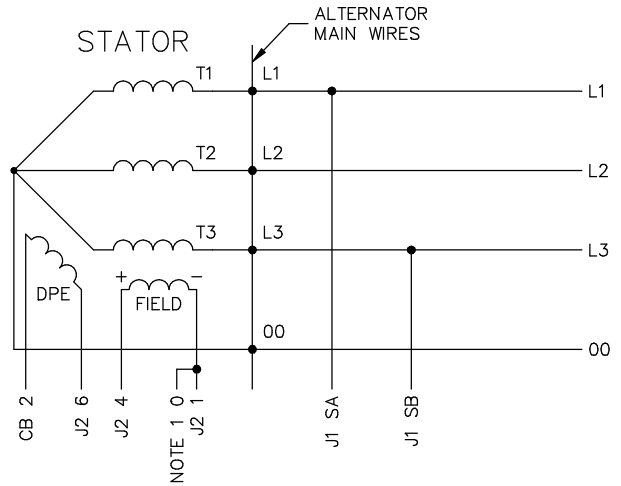


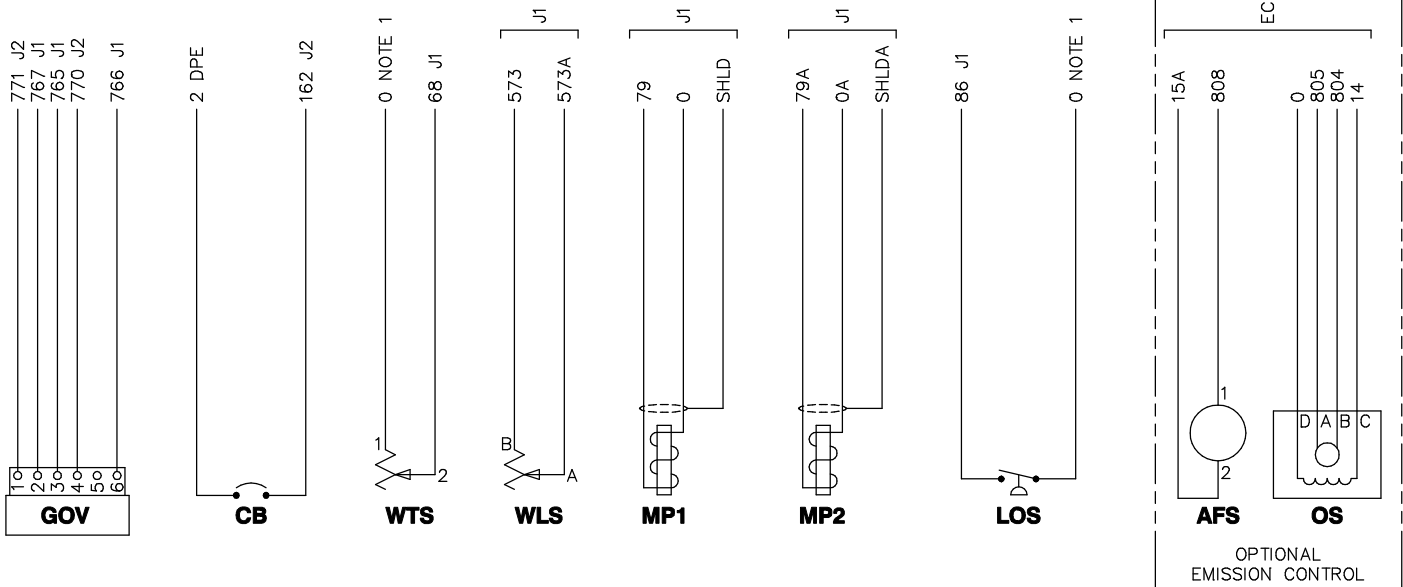
ALTERNATOR CONNECTIONS FOR 1φ UNITS

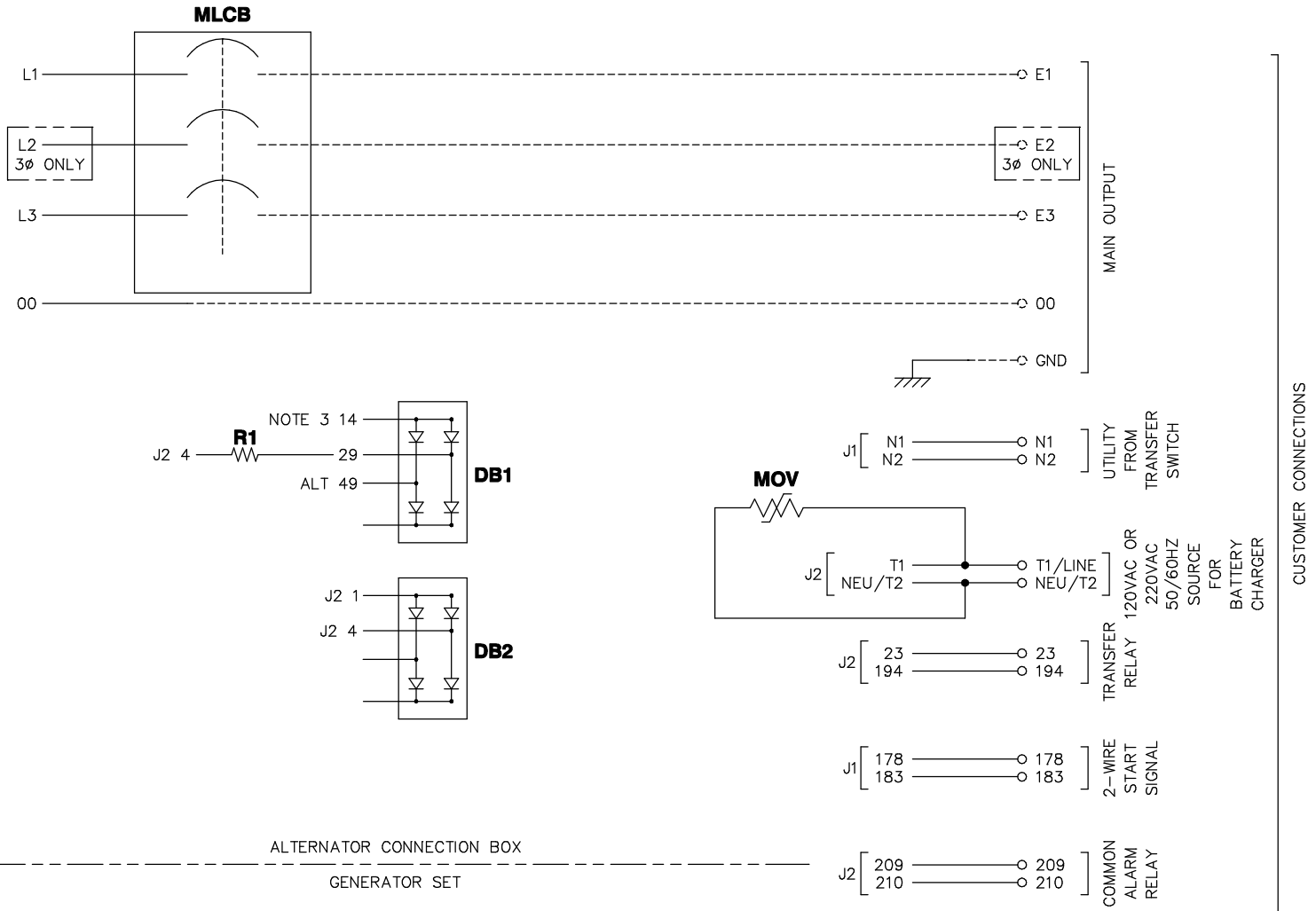


ALTERNATOR CONNECTIONS FOR 3φ UNITS

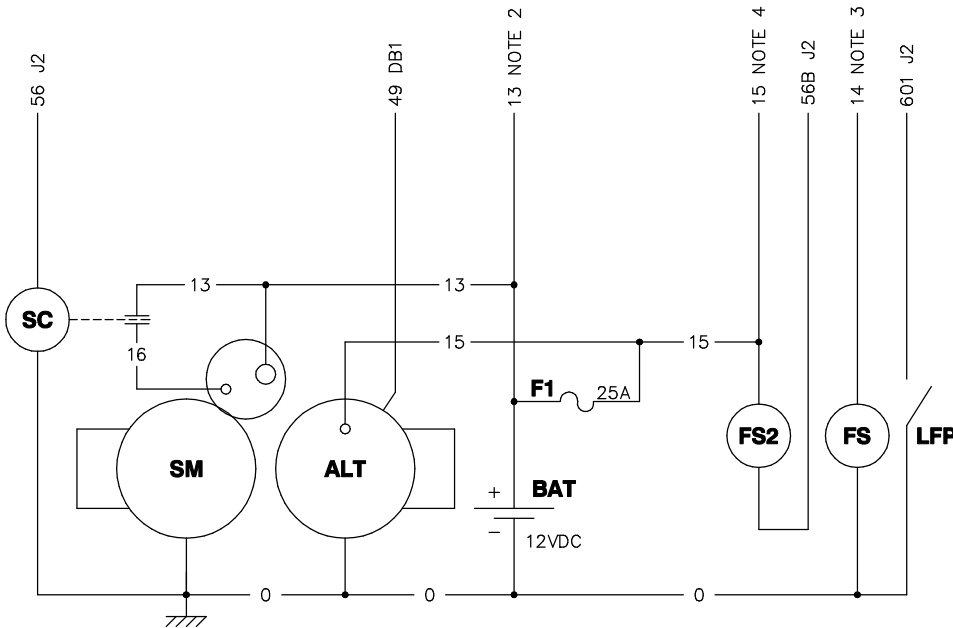
ALTERNATOR CONNECTION BOX

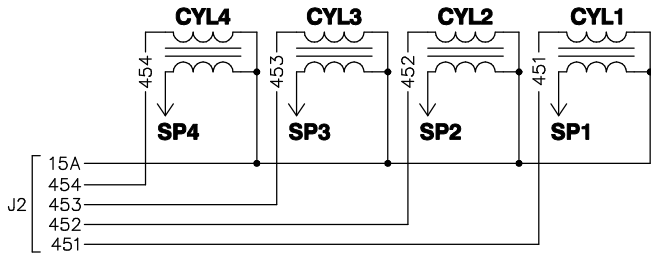
GENERATOR SET





NOTE:
FOR FIELD WIRING TO CUSTOMER CONNECTIONS (TERMINAL BLOCKS)
MAXIMUM WIRE SIZE: #12 AWG





NOTES:

- 1) WIRE #0 IS CHASSIS GROUND (BATTERY-) UNLESS NOTED OTHERWISE.
- 2) WIRE #13 IS UNFUSED +12VDC (BATTERY+).
- 3) WIRE #14 IS FUSED +12VDC WHEN GENERATOR IS CRANKING OR RUNNING.
- 4) WIRE #15 IS FUSED +12VDC FOR GENERAL USE.
- 5) WIRE #15A IS FUSED +12VDC FOR THE AIR/FUEL SOLENOID OPTION AND FOR THE IGNITION COILS.

BWR CONNECTOR

PIN	WIRE	TO	FUNCTION
1	820	J1-12	+5V POWER FOR BASIC REMOTE
2	817	J1-4	REMOTE DISPLAY SYSTEM READY
3	818	J1-5	REMOTE DISPLAY ALARM
4	819	J1-17	REMOTE DISPLAY MAINTENANCE
5	0	GND	NOTE 1

EC CONNECTOR

PIN	WIRE	TO	FUNCTION
1	0	GND	NOTE 1
2	14	J2-8	NOTE 3
3	15A	J2-23	NOTE 5
4	808	J2-2	AIR/FUEL RATIO SOLENOID DRIVER
5	805	J1-35	OXYGEN SENSOR RETURN
6	804	J1-34	OXYGEN SENSOR +

ENGINE CONTROL MODULE CONNECTIONS

J1

PIN	WIRE	TO	FUNCTION
1	178	CUST CON	REMOTE START RETURN
4	817	BWR-2	REMOTE DISPLAY SYSTEM READY
5	818	BWR-3	REMOTE DISPLAY ALARM
6	15	F1	NOTE 4
7	15	F1	NOTE 4
8	0	GND	NOTE 1
9	0	GND	NOTE 1
10	0	MP1-2	FLYWHEEL SENSOR -
11	0A	MP2-2	CAM SENSOR -
12	820	BWR-1	+5V POWER FOR BASIC REMOTE
13	SA	MLCB	OUTPUT VOLTAGE SENSING A
14	183	CUST CON	REMOTE START
15	SHLDA	MP2-1	CAM SENSOR DRAIN
16	SHLD	MP1-1	FLYWHEEL SENSOR DRAIN
17	819	BWR-4	REMOTE DISPLAY MAINTENANCE
18	767	GOV-2	THROTTLE POSITION FEEDBACK RETURN
19	765	GOV-3	THROTTLE POSITION FEEDBACK SOURCE
20	766	GOV-6	THROTTLE POSITION FEEDBACK SIGNAL
21	68	WTS-2	COOLANT TEMP SIGNAL
22	79A	MP2-3	CAM SENSOR +
23	79	MP1-3	FLYWHEEL SENSOR +
24	SB	MLCB	OUTPUT VOLTAGE SENSING B
25	N1	CUST CON	UTILITY VOLTAGE SENSING 1
26	N2	CUST CON	UTILITY VOLTAGE SENSING 2
31	573A	WLS-A	COOLANT LEVEL SIGNAL RETURN
32	573	WLS-B	COOLANT LEVEL SIGNAL
33	86	LOS-NC	LOW OIL PRESSURE SIGNAL
34	804	EC-6	OXYGEN SENSOR +
35	805	EC-5	OXYGEN SENSOR RETURN

J2

PIN	WIRE	TO	FUNCTION
1	770	GOV-4	THROTTLE DRIVE HI
2	808	EC-4	AIR/FUEL RATIO SOLENOID DRIVER
3	56B	FS2	STARTING FUEL SOLENOID CONTROL
4	451	CYL1	IGNITION COIL DRIVE 1
5	452	CYL2	IGNITION COIL DRIVE 2
6	453	CYL3	IGNITION COIL DRIVE 3
7	454	CYL4	IGNITION COIL DRIVE 4
8	14	DB1/FS/EC-2	NOTE 3
9	771	GOV-1	THROTTLE DRIVE LO
11	209	CAR	COMMON ALARM RELAY
12	23	CUST CON	TRANSFER RELAY COIL CONTROL
13	194	CUST CON	TRANSFER RELAY COIL +
14	601	LFP	LOW FUEL PRESSURE
15	210	CAR	COMMON ALARM RELAY
16	6	DPE	EXCITER RETURN
17	162	CB	EXCITER OUTPUT (BREAKER PROTECTED)
18	4	FIELD	FIELD (BRUSH) +
19	1	FIELD	FIELD (BRUSH) -
20	T1	CUST CON	120VAC SOURCE FOR BATTERY CHARGER
21	NEU	CUST CON	120VAC RETURN FOR BATTERY CHARGER
22	56	SC	STARTER CONTACTOR DRIVER
23	15A	EC-3/CYL1-CYL4	NOTE 5

LEGEND

00 - NEUTRAL	EC - EMISSIONS CONNECTOR	OS - OXYGEN SENDER
AFS - AIR/FUEL SOLENOID	F1 - FUSE INLINE	R1 - RESISTOR
ALT - DC CHARGE ALTERNATOR	FS_ - FUEL SOLENOID	SC - STARTER CONTACTOR
BAT - BATTERY	GOV - ELECTRONIC GOVERNOR ACTUATOR	SHLD - SHIELD
BWR - BASIC WIRELESS RECEPTACLE	J_ - ENGINE CONTROL MODULE CONNECTOR	SM - STARTER MOTOR
CAR - COMMON ALARM RELAY	LFP - LOW FUEL PRESSURE SWITCH	SP_ - SPARK PLUG
CB - CIRCUIT BREAKER	LOS - LOW OIL PRESSURE SWITCH	WLS - COOLANT LEVEL SENDER
CYL_ - CYLINDER IGNITION COIL	MLCB - MAIN LINE CIRCUIT BREAKER	WTS - COOLANT TEMPERATURE SENDER
DB_ - DIODE BRIDGE	MOV - METAL OXIDE VARISTOR	
DPE - EXCITER	MP_ - MAGNETIC PICKUP	