



Parts List

50PTOC4-04/1

50PTOT4-04/1

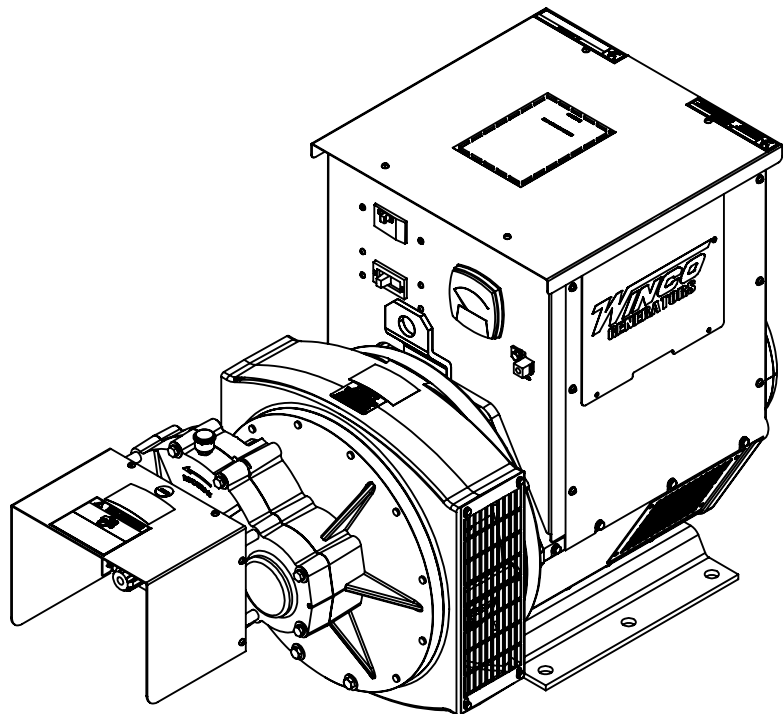
50PTOC4-17/1

50PTOT4-17/1

55PTOC4-18/1

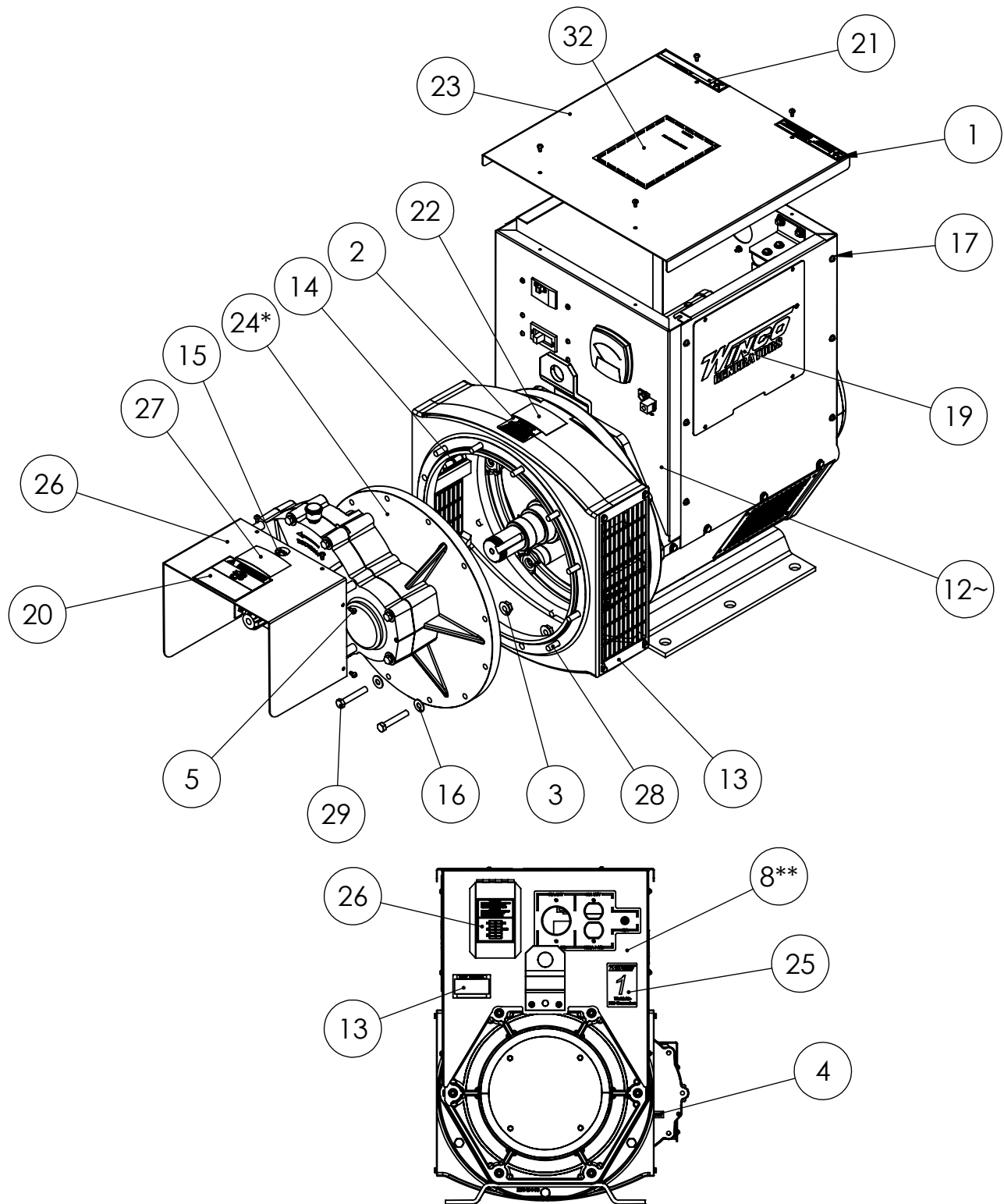
55PTOT4-18/1

55PTOC4-21/1



WINCO Service
Phone: 507-357-6831
Email: service@wincogen.com
www.wincogen.com

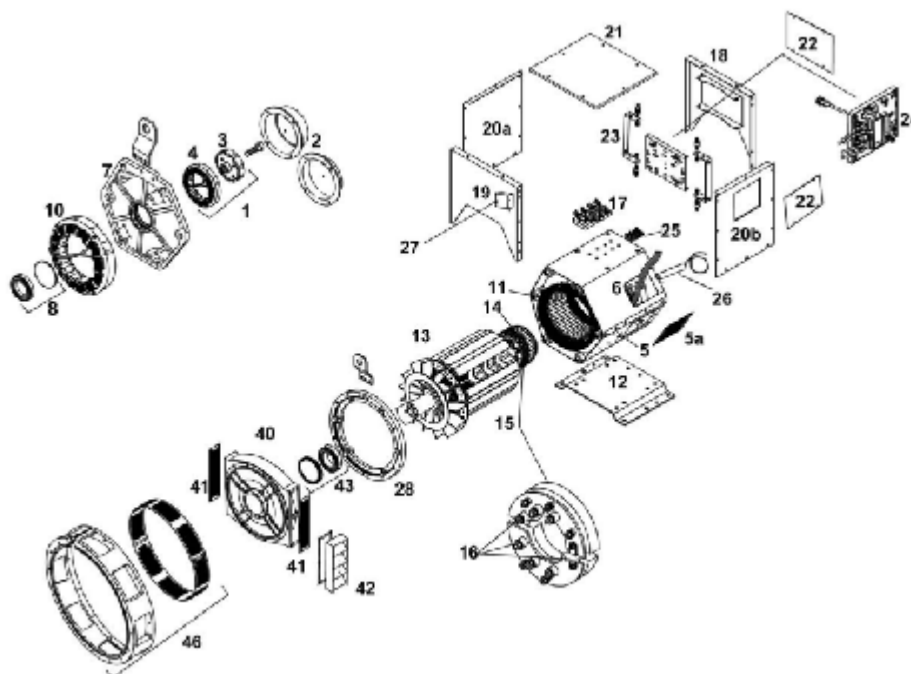
GENERAL ASSEMBLY PARTS LIST



GENERAL ASSEMBLY PARTS LIST

ITEM NO.	PART NUMBER	DESCRIPTION	
1	15209-003	UL-DECAL ELECTRICAL SHOCK CAN KILL	1
2	15209-036	PROP 65 WARNING DECAL	1
3	16250-000	.375-16 FLANGE NUT	2
4	16303-000	DECAL-OIL LEVEL	1
5	21698-001	TORX PAN HEAD SCREW #10	22
6**	300112-16	240V REC. ASSY. (2050X4-171)	1
7**	300112-24	480/600V REC. ASSY. (2055X4-181 & 205554-211)	1
8**	300112-26	208V REC ASSY. (2050X4-041)	1
9~	350028-70	208V MLCB ASSY. (2050X4-041)	1
10~	350028-72	480V MLCB ASSY. (2055X4-181)	1
11~	350028-80	600V MLCB ASSY. (205554-211)	1
12~	350028-81	240V MLCB ASSY. (2050X4-171)	1
13	351930-115	UCI224D2	1
14	481-000	LOCK .375 SPLIT	10
15	52077-000	DECAL-CAUTION OIL LEVEL	1
16	526-000	FLAT WASHER 5/16_3/8	2
17	598-000	#10 WASHER	12
18	63966-007	KIT, NAMEPLATE WINCO PTO	1
19	64214-047	WINCO LOGO	2
20	64515-000	DECAL- WARNING PTO	1
21	64516-000	DANGER STICKER	1
22	64605-000	SAFETY DECAL	1
23	64892-002	224D SERIES TOP COVER	1
24*	91099-044	SAE4 GEARCASE ASSEMBLY, 540 RPM (205054-XX1)	1
25*	91099-045	SAE4 GEARCASE ASSEMBLY, 1000 RPM (205014-XX1)	1
26	91171-000	SHIELD	1
27	91369-000	DECAL- 540 RPM	1
28	91658-003	.375-16X1.5 HHB	10
29	91658-006	3/8-16X2-1/4 GR5	2
30	98479-000	WINCO #1 WORLDWIDE DECAL	1
31	Z25273	DECAL, LOAD CONNECTIONS - 3PH 6 CAVITY	1
32	Z2553	DECAL-OPERATOR INSTRUCTIONS	1

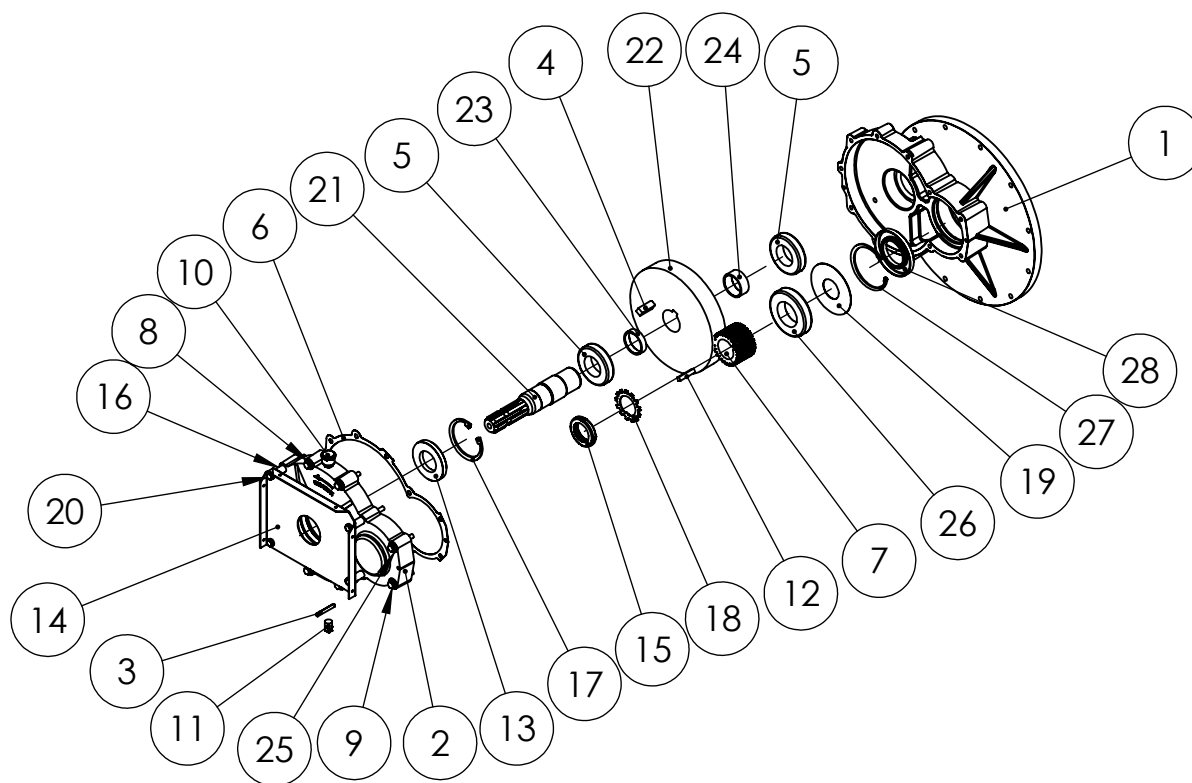
GENERATOR INFORMATION



EXPECTED RESISTANCE (Ω) @ 22C		
MODEL	UCI224D 311	UCI224D 17
STATOR WINDING (PER PHASE SERIES CONNECTED)	0.129	0.2
ROTOR WINDING	0.64	0.64
EXCITER STATOR	21	21
EXCITER ROTOR (PER PHASE)	0.071	0.071
POSITIVE SEQUENCE (R1)	0.09	0.07
NEGATIVE SEQUENCE (R2)	0.14	0.11
ZERO SEQUENCE (R0)	0.09	0.07

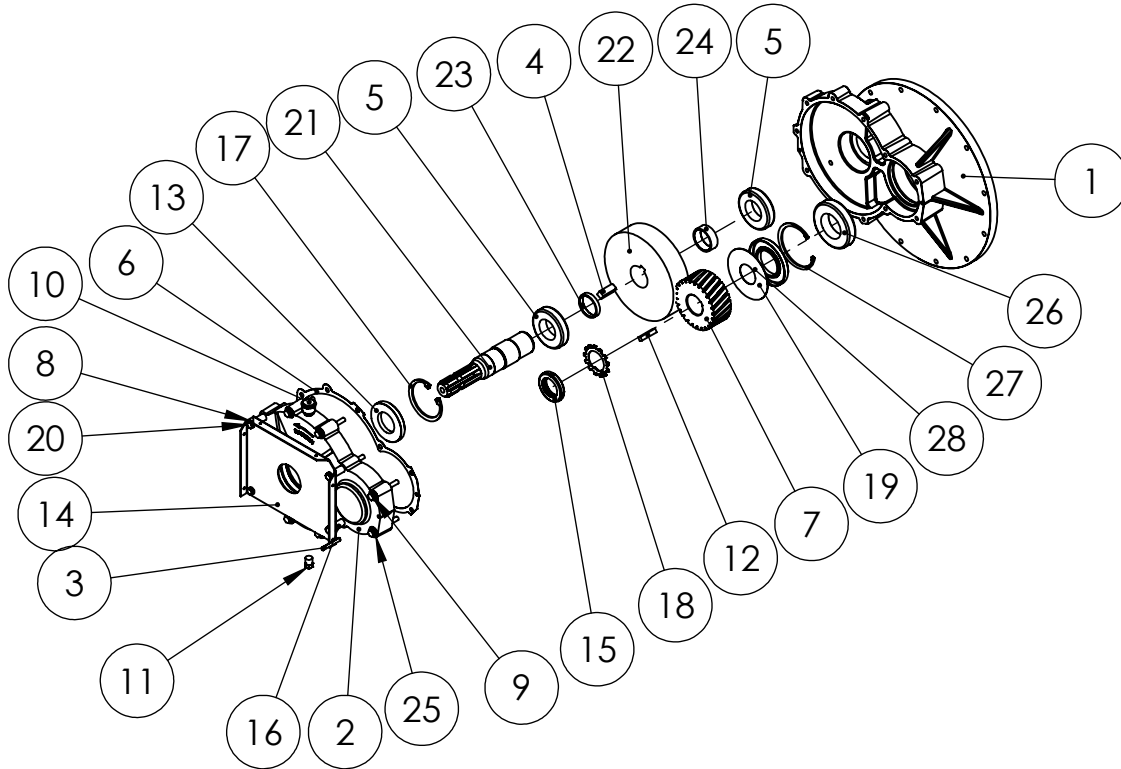
ITEM	DESCRIPTION	2050X4-XX1	205554-211
-	COMPLETE GENERATOR END	351930-115	351930-118
-	STAMFORD MODEL	UCI224D2L	UCI224D2L
-	WINDING	311	17
24	AVR AS440	350818-2	350818-2
For additional parts support, contact WINCO service			

GEARCASE ASSEMBLY (540 RPM)



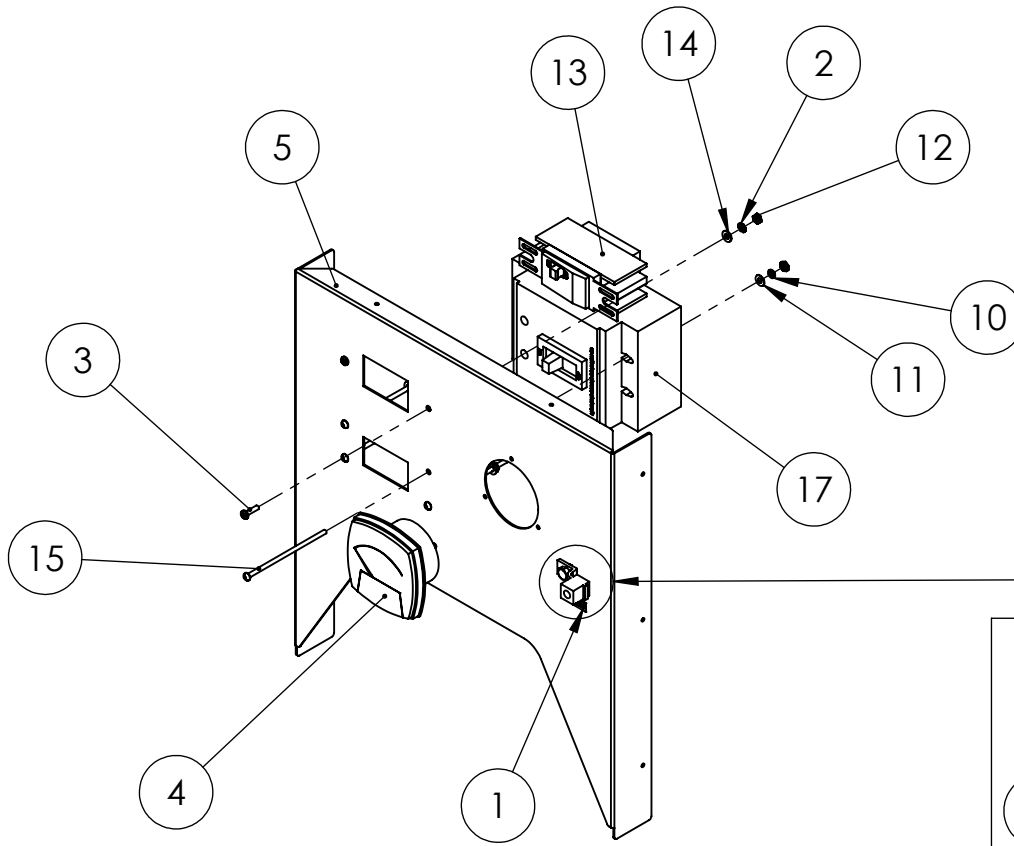
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	91100-040	GEAR CASE SUPPORT BRACKET	1
2	91099-006	GEAR BOX COVER	1
3	91106-000	SPRING PIN .25 X 1.875	2
4	91117-000	KEYSTOCK 1-15/32 X 1/2	1
5	91111-000	BEARING 6209-2RLD	2
6	91104-000	GASKET	1
7	91225-001	GEAR,SHAVED PINION,25 1.698 IN. ID , 540 RPM GEAR	1
8	480-000	LOCKWASHER 5/16 SPLIT ZINC	11
9	471-000	5/16-18 X 2.25	7
10	40716-000	BREATHER ASSEMBLY	1
11	643-000	PIPE PLUG .375	1
12	91123-001	KEY .3125 SQ X 1.625 L	1
13	91247-000	OIL SEAL 45X85X10TC	1
14	91170-001	BRACKET GUARD	1
15	65006-004	MACHINED LOCK NUT	1
16	62825-004	SPACER	4
17	91113-000	RETAINING RING 3-11/32	1
18	65006-005	GEARBOX LOCK WASHER	1
19	91345-002	SLINGER	1
20	91107-001	HHCS .3125-18 X 3.75	4
21	91344-000	SHAFT	1
22	91118-000	GEAR, DRIVER	1
23	91108-003	SPACER 2" X .125W X .468	1
24	91108-004	SPACER, RD TUBE, 2" X .125W X .813	1
25	526-000	FLAT WASHER 5/16_3/8	7
26	91112-000	BEARING 6211	1
27	91114-000	RETAINING RING 3-15/16	1
28	91247-003	OIL SEAL 55X100X10TC	1

GEARCASE ASSEMBLY (1000 RPM)



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	91100-040	GEAR CASE SUPPORT BRACKET	1
2	91099-006	GEAR BOX COVER	1
3	91106-000	SPRING PIN .25 X 1.875	2
4	91117-000	KEYSTOCK 1-15/32 X 1/2	1
5	91111-000	BEARING 6209-2RLD	2
6	91104-000	GASKET	1
7	91224-001	GEAR (PINION) 1.698 IN. ID, 1000 RPM GEAR	1
8	480-000	LOCKWASHER 5/16 SPLIT ZINC	11
9	51101-000	.3125-18 X 2.75 HHCS	7
10	40716-000	BREATHER ASSEMBLY	1
11	643-000	PIPE PLUG .375	1
12	91123-001	KEY .3125 SQ X 1.625 L	1
13	91247-000	OIL SEAL 45X85X10TC	1
14	91170-001	BRACKET GUARD	1
15	65006-004	MACHINED LOCK NUT	1
16	62825-004	SPACER	4
17	91113-000	RETAINING RING 3-11/32	1
18	65006-005	GEARBOX LOCK WASHER	1
19	91345-002	SLINGER	1
20	91107-001	HHCS .3125-18 X 3.75	4
21	91344-000	SHAFT	1
22	91248-000	DRIVER GEAR (70 TEETH, SHAVED)	1
23	91108-001	SPACER 2" X .125W X .343	1
24	91108-002	SPACER, RD TUBE, 2" X .125W X .688L	1
25	526-000	FLAT WASHER 5/16_3/8	7
26	91112-000	BEARING 6211	1
27	91114-000	RETAINING RING 3-15/16	1
28	91247-003	OIL SEAL 55X100X10TC	1

MLCB PANEL ASSEMBLY



* THIS PANEL (P/N 350028-70)
WORKS WITH MODELS
50PTOC4-041 AND
50PTOT4-041 ONLY.

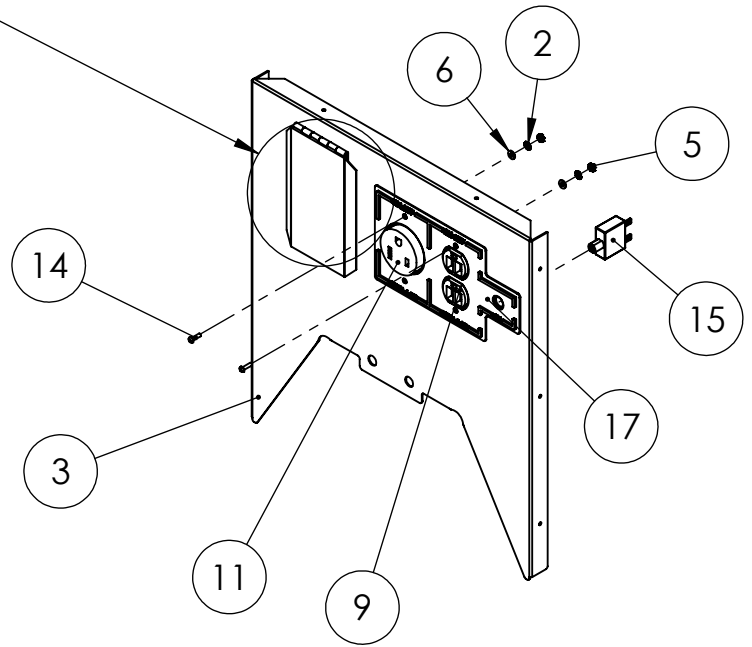
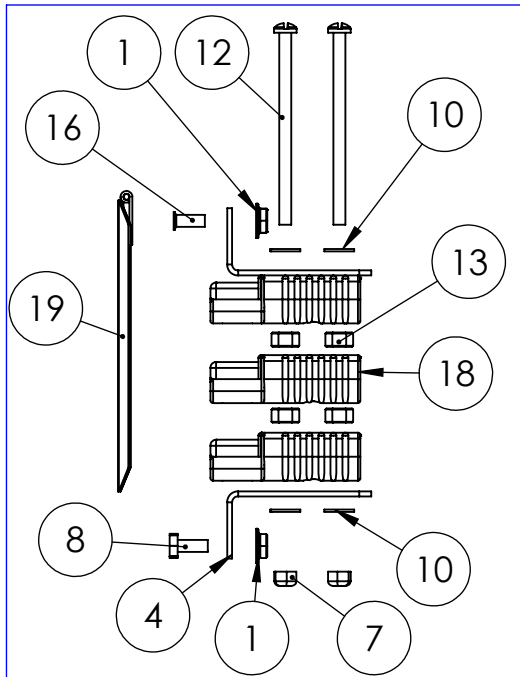
GROUND LUG ASSY.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	15750-000	GROUND DECAL	1
2	21976-000	#8 LOCKWASHER EXTERNAL TOOTH	2
3	24198-000	BHMS #8-32 X 5/8	2
4	300102	FREQUENCY METER, 55-65HZ, 120V	1
5	350028-69	120/208V AND 120/240V MLCB PANEL	1
6	439-000	HHCS 1/4-20X1 GR2	1
7	4516-000	LOCKWASHER 1/4 EXTERNAL TOOTH	1
8	47517-000	.25-20 NYLOK	1
9	48043-000	TERMINAL GROUND	1
10	484-000	LOCKWASHER #10 SPLIT	4
11	511-000	#8 FLATWASHER	4
12	5113-000	NUT HEX # 8	6
13	57030-000	CIR. BRK. 50A-2PL-240V	1
14	598-000	#10 WASHER	2
15	62583-001	RHMS 8-32 X 4	4
16	65005-000	.25 FLATWASHER SS	1
17	81096-004	175AMP 3POLE 240VOLT	1

RECEPTACLE PANEL ASSEMBLY

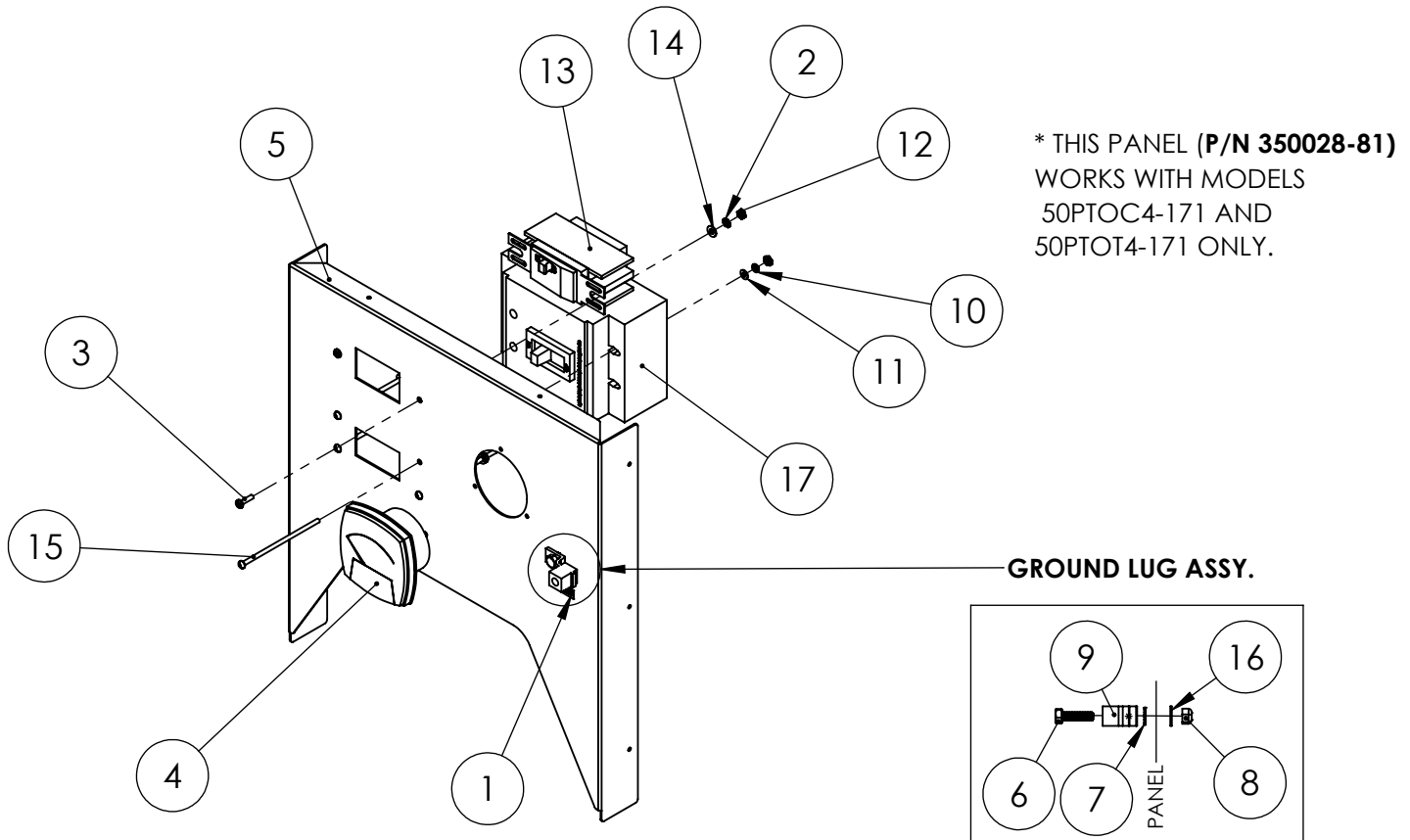
* THIS PANEL (P/N 300112-26)
WORKS WITH MODELS
50PTOC4-041 AND
50PTOT4-041 ONLY.

ANDERSON CONNECTOR ASSY.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	16248-000	.25-20 FLANGE NUT	4
2	22989-000	#6 LOCKWASHER	4
3	300112-15	120/208V AND 120/240V REC. PANEL	1
4	300117-4	CONNECTOR SUPPORT	2
5	394-000	NUT HEX #6-32	4
6	425-000	#6 FLATWASHER	4
7	47517-000	.25-20 NYLOK	2
8	476-000	.25-20X.625 HHB	2
9	50766-000	RECEPTACLE NEMA 5-20 DUPLEX	1
10	512-000	.25 WASHER	4
11	57325-000	RECEPTACLE, NEMA 6-50R	1
12	61993-002	RHMS .25-20 X 4.00	2
13	638-000	.25-20 HEX NUT	4
14	7792-001	BZ RHMS 6-32X.5	4
15	91286-001	CIRCUIT BREAKER, 20A, 1 PL	1
16	94980-001	THREAD STUD .25-20X.625	2
17	98479-002	30-50PTO 208V REC. DECAL	1
18	EE2327	HOUSING 175A	3
19	G72132-1	WELDMENT COVER ASSEMBLY	1

MLCB PANEL ASSEMBLY

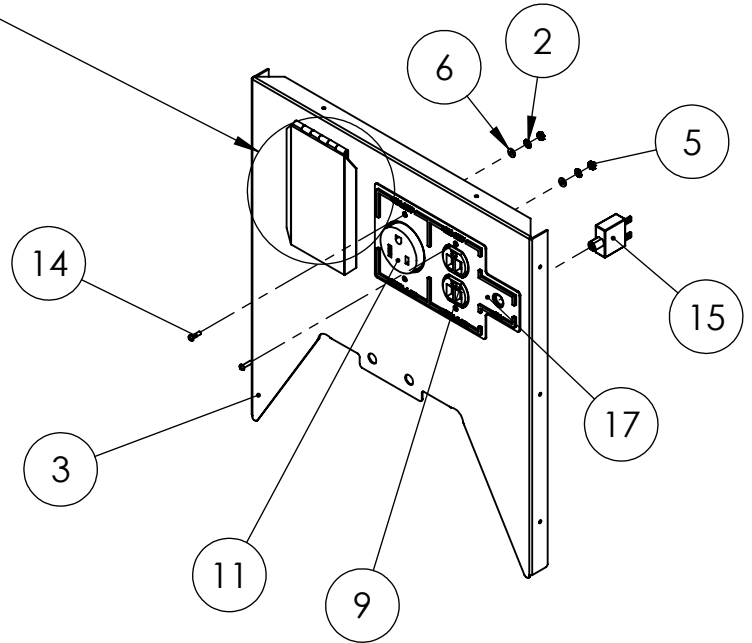
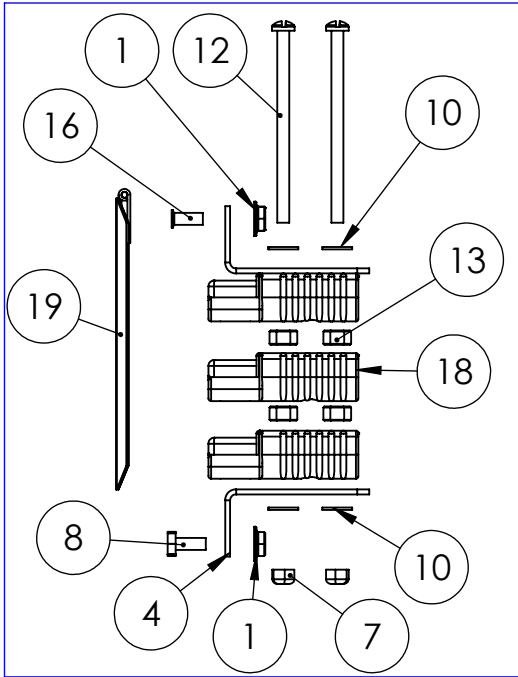


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	15750-000	GROUND DECAL	1
2	21976-000	#8 LOCKWASHER EXTERNAL TOOTH	2
3	24198-000	BHMS #8-32 X 5/8	2
4	300102	FREQUENCY METER, 55-65HZ, 120V	1
5	350028-69	120/208V AND 120/240V MLCB PANEL	1
6	439-000	HHCS 1/4-20X1 GR2	1
7	4516-000	LOCKWASHER 1/4 EXTERNAL TOOTH	1
8	47517-000	.25-20 NYLOK	1
9	48043-000	TERMINAL GROUND	1
10	484-000	LOCKWASHER #10 SPLIT	4
11	511-000	#8 FLATWASHER	4
12	5113-000	NUT HEX # 8	6
13	57030-000	CIR. BRK. 50A-2PL-240V	1
14	598-000	#10 WASHER	2
15	62583-001	RHMS 8-32 X 4	4
16	65005-000	.25 FLATWASHER SS	1
17	81096-004	175AMP 3POLE 240VOLT	1

RECEPTACLE PANEL ASSEMBLY

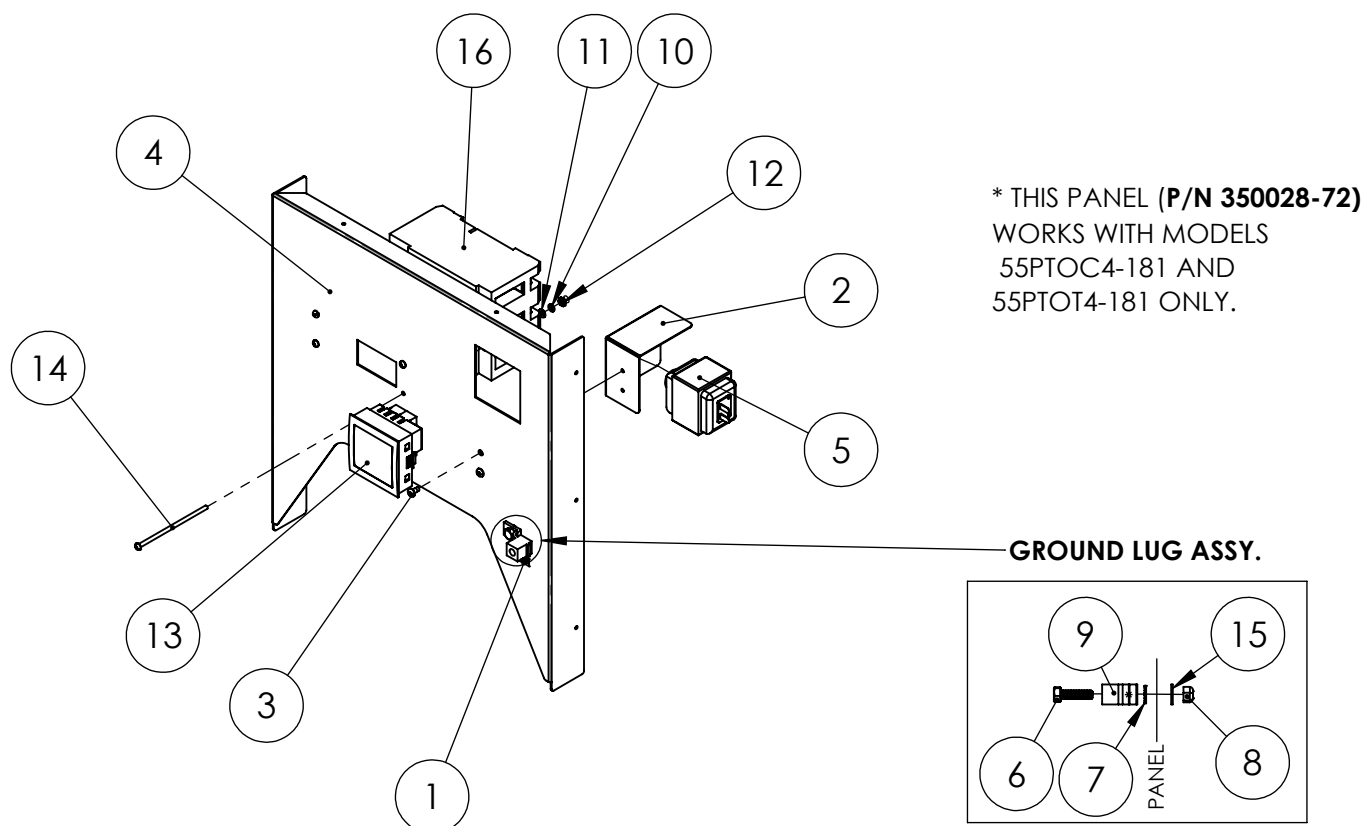
* THIS PANEL (P/N 300112-16)
WORKS WITH MODELS
50PTOC4-171 AND
50PTOT4-171 ONLY.

ANDERSON CONNECTOR ASSY.



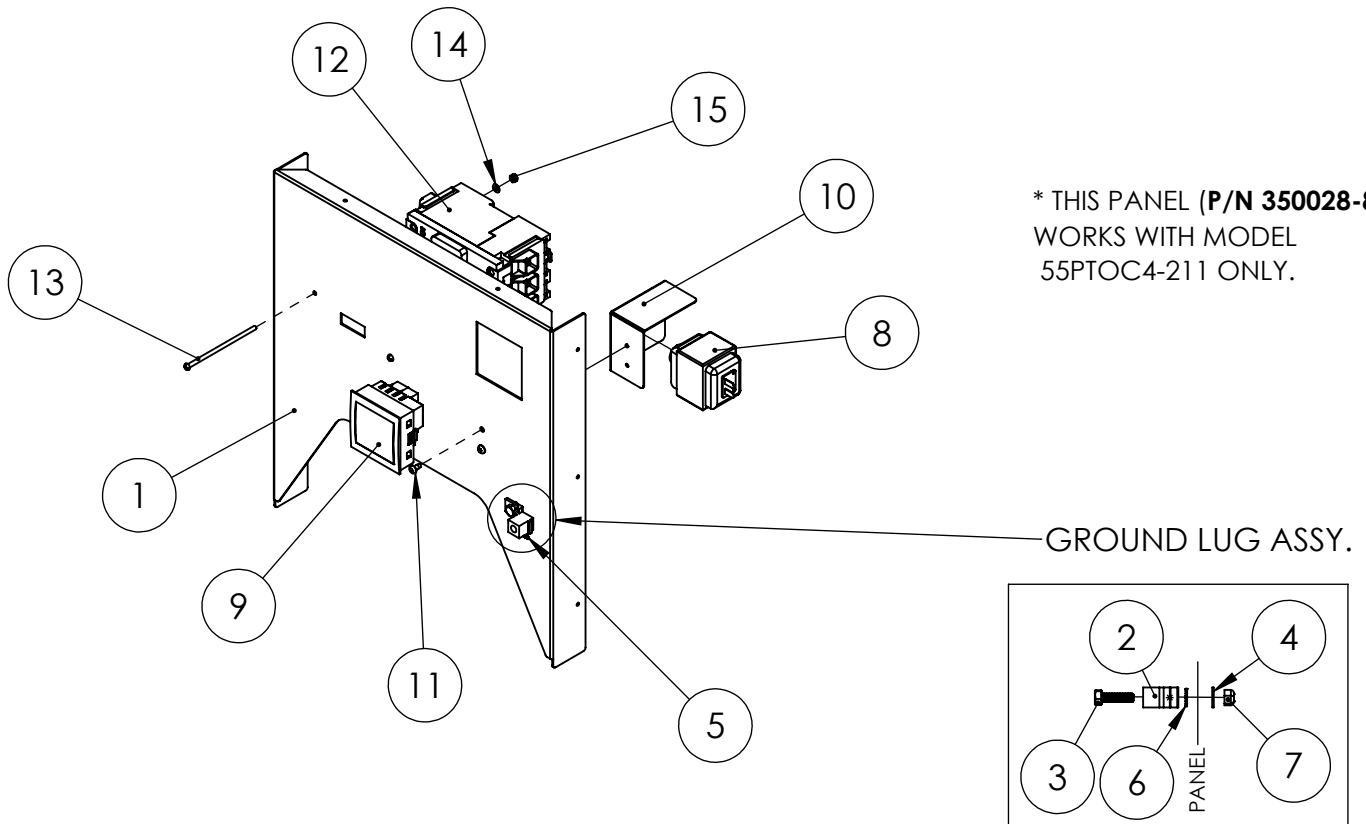
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	16248-000	.25-20 FLANGE NUT	4
2	22989-000	#6 LOCKWASHER	4
3	300112-15	120/208V AND 120/240V REC. PANEL	1
4	300117-4	CONNECTOR SUPPORT	2
5	394-000	NUT HEX #6-32	4
6	425-000	#6 FLATWASHER	4
7	47517-000	.25-20 NYLOK	2
8	476-000	.25-20X.625 HHB	2
9	50766-000	RECEPTACLE NEMA 5-20 DUPLEX	1
10	512-000	.25 WASHER	4
11	57325-000	RECEPTACLE, NEMA 6-50R	1
12	61993-002	RHMS .25-20 X 4.00	2
13	638-000	.25-20 HEX NUT	4
14	7792-001	BZ RHMS 6-32X.5	4
15	91286-001	CIRCUIT BREAKER, 20A, 1 PL	1
16	94980-001	THREAD STUD .25-20X.625	2
17	98479-002	30-50PTO 208V REC. DECAL	1
18	EE2327	HOUSING 175A	3
19	G72132-1	WELDMENT COVER ASSEMBLY	1

MLCB PANEL ASSEMBLY



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	15750-000	GROUND DECAL	1
2	15799-013	MOUNTING BRACKET (TRANSFORMER)	1
3	21698-001	TORX PAN HEAD SCREW #10	2
4	350028-71	480V MLCB PANEL	1
5	361112-000	POWER SUPPLY	1
6	439-000	HHCS 1/4-20X1 GR2	1
7	4516-000	LOCKWASHER 1/4 EXTERNAL TOOTH	1
8	47517-000	.25-20 NYLOK	1
9	48043-000	TERMINAL GROUND	1
10	484-000	#10 LOCKWASHER SPLIT	4
11	511-000	#8 FLATWASHER	4
12	5113-000	NUT HEX # 8	4
13	58172-000	FREQUENCY METER	1
14	62583-001	RHMS 8-32 X 4	4
15	65005-000	.25 FLATWASHER SS	1
16	81097-006	CIR.BRK. 80A-3PL-480V	1

MLCB PANEL ASSEMBLY

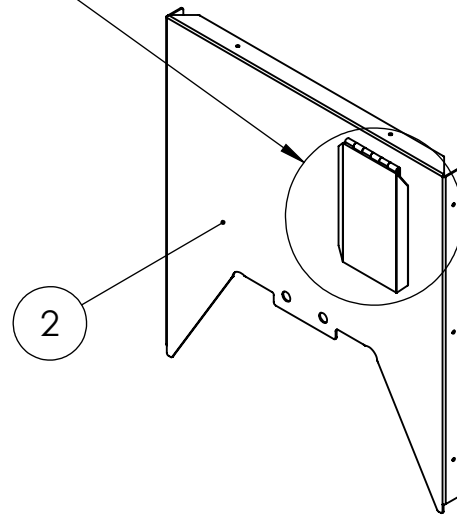
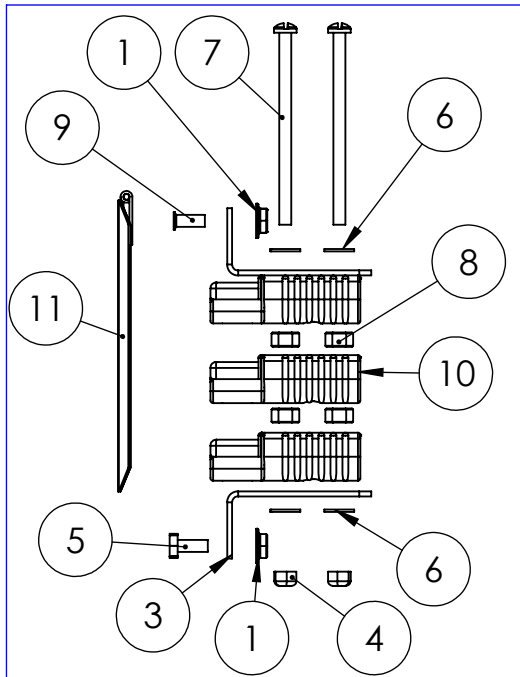


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	350028-79	346/600V MLCB PANEL	1
2	48043-000	TERMINAL GROUND	1
3	439-000	HHCS 1/4-20X1 GR2	1
4	65005-000	.25 FLATWASHER SS	1
5	15750-000	GROUND DECAL	1
6	4516-000	LOCKWASHER 1/4 EXTERNAL TOOTH	1
7	47517-000	.25-20 NYLOK	1
8	361112-000	POWER SUPPLY	1
9	58172-000	FREQUECY METER	1
10	15799-013	MOUNTING BRACKET (TRANSFORMER)	1
11	21698-001	TORX PAN HEAD SCREW #10	2
12	81097-061	80A-3PL-600V CIRCUIT BREAKER	1
13	62583-001	8-32X4 RHMS	2
14	511-000	#8 FLATWASHER	2
15	95985-000	#8-32 NYLOK HEX NUT	2

RECEPTACLE PANEL ASSEMBLY

* THIS PANEL (P/N 300112-24)
WORKS WITH MODELS
55PTOC4-181, 55PTOT4-181,
AND 55PTOC4-211 ONLY.

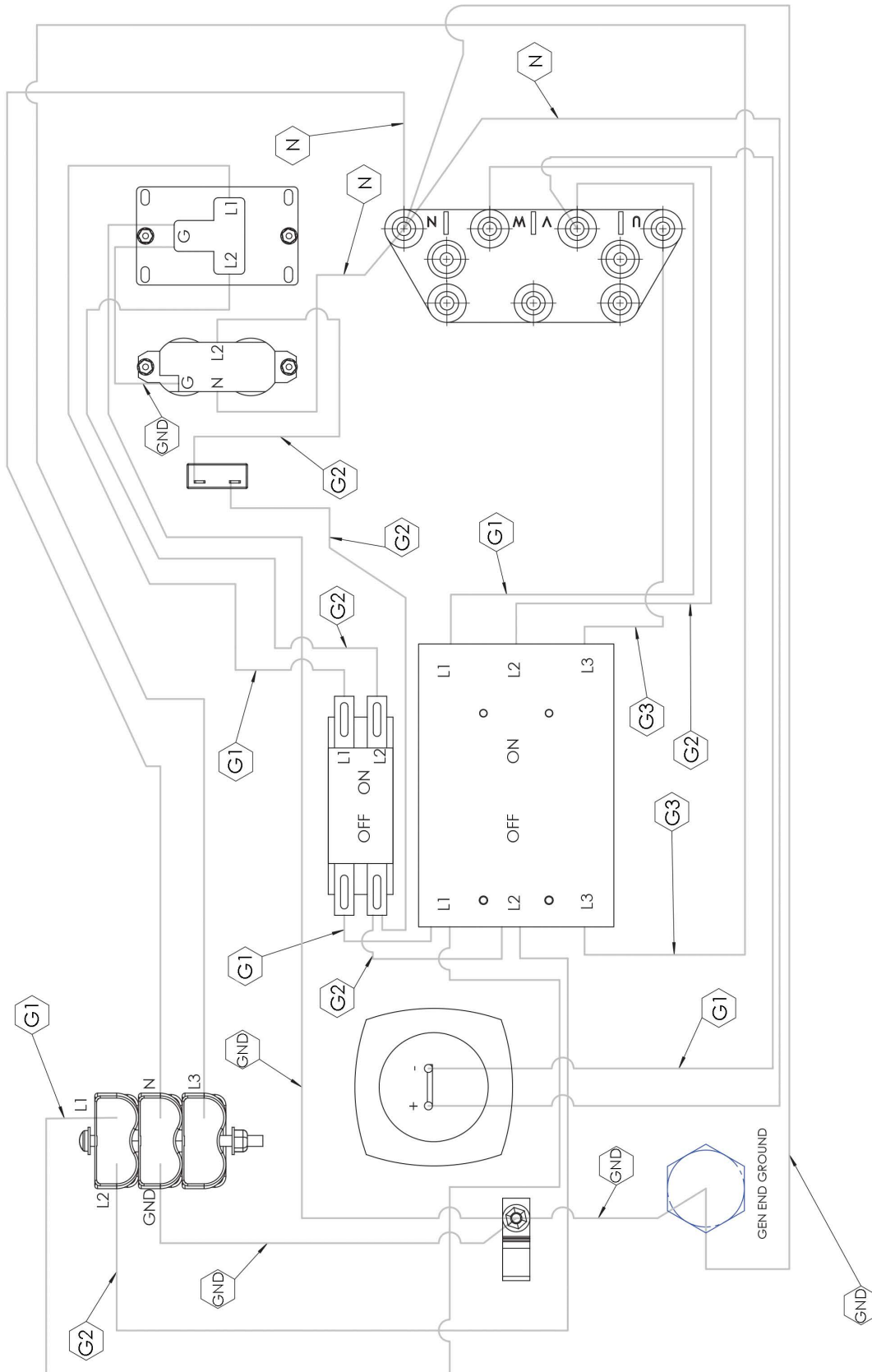
ANDERSON CONNECTOR ASSY.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	16248-000	.25-20 FLANGE NUT	4
2	300112-23	277/480V REC. PANEL	1
3	300117-4	CONNECTOR SUPPORT	2
4	47517-000	.25-20 NYLOK	2
5	476-000	.25-20X.625 HHB	2
6	512-000	.25 WASHER	4
7	61993-002	RHMS .25-20 X 4.00	2
8	638-000	.25-20 HEX NUT	4
9	94980-001	THREAD STUD .25-20X.625	2
10	EE2327	HOUSING 175A	3
11	G72132-1	WELDMENT COVER ASSEMBLY	1

WIRING DIAGRAM

120/208 & 120/240 3-PH



WIRING DIAGRAM

277/480 3-PH

