Mi-T-M® CORPORATION

8650 Enterprise Drive, Peosta IA 52068
563-556-7484 / Fax 563-556-1235

PARTS LIST FOR

CW-4004-0ME3

(AFTER SERIAL #397220)

Motor Horsepower:	**15 HP**
Pump Oil Grade:	**Mi-T-M Pump Oil #AW-4085-0016**
Pump Oil Capacity:	**40.6 oz.**
Nozzle Size:	**4.0**

©Copyright 2002, Mi-T-M Corporation®

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**
FRAME ASSEMBLY FOR CW-4004-0ME3 ..... **4**
PUMP ASSEMBLY (3-0075) **6**
UNLOADER ASSEMBLY (8-0270) **8**
GUN ASSEMBLY (16-0001) **10**
CONTROL BOX ASSEMBLY (230 VOLT) **12**
WIRING SCHEMATIC **14**
WIRING DIAGRAM **15**
CONTROL BOX ASSEMBLY (CX-0057 OPTION) (460 VOLT) **16**
WIRING SCHEMATIC (460 VOLT) **18**
WIRING DIAGRAM (460 VOLT) **19**

©Copyright 2002, Mi-T-M Corporation®

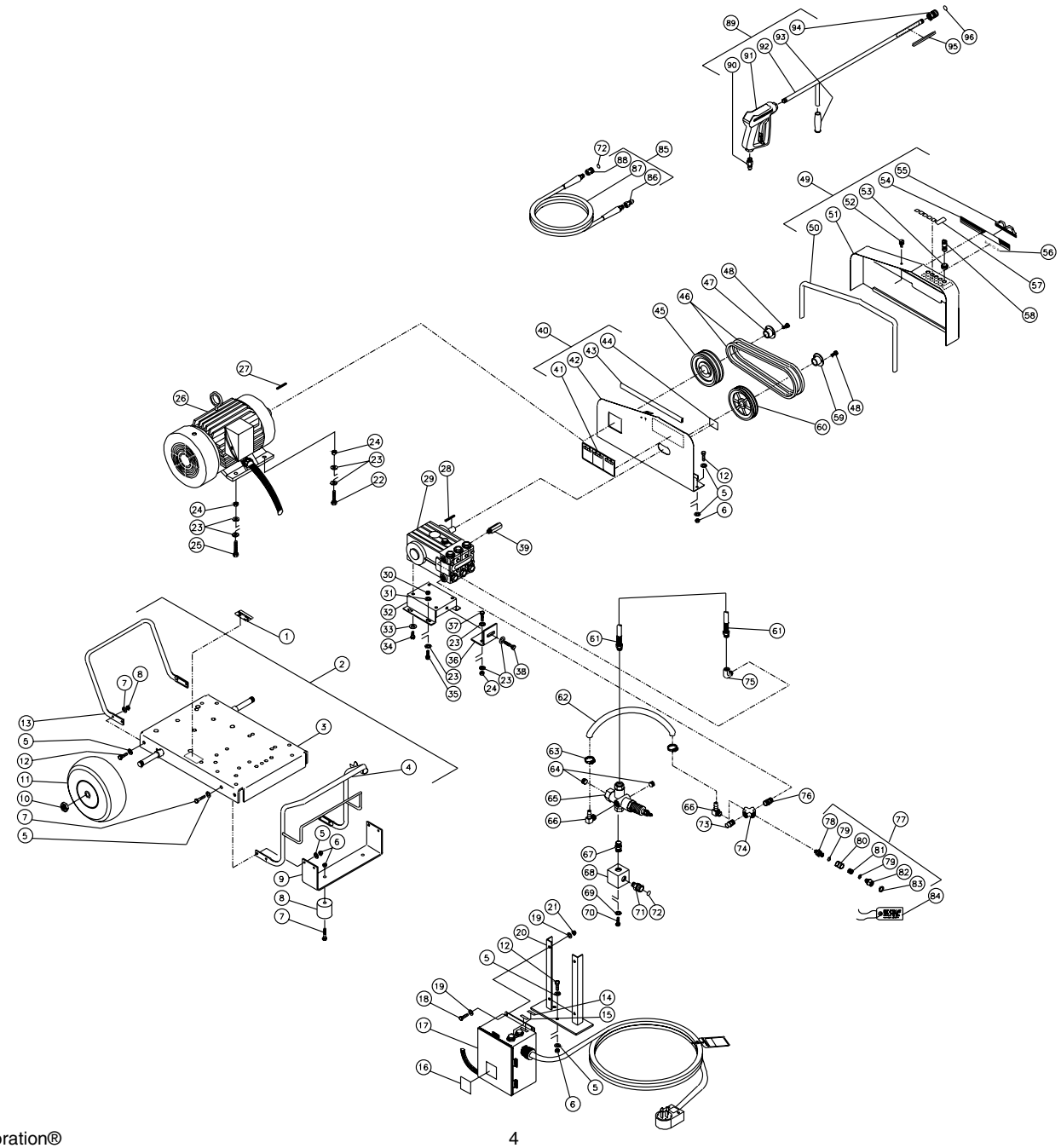
SPECIFICATIONS

CW-4004-0ME3

MODEL NUMBER	CW-4004-0ME3
Operating Pressure (PSI/Bar):	4000/275.8
High Pressure Nozzle:	4.0
Water Volume (GPM/lpm):	4.0/15.1
Motor:	Totally enclosed fan cooled, circuit breaker thermal overload protection, 35ft. power supply cord.
Horsepower	15.0
Voltage	230
Phase	Three
Amps	40
Pump:	Direct Driven, Oil Bath, Triplex Piston
Oil Type	Mi-T-M Pump Oil #AW-4085-0016
Oil Capacity (oz./liters)	40.6/1.2
Plungers	Ceramic Coated
Manifold	Forged Brass
Valves	Stainless Steel
Unloader	Preset
Heat Dump Valve	Relieves heated water during unloader bypass stage
Unit Net Weight w/Marathon (lbs/Kg)	370/168
Unit Shipping Weight w/Marathon (lbs/Kg)	511/232
Unit Net Weight w/Baldor (lbs/Kg)	415/188
Unit Shipping Weight w/Baldor (lbs/Kg)	556/252
Unit Net Dimension (in/cm)	45.5Lx32.5Wx30H/115.5Lx82.5Wx76.5H
Unit Shipping Dimension (in/cm)	48.5Lx30.5Wx35.5H/123Lx77.5Wx90H

©Copyright 2002, Mi-T-M Corporation®

FRAME ASSEMBLY FOR CW-4004-0ME3



CW-4004-0ME3-070201-RD

©Copyright 2002, Mi-T-M Corporation®

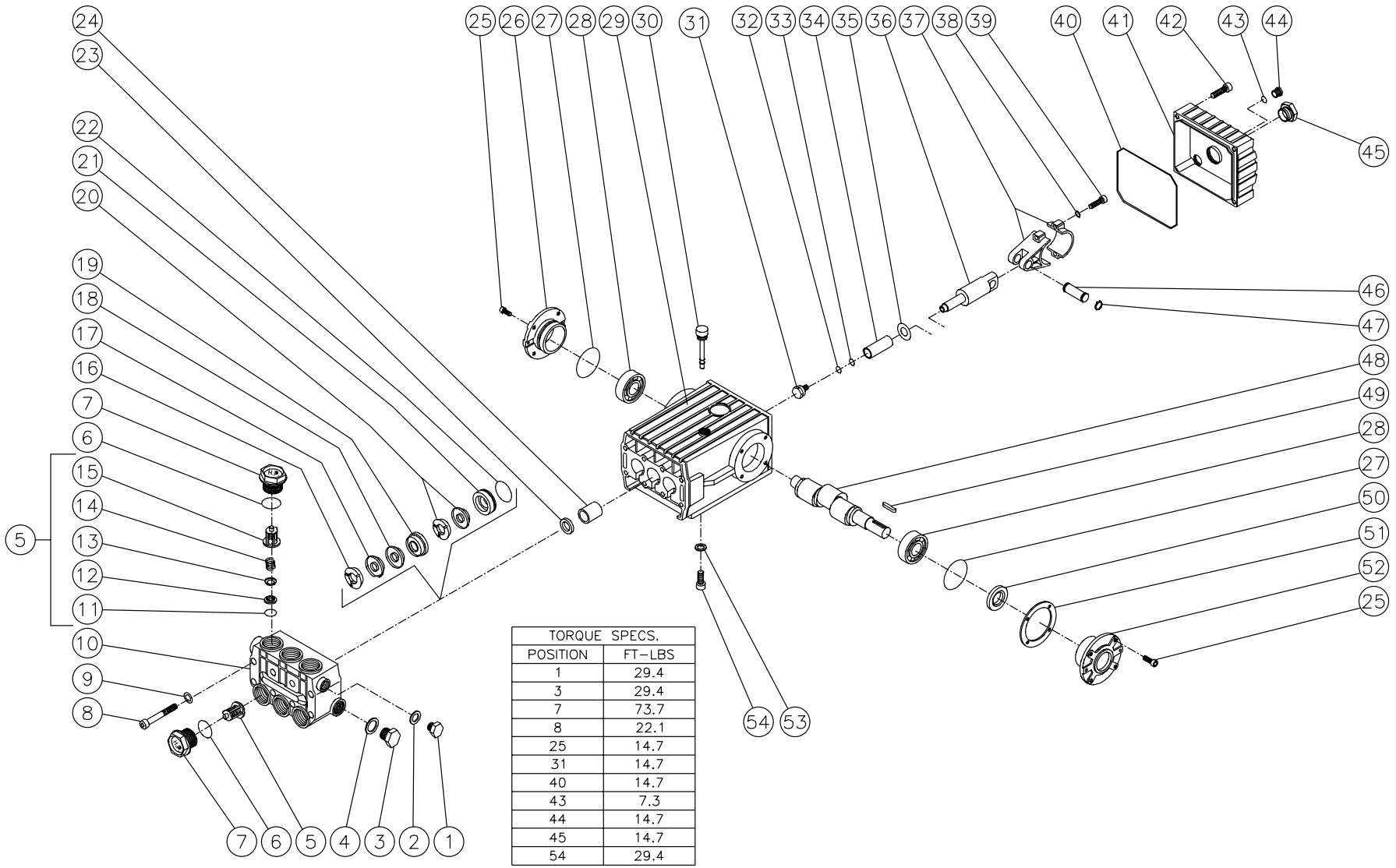
FRAME ASSEMBLY FOR CW-4004-0ME3

REF. #	DESCRIPTION	PART #	QTY.
1	Decal- Data Plate	N/A	1
2	Base Plate Assembly (Inc. 3-13)	851-0333	1
3	Base Plate	5-0137A01	1
4	Handle	7-0102A01	1
5	Washer	28-0003	30
6	Locknut	30-0157	17
7	Bolt	27-0068	6
8	Isolator	14-0008	2
9	Underbracket	13-0015A01	1
10	Jamnut	30-0117	2
11	Wheel	14-0006	2
12	Bolt	27-0067	11
13	Handle	7-0105A01	1
14	Decal- Stop	34-0249	1
15	Decal- Run	34-0250	1
16	Decal- Do not Spray	34-0391	1
17	Control Box - 230V (See Exploded Drawing)	N/A Sep.	1
18	Control Box - 480V (See Exploded Drawing)	N/A Sep.	1
19	Bolt	27-0015	4
-	Washer	28-0002	8
20	Bracket	13-0127A01	1
21	Locknut	30-0155	4
22	Bolt	27-0120	2
23	Washer	28-0023	17
24	Locknut	30-0159	6
25	Bolt	27-0119	2
26	Motor- 15 H.P.	2-0018	1
27	Key	43-0078	1
28	Key w/Pump	43-0028	1
29	Pump	3-0075	1
30	Locknut	30-0161	4
31	Washer	28-0030	4
32	Pump Bracket	5-0101A01	1
33	Washer w/Pump	29-0054	4
34	Bolt w/Pump	27-8042	4
35	Bolt	27-0166	4
36	Brace Tightener	13-0003A01	1
37	Bolt	27-0118	2
38	Bolt	27-0576	1
39	Safety Relief Valve	22-0319	1
40	Beltguard Back Assembly (Inc. 41-44)	851-0335	1
41	Decal- Warning/Caution/Operation	34-0925	1
42	Beltguard- Back (See 851-0335)	N/A Sep.	1
43	Edging *(Two Feet Required)	33-0020	1
44	Decal- Warning: Beltguard Cover	34-0575	1
45	Sheave	10-0106	1
46	Belt	11-0047	2
47	Bushing	9-0072	1
48	Bolt w/Bushing	27-0068	6
49	Beltguard Cover Assembly (Inc. 50-55)	850-0242	1
50	Edging *(Four Feet Required)	33-0020	1
51	Beltguard Cover (See 850-0242)	N/A Sep.	1
52	Fastner	33-0197	1
53	Grommet	33-0001	5
54	Decal- Mi-T-M Stripe	34-0501	1
55	Mi-T-M Logo	62-0087	1
56	Decal- Die Cut 4004	34-0261	1
57	Decal- Die Cut Nozzles	34-0500	1
58	Spray Nozzle- 0004	18-0028	1
-	Spray Nozzle- 1504	18-0029	1
-	Spray Nozzle- 2504	18-0030	1
-	Spray Nozzle- 4004	18-0031	1
59	Bushing	9-0073	1
60	Sheave	10-0108	1
61	Hose	15-0024	1
62	By-Pass Hose *(Two Feet Required)	15-0007	1
63	Hose Clamp	42-0011	2
64	Plug Fitting (See 8-0270)	N/A Sep.	2
65	Unloader	8-0270	1
66	Hose Barb Fitting	23-0053	2
67	Nipple Fitting	24-0031	1
68	Manifold Block	51-0012	1
69	Washer	29-0008	2
70	Bolt	27-0116	2
71	Quick Connect Socket	17-0029	1
72	O-ring (Replacement Only)	25-0123	-
73	Heat-Dump Valve	22-0005	1
74	Cross Fitting	23-0071	1
75	Fitting	24-0105	1
76	Nipple Fitting	23-0012	1
77	Filter Assembly (Inc. 78-83)	19-0206	1
78	Inlet Filter (See 19-0206)	N/A Sep.	1
79	O-ring	25-0517	2
80	Filter Sight Glass	19-0208	1
81	Strainer Screen	19-0209	1
82	Inlet Filter (See 19-0206)	N/A Sep.	1
83	Garden Hose Gasket	26-0001	1
84	Tag- Water Inlet Supply	34-0097	1
85	Pressure Hose Assembly (Inc. 86-88)	851-0006	1
86	Quick Connect Plug	17-0006	1
87	Pressure Hose	15-0004	1
88	Quick Connect Socket	17-0004	1
89	Gun/Wand Assembly (Inc. 90-94)	851-0095	1
90	Quick Connect Plug	17-0005	1
91	Gun	16-0001	1
92	Wand- w/ 36" Handle	16-0120A01	1
93	Grip Handle	7-0002	1
94	Quick Connect Socket	17-0001	1
95	Decal- Risk of Injection	34-0572	1
96	O-ring (Replacement Only)	25-0122	-

*Must Order in One Foot Lengths

©Copyright 2002, Mi-T-M Corporation®

PUMP ASSEMBLY (3-0075)



TORQUE SPECS.	
POSITION	FT-LBS
1	29.4
3	29.4
7	73.7
8	22.1
25	14.7
31	14.7
40	14.7
43	7.3
44	14.7
45	14.7
54	29.4

3-0075-102899-RD

©Copyright 2002, Mi-T-M Corporation®

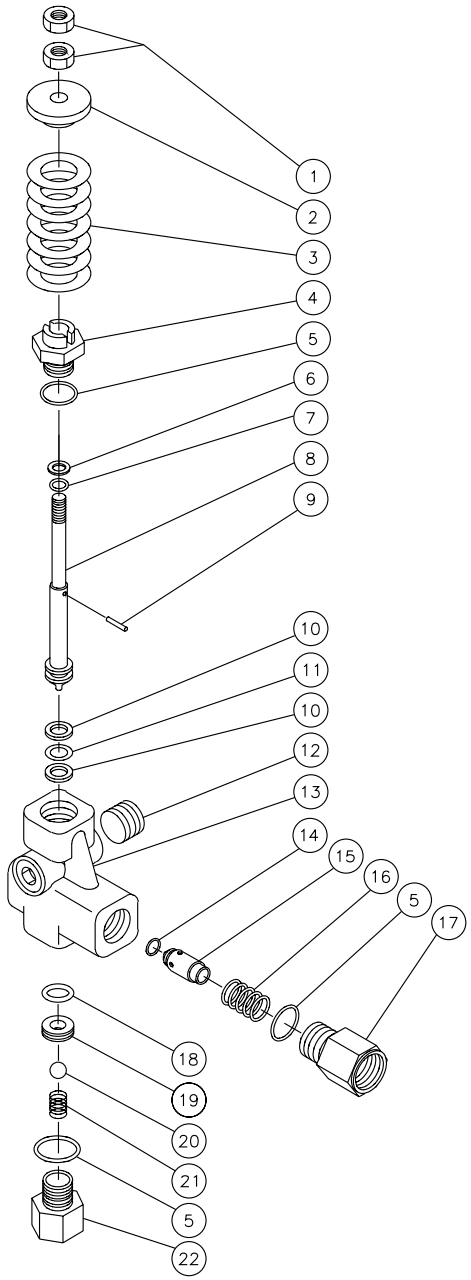
3-0075-102899-RD

PUMP ASSEMBLY (3-0075)

REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Plug	39-0018	1	21	Low Pressure Seal Retainer	46-0286	3	41	Crankcase Cover	46-0295	1
2	Washer	28-1002	1	22	O-ring	25-0015	3	42	Bolt	27-8404	5
3	Plug	39-0019	1	23	Oil Seal	26-0047	3	43	O-ring	25-0014	1
4	Washer	28-1038	1	24	Bushing	9-0029	3	44	Plug	39-0017	1
5	Valve Assembly (Inc. 11-15) (See 70-0009)	N/A Sep.	6	25	Bolt	27-8431	8	45	Oil Level Indicator	46-0114	1
6	O-ring	25-0012	6	26	Crankcase Cover	46-0336	1	46	Connecting Rod Pin	43-0032	3
7	Valve Plug	46-0282	6	27	O-ring	25-0013	2	47	Retaining Ring	46-0103	6
8	Bolt	27-8185	8	28	Bearing	48-0012	2	48	Crankshaft	46-0050	1
9	Flatwasher	28-1039	8	29	Crankcase	46-0292	1	49	Key	43-0048	1
10	Manifold	46-0291	1	30	Oil Dip Stick	46-0144	1	50	Oil Seal	26-0049	1
11	O-ring (See 70-0009)	N/A Sep.	6	31	Bolt	46-0285	3	51	Shim	46-0113	1
12	Valve Seat (See 70-0009)	N/A Sep.	6	32	O-ring	25-0138	3	52	Crankcase Open Cover	46-0296	1
13	Valve Plate (See 70-0009)	N/A Sep.	6	33	Back-up Ring	25-0137	3	53	Lockwasher	29-0055	4
14	Valve Spring (See 70-0009)	N/A Sep.	6	34	Plunger	46-0337	3	54	Bolt	27-8471	4
15	Valve Cage (See 70-0009)	N/A Sep.	6	35	Washer	46-0283	3		Valve Assembly (6 each 5, 11-15)	70-0009	
16	High Pressure Head Ring (See 70-0031)	N/A Sep.	3	36	Piston Rod	46-0294	3		Head Ring Kit (3 each 16)	70-0031	
17	High Pressure V-Packing(See 70-0042)	N/A Sep.	3	37	Connecting Rod	46-0051	3		V-Packing Kit (3 each 17, 18, 20)	70-0042	
18	V-Packing Support (See 70-0042)	N/A Sep.	3	38	Lockwasher	29-0154	6		V-Packing Assembly (3 each 16-20, 22)	852-0064	
19	High Pressure Intermediate Seal Retainer	46-0289	3	39	Bolt	27-8435	6				
20	Low Pressure Seal (See 70-0042)	N/A Sep.	3	40	O-ring Cover	25-0339	1				

©Copyright 2002, Mi-T-M Corporation®

UNLOADER ASSEMBLY (8-0270)



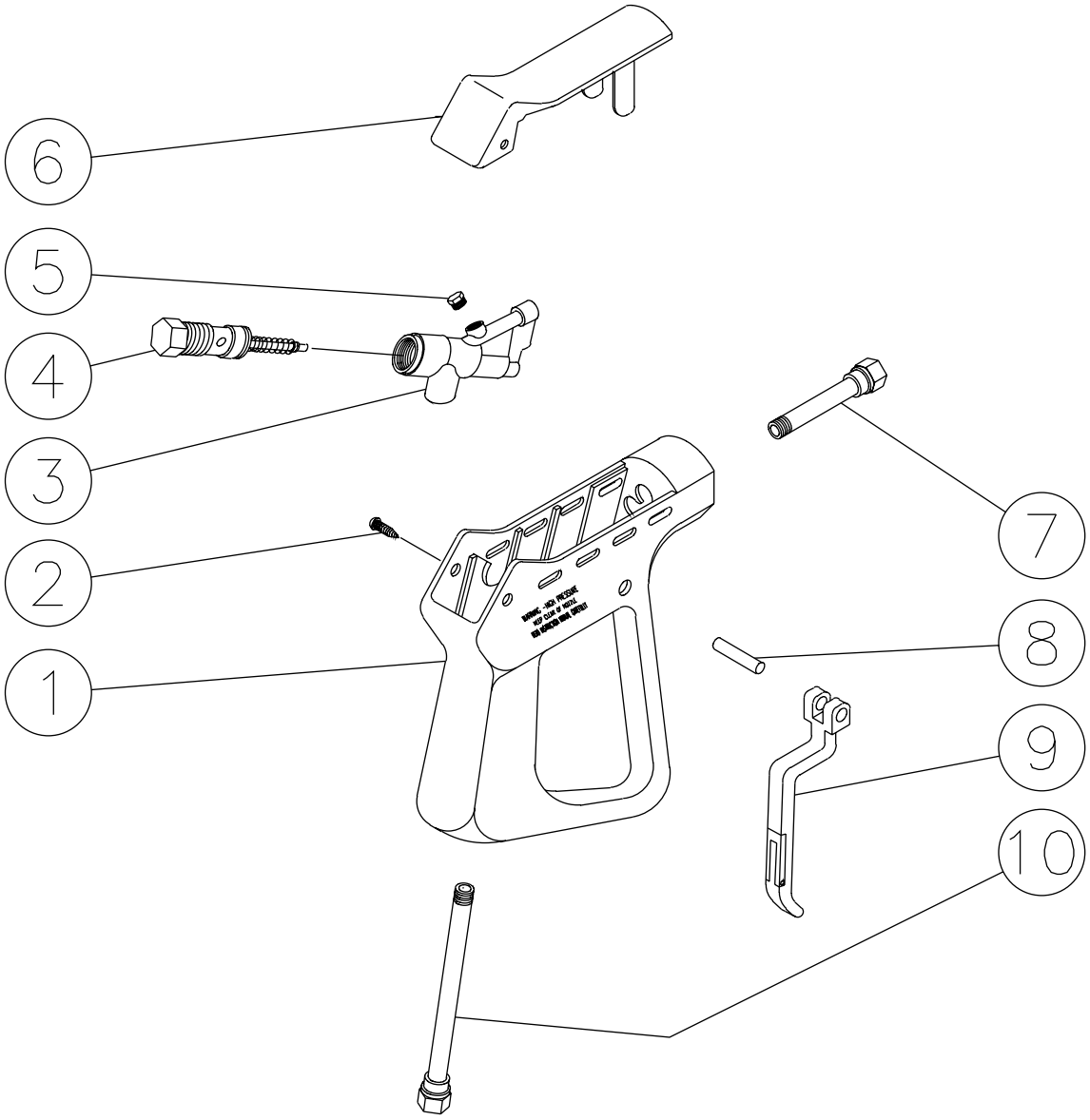
OMGEN043-083094-BAR

©Copyright 2002, Mi-T-M Corporation®

UNLOADER ASSEMBLY (8-0270)			
REF. #	**DESCRIPTION**	**PART #**	**QTY.**
1	Hex Nut	30-7203	2
2	Spring Guide	8-0278	1
3	Spring	49-0111	1
4	Piston Housing	8-0279	1
5	O-ring	25-0189	3
6	Back-up Ring	8-0277	1
7	O-ring	25-0192	1
8	Piston	8-0280	1
9	Pin	43-0059	1
10	Back-up Ring	8-0276	2
11	O-ring	25-0191	1
12	Plug	39-0055	2
13	Valve Housing	8-0275	1
14	O-ring	25-0193	1
15	Check Valve	22-0127	1
16	Spring	49-0058	1
17	Outlet Connection	8-0271	1
18	O-ring	25-0190	1
19	Seat	8-0272	1
20	Ball	8-0273	1
21	Spring	49-0059	1
22	Inlet Connection	8-0274	1
	Unloader Kit (5-7, 10, 11, 14, 18-20)	70-0107	1

©Copyright 2002, Mi-T-M Corporation®

GUN ASSEMBLY (16-0001)



16-0001-110399-RD

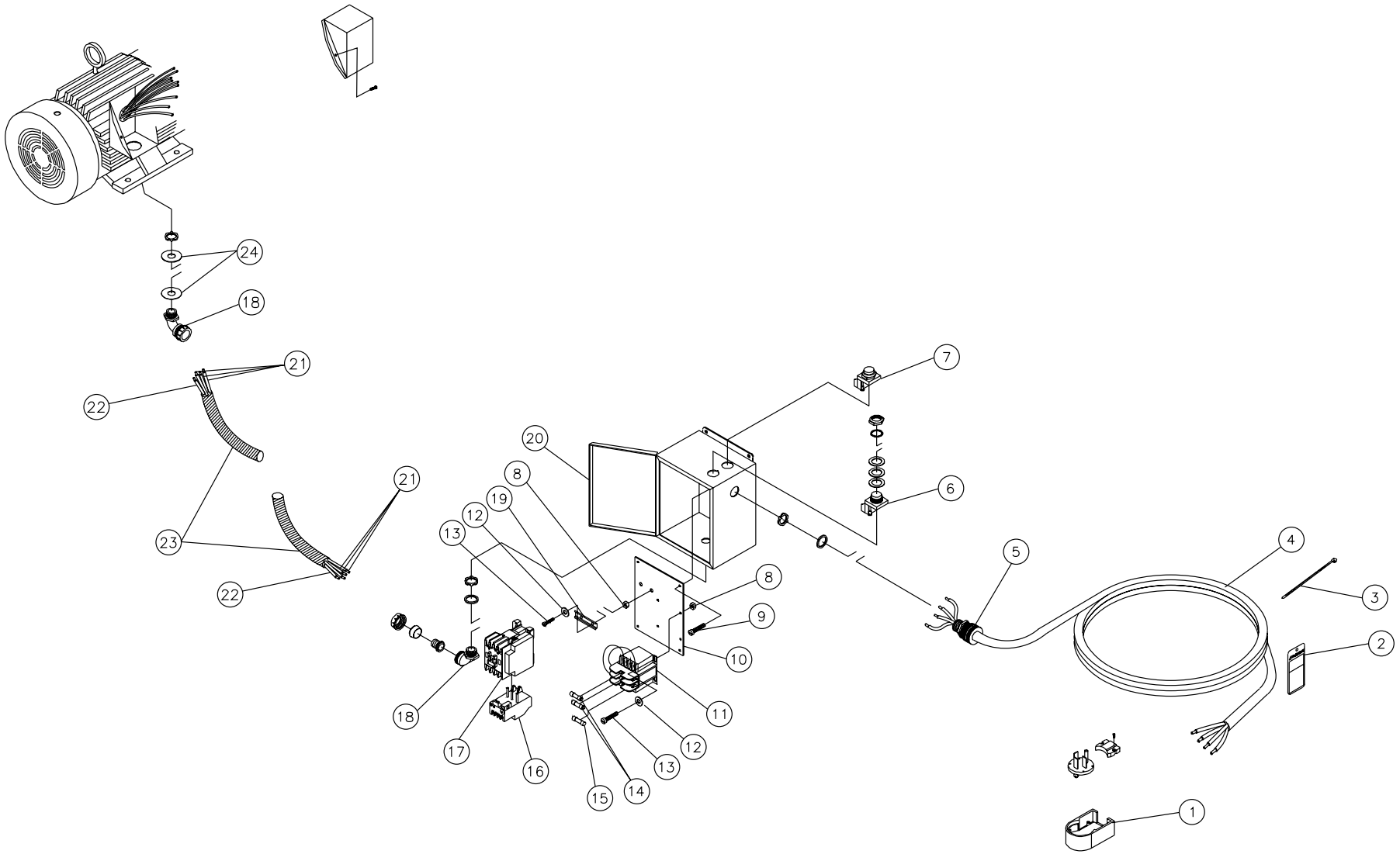
©Copyright 2002, Mi-T-M Corporation®

16-0001-110399-RD

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

©Copyright 2002, Mi-T-M Corporation®

CONTROL BOX ASSEMBLY (230 VOLT)



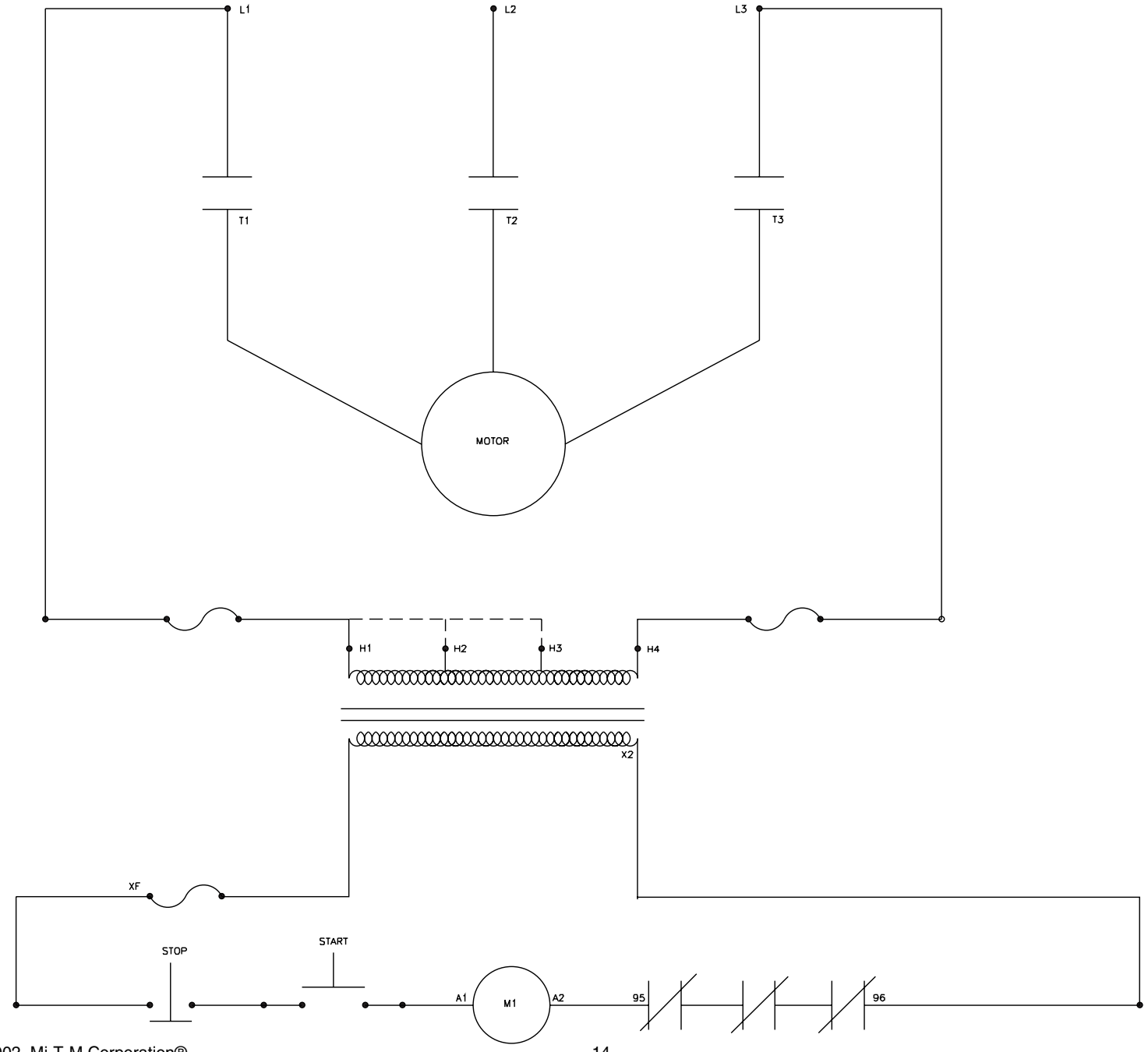
CW-A-0001-081399-RD

©Copyright 2002, Mi-T-M Corporation®

CONTROL BOX ASSEMBLY (230 VOLT)			
REF #	**DESCRIPTION**	**PART #**	**QTY**
1	Plug	32-0647	1
2	Tag- Warning: Risk of Electrocution	34-0330	1
3	Cable Tie	33-0022	1
4	Cord *(Ten Feet Required)	32-0123	1
5	Cord Strain Relief	32-0040	1
6	Switch- Red	32-0306	1
7	Switch- Green	32-0305	1
8	Locknut	30-8152	6
9	Bolt (See 32-0455)	N/A Sep.	4
10	Panel	32-0456	1
11	Transformer	32-0618	1
12	Washer	28-0010	6
13	Bolt	27-8927	6
14	Fuse- 600V	32-0469	2
15	Fuse- 125V	32-0619	1
16	Overload Relay	32-0490	1
17	Contactor	32-0598	1
18	Conduit	32-0487	2
19	Din Rail *(One Foot Required)	32-0316	1
20	Control Box	32-0455	1
21	Wire- Black *(Six Feet Required)	32-0501	1
22	Wire- Green *(Two Feet Required)	32-0622	1
23	Conduit *(One Foot Required)	32-0486	1
24	Washer	32-0648	2
*Must Order in One Foot Lengths			

©Copyright 2002, Mi-T-M Corporation®

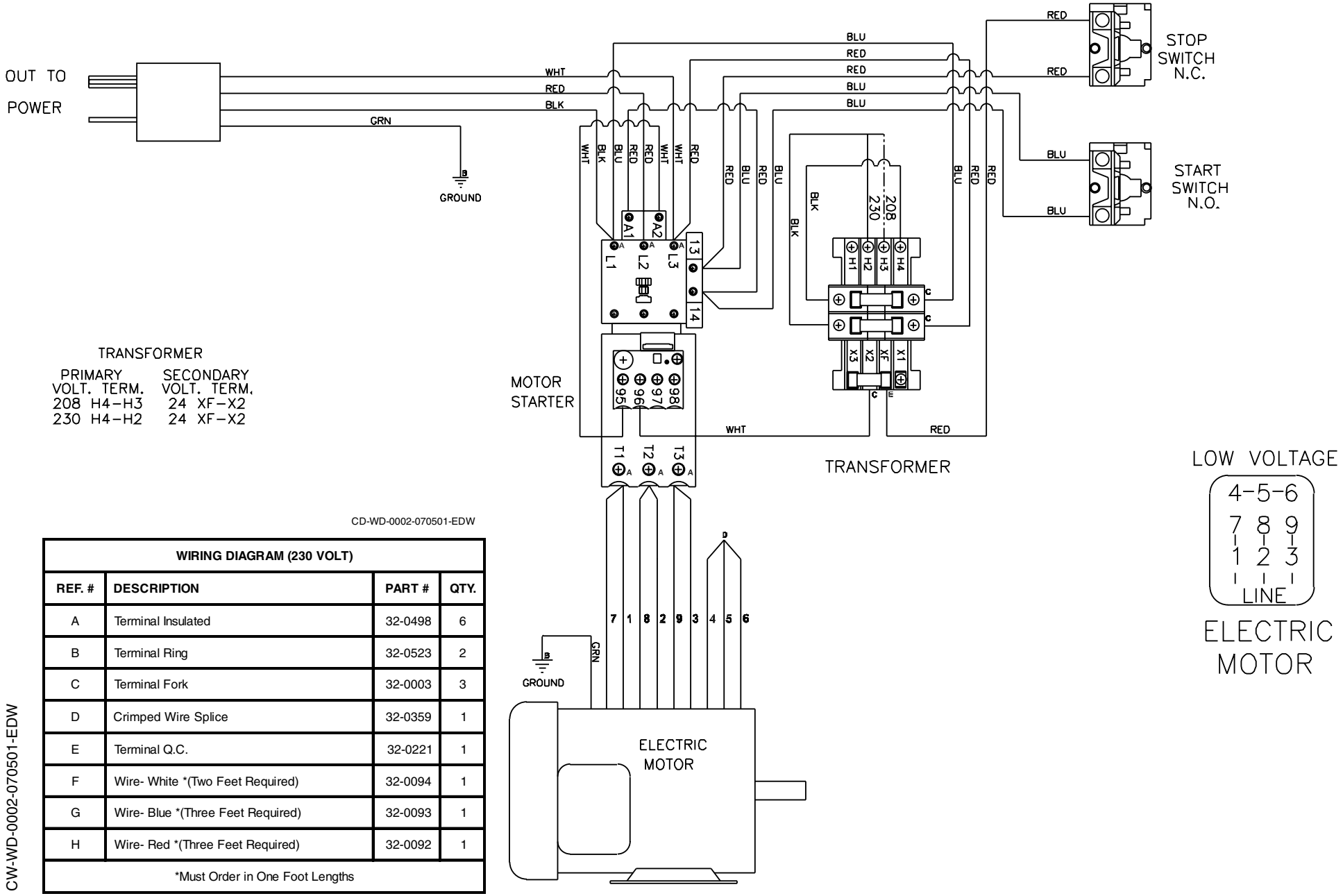
WIRING SCHEMATIC



CW-WD-0001-112700-RD

©Copyright 2002, Mi-T-M Corporation®

WIRING DIAGRAM



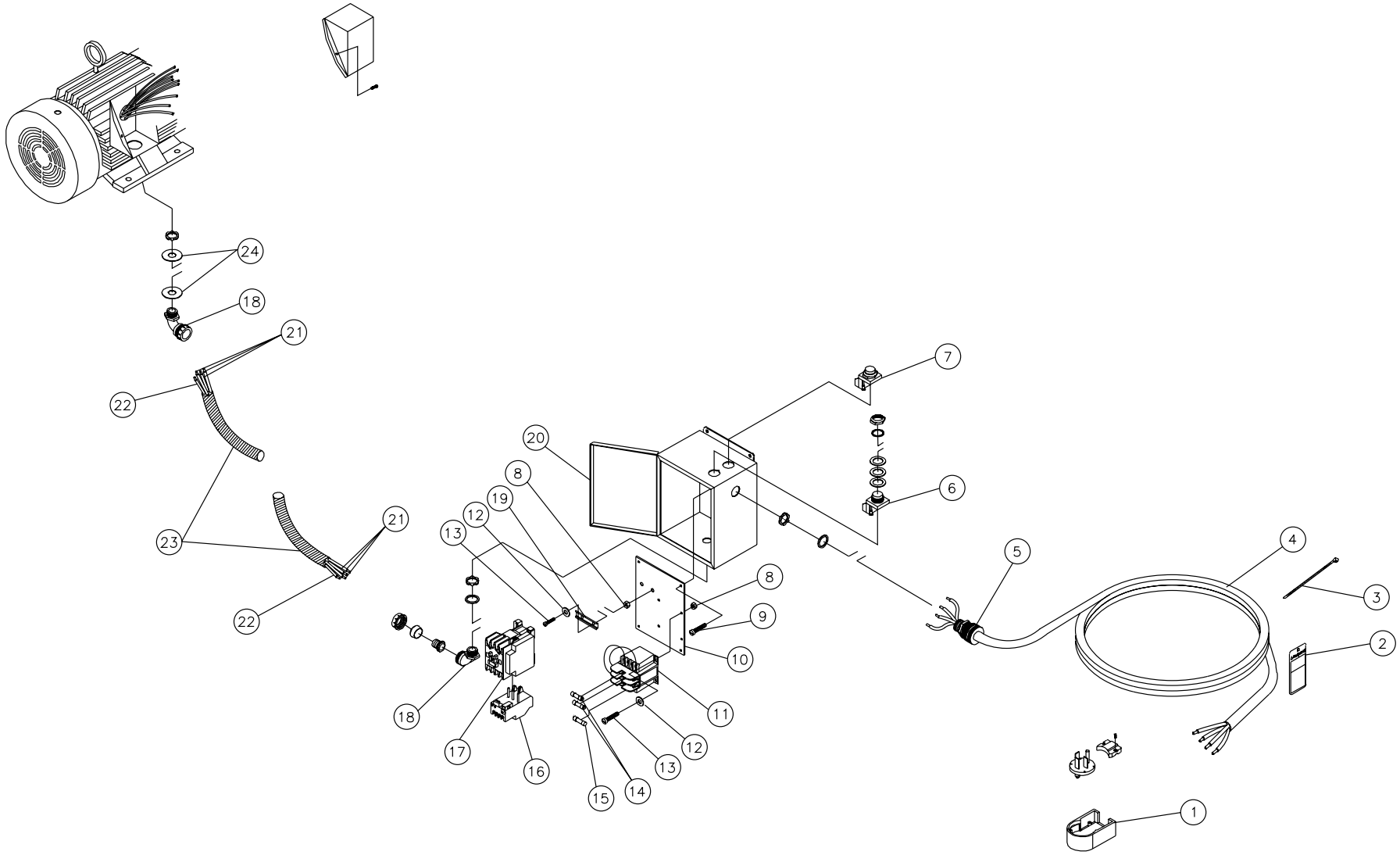
CD-WD-0002-070501-EDW

WIRING DIAGRAM (230 VOLT)			
REF. #	**DESCRIPTION**	**PART #**	**QTY.**
A	Terminal Insulated	32-0498	6
B	Terminal Ring	32-0523	2
C	Terminal Fork	32-0003	3
D	Crimped Wire Splice	32-0359	1
E	Terminal Q.C.	32-0221	1
F	Wire- White *(Two Feet Required)	32-0094	1
G	Wire- Blue *(Three Feet Required)	32-0093	1
H	Wire- Red *(Three Feet Required)	32-0092	1
*Must Order in One Foot Lengths			

CW-WD-0002-070501-EDW

©Copyright 2002, Mi-T-M Corporation®

CONTROL BOX ASSEMBLY (CX-0057 OPTION) (460 VOLT)



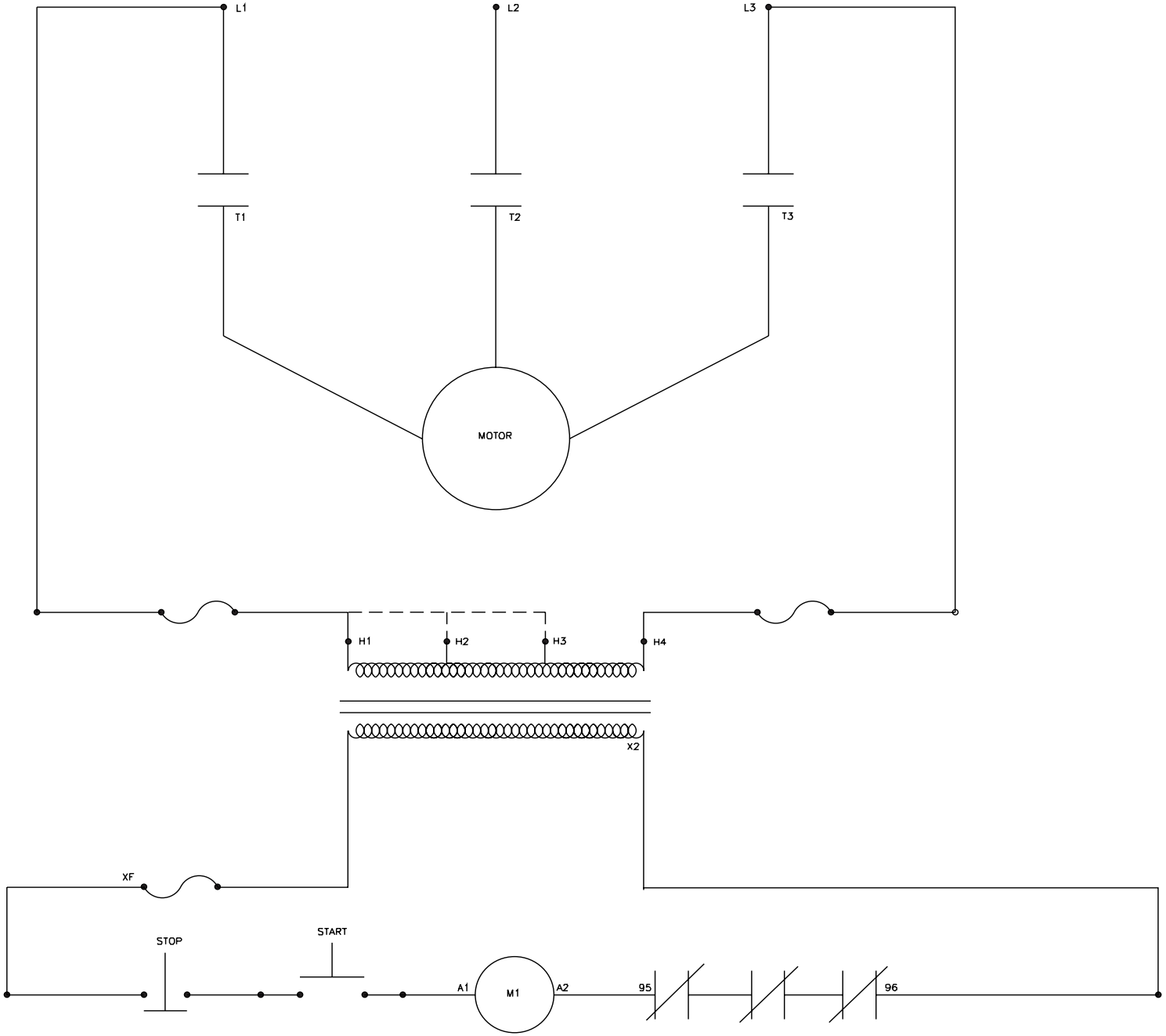
CW-A-0002-060899-RD

©Copyright 2002, Mi-T-M Corporation®

CONTROL BOX ASSEMBLY (CX-0057 OPTION) (460 VOLT)							
REF #	**DESCRIPTION**	**PART #**	**QTY**	**REF #**	**DESCRIPTION**	**PART #**	**QTY**
1	Plug	32-0146	1	14	Fuse- 600V	32-0325	2
2	Tag- Warning: Risk of Electrocution	34-0330	1	15	Fuse- 125V	32-0323	1
3	Cable Tie	33-0022	1	16	Overload Relay	32-0483	1
4	Cord *(Ten Feet Required)	32-0023	1	17	Contactor	32-0597	1
5	Cord Strain Relief	9-0046	1	18	Conduit	32-0487	2
6	Switch- Red	32-0306	1	19	Din Rail *(One Foot Required)	32-0316	1
7	Switch- Green	32-0305	1	20	Control Box	32-0455	1
8	Locknut	30-8152	6	21	Wire- Black *(Six Feet Required)	32-0501	1
9	Bolt (See 32-0455)	N/A Sep.	4	22	Wire- Green *(Two Feet Required)	32-0622	1
10	Panel	32-0456	1	23	Conduit *(One Foot Required)	32-0486	1
11	Transformer	32-0313	1	24	Washer	32-0648	2
12	Washer	28-0010	6	*Must Order in One Foot Lengths			
13	Bolt	27-8927	6				

©Copyright 2002, Mi-T-M Corporation®

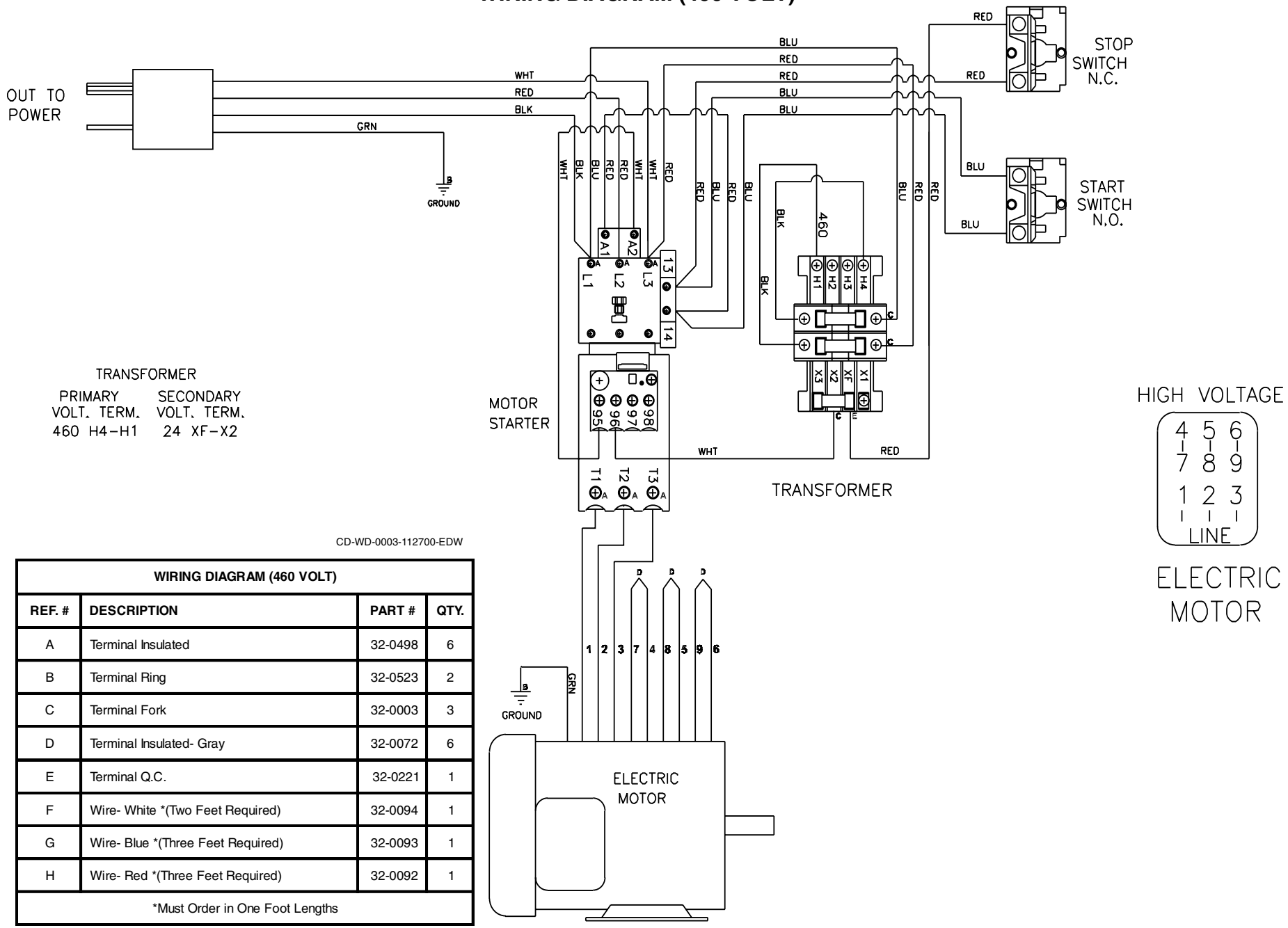
WIRING SCHEMATIC (460 VOLT)



CW-WD-0001-112700-RD

©Copyright 2002, Mi-T-M Corporation®

WIRING DIAGRAM (460 VOLT)



CD-WD-0003-112700-EDW

WIRING DIAGRAM (460 VOLT)			
REF. #	**DESCRIPTION**	**PART #**	**QTY.**
A	Terminal Insulated	32-0498	6
B	Terminal Ring	32-0523	2
C	Terminal Fork	32-0003	3
D	Terminal Insulated- Gray	32-0072	6
E	Terminal Q.C.	32-0221	1
F	Wire- White *(Two Feet Required)	32-0094	1
G	Wire- Blue *(Three Feet Required)	32-0093	1
H	Wire- Red *(Three Feet Required)	32-0092	1
*Must Order in One Foot Lengths			

CW-WD-0003-112700-EDW

©Copyright 2002, Mi-T-M Corporation®

©Copyright 2002, Mi-T-M Corporation®