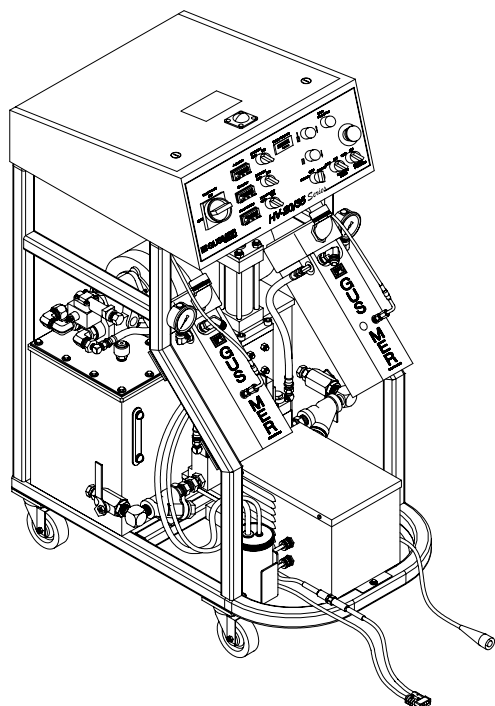




HV-20/35 Series Proportioning Unit with AmpLok[®] Parts Identification Manual 63942-ID

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Issue 2

GUSMER CORPORATION[®]

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In the event Product is suspected to be defective in material or workmanship, it must be returned to Gusmer, freight prepaid. If Product is found to be defective in material or workmanship, as determined solely by Gusmer, Gusmer will issue full credit to Customer for the freight charges incurred in returning the defective Product, and either credit will be issued for the replacement cost of the Product or a replacement part will be forwarded no-charge, freight prepaid to Customer.

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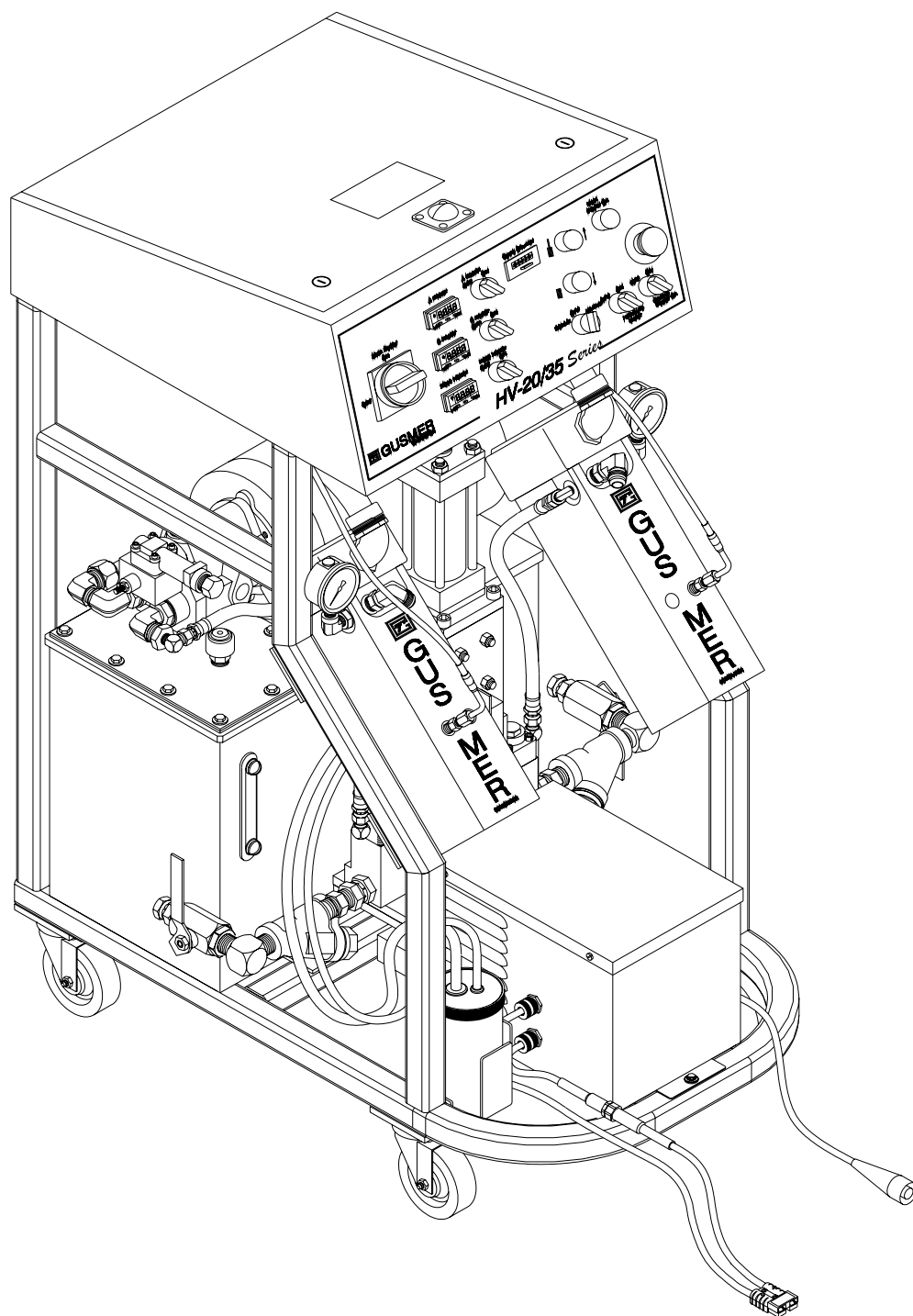
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Revised 09/02

PROPORTIONING UNIT ASSEMBLIES



FINAL ASSEMBLY

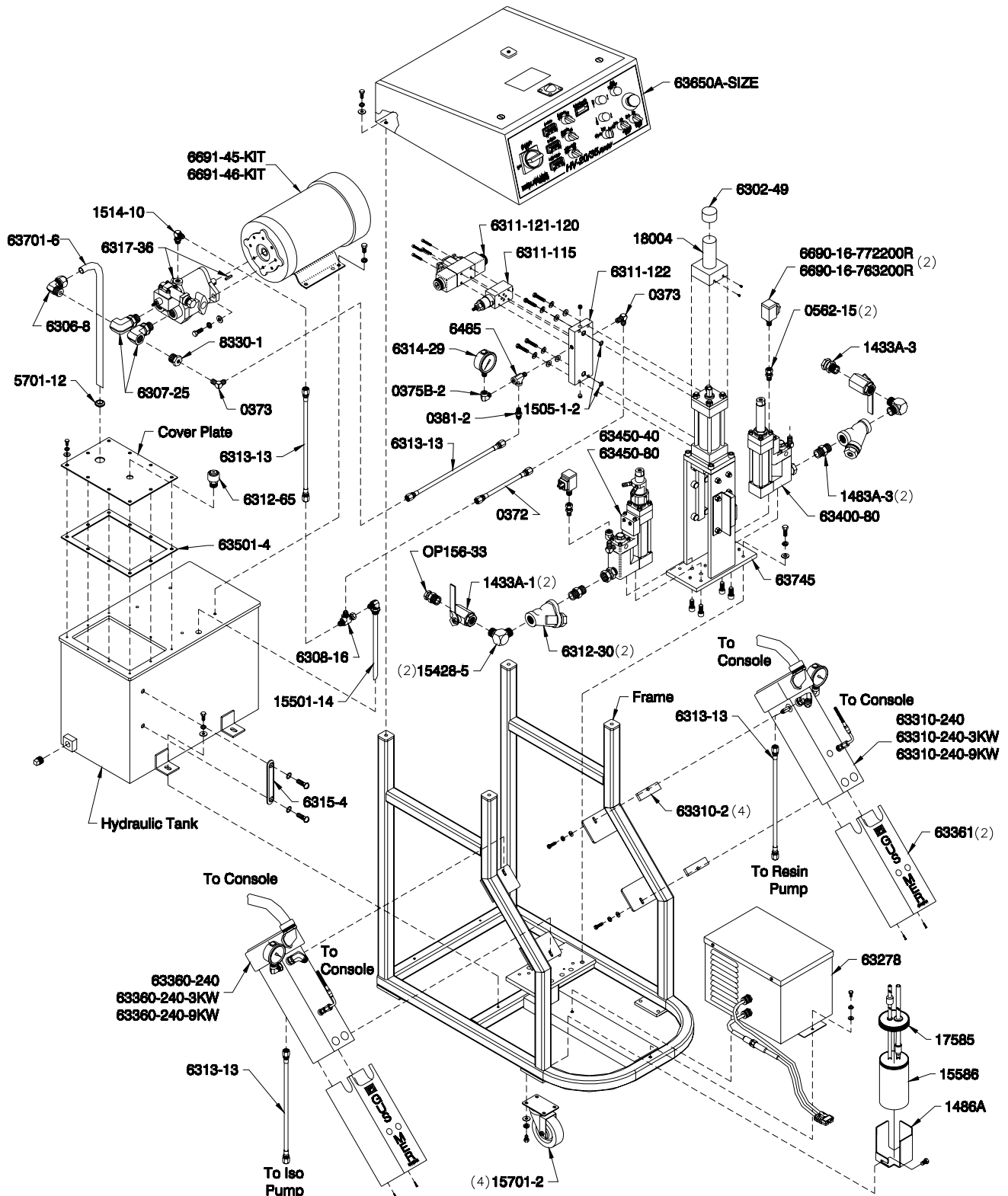


Figure 1. Final Assembly (Part No. 63000A-SIZE), Exploded View

See page 28 for electrical components not called out in this assembly.

TABLE 1. FINAL ASSEMBLY (PART NO. 63000A-SIZE), PARTS

Part Number	Description	Quantity
0372	Interconnect Hose	1
0373	Male Elbow	2
0375B-2	Street Elbow	1
0381-2	Nipple	1
0562-15	Swivel Union	2
1433A-1	Ball Valve	2
1433A-3	Swivel Union	1
1483A-3	Hex Nipple	2
1486A	Lube Reservoir Bracket	1
1505-1-2	O-Ring	2
1514-10	Hose Elbow	1
5701-12	Rubber Grommet	1
6302-49	Poly Cap	1
6306-8	Tube Elbow	1
6307-25	O-Ring Fitting	2
6308-16	JIC Tee Fitting	1
6311-115	Pressure Reducing Valve	1
6311-121-120	Directional Valve	1
6311-122	Hydraulic Subplate	1
6312-30	Strainer	2
6312-65	Breather	1
6313-13	Interconnect Hose	4
6314-29	0-2000 PSI Liquid Fill Gauge	1
6315-4	Fluid Level Gauge	1
6317-36	Hydraulic Pump	1
6465	Pipe Tee	1
6690-16-772200R	Pressure Switch (HV-20 Units Only)	2
6690-16-763200R	Pressure Switch (HV-30 Units Only)	2
6691-45-KIT	Motor Replacement Kit (3-Phase Units Only)	1
6691-46-KIT	Motor Replacement Kit (1-Phase Units Only)	1
8330-1	Reducing Bushing	1
15428-5	Male Elbow	2
15501-14	Hydraulic Reservoir Return Tube	1
15586	Lube Bottle	1
15701-2	Swivel Caster	4
17585	Lube Reservoir Hose Assembly	1
18004	Guard Weldment	1
63278	Auto Hose Heat Control	1
63310-2	Insulator Flange	4
63310-240	R-Primary Heater 6000 Watt	1
63310-240-3KW	R-Primary Heater 3000 Watt	1
63310-240-9KW	R-Primary Heater 9000 Watt	1
63360-240	A-Primary Heater 6000 Watt	1
63360-240-3KW	A-Primary Heater 3000 Watt	1
63360-240-9KW	A-Primary Heater 9000 Watt	1
63361	Preheater Cover	2
63400-80	Resin Proportioning Pump Assembly	1
63450-40	Iso Proportioning Pump Assembly (Optional)	1
63450-80	Iso Proportioning Pump Assembly	1
63501-3	Access Cover Gasket	1
63650A-SIZE	Electrical Console (Specify version and serial number of unit)	1
63701-6	Suction tube	1
63745	Hydraulic Motor Assembly	1
OP156-33	Swivel Union	1

HYDRAULIC MOTOR ASSEMBLY

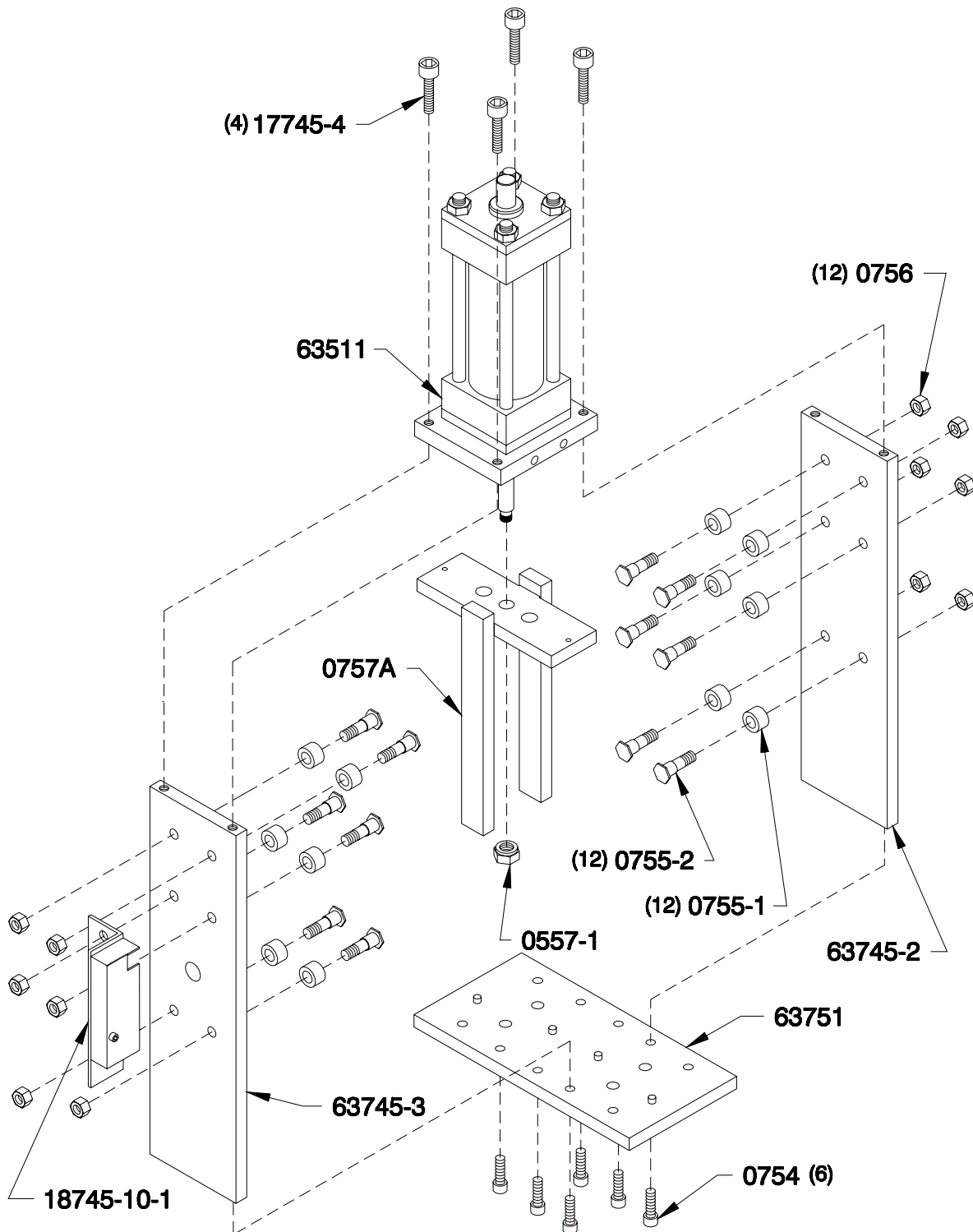


Figure 2. Hydraulic Motor Assembly (Part No. 63745), Exploded View

TABLE 2. HYDRAULIC MOTOR ASSEMBLY (PART NO. 63745), PARTS

Part Number	Description	Quantity
0557-1	Flex Top Jam Nut	1
0754	Socket Head Cap Screw	6
0755-1	Bearing	12
0755-2	Cam Roller Stud	12
0756	Hex Nut	12
0757A	Pump Yoke	1
17745-4	Socket Head Cap Screw	4
18745-10-1	Reversing Switch Assembly	1
63511	Hydraulic Cylinder	1
63745-2	Air Cylinder Upright	1
63745-3	Air Cylinder Upright-Switch Side	1
63751	Proportioner Base w/Dowel Pins	1

HYDRAULIC CYLINDER ASSEMBLY

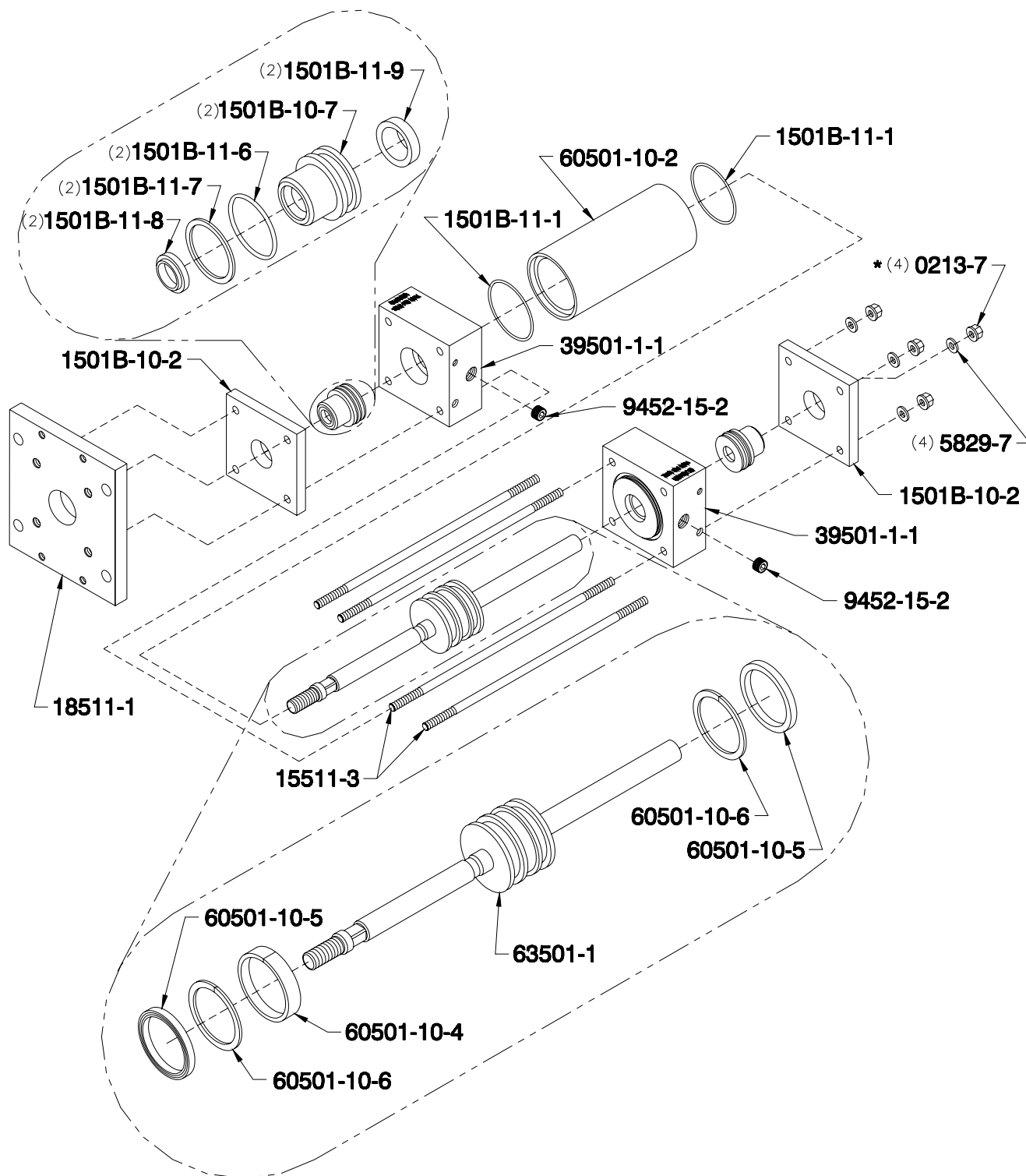


Figure 3. Hydraulic Cylinder (Part No. 63511), Exploded View

* Torque to 100 Inch-Pounds

TABLE 3. HYDRAULIC CYLINDER (PART NO. 63511), PARTS

Part Number	Description	Quantity
0213-7	Flange Nut	4
1501B-10-2	Retainer Plate	2
• ♦ 1501B-10-7	Rod Bushing	2
♦ 1501B-11-1	O-Ring	2
• ♦ 1501B-11-6	O-Ring	2
• ♦ 1501B-11-7	Back Up Ring	2
• ♦ 1501B-11-8	Rod Wiper	2
• ♦ 1501B-11-9	Shaft Seal	2
5829-7	Flat Washer	4
9452-15-2	Flush Seal Pipe Plug	2
60501-10-2	Cylinder Body	1
♦ 60501-10-5	U-Cup	2
♦ 60501-10-6	Back Up Ring	2
♦ 60501-10-4	Teflon Glass Wear Ring	1
15511-3	Hydraulic Cylinder Tie Rod (<i>Torque to 200 Inch-Pounds</i>)	4
18511-1	Hydraulic Cylinder Bottom Plate	1
39501-1-1	Port Block	2
63501-1	Hydraulic Piston	1

♦ *Hydraulic Cylinder Rebuild Kit (Part No. MK63511)*

• *Hydraulic Cylinder Bushing Kit (Part No. MK42511-1)*

PROPORTIONING PUMP ASSEMBLIES

Resin Proportioning Pump

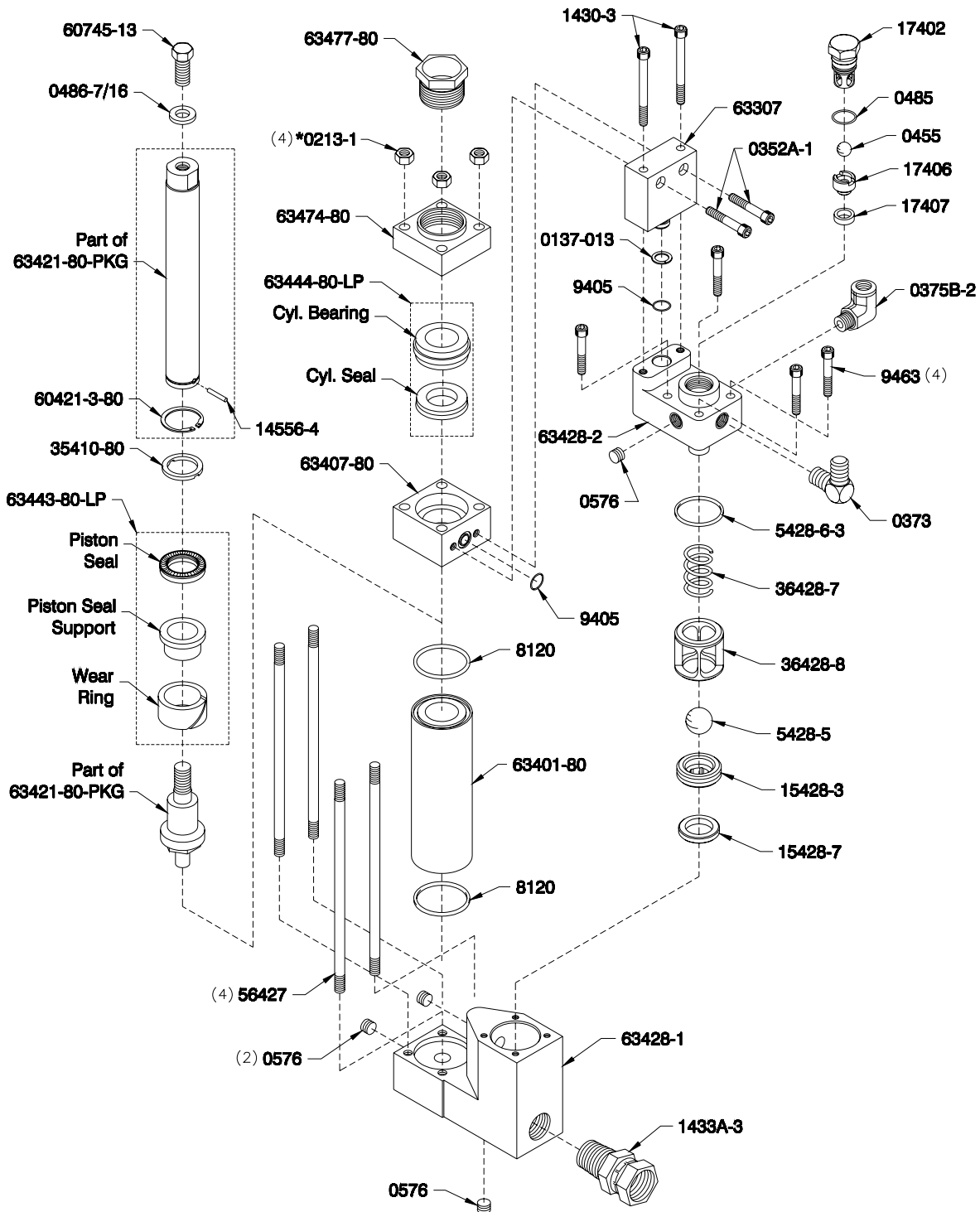


Figure 4. R-Proportioning Pump Assembly (Part No. 63400-80), Exploded View

TABLE 4. R-PROPORTIONING PUMP ASSEMBLY (PART NO. 63400-80), PARTS

Part Number	Description	Quantity
0137-013	Back Up Ring	1
0213-1	Hex Nut (<i>Torque to 10 ft-lbs</i>)	4
0352A-1	Socket Head Cap Screw	2
0373	Male Elbow	1
0375B-2	Street Elbow	1
0455	Valve Ball	1
0485	O-Ring	1
0486-7/16	Washer	1
0576	Pipe Plug	4
1430-3	Socket Head Cap Screw	2
1433A-3	Swivel Union	1
5428-5	Valve Ball	1
5428-6-3	O-Ring	1
8120	O-Ring	2
9405	O-Ring	2
9463	Socket Head Cap Screw	4
14556-4	Dowel Pin	1
15428-3	Valve Ball Seat (<i>Apply Loctite 242 and torque to 100 ft-lbs</i>)	1
15428-7	Seat Seal	1
17402	Check Valve Retainer	1
17406	Check Valve Seat	1
17407	Check Valve Seal	1
35410-80	Piston Support Washer	1
36428-7	Spring	1
36428-8	Ball Check Sleeve	1
56427	Tie Rod	4
60421-3-80	Retainer Ring	1
60745-13	Hex Head Cap Screw	1
63307	Crossover Tube	1
63401-80	Pump Cylinder	1
63407-80	Outlet Block	1
63421-80-PKG	Piston Rod w/Head (<i>Includes Retainer Ring & Dowel Pin</i>)	1
63428-1	Lower Pump Base	1
63428-2	Upper Pump Base	1
63443-80-LP	Piston Lip Seal Set (<i>Piston Seal, Seal Support & Wear Ring</i>)	1
63444-80-LP	Cylinder Lip Seal Set (<i>Cylinder Bearing & Cylinder Seal</i>)	1
63474-80	Cylinder Top	1
63477-80	R-Retainer Nut	1

Iso Proportioning Pump

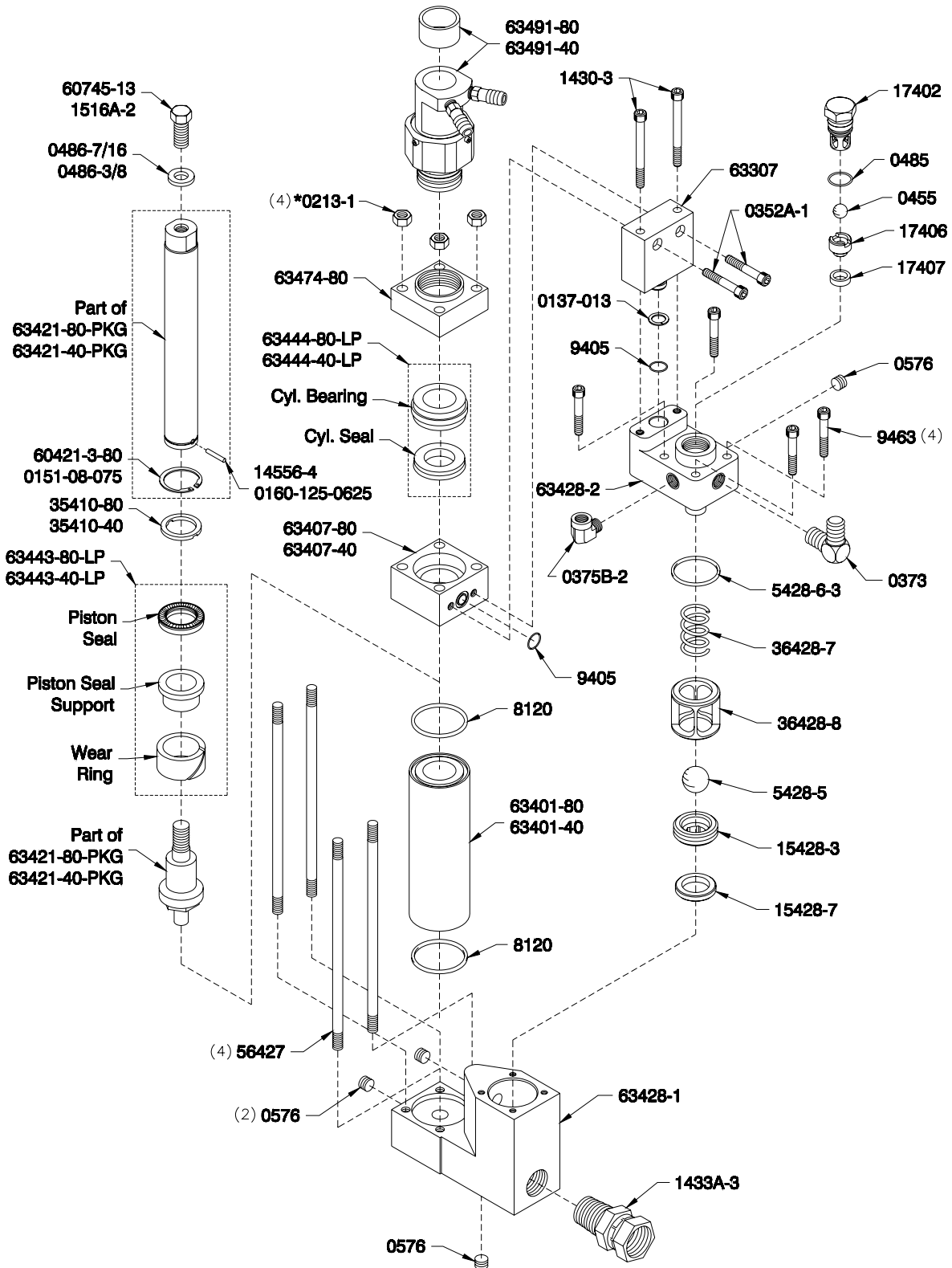


Figure 5. A-Proportioning Pump Assembly (Part No. 63450-40 & 63450-80), Exploded View

TABLE 5. A-PROPORTIONING PUMP ASSEMBLY (PART NO. 63450-40 & 63450-80), PARTS

Part Number	Description	Quantity
0137-013	Back Up Ring	1
0213-1	Hex Nut (<i>Torque to 10 ft-lbs</i>)	4
0352A-1	Socket Head Cap Screw	2
0373	Male Elbow	1
0375B-2	Street Elbow	1
0455	Valve Ball	1
0485	O-Ring	1
0486-7/16	Washer	1
0486-3/8	Washer (<i>63450-40 Only</i>)	1
0576	Pipe Plug	4
1430-3	Socket Head Cap Screw	2
1433A-3	Swivel Union	1
5428-5	Valve Ball	1
5428-6-3	O-Ring	1
8120	O-Ring	2
9405	O-Ring	2
9463	Socket Head Cap Screw	4
14556-4	Dowel Pin	1
0160-125-0625	Dowel Pin (<i>63450-40 Only</i>)	1
15428-3	Valve Ball Seat (<i>Apply Loctite 242 and torque to 100 ft-lbs</i>)	1
15428-7	Seat Seal	1
17402	Check Valve Retainer	1
17406	Check Valve Seat	1
17407	Check Valve Seal	1
35410-80	Piston Support Washer	1
35410-40	Piston Support Washer (<i>63450-40 Only</i>)	1
36428-7	Spring	1
36428-8	Ball Check Sleeve	1
56427	Tie Rod	4
60421-3-80	Retainer Ring	1
0151-08-075	Retainer Ring (<i>63450-40 Only</i>)	1
60745-13	Hex Head Cap Screw	1
1516A-2	Hex Head Cap Screw (<i>63450-40 Only</i>)	1
63307	Crossover Tube	1
63401-80	Pump Cylinder	1
63401-40	Pump Cylinder (<i>63450-40 Only</i>)	1
63407-80	Outlet Block	1
63407-40	Outlet Block (<i>63450-40 Only</i>)	1
63421-80-PKG	Piston Rod w/Head (<i>Includes Retainer Ring & Dowel Pin</i>)	1
63421-40-PKG	Piston Rod w/Head (<i>as above, 63450-40 Only</i>)	1
63428-1	Lower Pump Base	1
63428-2	Upper Pump Base	1
63443-80-LP	Piston Lip Seal Set (<i>Piston Seal, Seal Support & Wear Ring</i>)	1
63443-40-LP	Piston Lip Seal Set (<i>as above, 63450-40 Only</i>)	1
63444-80-LP	Cylinder Lip Seal Set (<i>Cylinder Bearing & Cylinder Seal</i>)	1
63444-40-LP	Cylinder Lip Seal Set (<i>as above, 63450-40 Only</i>)	1
63474-80	Cylinder Top	1
63491-80	Lube Cup Assembly	1
63491-40	Lube Cup Assembly (<i>63450-40 Only</i>)	1

LUBE PUMP ASSEMBLY

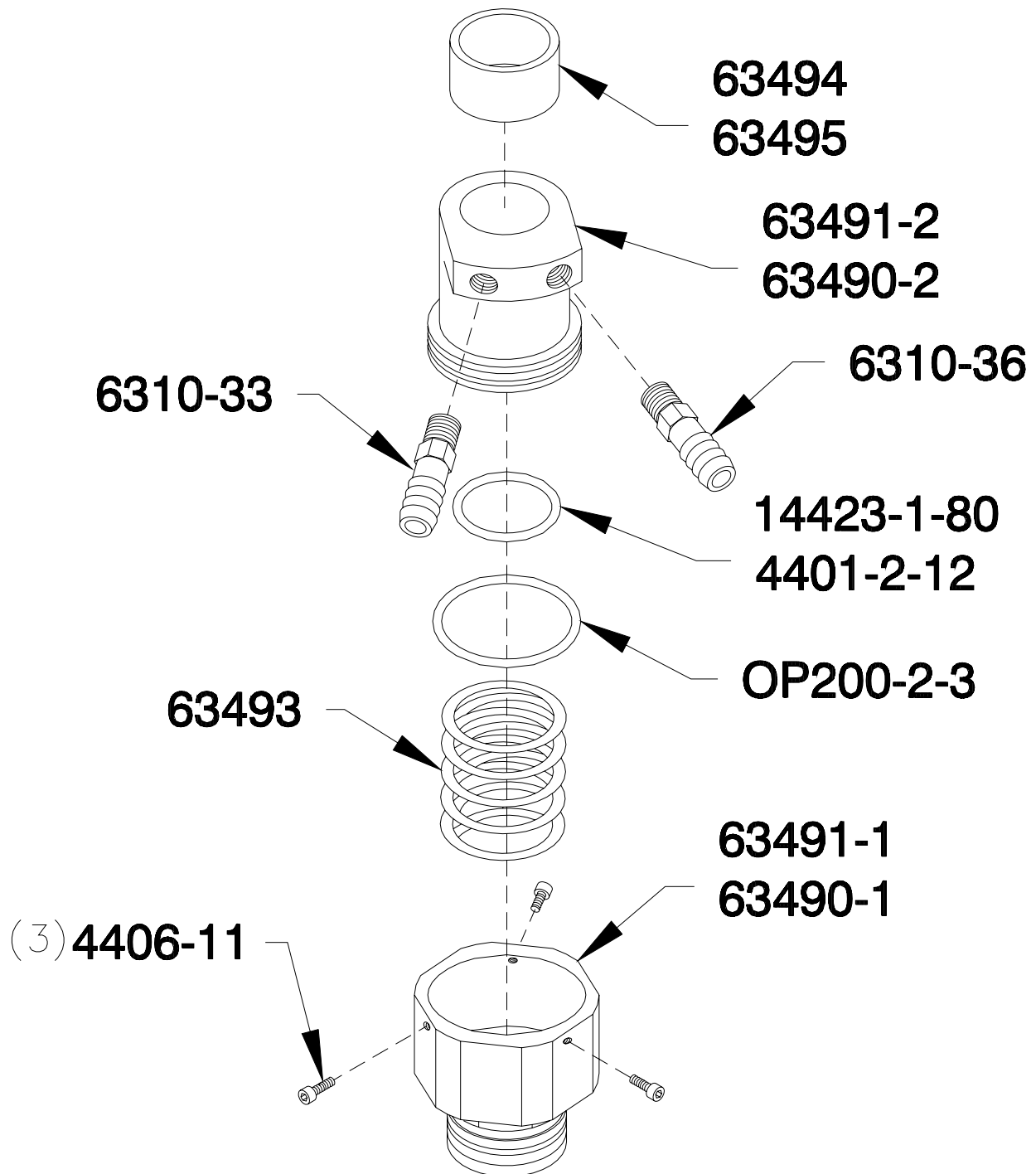


Figure 6. Lube Pump Assembly (Part No. 63491-SIZE), Exploded View

TABLE 6. LUBE PUMP ASSEMBLY (PART NO. 63491-SIZE), PARTS

Part Number	Description	Quantity
4406-11	Socket Head Cap Screw	3
6310-33	3/8 Hose Barb	1
6310-36	1/4 Hose Barb	1
14423-1-80	O-Ring	1
4401-2-12	O-Ring (63491-40 Only)	1
63491-1	Lube Pump Cylinder	1
63490-1	Lube Pump Cylinder (63491-40 Only)	1
63491-2	Lube Pump Piston	1
63490-2	Lube Pump Piston (63491-40 Only)	1
63493	Spring	1
63494	Spacer	1
63495	Spacer (63491-40 Only)	1
OP200-2-3	O-Ring	1

Resin Primary Heater

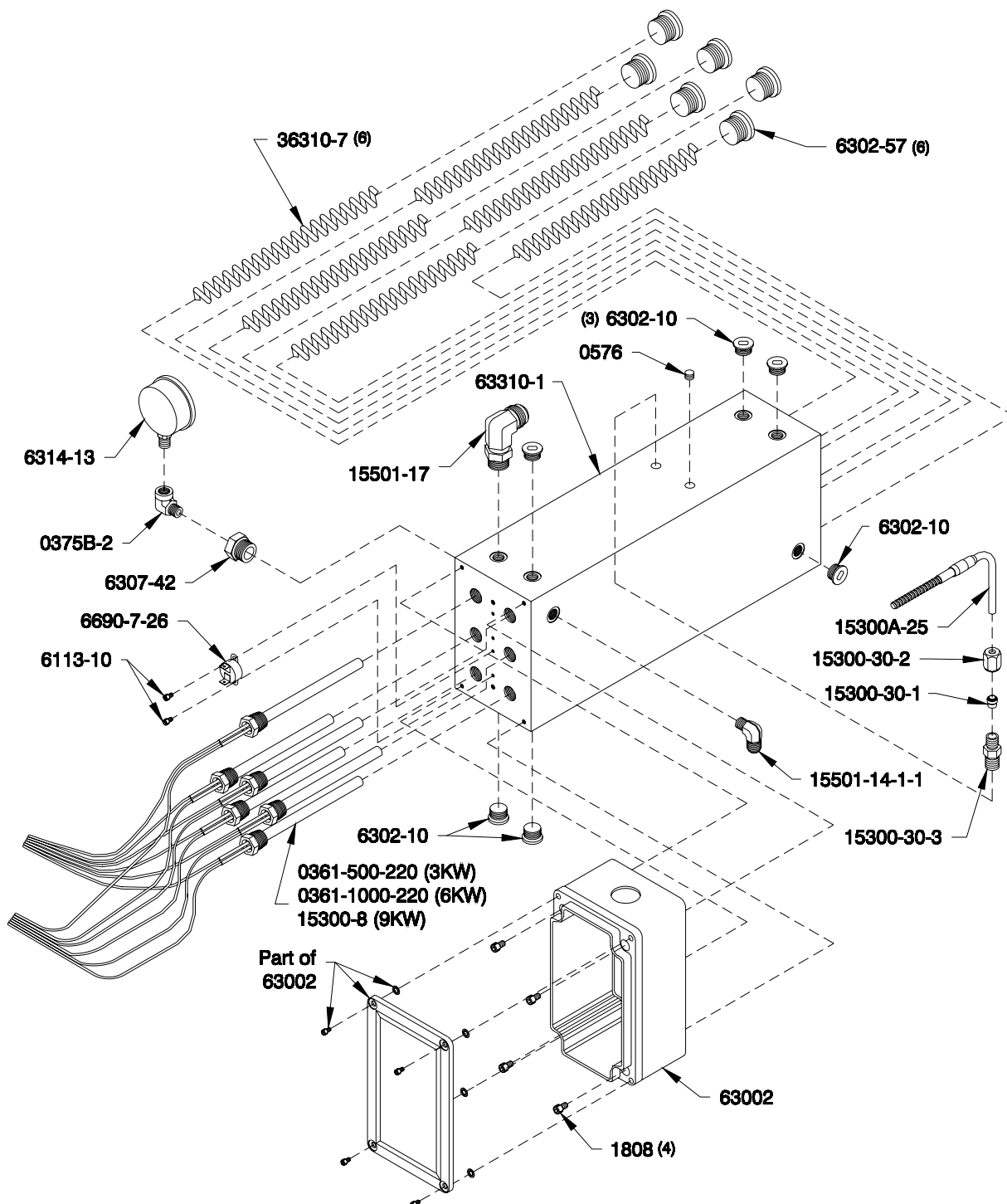


Figure 7. R-Primary Heater Assembly (Part No. 63310-SIZE), Exploded View

TABLE 7. R-PRIMARY HEATER ASSEMBLY (PART NO. 63310-SIZE), PARTS

Part Number	Description	Quantity
0361-500-220	Heating Element 500W(63310-240-3KW Only)	6
0361-1000-220	Heating Element 1000W	6
15300-8	Heating Element 1500W(63310-240-9KW Only)	6
0375B-2	Street Elbow	1
0576	Flush Seal Pipe Plug	1
1808	Socket Head Cap Screw	4
6113-10	Button Head Cap Screw	2
6302-10	O-Ring Plug	6
6302-57	Hollow Hex Plug	6
6307-42	Pipe Adapter	1
6314-13	0-5000PSI Liquid Filled Guage	1
6690-7-26	Thermostat	1
15300-30-1	Ferrule	1
15300-30-2	Nut	1
15300-30-3	1/4 Tube Body	1
15300A-25	Thermocouple Kit <i>(Includes Nut and Ferrule)</i>	1
15501-14-1-1	O-Ring Elbow	1
15501-17	O-Ring Elbow	1
36310-7	Spring	6
63002	Box	1
63310-1	Preheater	1
63361	Preheater Cover <i>(Not Shown, see Final Assembly)</i>	1

Iso Primary Heater

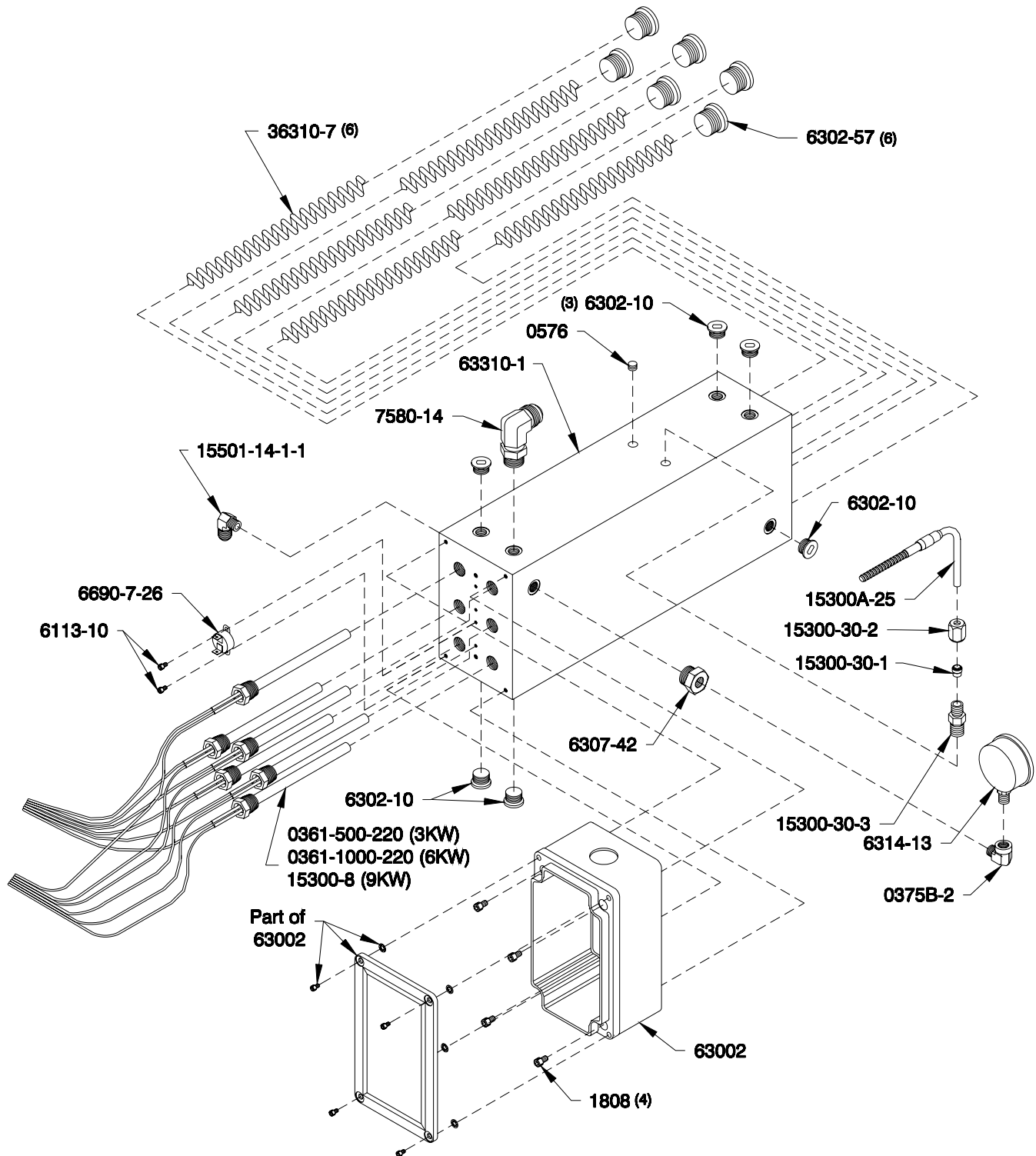


Figure 8. A-Primary Heater Assembly (Part No. 63360-SIZE), Exploded View

TABLE 8. A-PRIMARY HEATER ASSEMBLY (PART NO. 63360-SIZE), PARTS

Part Number	Description	Quantity
0361-500-220	Heating Element 1500W(63360-240-3KW Only)	6
0361-1000-220	Heating Element 1000W	6
15300-8	Heating Element 1500W(63360-240-9KW Only)	6
0375B-2	Street Elbow	1
0576	Flush Seal Pipe Plug	1
1808	Socket Head Cap Screw	4
6113-10	Button Head Cap Screw	2
6302-10	O-Ring Plug	6
6302-57	Hollow Hex Plug	6
6307-42	Pipe Adapter	1
6314-13	0-5000PSI Liquid Filled Guage	1
6690-7-26	Thermostat	1
7580-14	O-Ring Elbow	1
15300-30-1	Ferrule	1
15300-30-2	Nut	1
15300-30-3	1/4 Tube Body	1
15300A-25	Thermocouple Kit (Includes Nut and Ferrule)	1
15501-14-1-1	O-Ring Elbow	1
36310-7	Spring	6
63002	Box	1
63310-1	Preheater	1
63361	Preheater Cover (Not Shown, see Final Assembly)	1

REVERSING SWITCH ASSEMBLY

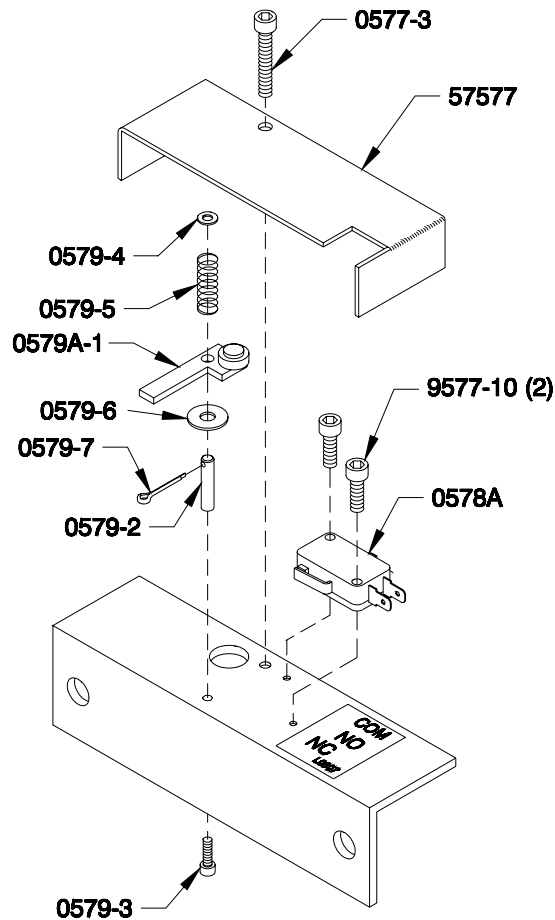
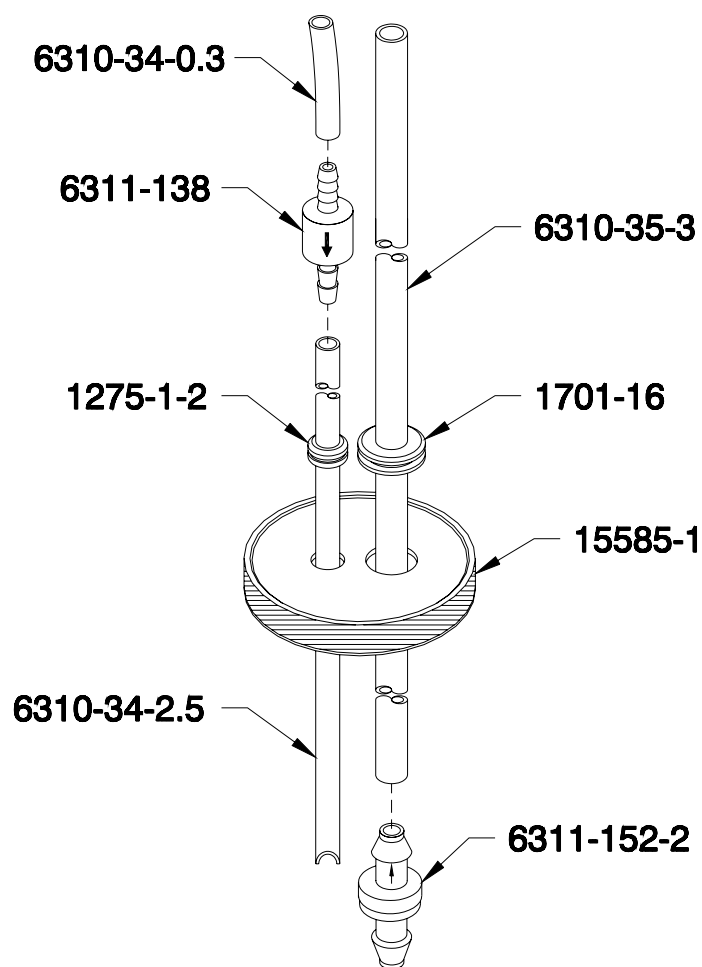


Figure 9. Reversing Switch Assembly (Part No. 18745-10-1), Exploded View

TABLE 9. REVERSING SWITCH ASSEMBLY (PART NO. 18745-10-1), PARTS

Part Number	Description	Quantity
0577-3	Socket Head Cap Screw	1
0578A	Reversing Switch	1
0579-2	Pivot Arm	1
0579-3	Socket Head Cap Screw	1
0579-4	Flat Washer	1
0579-5	Spring	1
0579-6	Fiber Washer	1
0579-7	Cotter Pin	1
0579A-1	Reversing Switch Lever	1
57577	Reversing Switch Cover Box	1
9577-10	Socket Head Cap Screw	2

LUBE RESERVOIR HOSE ASSEMBLY**Figure 10. Lube Reservoir Hose Assembly (Part No. 17585), Exploded View****TABLE 10. LUBE RESERVOIR HOSE ASSEMBLY (PART NO. 17585), PARTS LIST**

Part Number	Description	Quantity
1275-1-2	Rubber Grommet	1
1701-16	13/16 OD Grommet	1
6310-34-0.3	Urethane Tube	1
6310-34-2.5	Urethane Tube	1
6310-35-3	Urethane Tube	1
6311-138	Check Valve	1
6311-152-2	Lube Reservoir Check Valve	1
15585-1	Lube Bottle Cap	1

AUTO HOSE HEAT ASSEMBLY

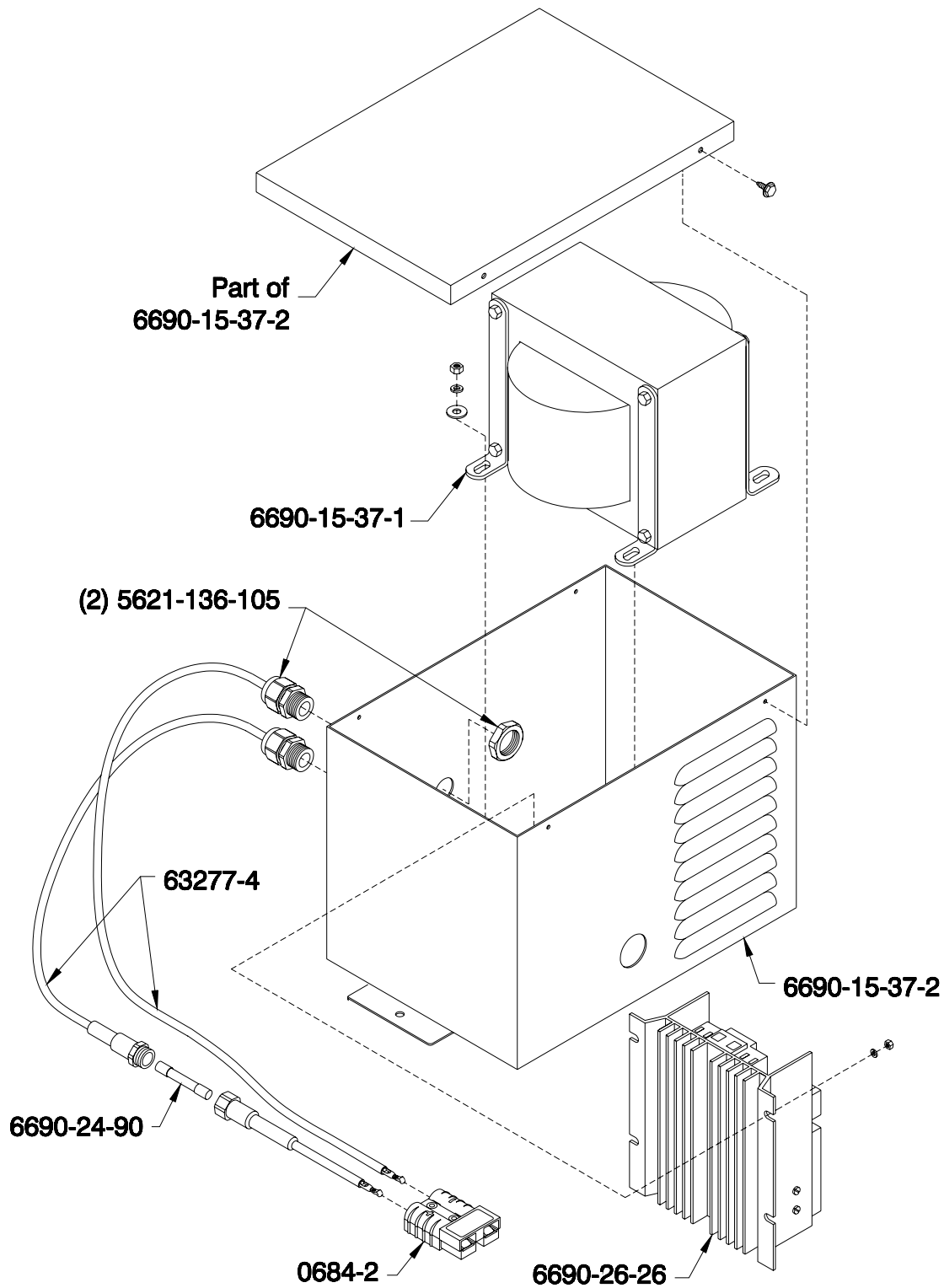


Figure 11. Auto Hose Heat Control Assembly (Part No. 63278), Exploded View

TABLE 11. AUTO HOSE HEAT CONTROL ASSEMBLY (PART NO. 63278), PARTS LIST

Part Number	Description	Quantity
0684-2	Power-Lock™ Connector Housing	1
5621-136-105	Strain Relief	2
6690-15-37-1	Transformer	1
6690-15-37-2	Enclosure	1
6690-24-90	Fuse	1
6690-26-26	Hose Heat Control Unit	1
63277-4	Transformer Harness	1

ELECTRICAL COMPONENTS

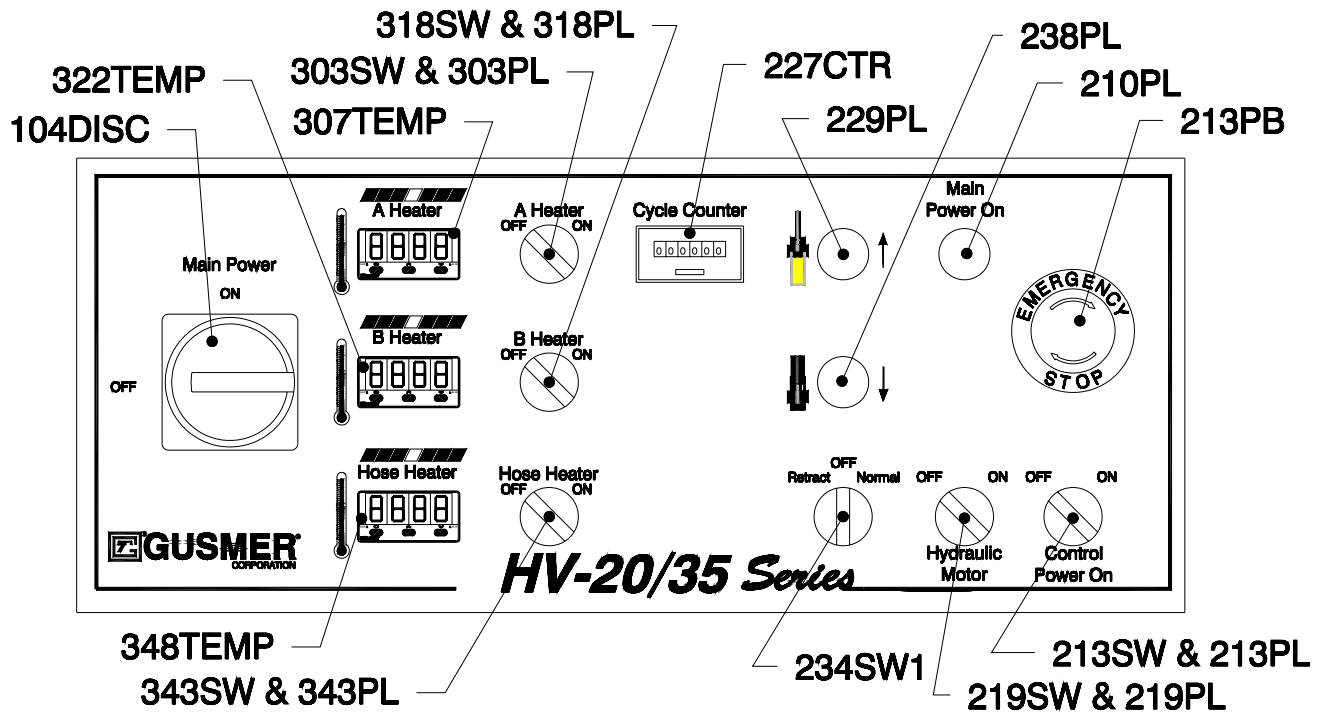


Figure 12. Electrical Components (Sheet 1 of 2)

Note: For schematic symbol part numbers and descriptions, see Table 12 on page 47.

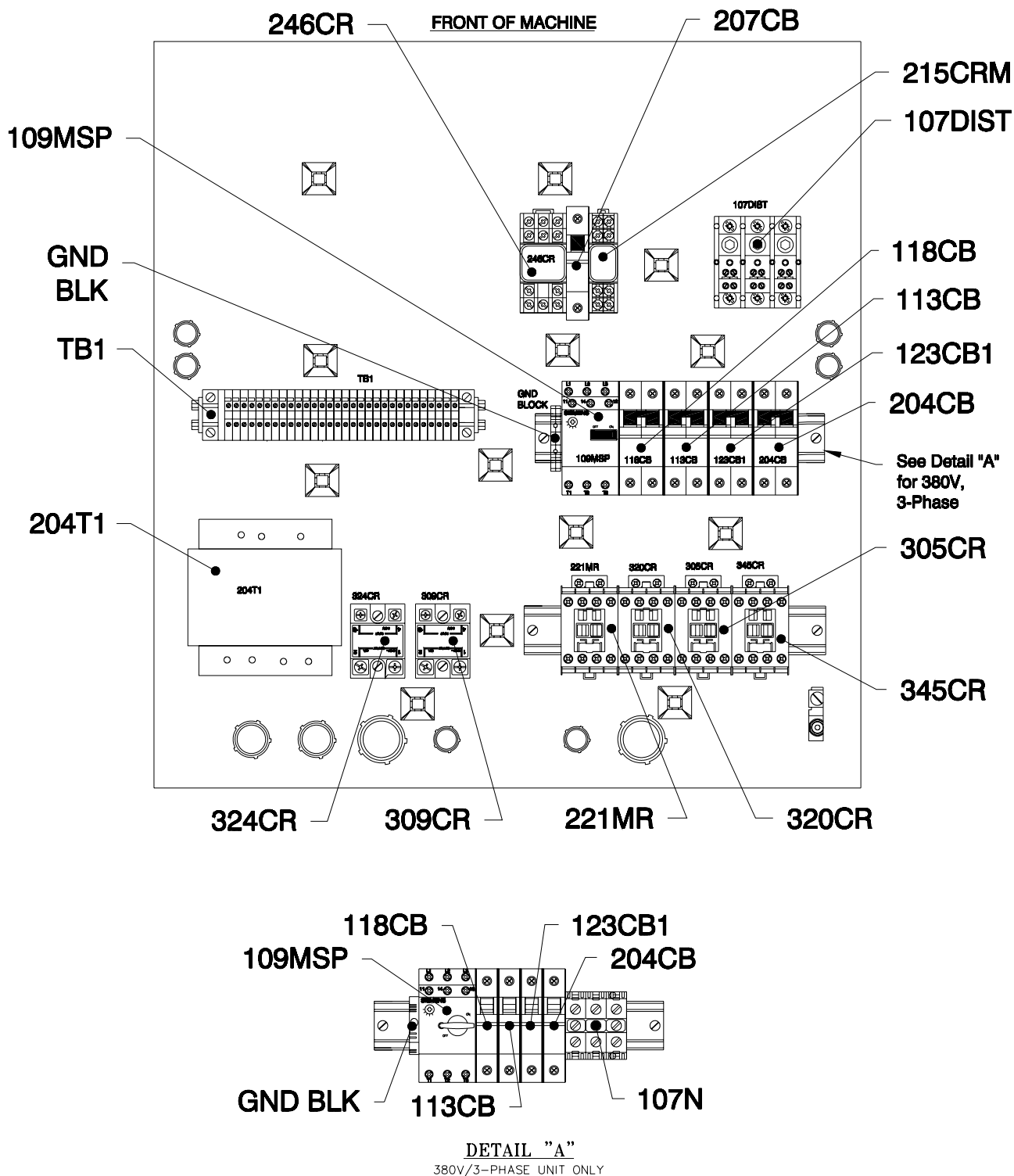


Figure 13. Electrical Components (Sheet 2 of 2)

Note: For schematic symbol part numbers and descriptions, see Table 12 on page 47.

ELECTRICAL SCHEMATICS 220 Volt, 1-Phase, 3KW

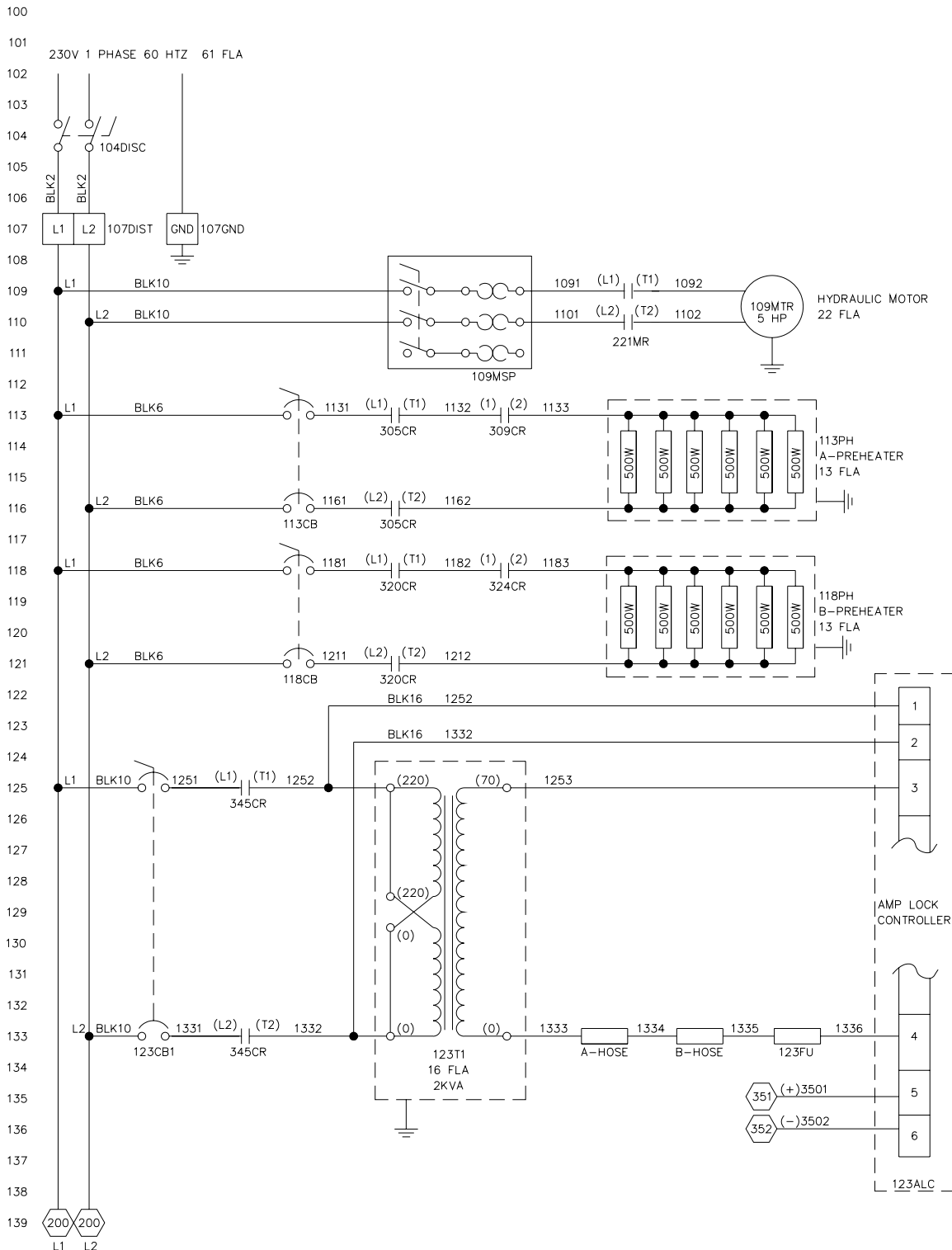


Figure 14. Electrical Schematic, SD63000A-SIZE, Sheet 1F

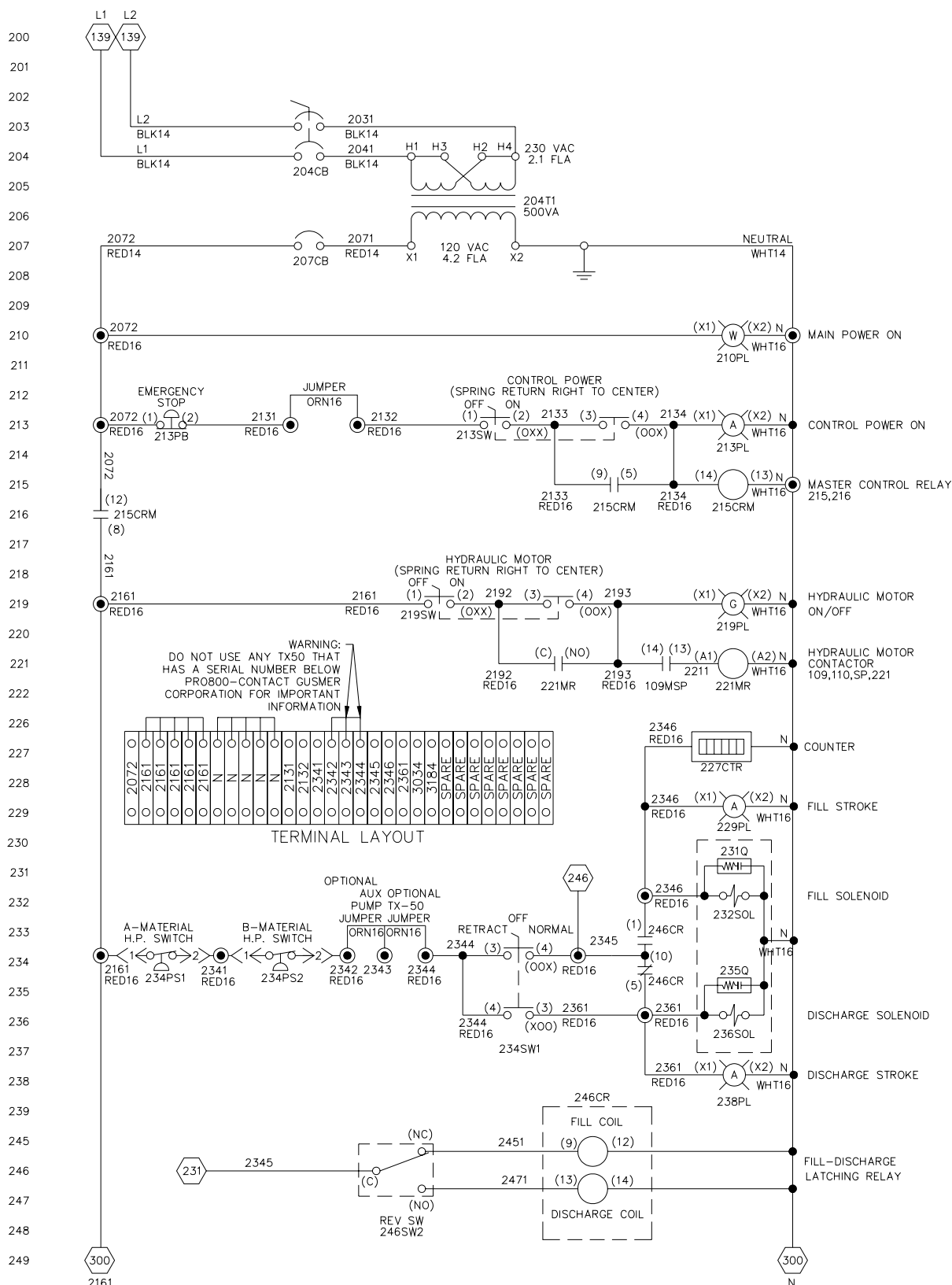


Figure 15. Electrical Schematic, SD63000A-SIZE, Sheet 2A

Final segment of this schematic (Sheet 3) located on page 46.

230V 1 PHASE 60 HTZ 94 FLA

104DISC

107DIST 107GND

109MTR 5 HP HYDRAULIC MOTOR 22 FLA

221MR

113PH A-PREHEATER 27 FLA

118PH B-PREHEATER 27 FLA

123T1 16 FLA 2KVA

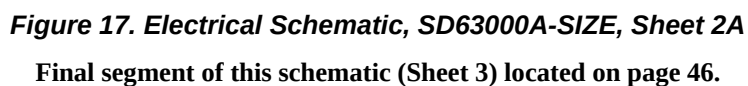
123FU

123ALC

351 (+) 3501

352 (-) 3502

Figure 16. Electrical Schematic, SD63000A-SIZE, Sheet 1A



220 Volt, 3-Phase, 3KW

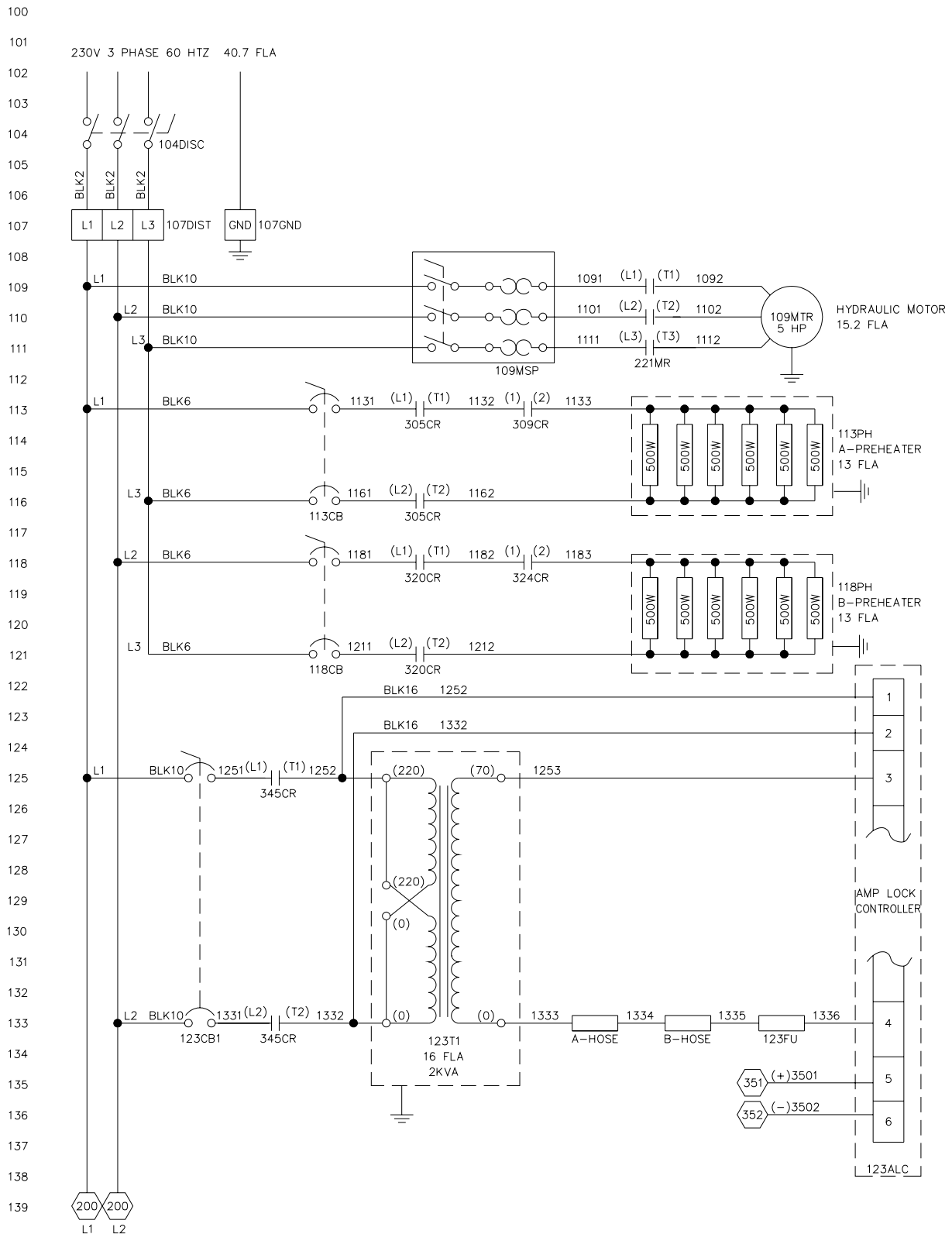


Figure 18. Electrical Schematic, SD63000A-SIZE, Sheet 1G

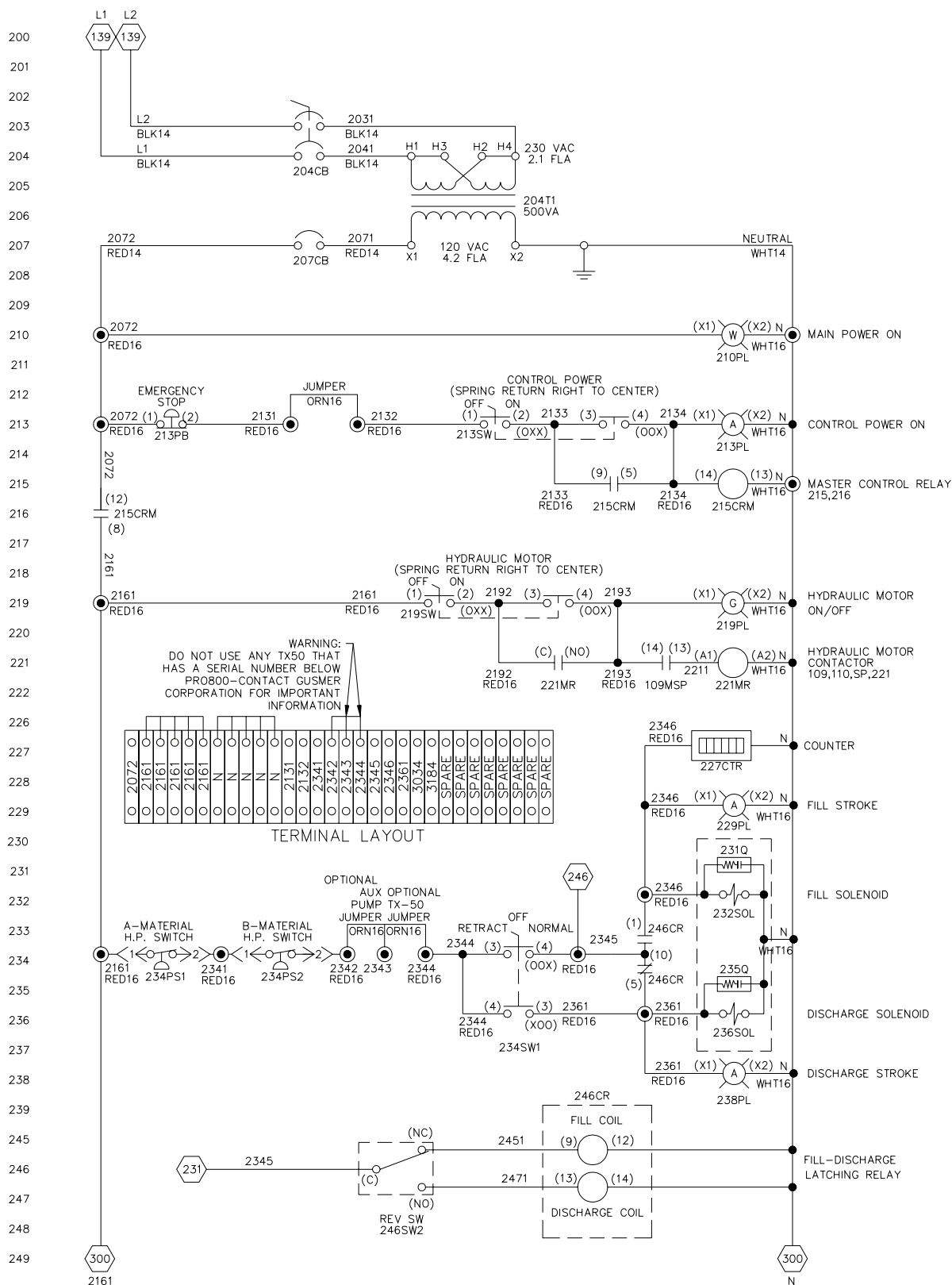


Figure 19. Electrical Schematic, SD63000A-SIZE, Sheet 2A

Final segment of this schematic (Sheet 3) located on page 46.

220 Volt, 3-Phase, 6KW

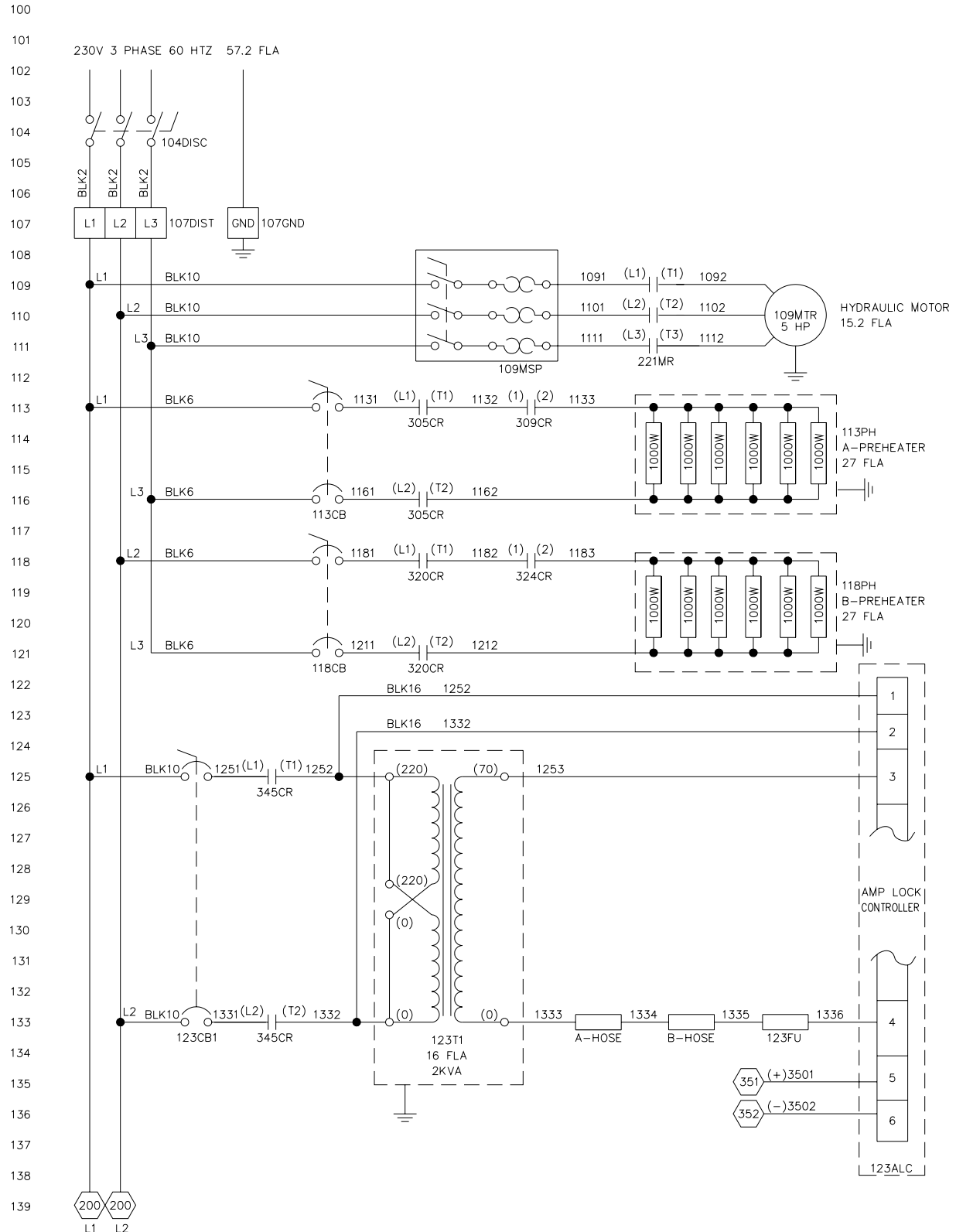


Figure 20. Electrical Schematic, SD63000A-SIZE, Sheet 1B

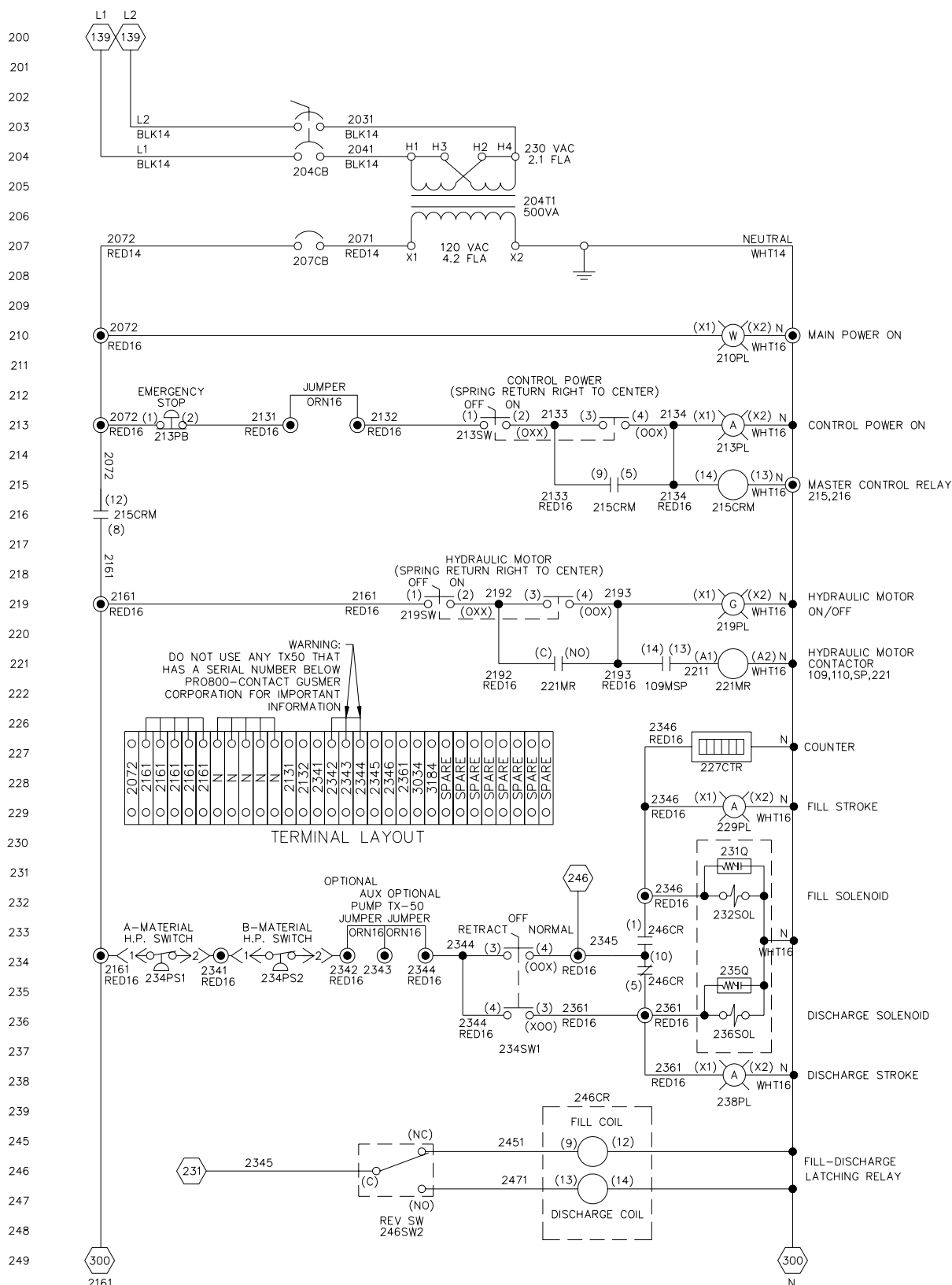


Figure 21. Electrical Schematic, SD63000A-SIZE, Sheet 2A
Final segment of this schematic (Sheet 3) located on page 46.

220 Volt, 3-Phase, 9KW

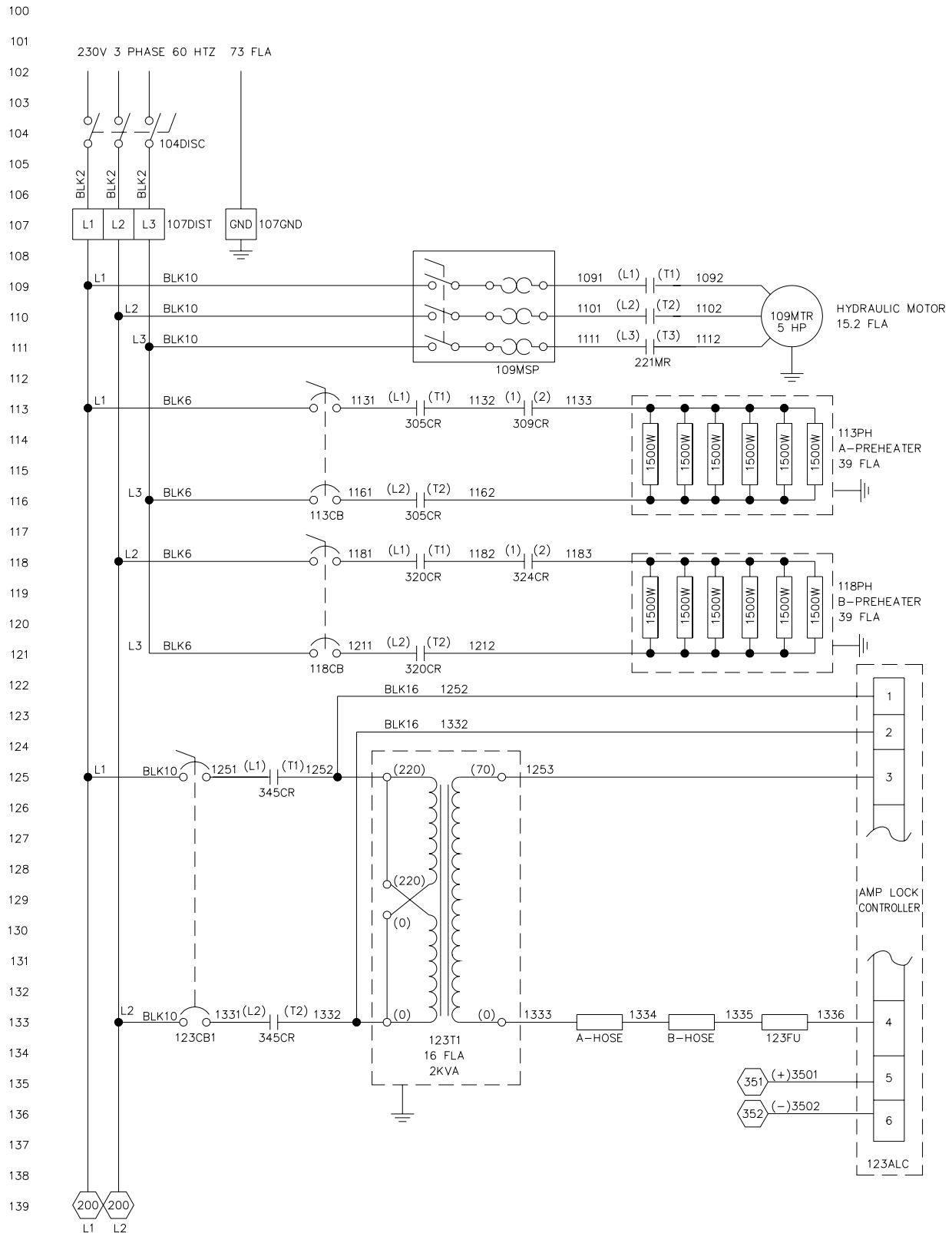


Figure 22. Electrical Schematic, SD63000A-SIZE, Sheet 1D

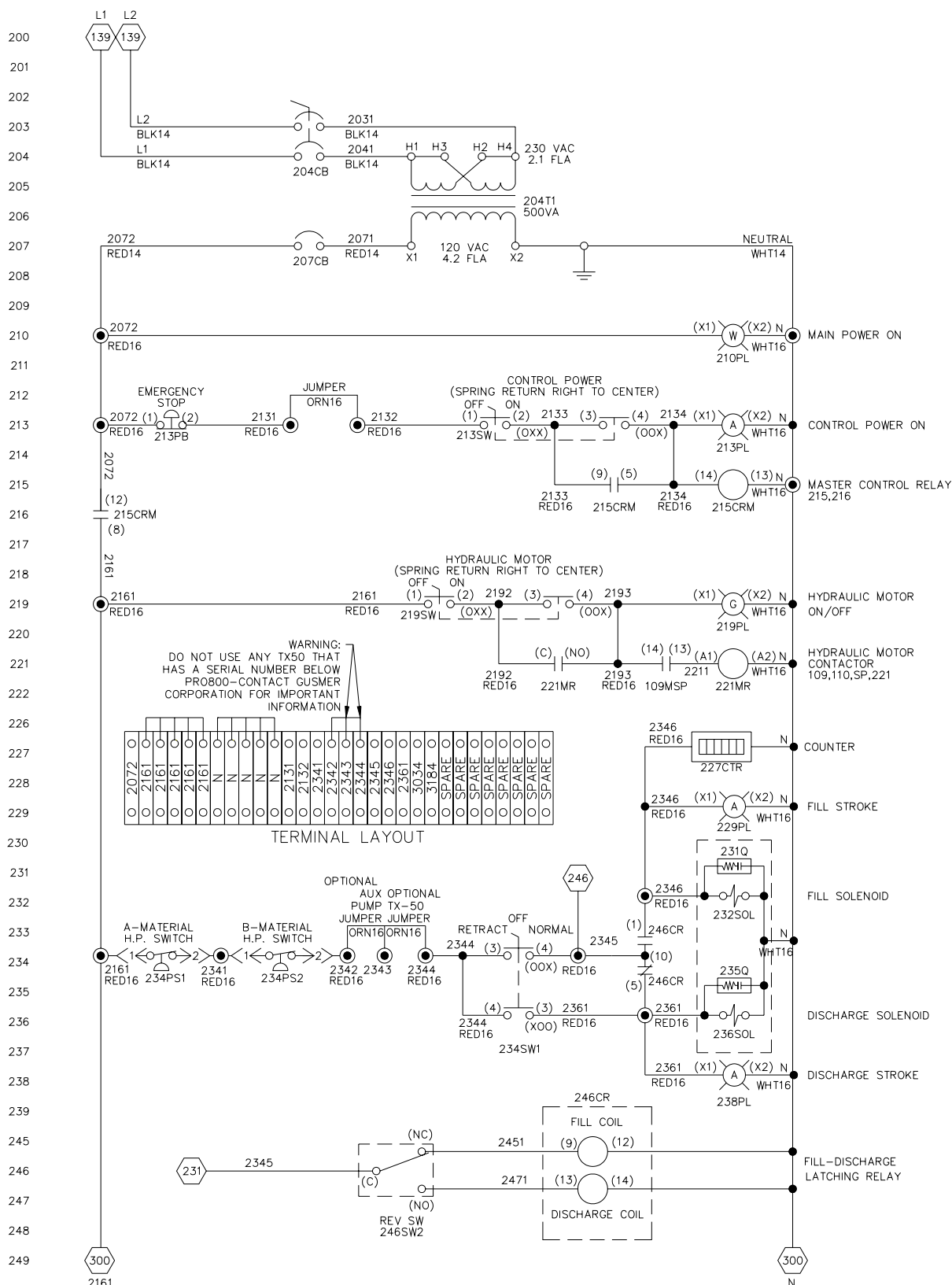


Figure 23. Electrical Schematic, SD63000A-SIZE, Sheet 2A
Final segment of this schematic (Sheet 3) located on page 46.

380 Volt, 3-Phase, 3KW

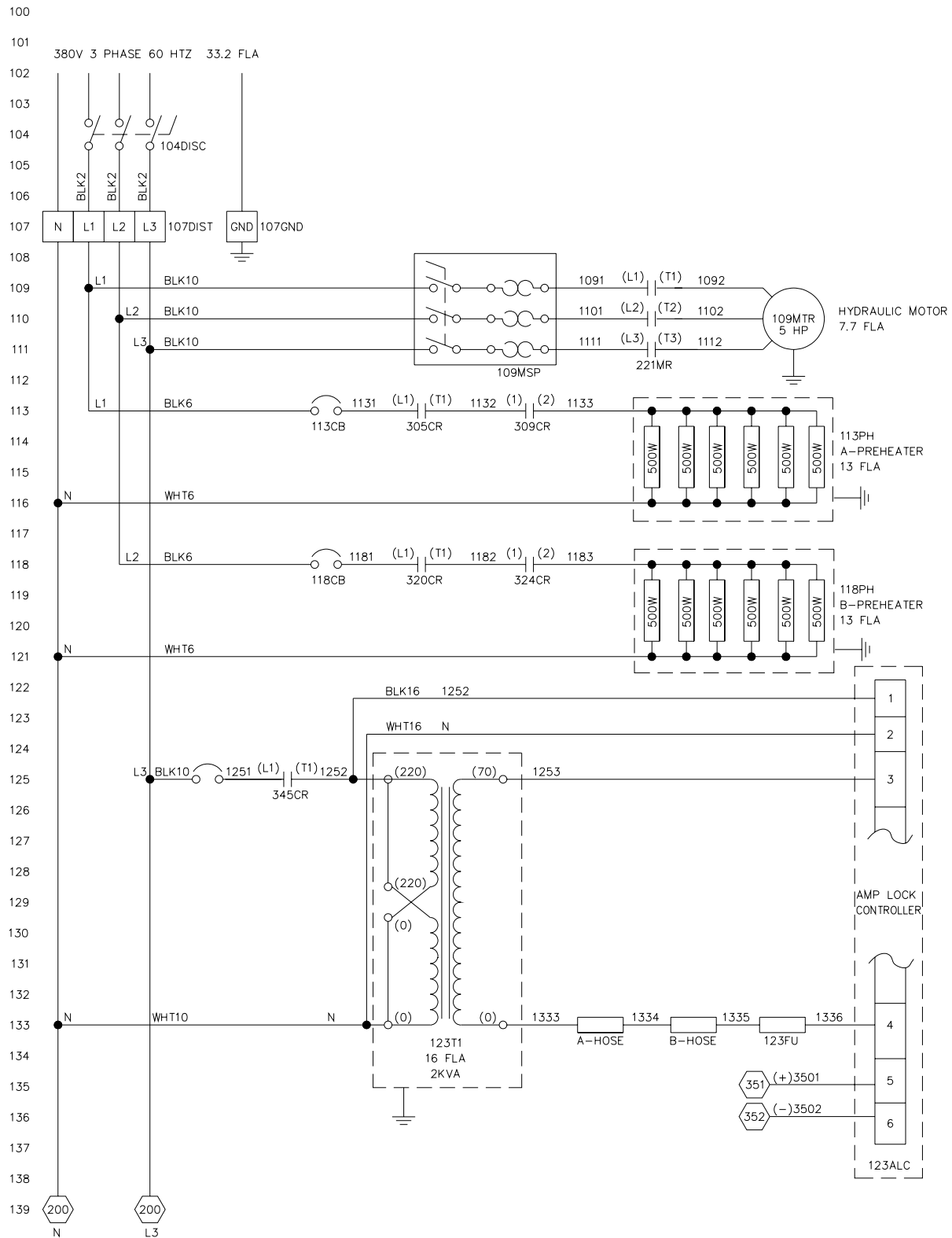


Figure 24. Electrical Schematic, SD63000A-SIZE, Sheet 1H



380 Volt, 3-Phase, 6KW

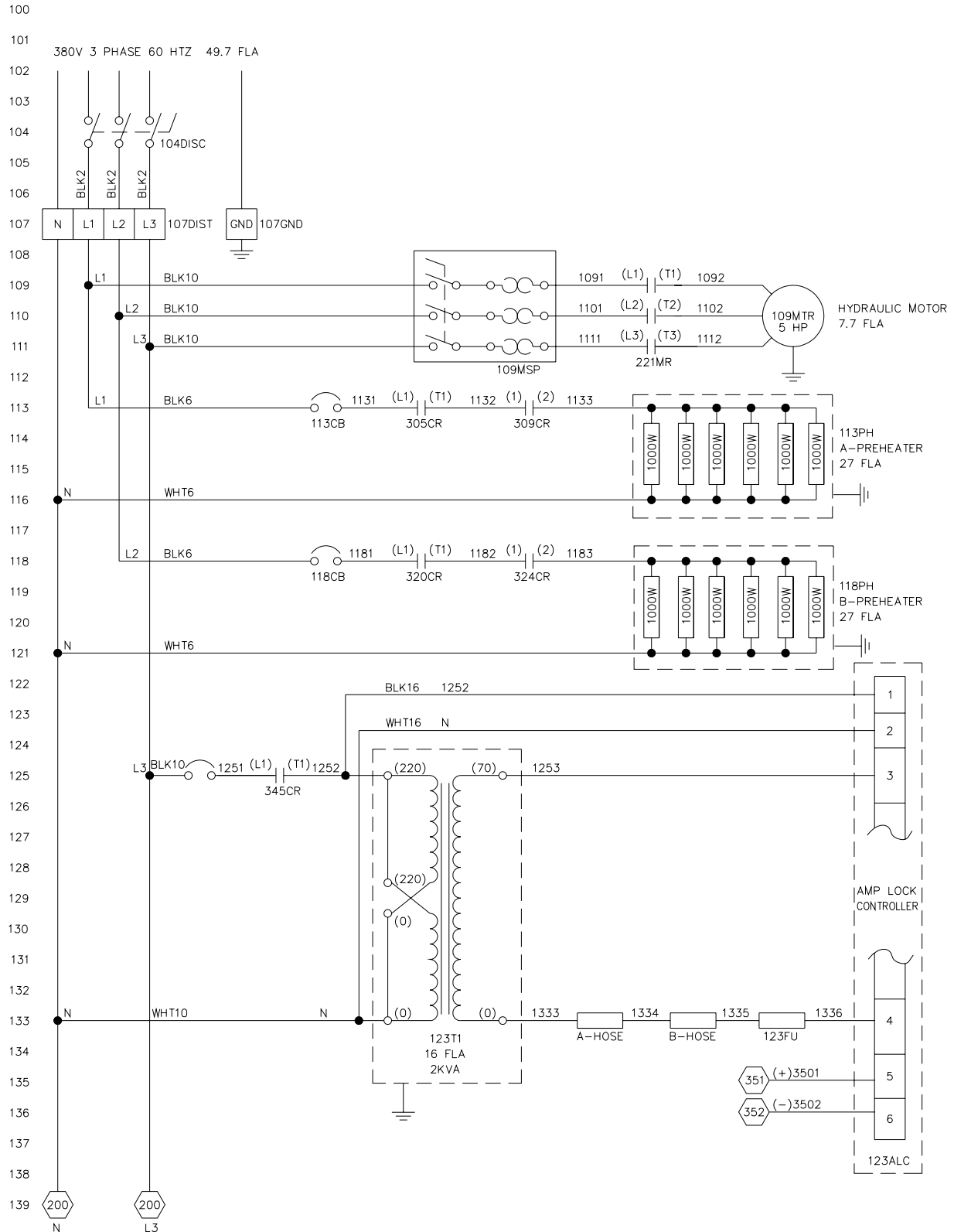


Figure 26. Electrical Schematic, SD63000A-SIZE, Sheet 1C

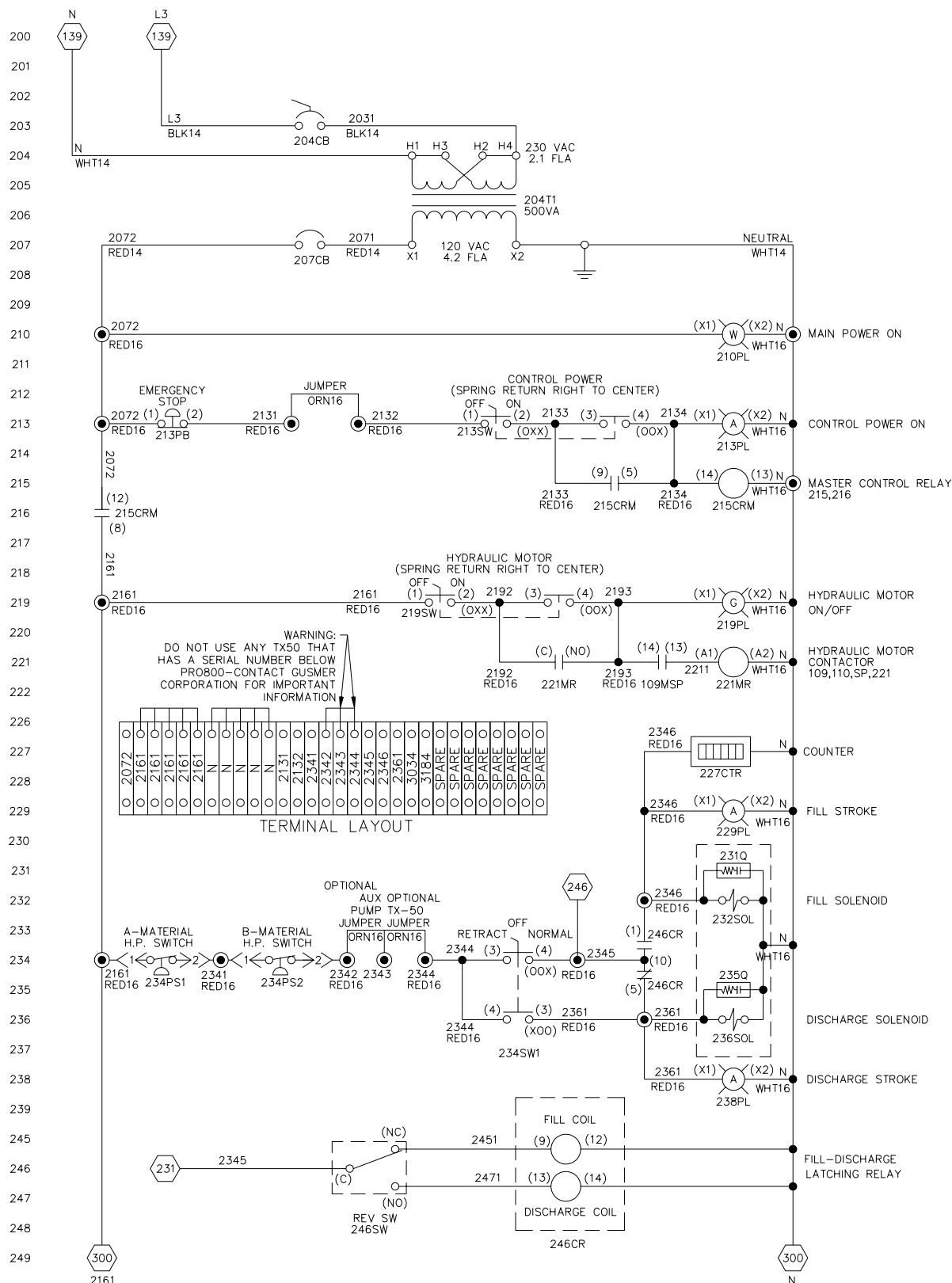


Figure 27. Electrical Schematic, SD63000A-SIZE, Sheet 2B

Final segment of this schematic (Sheet 3) located on page 46.

380 Volt, 3-Phase, 9KW

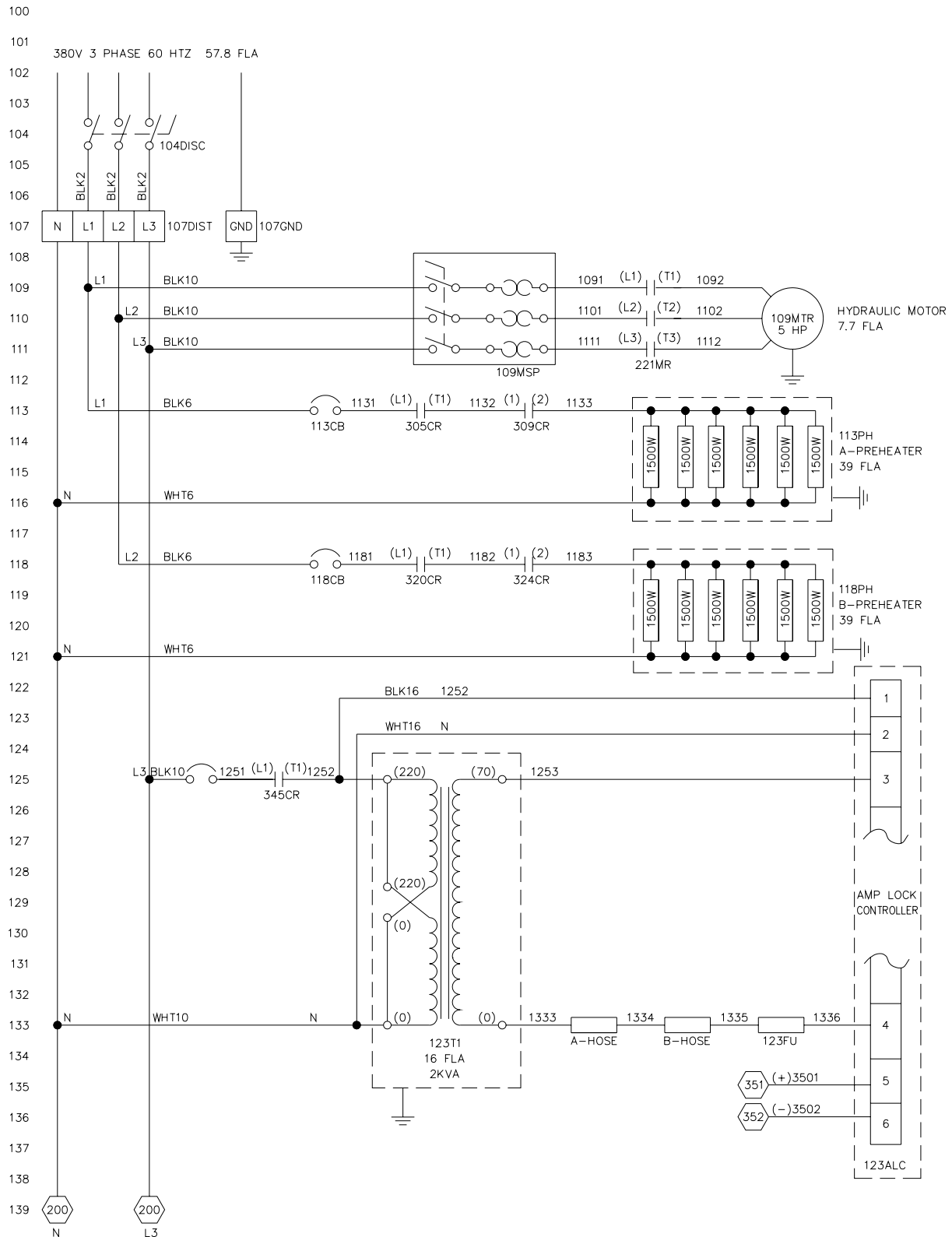


Figure 28. Electrical Schematic, SD63000A-SIZE, Sheet 1E

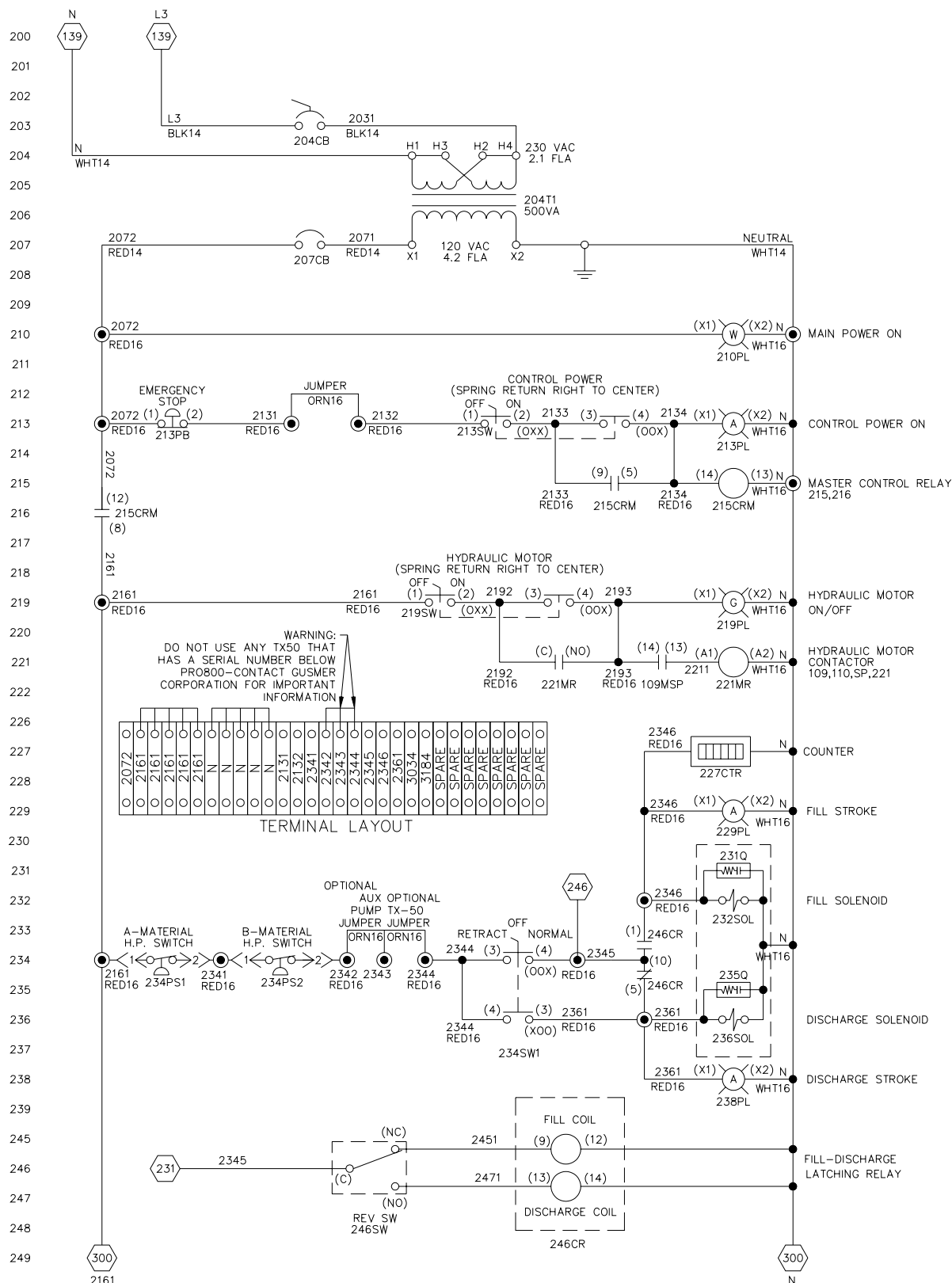


Figure 29. Electrical Schematic, SD63000A-SIZE, Sheet 2B

Final segment of this schematic (Sheet 3) located on page 46.

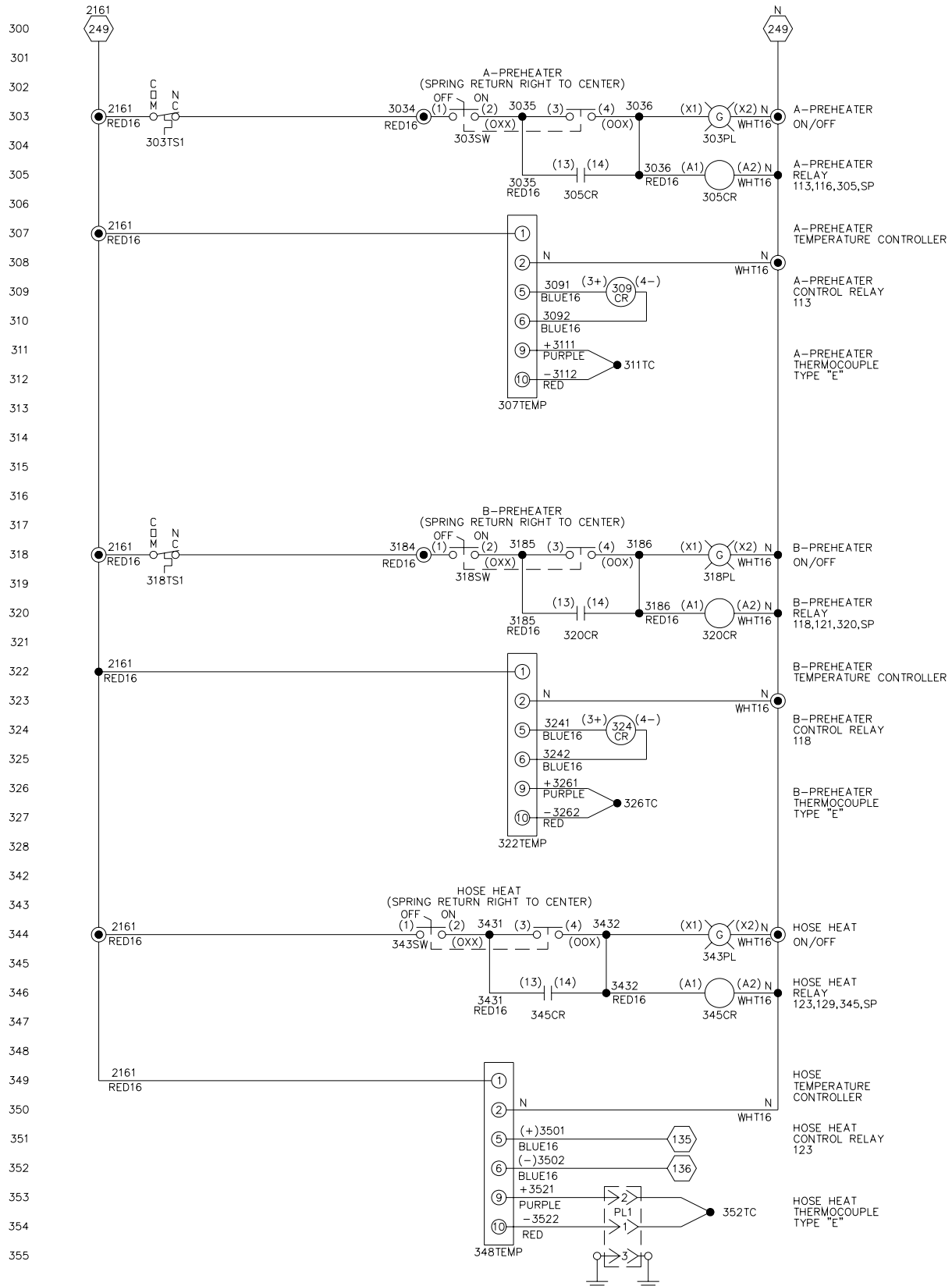


Figure 30. Electrical Schematic, SD63000A-SIZE, Sheet 3

TABLE 12. ELECTRICAL SCHEMATIC, PARTS LIST

Reference Letter	Part Number	Description	Quantity
104DISC	6690-16-144	Disconnect Handle	1
	6690-16-143	Disconnect (1x220V)	1
	6690-16-151	Disconnect (3x220V)	1
	6690-16-143	Disconnect (3x220V, 9KW)	1
	6690-16-151	Disconnect (3x380V ALL)	1
107DIST	6690-20-10-3	3 Pole Terminal Block	1
107GND	1645-1-1	Ground Terminal Block	1
107N	6690-20-28-13	Neutral Terminal Block	3
109MSP			
	6690-27-121	Motor Circuit Protector (1x220V)	1
	6690-27-120	Motor Circuit Protector (3x220V)	1
	6690-27-119	Motor Circuit Protector (3x380V)	1
109MTR			
	6691-46-KIT	5HP 1 Phase 60Hz Motor (1x220V)	1
	6691-45-KIT	5HP Three Phase 50/60 Hz Motor (3x220V)	1
	6691-45-KIT	5HP Three Phase 50/60 Hz Motor (3x380V)	1
113CB			
	6690-25-22	Circuit Breaker for 6000W Heater (1x220V)	1
	6690-25-22	Circuit Breaker for 6000W Heater (3x220V)	1
	6690-25-48	Circuit Breaker for 9000W Heater (3x220V, 9KW)	1
	6690-25-21	Circuit Breaker for 6000W Heater (3x380V)	1
	6690-25-28	Circuit Breaker for 9000W Heater (3x380V, 9KW)	1
113PH			
	0361-1000-220	1000 Watt Cartridge Heater (1x220V)	6
	0361-1000-220	1000 Watt Cartridge Heater (3x220V)	6
	15300-8	1500 Watt Cartridge Heater (3x220V, 9KW)	6
	0361-1000-220	1000 Watt Cartridge Heater (3x380V)	6
	15300-8	1500 Watt Cartridge Heater (3x380V, 9KW)	6
118CB			
	6690-25-22	Circuit Breaker for 6000W Heater (1x220V)	1
	6690-25-22	Circuit Breaker for 6000W Heater (3x220V)	1
	6690-25-48	Circuit Breaker for 9000W Heater (3x220V, 9KW)	1
	6690-25-21	Circuit Breaker for 6000W Heater (3x380V)	1
	6690-25-28	Circuit Breaker for 9000W Heater (3x380V, 9KW)	1
118PH			
	0361-1000-220	1000 Watt Cartridge Heater (1x220V)	6
	0361-1000-220	1000 Watt Cartridge Heater (3x220V)	6
	15300-8	1500 Watt Cartridge Heater (3x220V, 9KW)	6
	0361-1000-220	1000 Watt Cartridge Heater (3x380V)	6
	15300-8	1500 Watt Cartridge Heater (3x380V, 9KW)	6
123CB1			
	6690-25-22	Circuit Breaker (1x220V)	1
	6690-25-22	Circuit Breaker (3x220V)	1
	6690-25-21	Circuit Breaker (3x380V)	1
123T1	6690-15-37-1	Hose Transformer	1
123ALC	6690-26-26	AmpLok Controller	1
204CB			
	6690-25-43	Circuit Breaker (1x220V)	1
	6690-25-43	Circuit Breaker (3x220V)	1

Reference Letter	Part Number	Description	Quantity
	6690-25-37	Circuit Breaker (3x380V)	1
204T1	6690-15-27	120VAC Control Transformer	1
207CB	6690-25-36	Circuit Breaker	1
210PL	6690-19-29	Bulb, 120V	1
	6690-19-30	Pilot Light; Clear Lens	1
213PB	6690-16-210	Red Mushroom Head Switch	1
	6690-16-211	Switch Block	1
213SW	6690-16-145	Amber Switch	1
	6690-19-15-11	Mounting Latch	1
	6690-16-59-1	Switch Block	1
	6690-16-60-1	Switch Block	1
213PL	6690-19-15-17	Light Base	1
	6690-19-15-20	130V Incandescent Bulb	1
215CRM	6690-1-57	Relay	1
	6690-1-58	Relay Base	1
219SW	6690-16-146	Green Lens	1
	6690-19-15-11	Mounting Latch	1
	6690-16-59-1	Switch Block	1
	6690-16-60-1	Switch Block	1
219PL	6690-19-15-17	Light Base	1
	6690-19-15-20	130V Incandescent Bulb	1
221MR	6690-27-68	Contactor	1
221AUXSW	6690-27-115	Aux Contact Block	1
227CTR	6690-29-25	Counter	1
229PL	6690-19-29	Bulb, 120V	1
	6690-19-28	Pilot Light; Amber Lens	1
231Q	6690-21-3	Quencharc	1
232SOL	6311-116-110-1	120VAC Coil	1
234PS1	6690-16-107	Pressure Switch	1
	6690-16-76-1	Din Connector	1
234PS2	6690-16-107	Pressure Switch	1
	6690-16-76-1	Din Connector	1
234SW1	6690-16-213	3 Position Switch	1
	6690-16-212	Switch Block	2
234SW2	0578A	Replacement Micro-Switch	1
235Q	6690-21-3	Quencharc	1
236SOL	6311-116-110-1	120VAC Coil	1
238PL	6690-19-29	Bulb, 120V	1
	6690-19-28	Pilot Light; Amber Lens	1
246CR	6690-1-87	Latching Relay	1
	6690-1-88	Relay Base	1
303TS1	6690-7-26	Over Temperature Safety Switch	1
303SW	6690-16-146	Green Switch	1
	6690-19-15-11	Mounting Latch	1
	6690-16-59-1	Switch Block	1
	6690-16-60-1	Switch Block	1
303PL	6690-19-15-17	Light Base	1
	6690-19-15-20	130V Incandescent Bulb	1
305CR	6690-27-68	Contactor	1
307TEMP	6690-26-29-1	Primary Heater Temperature Controller (Fahrenheit)	1
	6690-26-29-1-C	Primary Heater Temperature Controller (Celsius)	1

Reference Letter	Part Number	Description	Quantity
309CR	6690-1-55-1	Solid State Relay	1
311TC		Thermocouple	1
318TS1	6690-7-26	Over Temperature Safety Switch	1
318SW	6690-16-146	Green Lens	1
	6690-19-15-11	Mounting Latch	1
	6690-16-59-1	Switch Block	1
	6690-16-60-1	Switch Block	1
318PL	6690-19-15-17	Light Base	1
	6690-19-15-20	130V Incandescent Bulb	1
320CR	6690-27-68	Contactor	1
322TEMP	6690-26-29-1	Primary Heater Temperature Controller (Fahrenheit)	1
	6690-26-29-1-C	Primary Heater Temperature Controller (Celsius)	1
324CR	6690-1-55-1	Solid State Relay	1
326TC		Thermocouple	1
343SW	6690-16-146	Green Lens	1
	6690-19-15-11	Mounting Latch	1
	6690-16-59-1	Switch Block	1
	6690-16-60-1	Switch Block	1
343PL	6690-19-15-17	Light Base	1
	6690-19-15-20	130V Incandescent Bulb	1
345CR	6690-27-68	Contactor	1
348TEMP	6690-26-29-2	Hose Heater Temperature Controller (Fahrenheit)	1
	6690-26-29-2-C	Hose Heater Temperature Controller (Celsius)	1
350CR	6690-1-46	Solid State Relay	1
352TC		TSU	1
	63655	TSU Replacement Plug Assembly	1

NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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[illegible]

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