ASSEMBLY (16-0412 AND 16-0413)								
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART #	QTY.
1	Nozzle Assembly (Inc. 2-15)	18-0274	1		11	Plastic Housing (See 18-0274)	N/A Sep.	1
2	Nozzle Body	18-0284	1		12	O-ring	25-0342	1
3	Back-up Ring	25-0346	1		13	Angle Plate	18-0283	1
4	O-ring	25-0345	1		14	Nozzle Protector	18-0353	1
5	O-ring	25-0343	1		15	I.D. Pin- 1.25mm	18-0287	1
6	Back-up Ring	25-0344	1		-	I.D. Pin- 1.40mm	18-0290	1
7	Nozzle- 1.25mm	16-0171	1		16	Coupling	16-0378	1
-	Nozzle- 1.40mm	16-0173	1		17	Pipe	16-0379	1
8	Sleeve (See 18-0274)	N/A Sep.	1			Repair Kit (Inc. 4-6, 13)	70-0303	
9	O-ring	25-0419	1			Complete Lance Assembly - 1.25mm (Inc. 1-17)	16-0412	
10	Pin	43-0083	1			Complete Lance Assembly - 1.40mm (Inc. 1-17)	16-0413	

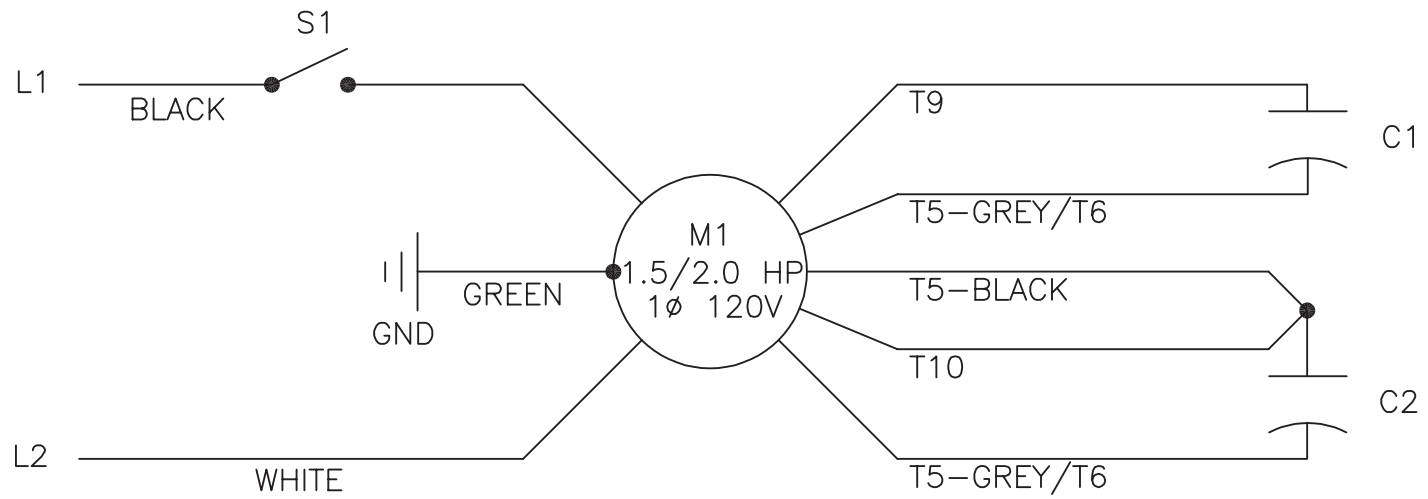
WIRING SCHEMATIC (BEFORE SERIAL #11370102)



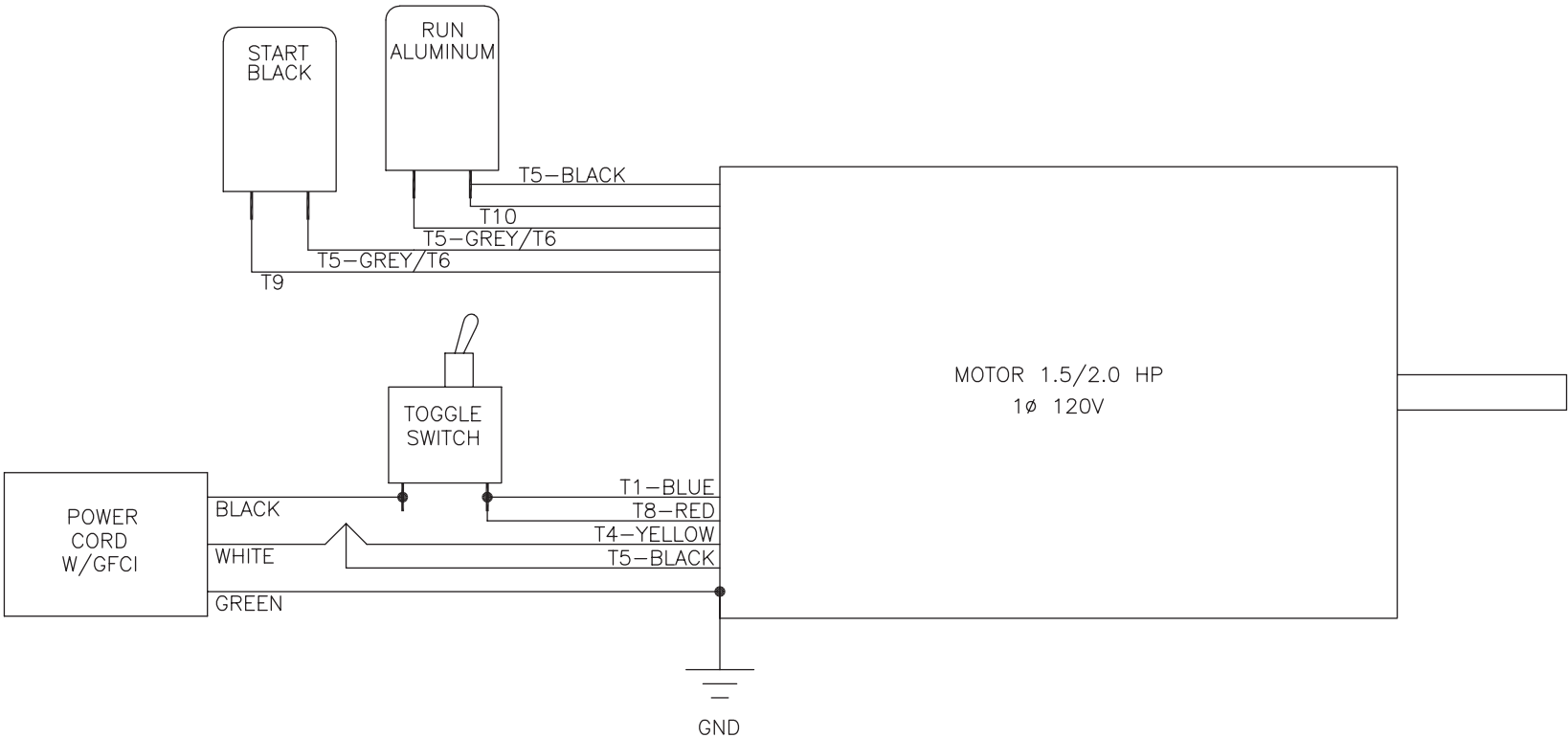
WIRING DIAGRAM (BEFORE SERIAL #11370102)



WIRING SCHEMATIC (AFTER SERIAL #11370102)



WIRING DIAGRAM (AFTER SERIAL #11370102)



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