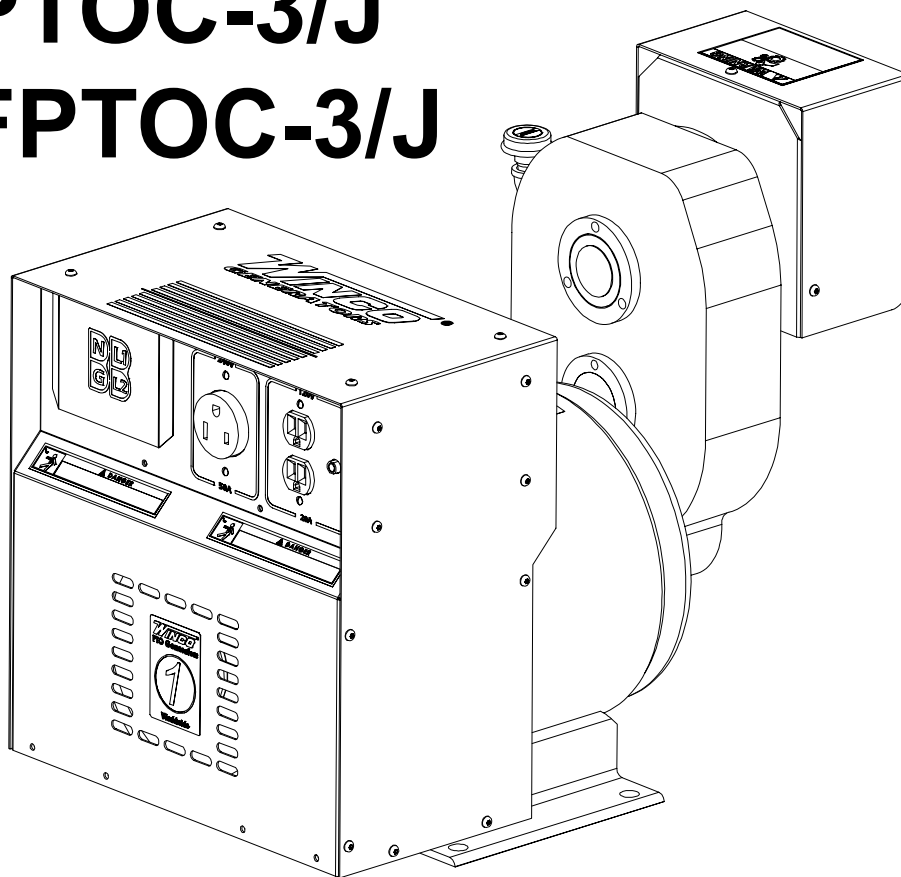




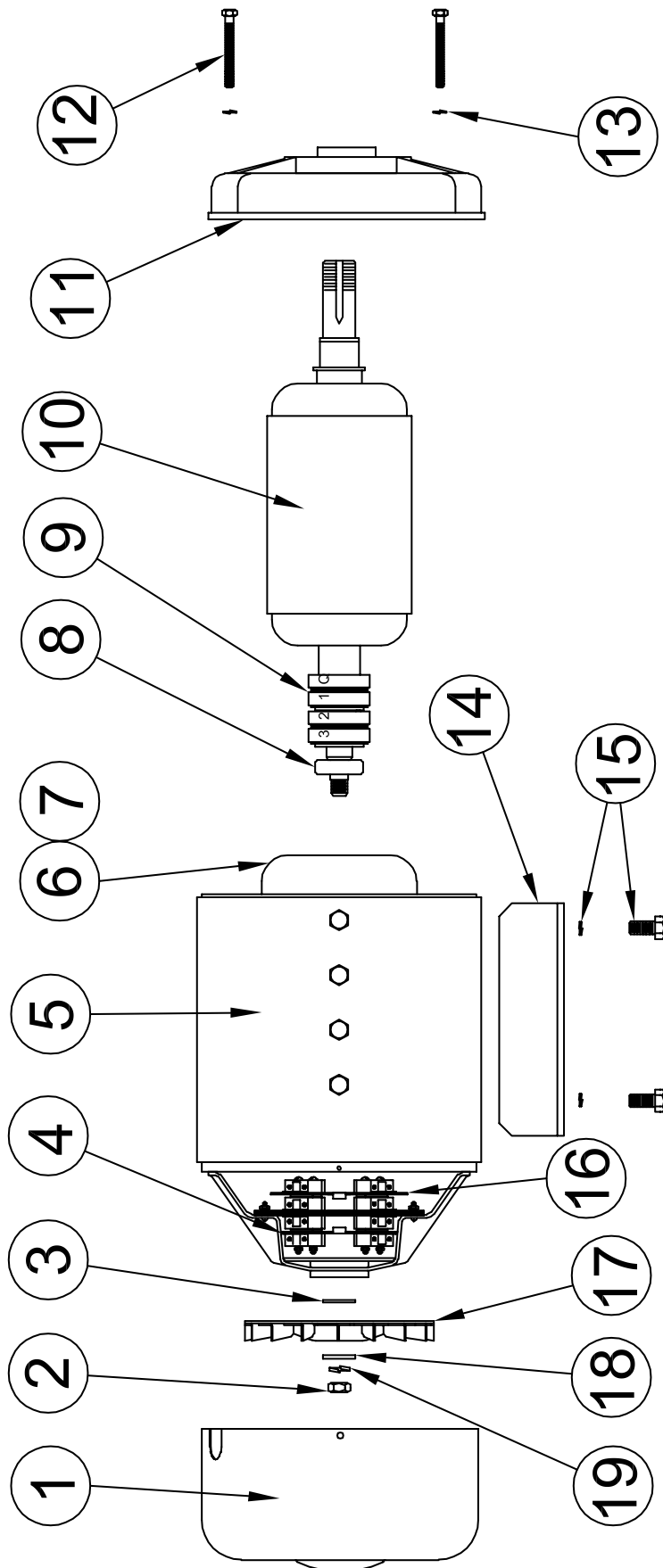
ILLUSTRATED PARTS LIST

25PTOC-3/J
25FPTOC-3/J



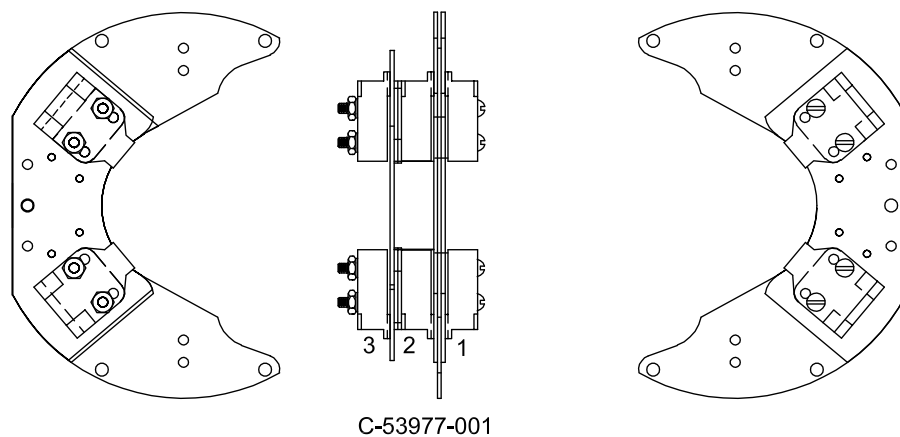
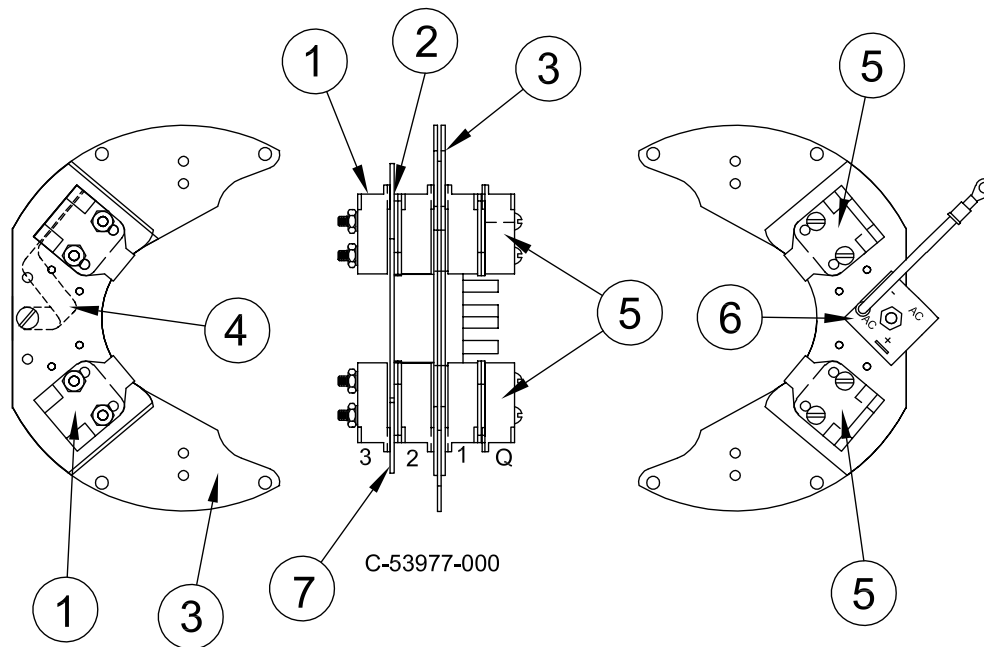
225 S. CORDOVA AVE.
LECENTER, MN 56057
507-357-6821
SERVICE DEPT.
507-357-6831
wincogen.com

GENERATOR ASSEMBLY



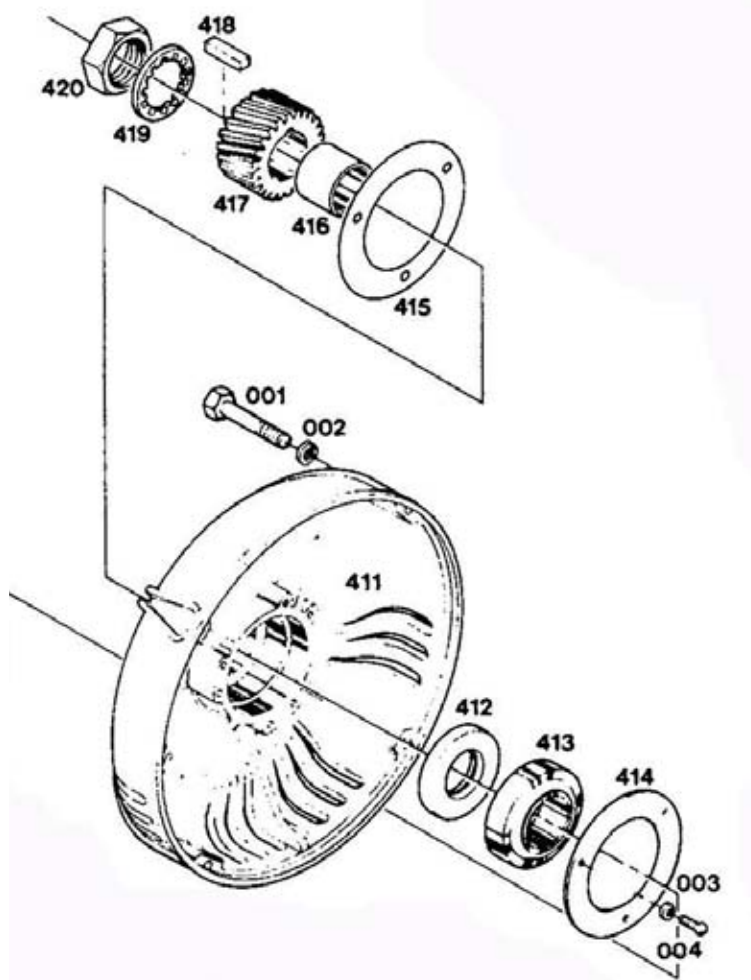
REF #	PART NUMBER	QTY	DESCRIPTION
1	55007-000	1	End Cover
2	9549-000	1	½" X 20 Nut (Torque to 50 ft. lbs.)
3	40552-000	1	Lock Washer
4	24981-000	12	AC Brush
5	61153-000	1	Field Ring & Bracket Assy
6	52563-001	1	Field Coil (right side, looking from brush assembly end)
7	52563-000	1	Field Coil (left side, looking from brush asseby end)
8	50215-000	1	Bearing
9	44315-000	2	Slip ring
10	52497-001	1	Armature Assembly
11	53510-001	1	End Bracket Assembly
12	51101-000	4	Bolt
13	636-000	2	Lock Washer
14	51147-000	1	Base Assembly
15	48178-000	2	Bolt
16	53949-000	2	"Q" Brush
17	23404-000	1	Fan
18	21867-000	1	Flat Washer
19	20039-000	1	Lock Washer
NI	43474-000	2	Pole Shoe Retainer
NI	43473-000	2	Pole Shoe
NI	Not Illustrated		

BRUSH HOLDER & RACK ASSEMBLY



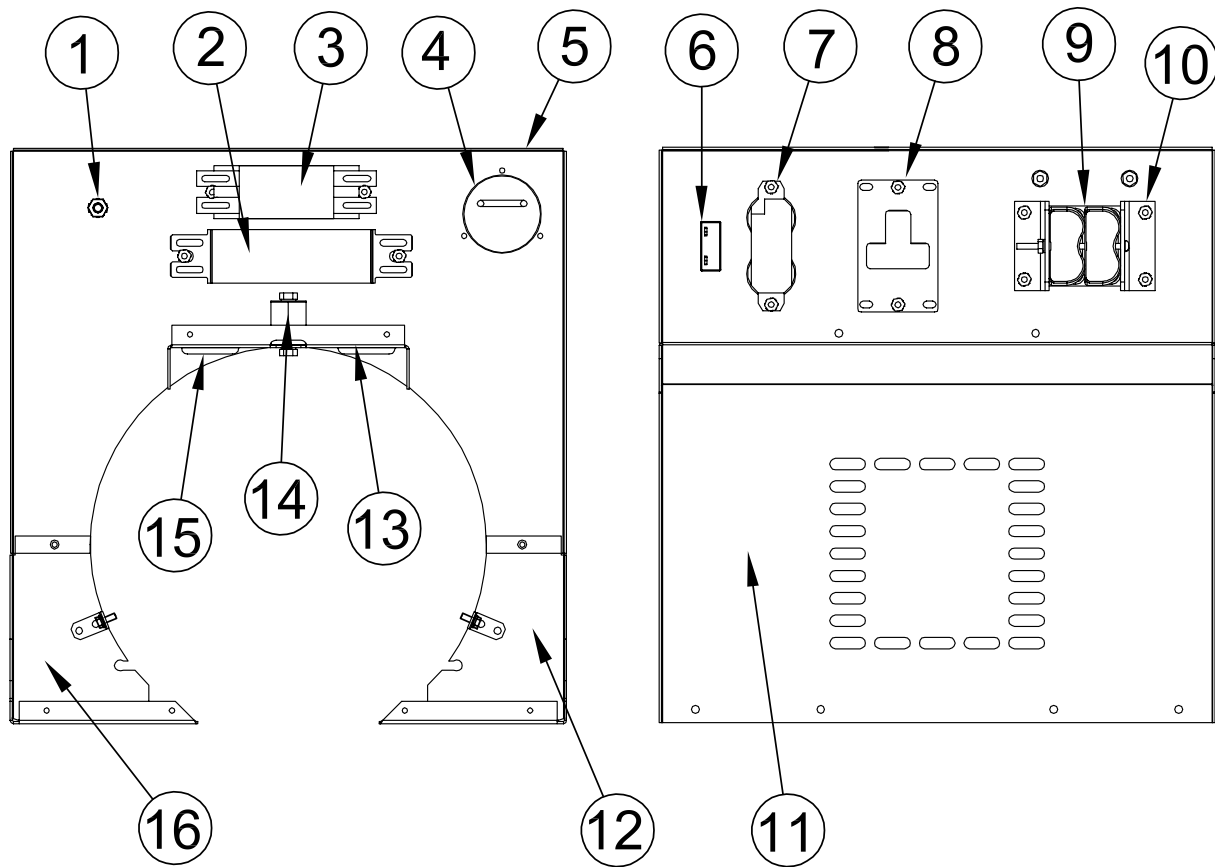
REF #	PART NUMBER	QTY	DESCRIPTION
1	23500-002	12	AC Brush Holder
2	23532-000	12	Fiber Spacer
3	53975-000	6	Brush Holder Mounting Plate
4	41387-001	1	Ground Strap
5	23500-000	2	"Q" Brush Holder
6	53976-000	1	Bridge Rectifier
7	52559-000	2	Brush Holder Spacer
NI	24981-000	12	AC Brush
NI	53949-000	2	"Q" Brush
NI	Not Illustrated		

END BRACKET ASSEMBLY



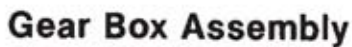
REF #	PART NUMBER	QTY	DESCRIPTION
001	51101-000	4	Bolt
002	480-000	4	Lock Washer
003	479-000	3	Lock Washer
004	45633-000	3	Machine Screw
411	51046-002	1	End Bracket
412	46912-000	1	Oil Seal
413	46913-000	1	Bearing
414	44318-000	1	Retainer Plate
415	20136-000	1	Gasket
416	20137-000	1	Spacer
417	46545-000	1	Pinion Gear
418	20159-000	1	Key
419	20139-000	1	Lock Washer
420	20160-000	1	Hex Jam Nut

CONTROL PANEL ASSEMBLY



REF #	PART NUMBER	QTY	DESCRIPTION
1	48043-000	1	Ground Lug
2	58805-004	1	100 Amp 240 Volt Breaker
3	57030-000	1	50 Amp 240 Volt Breaker
4	91370-000	1	Voltmeter
5	61111-002	1	Circuit Breaker Panel
6	91286-001	1	20 Amp Breaker
7	24749-000	1	Duplex Receptacle
8	57325-000	1	NEMA 6-50R Receptacle
9	EE2327	2	175 Amp Housing
10	300117-1	2	Connector Support
11	61110-003	1	Receptacle Panel
12	61216-010	1	Bottom Assembly
13	60951-001	1	Saddle
14	94378-000	1	Stand-Off Insulator
15	16302-000	2	Grommet
16	61216-009	1	Bottom Assembly

GEAR BOX ASSEMBLY



1 54661

REF #	DESCRIPTION	QTY	540 RPM PART #	1000 RPM PART #
130	Gear Box Assembly	1	54661-400	54661-401
134	Pinion Gear	1	46547-000	44833-000
137	Seal	1	20029-000	20029-000
138	Bearing	2	64562-000	 64562-000
140	Shaft (Input Drive)	1	46296-000	46296-000
141	Woodruff Key	4	1774-000	1774-000
142	Gear (Input Drive)	1	46548-000	44832-000
144	Gasket (Cover)	1	20016-000	20016-000
146	Backing Plate	1	53331-001	53331-001
147	Safety Shield	1	53332-001	53332-001
148	Gear (Driven)	1	46546-000	46546-000
149	Bearing	2	54665-000	54665-000
150	Gasket	1	46299-000	46299-000
151	Retainer	1	46295-000	46295-000
152	Gasket	1	46298-000	46298-000

153	Retainer	1	46286-000	46286-000
154	Snap Ring	1	20133-000	20133-000
155	Gear Case & Cover	1	54662-000	54662-000
156	Breather	1	40716-000	40716-000
NI	90° Elbow	1	53196-000	53196-000
NI	Pipe Nipple	1	53244-002	53244-002
157	Shaft (Driven)	1	20128-000	20128-000
158	Roll Pin	1	4133-000	4133-000
NI	Nut 5/8"-18	2	N/A	64626-000
NI	Nylon Washer	4	N/A	64619-000
NI	Cap Screw	2	N/A	64618-000
NI	Pipe Plug 1/8"	1	64628-000	64628-000
NI	Pipe Plug 3/8"	3	643-000	643-000

DECALS

REF #	PART NUMBER	QTY	DESCRIPTION
NI	98479-000	1	PTO Decal
NI	98478-000	2	Winco #1 Decal
NI	52077-000	1	Oil Level Decal
NI	15750-000	1	Ground Decal
NI	16303-000	1	Oil Level Decal
NI	64605-000	1	Safety Decal
NI	91369-000	1	540 RPM Decal
NI	91369-001	1	1000 RPM Decal
NI	64515-000	1	Warning Decal
NI	15209-003	1	Electrical Shock Decal
NI	64516-000	1	Danger Decal
NI	Not Illustrated		

WINCO INC
A Division of **DTI** Dyna Technology Inc

225 S. CORDOVA AVE.
LECENTER, MN 56057
507-357-6821
SERVICE DEPT.
507-357-6831

TECHNICAL DATA:

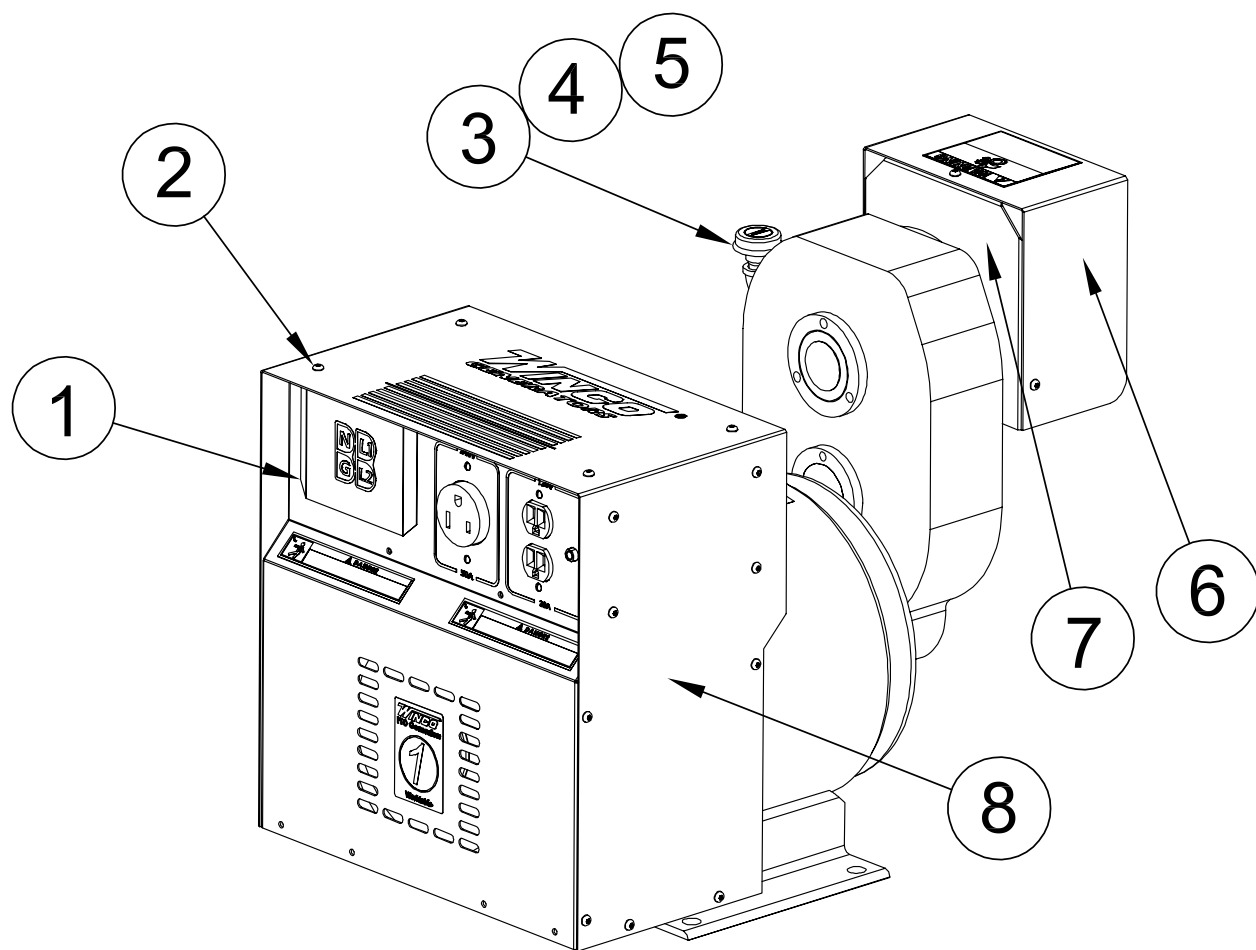
GENERATOR SPECIFICATIONS:

KW - 25; Volts - 120/240; Amps - 104; PH - 1
Hz - 60; Input - 540/1000 RPM; Generator -
3600 RPM

RESISTANCES:

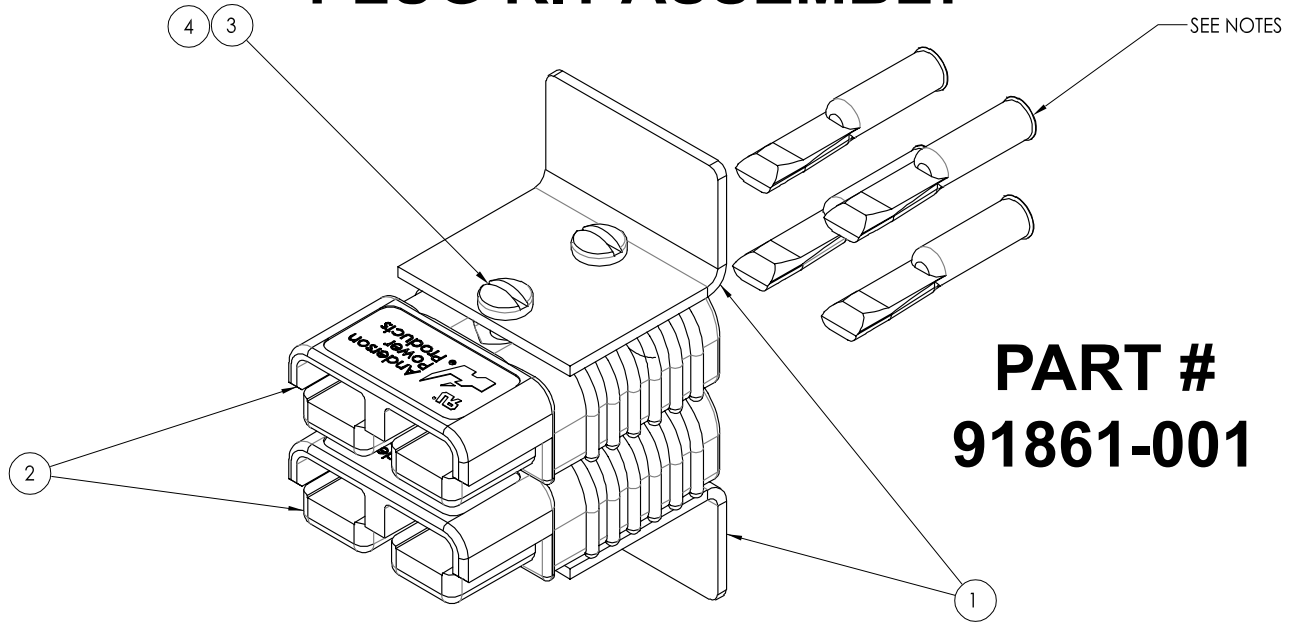
Field Coils 20.2 - 22.4 Ohms; Excitor Volts
- 110; Amps 4.9; Armature (Q Winding) .128 -
.140 Ohms; (G1 to N & G3 to N) .025 - .0275
Ohms

COMPLETE UNIT ASSEMBLY



REF #	PART NUMBER	QTY	DESCRIPTION
1	G72137	1	Hinged Cover
2	21698-001	28	Torque Screws
3	53244-002	1	3/8" Pipe Nipple
4	53196-000	1	3/8" Pipe Elbow
5	40716-000	1	Breather
6	53332-001	1	Shield
7	53331-001	1	Backing Plate
8	60944-003	1	Cover
NI	1774-000	1	Woodruff Key
NI	4133-000	1	Roll Pin

PLUG KIT ASSEMBLY



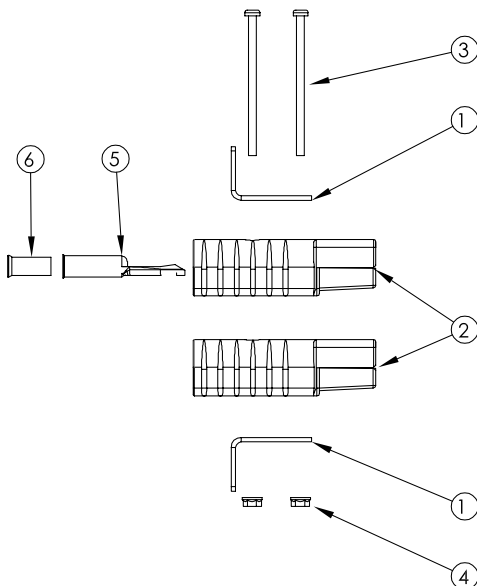
PART #
91861-001

ITEM NO.	PartNo	DESCRIPTION	QTY.
1	300118-1	HANDLE	2
2	EE2327	HOUSING 175A	2
3	20583-000	RHMS 1/4-20 X 2.5	2
4	16248-000	.25-20 FLANGE NUT	2
5	EE23281	#2 CONTACT	4
6	EE23282	#4 CONTACT	4

NOTES:

- USE ITEM 5 FOR 35PTO
- USE ITEM 6 FOR 25PTO

ASSEMBLY

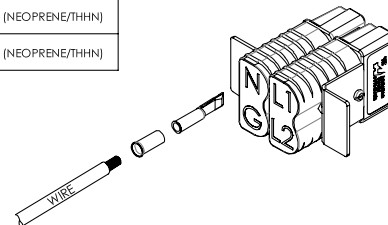


ITEM	DESCRIPTION	QTY
1	HANDLE	2
2	ANDERSON POWER PRODUCTS HOUSING	2
3	RHMS	2
4	FLANGE NUT	2
5	WIRE CONTACT	6
6	BUSHING (IF APPLICABLE)	6

TABLE (A) LEADWIRE RECOMMENDATIONS	
MODEL	SIZE (AWG) / INSULATION
25PTOC-3 (120/240V)	#4 (NEOPRENE/THHN)
35PTOC-3 (120/240V)	#2 (NEOPRENE/THHN)
50PTOC-3 (120/240V)	#1 (NEOPRENE/THHN)

APPROVED CRIMPING TOOLS

- ANDERSON POWER PRODUCTS
- ETC MODEL HHS HYDRAULIC CRIMPER
- ITT BLACKBURN #1640
- THOMAS & BETTS #TBM5



- READ INSTRUCTIONS IN FULL PRIOR TO ASSEMBLING PLUG KIT
- VERIFY THAT ALL ITEMS AND CORRECT QUANTITIES ARE IN THE PACKAGE
- INSTALL CONTACTS (WITH BUSHINGS IF APPLICABLE) ON ELECTRICAL CONDUCTOR (SEE TABLE "A") BY SOLDERING, USING A GOOD GRADE OF RESIN CORE SOLDER OR AN APPROPRIATE COMPRESSION CRIMPER AS RECOMMENDED BY WINCO INC. (WARNING: SOLDER ONLY COPPER CONDUCTORS, DO NOT USE ACID CORE SOLDER!)
- ASSEMBLE ITEMS ACCORDING TO THE EXPLODED VIEW AT THE LEFT SIDE OF PAGE
- INSERT THE CONDUCTORS (WITH CONTACTS INSTALLED) INTO THE PROPER CAVITIES AS SHOWN ABOVE. CONNECTOR MUST SNAP INTO HOUSING, PULL ON WIRE TO ENSURE A POSITIVE LOCK. EMPTY CAVITY MUST HAVE A DUMMY CONTACT INSERTED.

INSTRUCTION SHEET

91861-101

WIRING DIAGRAM

CB - CIRCUIT BREAKER
J1 - DUPLEX RECEPTACLE, 20 A., 120 V.
J2 - ANDERSON CONNECTOR (FULL OUTPUT) 240V
J3 - RECEPTACLE, 50 A., 240 V.
V - VOLTMETER

