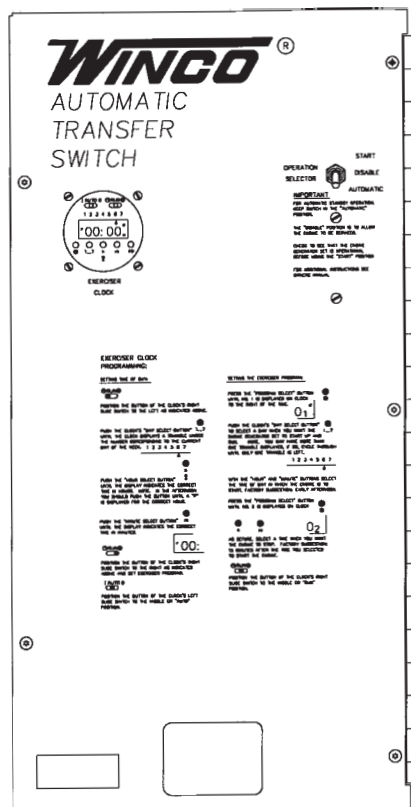


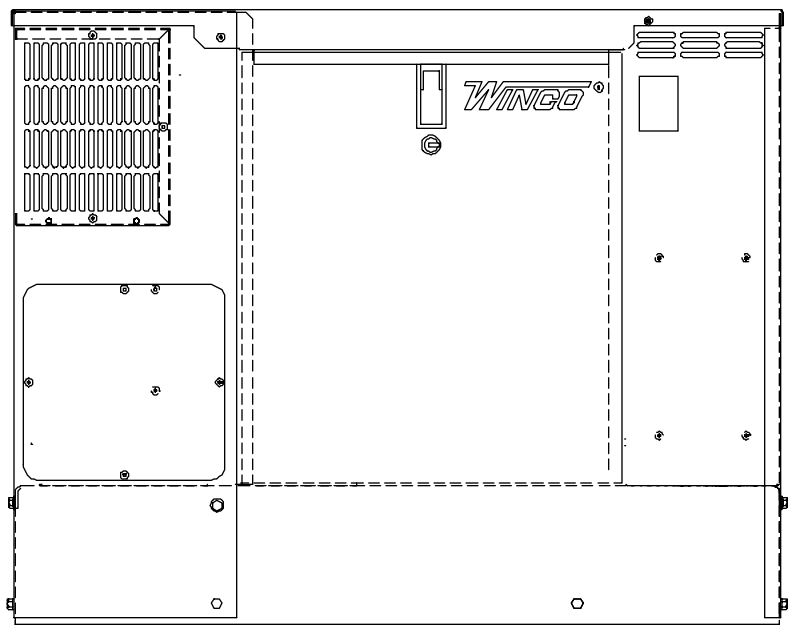


PACKAGE STANDBY SYSTEMS

PSS8000/P



110/60 Amp Automatic
Transfer Switch



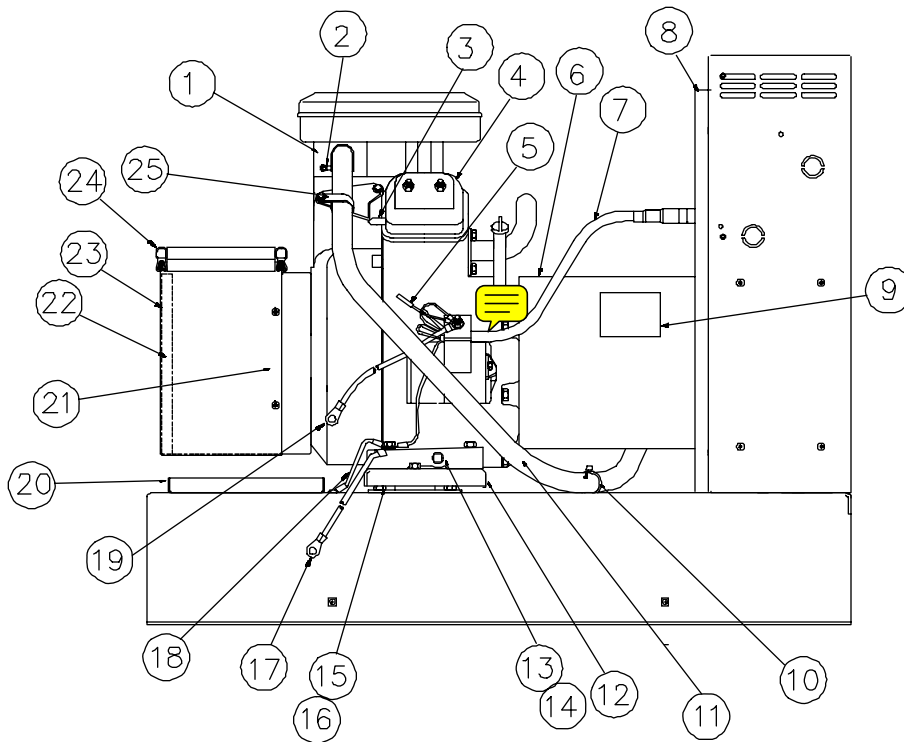
Engine Generator Set

Parts Lists, Wiring Diagrams
and Schematic

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

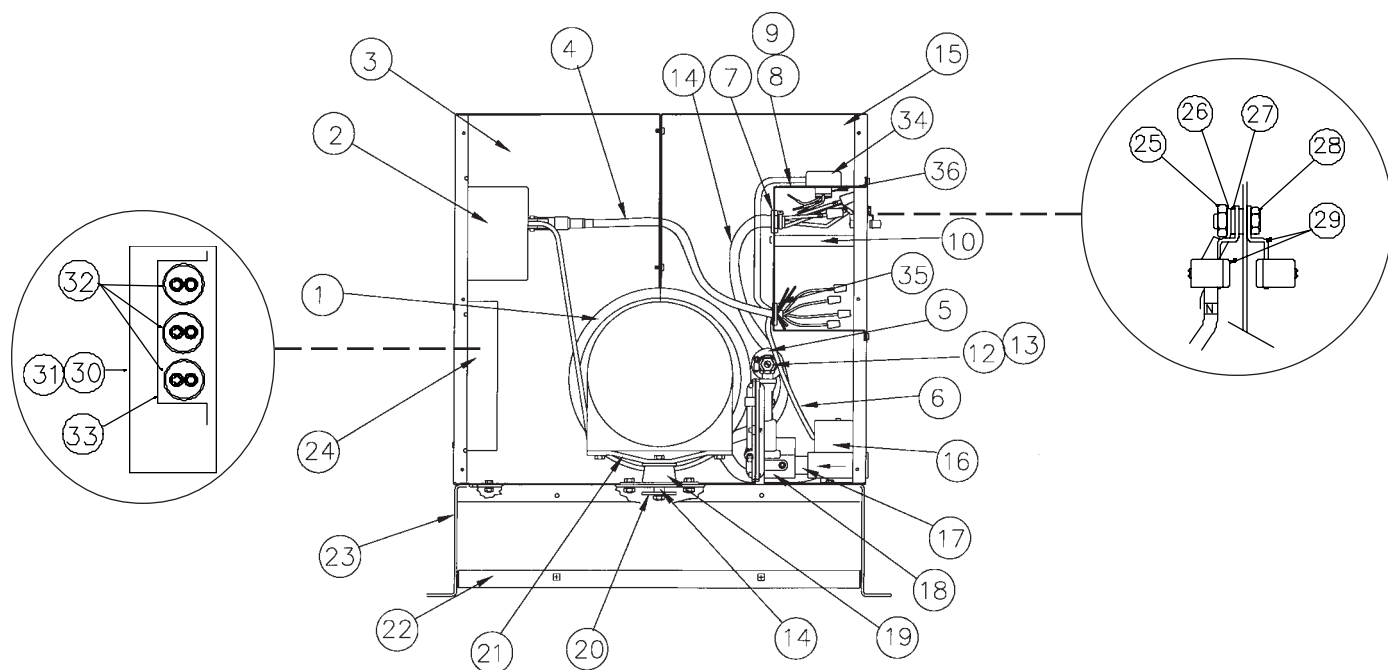
225 South Cordova Ave
Le Center MN 56057
507-357-6831

Engine Generator Assembly



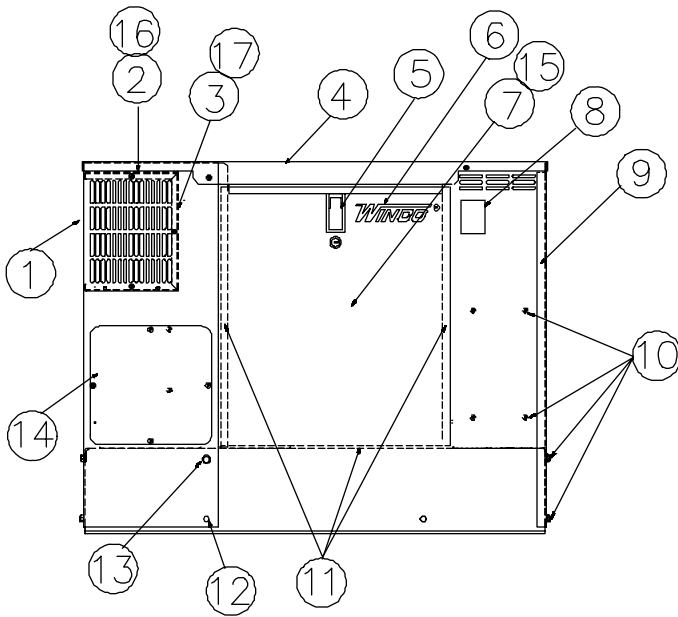
REF	PART #	QTY	DESCRIPTION
01	15758-000	1	Carburetor Modification
02	81018-005	1	Clamp
03	15765-000	1	Cap, Vacuum
04	16034-000	1	Engine (B&S 303447-1194-E1)
05	52134-019	1	Lead Wire (to ALT. VR)
06	15041-020	REF	Generator Assembly (ref only)
07	15757-000	1	Wire Harness Kit
08	15681-000	2	Door Stop
09	63996-000	2	Nameplate
10	49975-001	4	Cable Tie
11	23048-000	4.2'	Fuel Hose
12	15636-000	1	Engine Support Bracket
13	53244-009	1	3/8" x 5" Pipe Nipple
14	21857-000	1	3/8" Pipe Coupling
15	98807-000	2	Shock Mount
16	98806-000	2	Flat Washer
17	15767-002	1	Battery Cable (-)
18	9769-145	1	Ground Wire
19	15767-002	1	Battery Cable (+)
20	15676-000	1	Battery Tray
21	15658-000	1	Engine Air Duct
22	15763-001	1	Foam, Air Inlet
23	15659-000	1	Air Duct Cover
24	15287-000	30"	Air Seal
25	97391-004	1	Clamp

Generator Control Cabinet



REF	PART #	QTY	DESCRIPTION	REF	PART #	QTY	DESCRIPTION
01	15287-000	32"	Air Seal	19	98807-000	1	Shockmount
02	15764-400	1	Engine Control Assembly	20	98806-000	2	Washer
03	15664-000	1	Air Baffle (left)	21	15039-001	1	Generator Support Brkt
04	15757-000	1	Wire Harness Kit	22	15637-000	1	Base Channel
05	62486-000	1	Grommet	23	15634-000	1	Base
06	45956-000	15"	Sleeving	24	15759-000	1	Capacitor Box Assembly
07	23917-000	1	Grommet	25	638-000	1	1/4-20 Hex Nut
08	16242-000	1	Terminal Box	26	479-000	1	1/4 Lockwasher
09	15711-000	1	Terminal Box Cover	27	4516-000	2	Ext. Tooth Lockwasher
10	15710-000	1	Terminal Box Divider	28	476-000	1	1/4-20 x 5/8 Cap Screw
11	49975-011	2	Cable Tie	29	48042-000	2	Ground Lug
12	55560-000	1	Load Block	30	15224-000	1	Capacitor Box
13	81018-005	1	Clamp	31	15167-000	8"	Foam
14	91658-007	1	Cap Screw 3/8-16 X 2 1/2	32	15051-000	3	Capacitor
15	15665-000	1	Air Baffle (right)	33	15226-000	1	Capacitor Clamp
16	42942-000	1	Fuel Solenoid	34	16287-000	1	Battery Tender
17	22626-000	1	3/4" Close Nipple	35	23917-000	1	Grommet
18	55559-000	1	Gas Regulator	36	60690-001	1	Receptacle

HOUSING ASSEMBLY

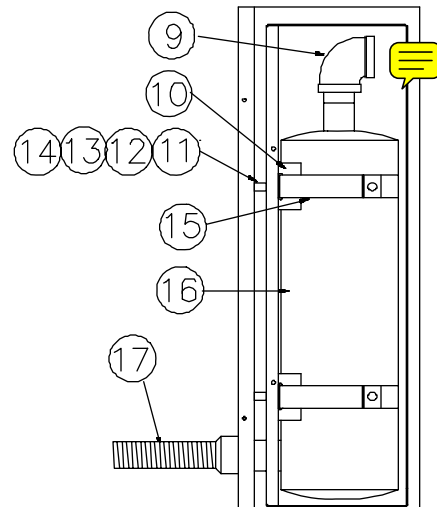
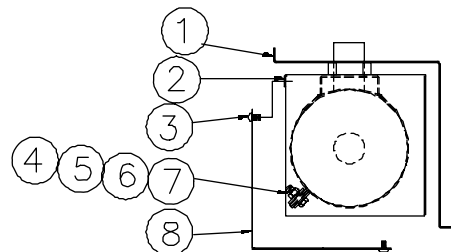


REF	PART #	QTY	DESCRIPTION
01	15670-000	1	Housing, Front
02	15752-000	1	Air Duct End Plate
03	15703-000	1	Engine Air Duct
04	15677-000	1	Roof
05	95229-004	2	Door Latch
06	53113-000	2	Decal
07	15680-007	2	Door
08	97813-000	2	Warning Decal
09	15671-000	1	Housing, Rear
10	21698-001	25	#10 x 3/8 Machine Screw
11	62912-000	12.3'	Door Gasket
12	463-000	4	1/4-20 x 1/2 Cap Screw
13	55440-000	6	1/4-20 x 1/2 Self Tapping
14	15746-000	1	Battery Access Door
15	15762-000	2	Foam, Door
16	15763-003	1	Foam, Air Duct End Plate
17	15763-002	1	Foam, Engine Air Duct

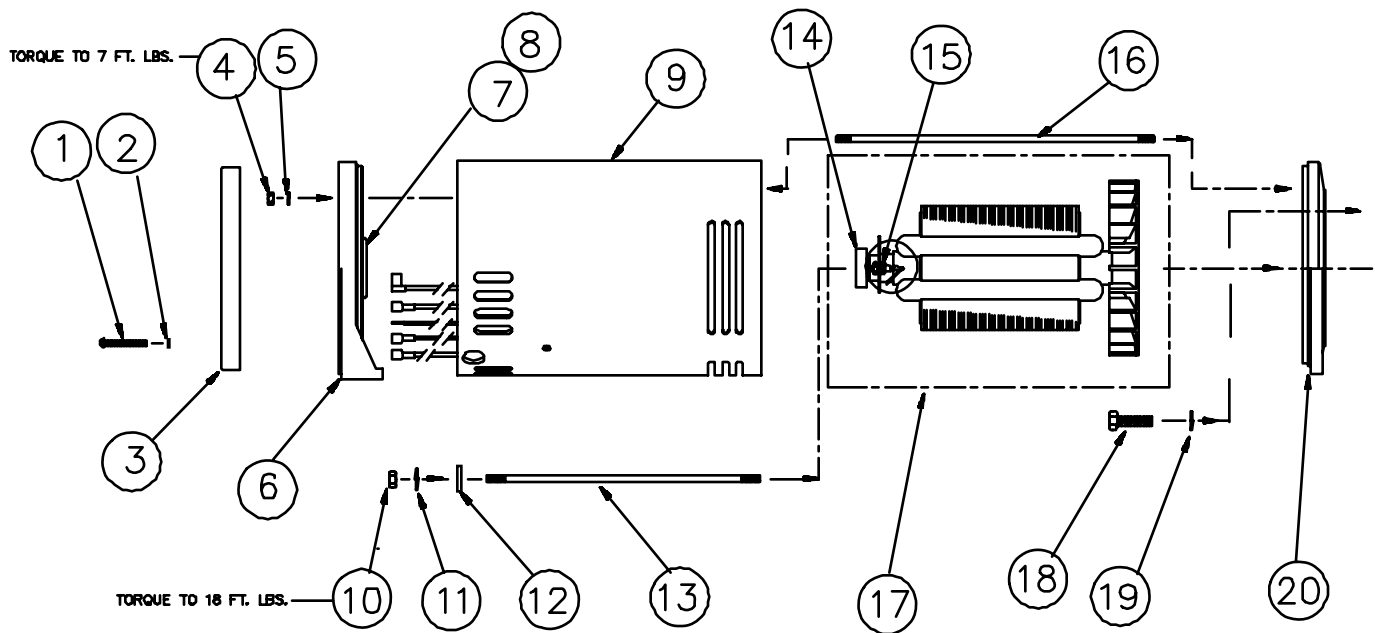
MUFFLER ASSEMBLY

REF PART # QTY DESCRIPTION

01	15705-000	1	Muffler Support
02	15687-000	1	Heat Shield
03	21698-001	6	#10 Self Tapping Screw
04	1116-000	2	5/16-18 x 1 Cap Screw
05	458-000	2	5/16-18 Hex Nut
06	480-000	2	5/16 Lockwasher
07	526-000	2	5/16 Flat Washer
08	15749-000	1	Heat Shield Cover
09	24363-000	1	Elbow
10	99015-000	2	Muffler Mounting Bracket
11	62825-006	4	1/4 x 1/2 Spacer
12	439-000	4	1/4-20 x 1 Cap Screw
13	638-000	4	1/4-20 Hex Nut
14	479-000	4	1/4 Lockwasher
15	99014-000	2	Muffler Mounting Strap
16	97408-704	1	Muffler, Critical
17	15755-000	1	Flex Exhaust Weldment



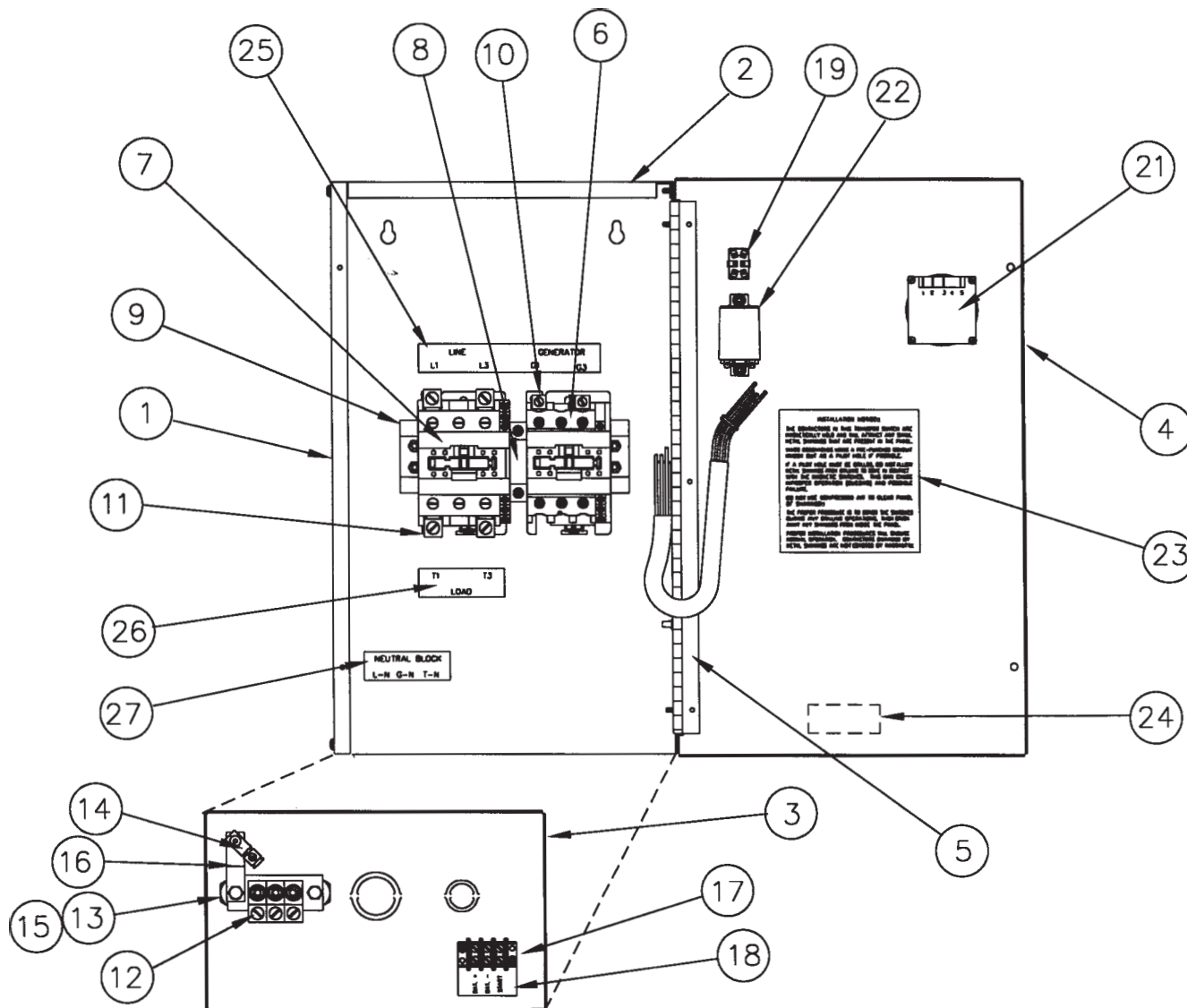
Generator Assembly



REF PART # QTY DESCRIPTION

01	15013-001	4	#10-32 x 1.75 Cap Screw
02	21975-000	4	#10 Lockwasher
03	15085-000	1	End Cover
04	15192-000	4	1/4-20 Hex Nut
05	479-000	4	1/4 Lockwasher
06	15156-003	1	Machined End Brkt
07	15122-003	1	Tolerance Ring
08	15688-000	1	Shim
09	15857-001	1	Stator Assembly
10	15193-000	1	5/16-24 Hex Nut
11	480-001	1	5/16 Lockwasher
12	23558-000	1	Flat Washer
13	23197-028	1	Special Stud
14	50215-000	1	Bearing
15	15255-001	1	Diode (STD)
	15255-002	1	Diode (REV)
16	15068-010	4	Stud
17	15045-009	1	Rotor Assembly
18	91658-003	4	3/8-16 x 1.5 Cap Screw
19	481-000	4	3/8 Lockwasher
20	15008-000	4	Engine Mounting Brkt

Automatic Transfer Switch



REF PART NBR QTY DESCRIPTION

64590-023

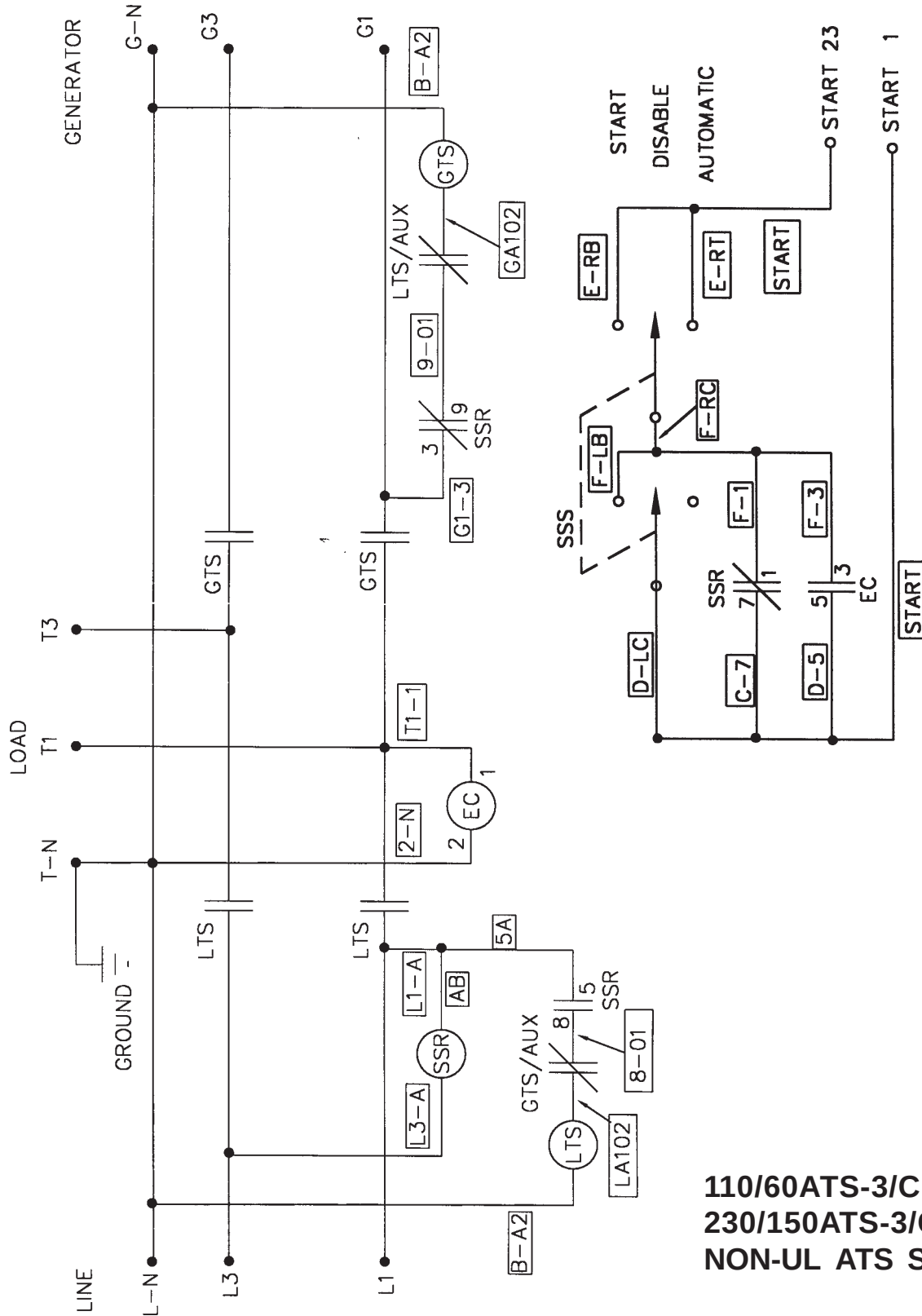
Complete Unit

1	64801-400	1	Cabinet Rear & Sides
2	64589-400	1	Cabinet Top Panel
3	64589-404	1	Cabinet Bottom Panel
4	64591-404	1	Cabinet Door
5	64597-004	1	Hinge
6	64585-005	1	60 AMP Contactor
7	64585-006	1	110 AMP Contactor
8	64587-001	1	Mech. & Elec. Interlock
9	64802-001	1	74MM Mounting Rail
10	63708-001	2	Terminal Lugs, Gen. Side
11	63708-002	4	Terminal Lugs, Line Side
12	63708-003	3	Terminal Lugs, Neutral
13	64789-003	2	Neutral Terminal Strip

REF PART NBR QTY DESCRIPTION

14	48042-000	1	Ground Lug
15	94378-000	2	Stand-Off Insulator
16	52789-003	1	Copper Strap
17	64598-000	1	Terminal Block
18	64599-000	1	Decal, Terminal Block
19	71216-001	1	DPDT Toggle Switch
21	64600-001	1	Exerciser Clock
22	59944-014	1	3PDT Relay
23	64797-000	1	Decal, ATS Installation Notice
24	64604-000	1	Decal, Warning
25	64601-011	1	Decal, Line-Generator Terminals
26	64601-012	1	Decal, Load Terminals
27	64601-013	1	Decal, Neutral Terminals

Automatic Transfer Switch Schematic

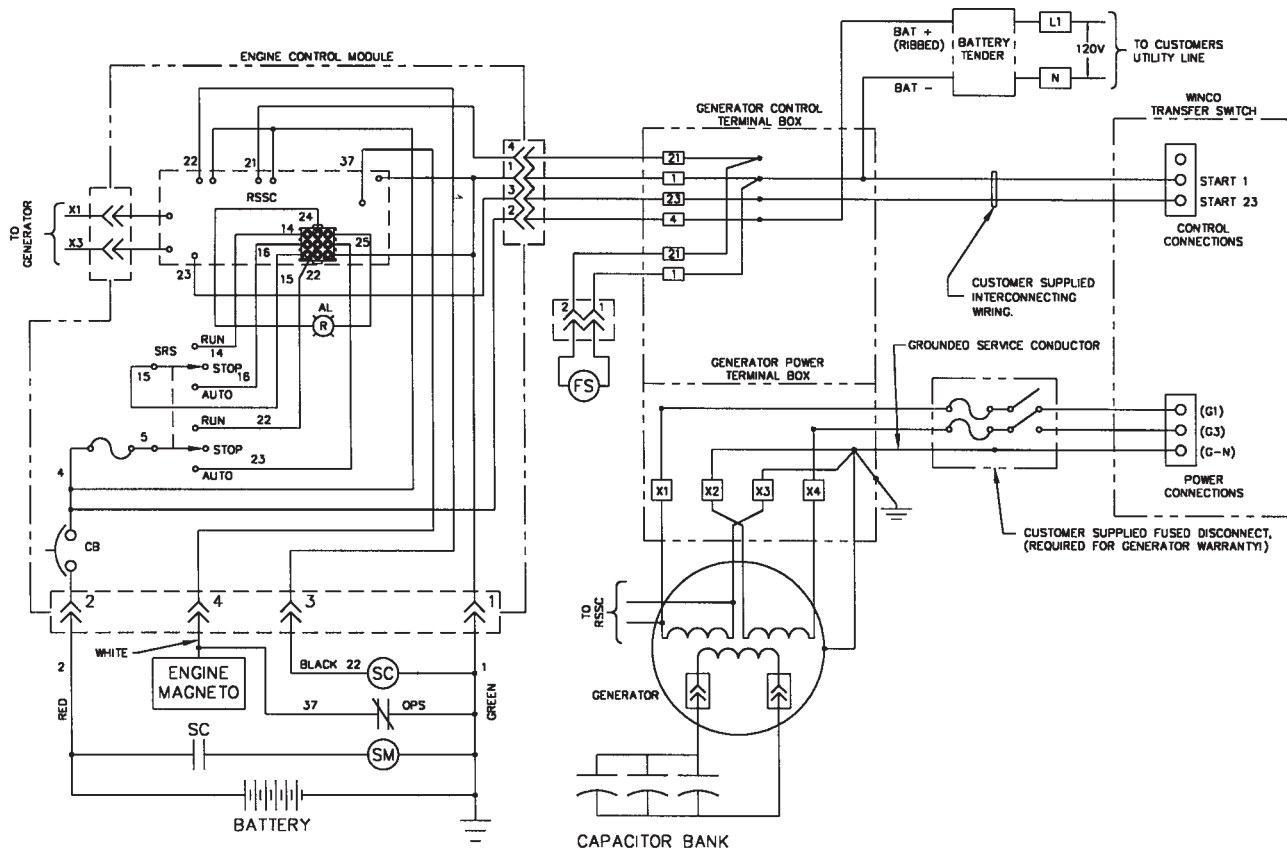


**110/60ATS-3/C
230/150ATS-3/C
NON-UL ATS SCHEMATIC**

LEGEND

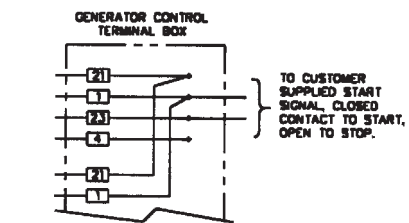
LTS	Line Side Contactor	GTS/AUX	Generator Side Auxiliary
GTS	Generator Side Contactor	LTS/AUX	Line Side Auxiliary
SSR	Start/Stop Relay	UVR	Under Voltage Relay
EC	Exerciser Clock	SSS	Start/Stop Switch
			Indicates Wire Number

PSS8000 AC & DC SCHEMATIC

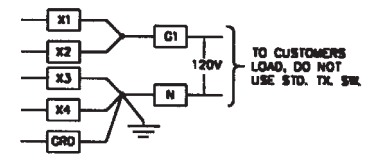


LEGEND

AL	ALARM LAMP (FAILURE TO START)
CB	CIRCUIT BREAKER
FS	FUEL SOLENOID
G1, G3 & G-N	GENERATOR LEAD IDENTIFICATION
X1,X2,X3 & X4	GENERATOR PHASE LEADS
N	NEUTRAL
RSSC	REMOTE START STOP CONTROL MODULE
SC	STARTER MOTOR CONTACTOR
SM	STARTER MOTOR
SRS	AUTO-STOP-RUN SWITCH



ALTERNATE DC CONNECTION



ALTERNATE AC CONNECTION