



## Parts List

**30PTOC4-04/1**

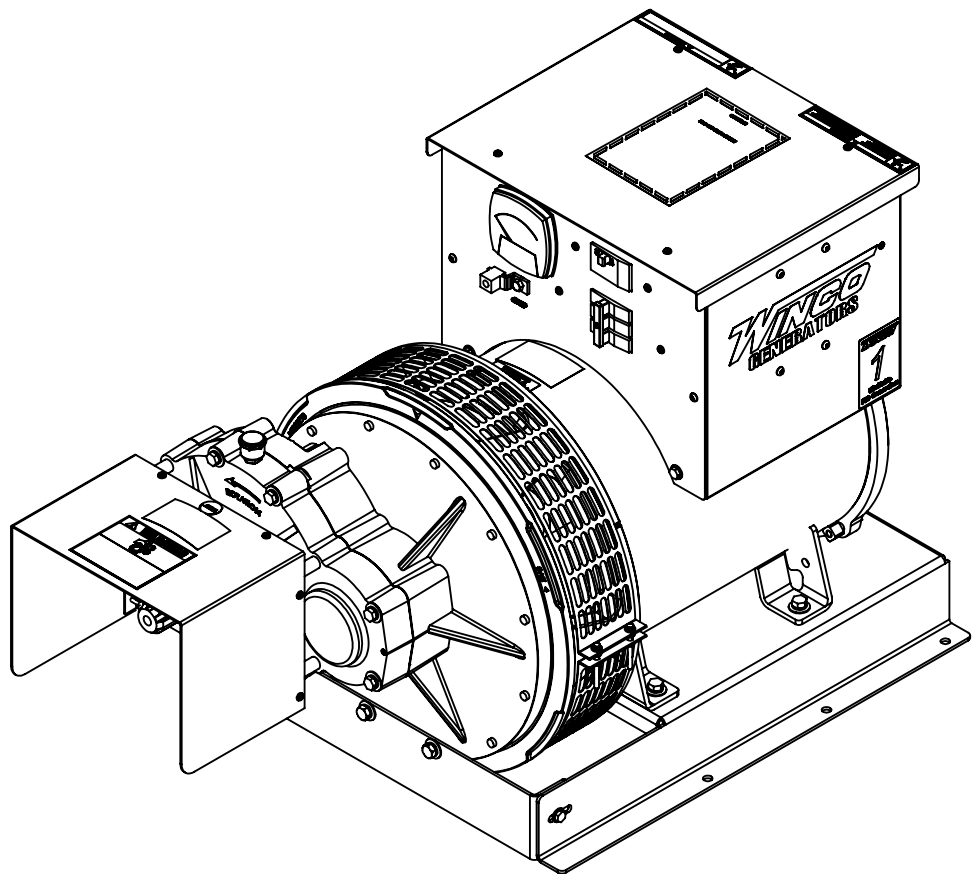
**30PTOT4-04/1**

**30PTOC4-17/1**

**30PTOT4-17/1**

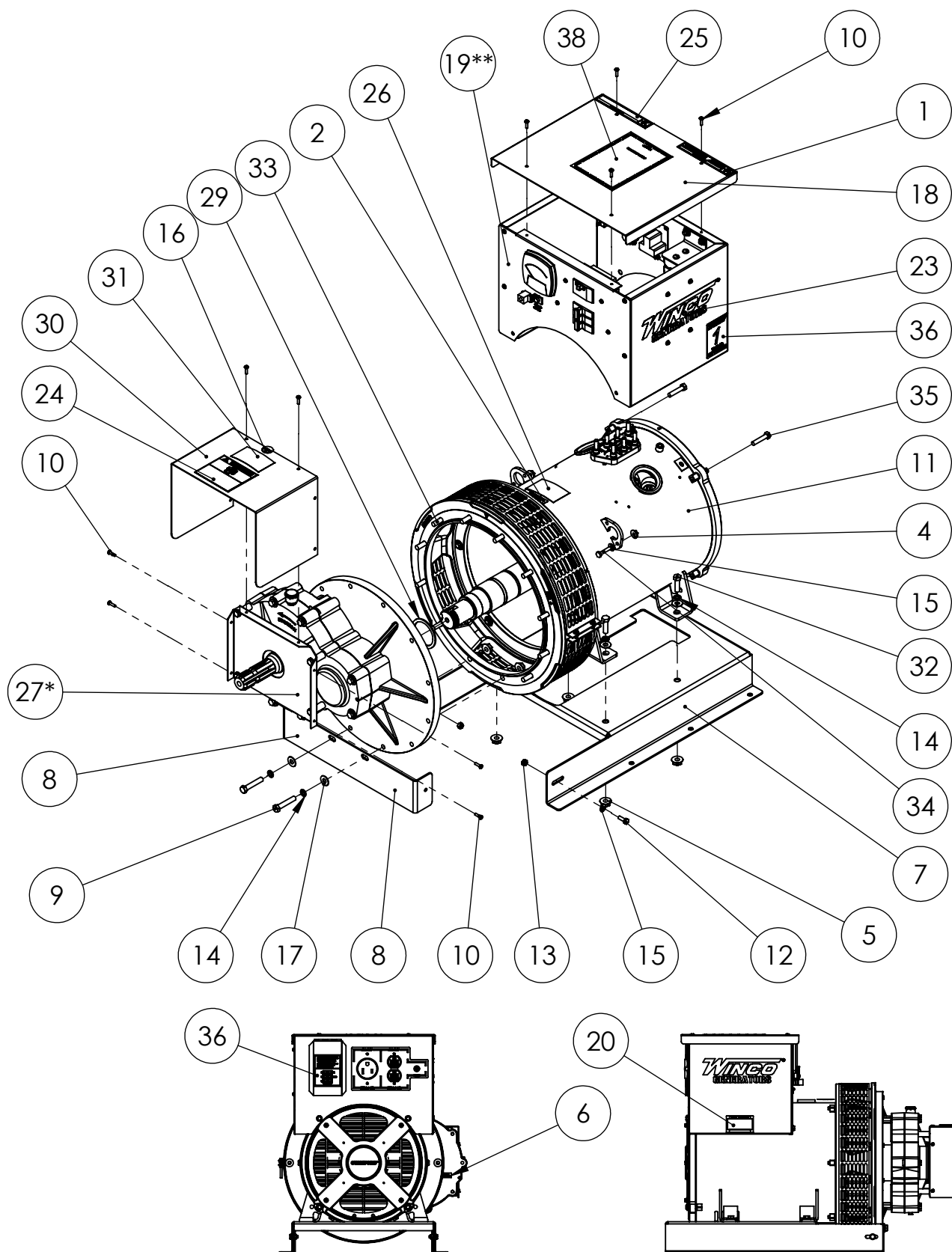
**35PTOC4-18/1**

**35PTOT4-18/1**



**WINCO Service**  
Phone: 507-357-6831  
Email: [service@wincogen.com](mailto:service@wincogen.com)  
[www.wincogen.com](http://www.wincogen.com)

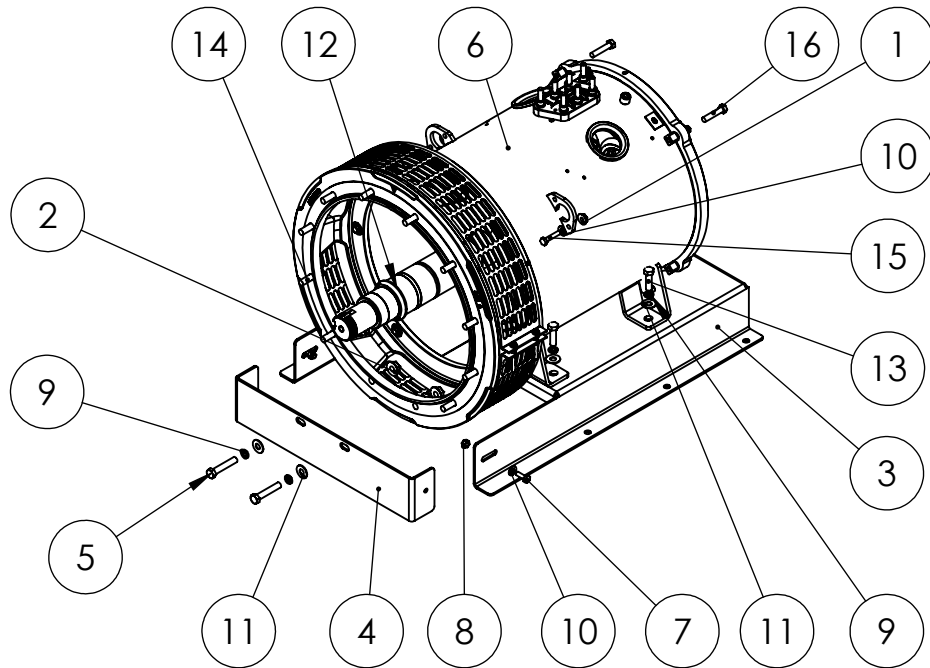
# ASSEMBLY PARTS LIST



# GENERAL ASSEMBLY PARTS LIST

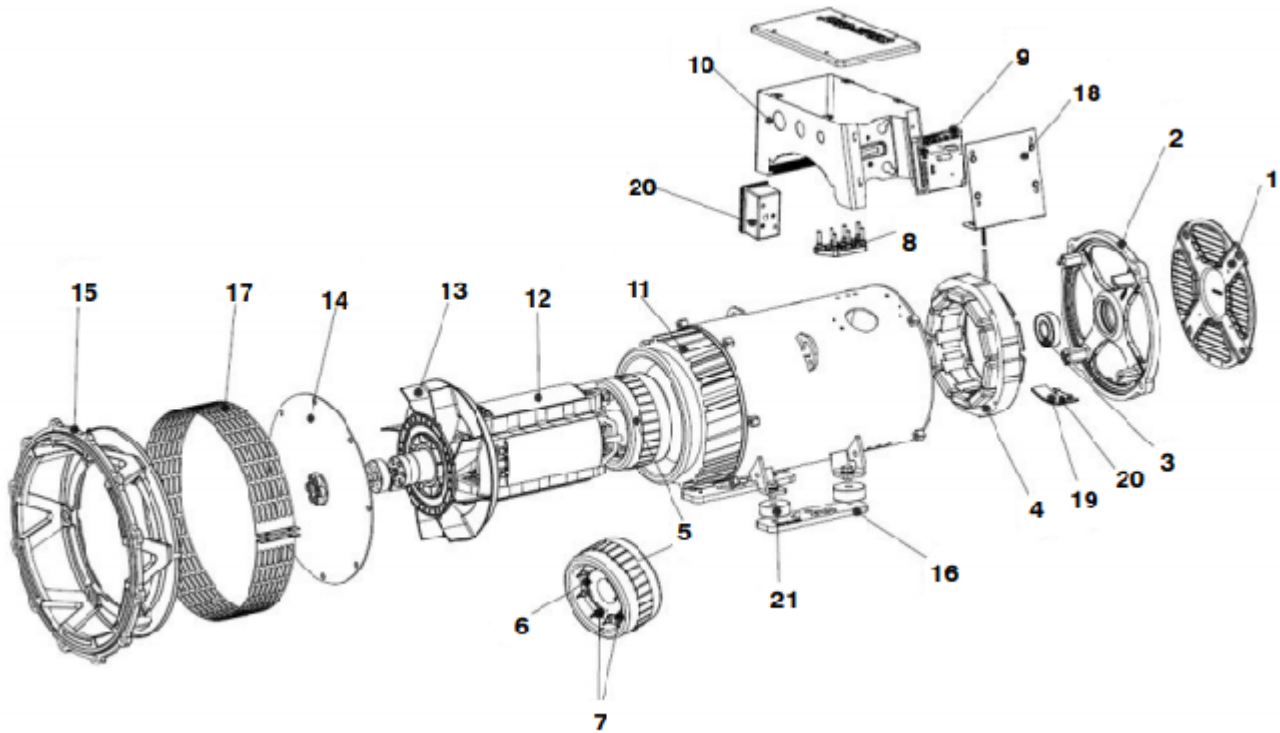
| ITEM NO. | PART NUMBER | DESCRIPTION                                   |    |
|----------|-------------|-----------------------------------------------|----|
| 1        | 15209-003   | UL-DECAL ELECTRICAL SHOCK CAN KILL            | 1  |
| 2        | 15209-036   | PROP 65 WARNING DECAL                         | 1  |
| 3        | 15750-000   | GROUND DECAL                                  | 1  |
| 4        | 16248-000   | .25-20 FLANGE NUT                             | 2  |
| 5        | 16250-000   | .375-16 FLANGE NUT                            | 6  |
| 6        | 16303-000   | DECAL-OIL LEVEL                               | 1  |
| 7        | 16406-015   | BASE                                          | 1  |
| 8        | 16406-016   | GEAR CASE SUPPORT                             | 1  |
| 9        | 21594-000   | HHCS .375-16 X 2                              | 2  |
| 10       | 24198-001   | BHMS #8-32 X 5/8 BLACK                        | 10 |
| 11       | 350023-10   | S1L2 GENERATOR                                | 1  |
| 12       | 466-000     | .25-20X.75 HHB                                | 2  |
| 13       | 47517-000   | .25-20 NYLOK                                  | 2  |
| 14       | 481-000     | LOCK .375 SPLIT                               | 16 |
| 15       | 512-000     | .25 WASHER                                    | 4  |
| 16       | 52077-000   | DECAL-CAUTION OIL LEVEL                       | 1  |
| 17       | 526-000     | FLAT WASHER 5/16_3/8                          | 6  |
| 18       | 60944-005   | TOP COVER                                     | 1  |
| 19**     | 61000-022   | 30PTO 240V REC AND MLCB ASSY. (2030X4-171)    | 1  |
| 20**     | 61000-023   | 35PTO 480V REC AND MLCB ASSY. (2035X4-181)    | 1  |
| 21**     | 61000-024   | 30PTO 208V REC AND MLCB ASSY. (2030X4-041)    | 1  |
| 22       | 63966-007   | KIT, NAMEPLATE WINCO PTO                      | 1  |
| 23       | 64214-047   | WINCO LOGO                                    | 2  |
| 24       | 64515-000   | DECAL- WARNING PTO                            | 1  |
| 25       | 64516-000   | DANGER STICKER                                | 1  |
| 26       | 64605-000   | SAFETY DECAL                                  | 1  |
| 27*      | 91099-044   | SAE4 GEARCASE ASSEMBLY, 540 RPM (203054-XX1)  | 1  |
| 28*      | 91099-045   | SAE4 GEARCASE ASSEMBLY, 1000 RPM (203014-XX1) | 1  |
| 29       | 91114-002   | BEARING RETAINER                              | 1  |
| 30       | 91171-000   | SHIELD                                        | 1  |
| 31       | 91369-000   | DECAL- 540 RPM                                | 1  |
| 32       | 91658-002   | HHCS 3/8-16X1.25                              | 4  |
| 33       | 91658-003   | .375-16X1.5 HHB                               | 10 |
| 34       | 95281-000   | HHCS 1/4-20X1-1/4 GR2                         | 2  |
| 35       | 96002-040   | M8-1.25X40MM                                  | 2  |
| 36       | 98479-000   | WINCO #1 WORLDWIDE DECAL                      | 1  |
| 37       | Z25273      | DECAL, LOAD CONNECTIONS - 3PH 6 CAVITY        | 1  |
| 38       | Z2553       | DECAL-OPERATOR INSTRUCTIONS                   | 1  |

# GENERATOR AND BASE



| ITEM NO. | PART NUMBER | DESCRIPTION           | QTY. |
|----------|-------------|-----------------------|------|
| 1        | 16248-000   | .25-20 FLANGE NUT     | 2    |
| 2        | 16250-000   | .375-16 FLANGE NUT    | 6    |
| 3        | 16406-015   | BASE                  | 1    |
| 4        | 16406-016   | GEAR CASE SUPPORT     | 1    |
| 5        | 21594-000   | HHCS .375-16 X 2      | 2    |
| 6        | 350023-10   | S1L2 GENERATOR        | 1    |
| 7        | 466-000     | .25-20X.75 HHB        | 2    |
| 8        | 47517-000   | .25-20 NYLOK          | 2    |
| 9        | 481-000     | LOCK .375 SPLIT       | 16   |
| 10       | 512-000     | .25 WASHER            | 4    |
| 11       | 526-000     | FLAT WASHER 5/16_3/8  | 6    |
| 12       | 91114-002   | BEARING RETAINER      | 1    |
| 13       | 91658-002   | HHCS 3/8-16X1.25      | 4    |
| 14       | 91658-003   | .375-16X1.5 HHB       | 10   |
| 15       | 95281-000   | HHCS 1/4-20X1-1/4 GR2 | 2    |
| 16       | 96002-040   | M8-1.25X40MM          | 2    |

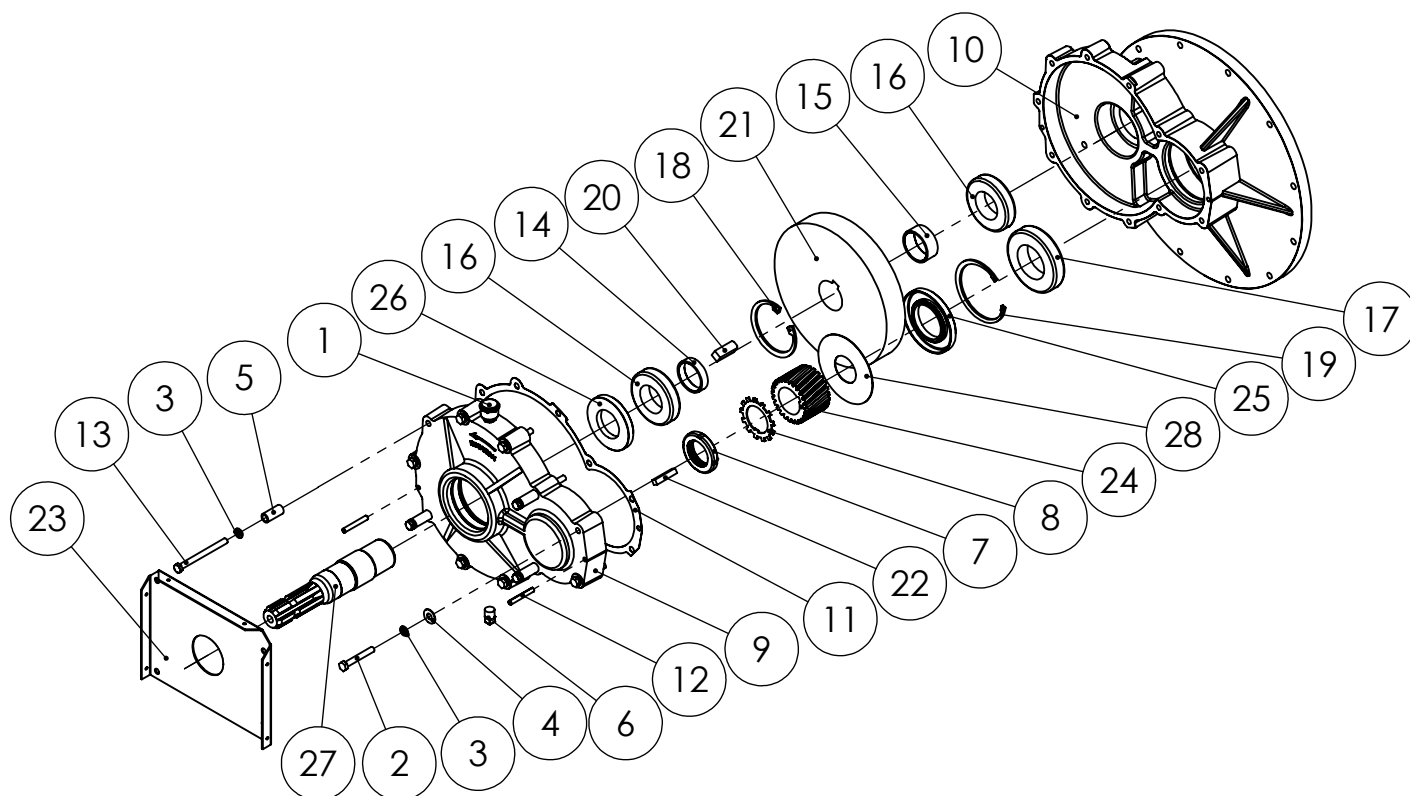
# GENERATOR INFORMATION



| ITEM                                                 | DESCRIPTION            | 2030X4-XX1 |
|------------------------------------------------------|------------------------|------------|
| -                                                    | COMPLETE GENERATOR END | 350023-10  |
| -                                                    | STAMFORD MODEL         | S1L2-J2L   |
| -                                                    | WINDING                | 711        |
| 9                                                    | AVR AS540              | 8-101      |
| For additional parts support, contact WINCO service. |                        |            |

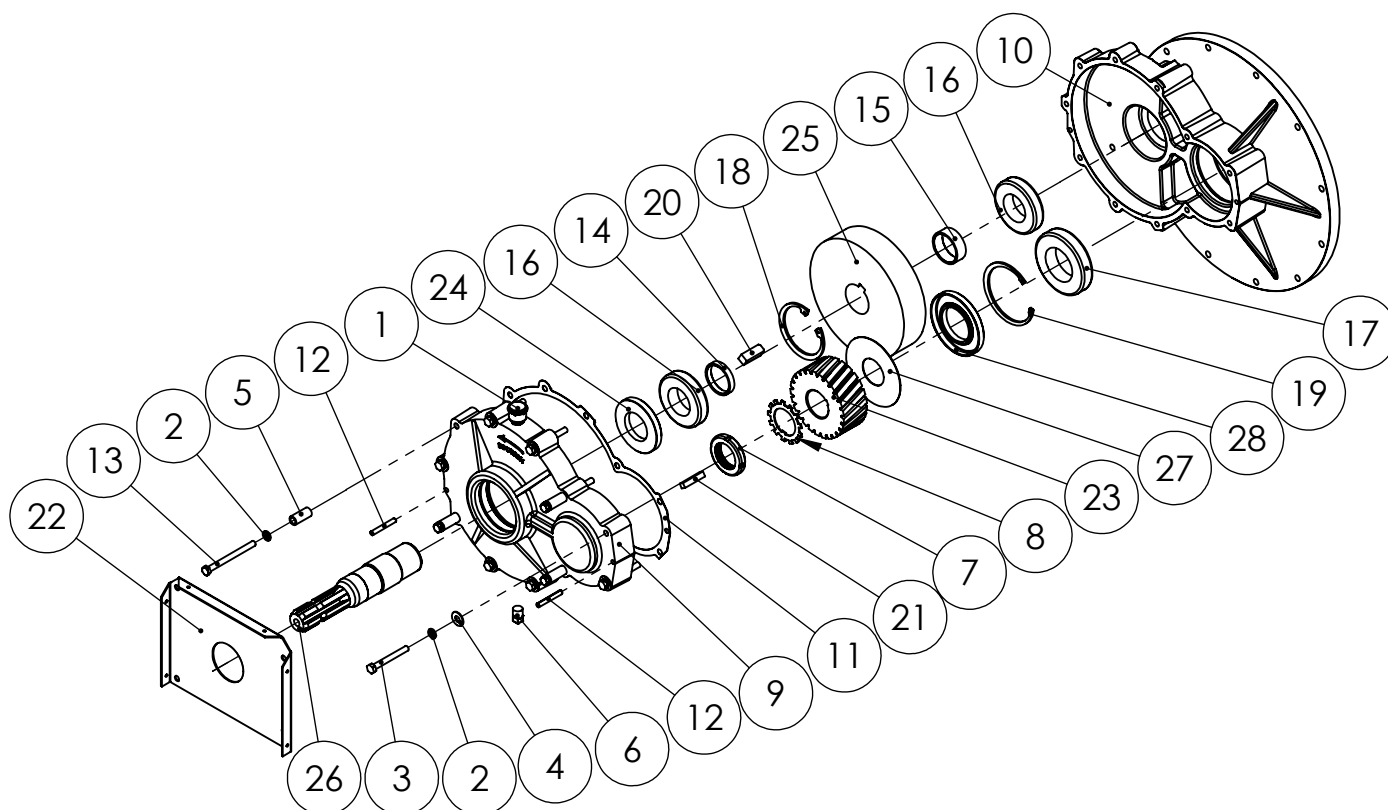
| EXPECTED RESISTANCE ( $\Omega$ ) @ 22C      |              |
|---------------------------------------------|--------------|
| MODEL                                       | S1L2-J2L 711 |
| STATOR WINDING (PER PHASE SERIES CONNECTED) | 0.203        |
| ROTOR WINDING                               | 0.925        |
| EXCITER STATOR                              | 16.44        |
| EXCITER ROTOR (PER PHASE)                   | 0.207        |
| POSITIVE SEQUENCE (R1)                      | 0.075        |
| NEGATIVE SEQUENCE (R2)                      | 0.197        |
| ZERO SEQUENCE (R0)                          | 0.040        |
| AUX WINDING                                 | 4.24         |

# GEARCASE ASSEMBLY (540 RPM)



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

# GEARCASE ASSEMBLY (1000 RPM)

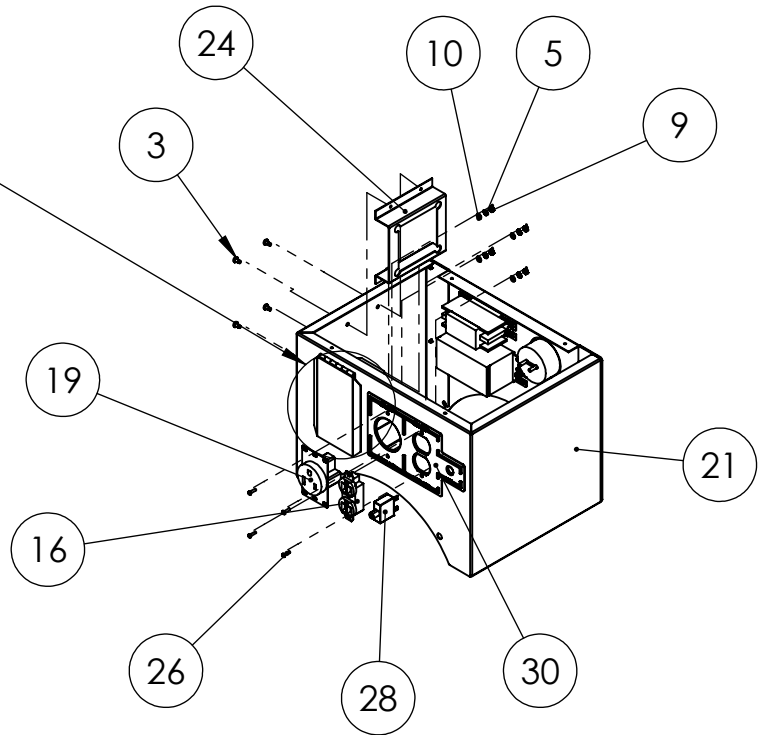
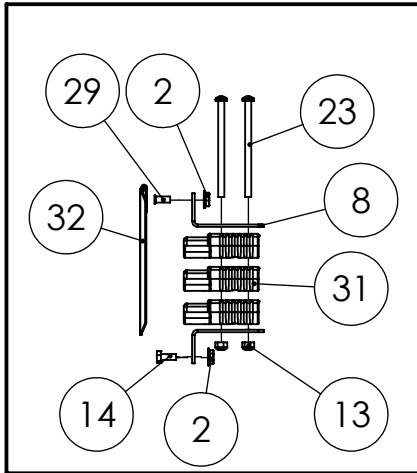


| ITEM NO. | PART NUMBER | DESCRIPTION                               | QTY. |
|----------|-------------|-------------------------------------------|------|
| 1        | 40716-000   | BREATHER ASSEMBLY                         | 1    |
| 2        | 480-000     | LOCKWASHER 5/16 SPLIT ZINC             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

# RECEPTACLE AND CB PANEL ASSEMBLY

PN: 61000-024 30PTO 208V REC. AND MLCB ASSY.

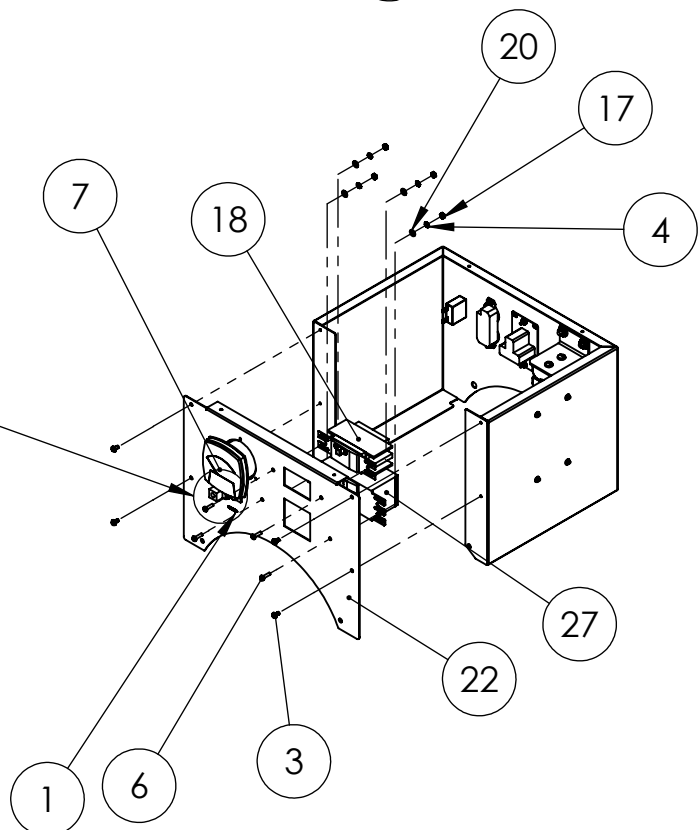
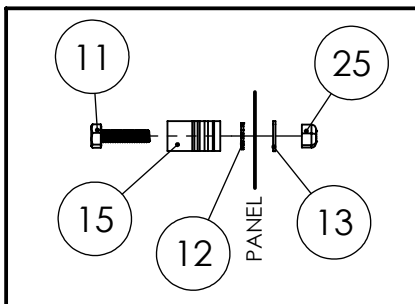
ANDERSON CONNECTOR ASSY.



\*FOR MODELS: 30PTOC4-04/1

30PTOT4-04/1

GROUND LUG ASSEMBLY





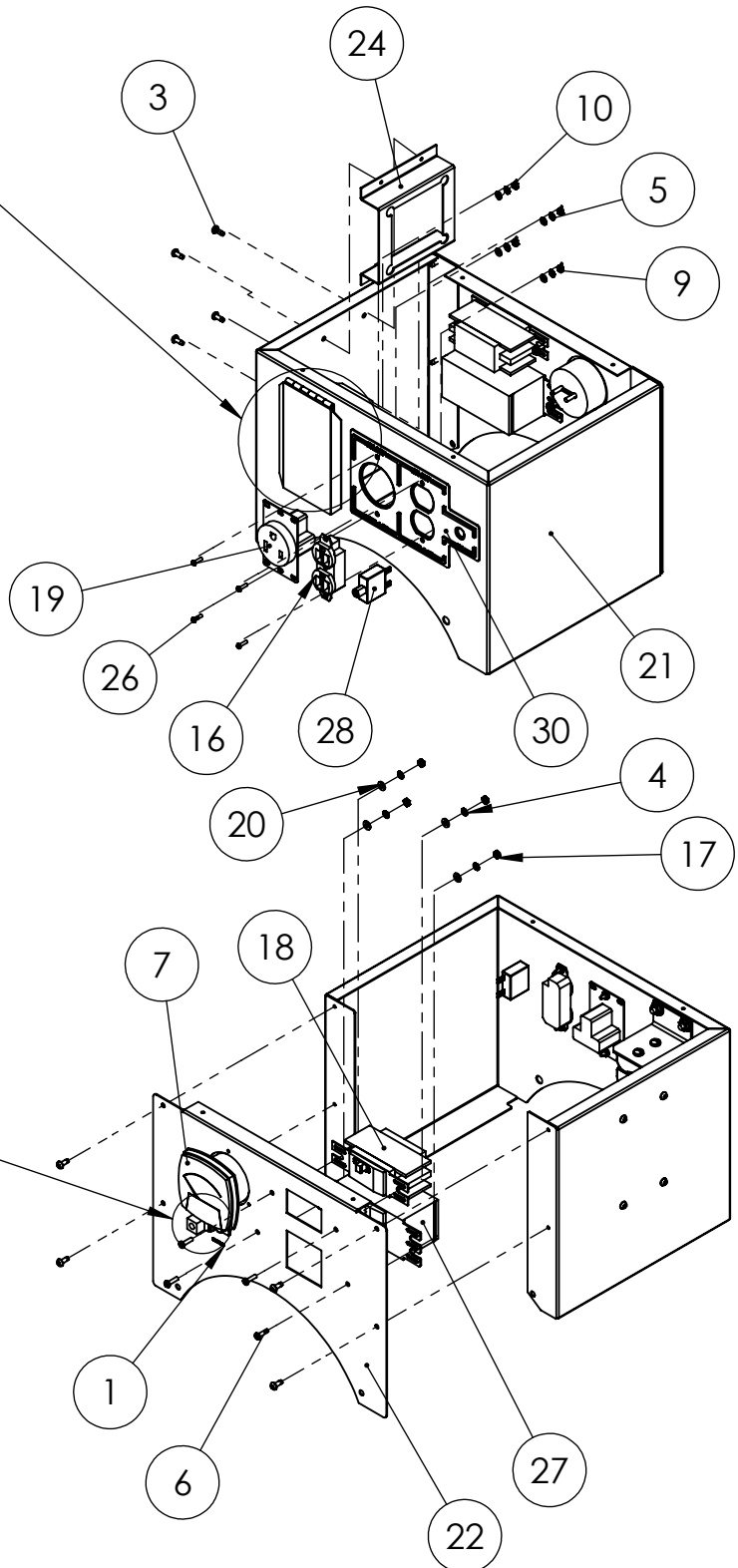
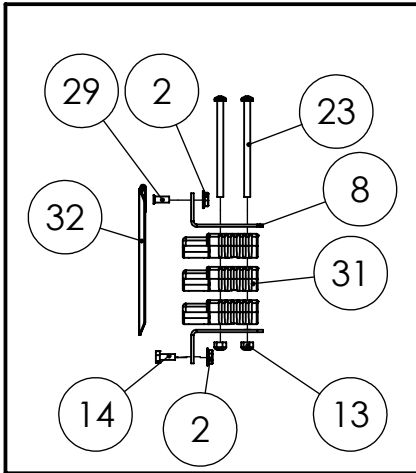
# RECEPTACLE AND CB PANEL ASSEMBLY

| ITEM NO. | PART NUMBER | DESCRIPTION                    | QTY. |
|----------|-------------|--------------------------------|------|
| 1        | 15750-000   | GROUND DECAL                   | 1    |
| 2        | 16248-000   | .25-20 FLANGE NUT              | 4    |
| 3        | 21698-001   | TORX PAN HEAD SCREW #10        | 8    |
| 4        | 21976-000   | #8 LOCKWASHER EXTERNAL TOOTH   | 4    |
| 5        | 22989-000   | #6 LOCKWASHER                  | 4    |
| 6        | 24198-001   | BHMS #8-32 X 5/8 BLACK         | 4    |
| 7        | 300102      | FREQUENCY METER, 55-65HZ, 120V | 1    |
| 8        | 300117-4    | CONNECTOR SUPPORT              | 2    |
| 9        | 394-000     | NUT HEX #6-32                  | 4    |
| 10       | 425-000     | #6 FLATWASHER                  | 4    |
| 11       | 439-000     | HHCS 1/4-20X1 GR2              | 1    |
| 12       | 4516-000    | LOCKWASHER 1/4 EXTERNAL TOOTH  | 1    |
| 13       | 47517-000   | .25-20 NYLOK                   | 3    |
| 14       | 476-000     | .25-20X.625 HHB                | 2    |
| 15       | 48043-000   | TERMINAL GROUND                | 1    |
| 16       | 50766-000   | RECEPTACLE NEMA 5-20 DUPLEX    | 1    |
| 17       | 5113-000    | NUT HEX # 8                    | 4    |
| 18       | 57030-000   | CIR. BRK. 50A-2PL-240V         | 1    |
| 19       | 57325-000   | RECEPTACLE, NEMA 6-50R         | 1    |
| 20       | 598-000     | #10 WASHER                     | 4    |
| 21       | 61110-006   | 208V/240v REC. PANEL           | 1    |
| 22       | 61111-004   | MLCB PANEL                     | 1    |
| 23       | 61993-002   | RHMS .25-20 X 4.00             | 2    |
| 24       | 64893-005   | AVR MOUNT                      | 1    |
| 25       | 65005-000   | .25 FLATWASHER SS              | 1    |
| 26       | 7792-001    | BZ RHMS 6-32X.5                | 4    |
| 27       | 82584-004   | CIR.BRK.100A-3PL-240V          | 1    |
| 28       | 91286-001   | CIRCUIT BREAKER, 20A, 1 PL     | 1    |
| 29       | 94980-001   | THREAD STUD .25-20X.625        | 2    |
| 30       | 98479-002   | 30-50PTO 208V REC. DECAL       | 1    |
| 31       | EE2327      | HOUSING 175A                   | 3    |
| 32       | G72132-1    | WELDMENT COVER ASSEMBLY        | 1    |

# RECEPTACLE AND CB PANEL ASSEMBLY

PN: 61000-022 30PTO 240V REC. AND MLCB ASSY.

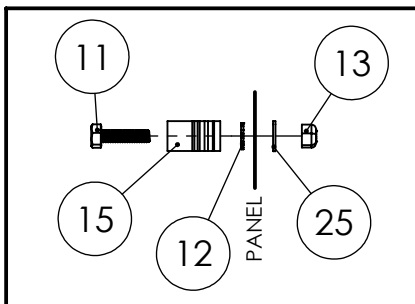
ANDERSON CONNECTOR ASSY.



\*FOR MODELS: 30PTOC4-17/1

30PTOT4-17/1

GROUND LUG ASSEMBLY



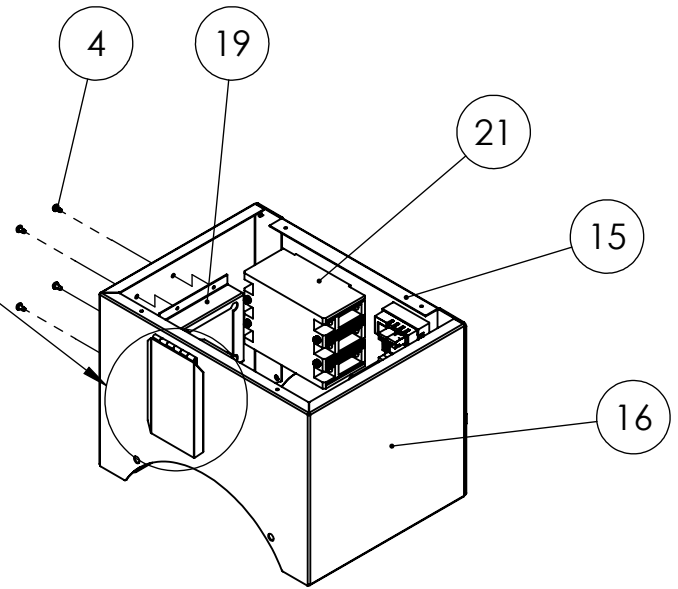
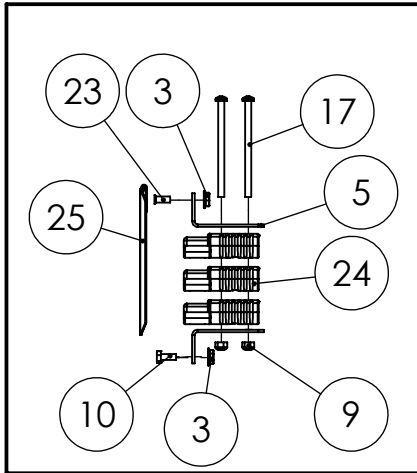
# RECEPTACLE AND CB PANEL ASSEMBLY

| ITEM NO. | PART NUMBER | DESCRIPTION                    | QTY. |
|----------|-------------|--------------------------------|------|
| 1        | 15750-000   | GROUND DECAL                   | 1    |
| 2        | 16248-000   | .25-20 FLANGE NUT              | 4    |
| 3        | 21698-001   | TORX PAN HEAD SCREW #10        | 8    |
| 4        | 21976-000   | #8 LOCKWASHER EXTERNAL TOOTH   | 4    |
| 5        | 22989-000   | #6 LOCKWASHER                  | 4    |
| 6        | 24198-001   | BHMS #8-32 X 5/8 BLACK         | 4    |
| 7        | 300102      | FREQUENCY METER, 55-65HZ, 120V | 1    |
| 8        | 300117-4    | CONNECTOR SUPPORT              | 2    |
| 9        | 394-000     | NUT HEX #6-32                  | 4    |
| 10       | 425-000     | #6 FLATWASHER                  | 4    |
| 11       | 439-000     | HHCS 1/4-20X1 GR2              | 1    |
| 12       | 4516-000    | LOCKWASHER 1/4 EXTERNAL TOOTH  | 1    |
| 13       | 47517-000   | .25-20 NYLOK                   | 3    |
| 14       | 476-000     | .25-20X.625 HHB                | 2    |
| 15       | 48043-000   | TERMINAL GROUND                | 1    |
| 16       | 50766-000   | RECEPTACLE NEMA 5-20 DUPLEX    | 1    |
| 17       | 5113-000    | NUT HEX # 8                    | 4    |
| 18       | 57030-000   | CIR. BRK. 50A-2PL-240V         | 1    |
| 19       | 57325-000   | RECEPTACLE, NEMA 6-50R         | 1    |
| 20       | 598-000     | #10 WASHER                     | 4    |
| 21       | 61110-006   | 208V/240v REC. PANEL           | 1    |
| 22       | 61111-004   | MLCB PANEL                     | 1    |
| 23       | 61993-002   | RHMS .25-20 X 4.00             | 2    |
| 24       | 64893-005   | AVR MOUNT                      | 1    |
| 25       | 65005-000   | .25 FLATWASHER SS              | 1    |
| 26       | 7792-001    | BZ RHMS 6-32X.5                | 4    |
| 27       | 82584-004   | CIR.BRK.100A-3PL-240V          | 1    |
| 28       | 91286-001   | CIRCUIT BREAKER, 20A, 1 PL     | 1    |
| 29       | 94980-001   | THREAD STUD .25-20X.625        | 2    |
| 30       | 98479-001   | 30-50PTO REC. DECAL            | 1    |
| 31       | EE2327      | HOUSING 175A                   | 3    |
| 32       | G72132-1    | WELDMENT COVER ASSEMBLY        | 1    |

# RECEPTACLE AND CB PANEL ASSEMBLY

PN: 61000-023 30PTO 480V REC. AND MLCB ASSY.

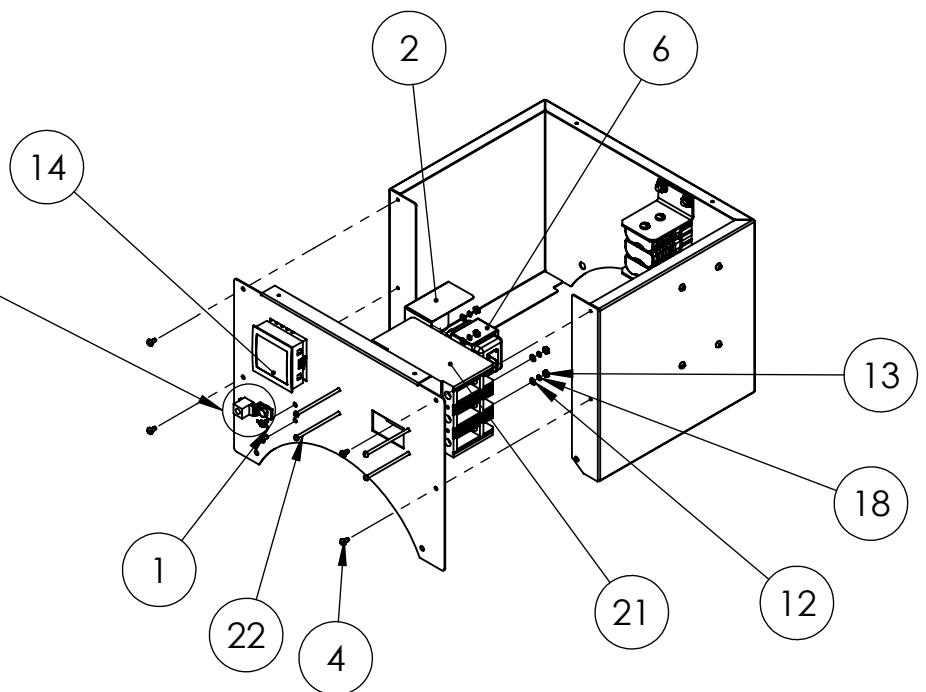
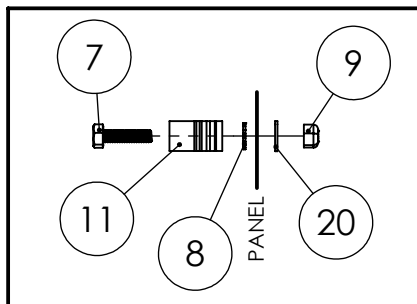
ANDERSON CONNECTOR ASSY.



\*FOR MODELS: 35PTOC4-18/1

35PTOT4-18/1

GROUND LUG ASSY.

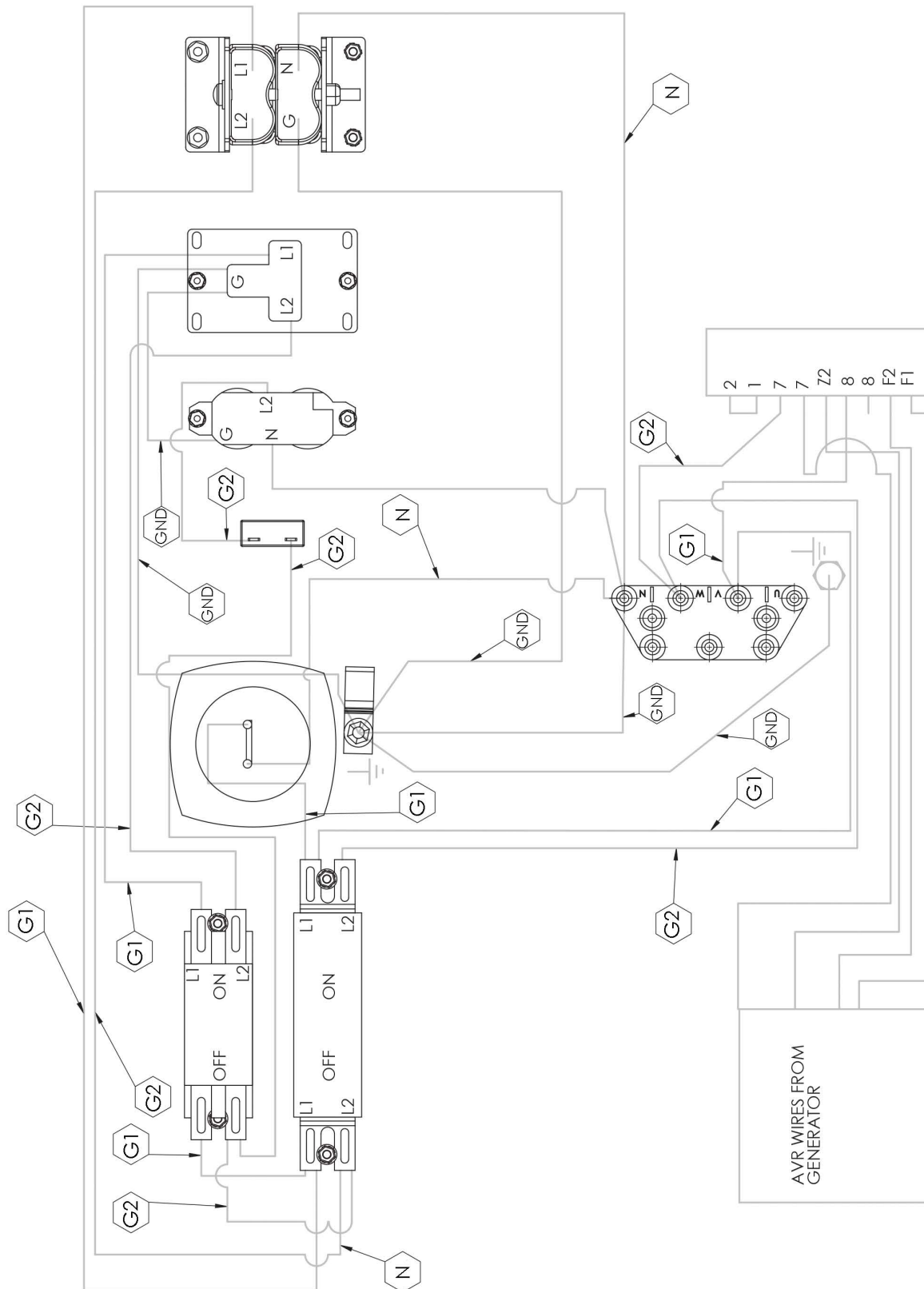


# RECEPTACLE AND CB PANEL ASSEMBLY

| ITEM NO. | PART NUMBER | DESCRIPTION                       | QTY. |
|----------|-------------|-----------------------------------|------|
| 1        | 15750-000   | GROUND DECAL                      | 1    |
| 2        | 15799-013   | MOUNTING BRACKET<br>(TRANSFORMER) | 1    |
| 3        | 16248-000   | .25-20 FLANGE NUT                 | 4    |
| 4        | 21698-001   | SELF TAP SCREW, TORX              | 10   |
| 5        | 300117-4    | CONNECTOR SUPPORT                 | 2    |
| 6        | 361112-000  | POWER SUPPLY                      | 1    |
| 7        | 439-000     | HHCS 1/4-20X1 GR2                 | 1    |
| 8        | 4516-000    | LOCKWASHER 1/4 EXTERNAL TOOTH     | 1    |
| 9        | 47517-000   | .25-20 NYLOK                      | 3    |
| 10       | 476-000     | .25-20X.625 HHB                   | 2    |
| 11       | 48043-000   | TERMINAL GROUND                   | 1    |
| 12       | 511-000     | #8 FLATWASHER                     | 4    |
| 13       | 5113-000    | NUT HEX # 8                       | 4    |
| 14       | 58172-000   | FREQUECY METER                    | 1    |
| 15       | 61110-005   | 480V REC. PANEL                   | 1    |
| 16       | 61111-005   | 480V MLCB PANEL                   | 1    |
| 17       | 61993-002   | RHMS .25-20 X 4.00                | 2    |
| 18       | 6376-000    | #8 LOCK WASHER SPLIT              | 4    |
| 19       | 64893-005   | AVR MOUNT                         | 1    |
| 20       | 65005-000   | .25 FLATWASHER SS                 | 1    |
| 21       | 81097-003   | CIR. BRK. 50A-3PL-480V            | 1    |
| 22       | 92009-000   | RHMS 8-32 X 3.5                   | 4    |
| 23       | 94980-001   | THREAD STUD .25-20X.625           | 2    |
| 24       | EE2327      | HOUSING 175A                      | 3    |
| 25       | G72132-1    | WELDMENT COVER ASSEMBLY           | 1    |

# WIRING DIAGRAM

## 120/208 & 120/240 3-PH



# WIRING DIAGRAM

## 277/480 3-PH

