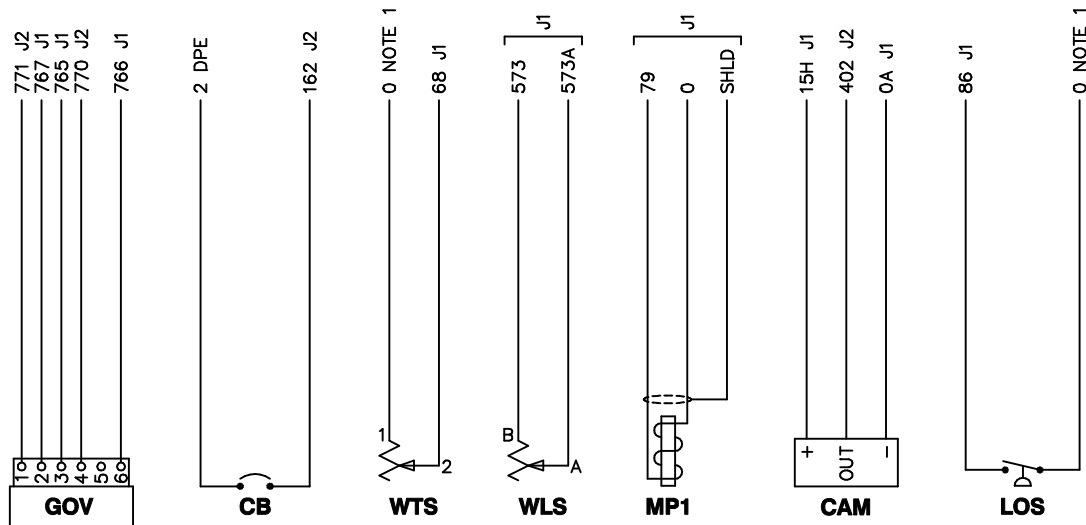
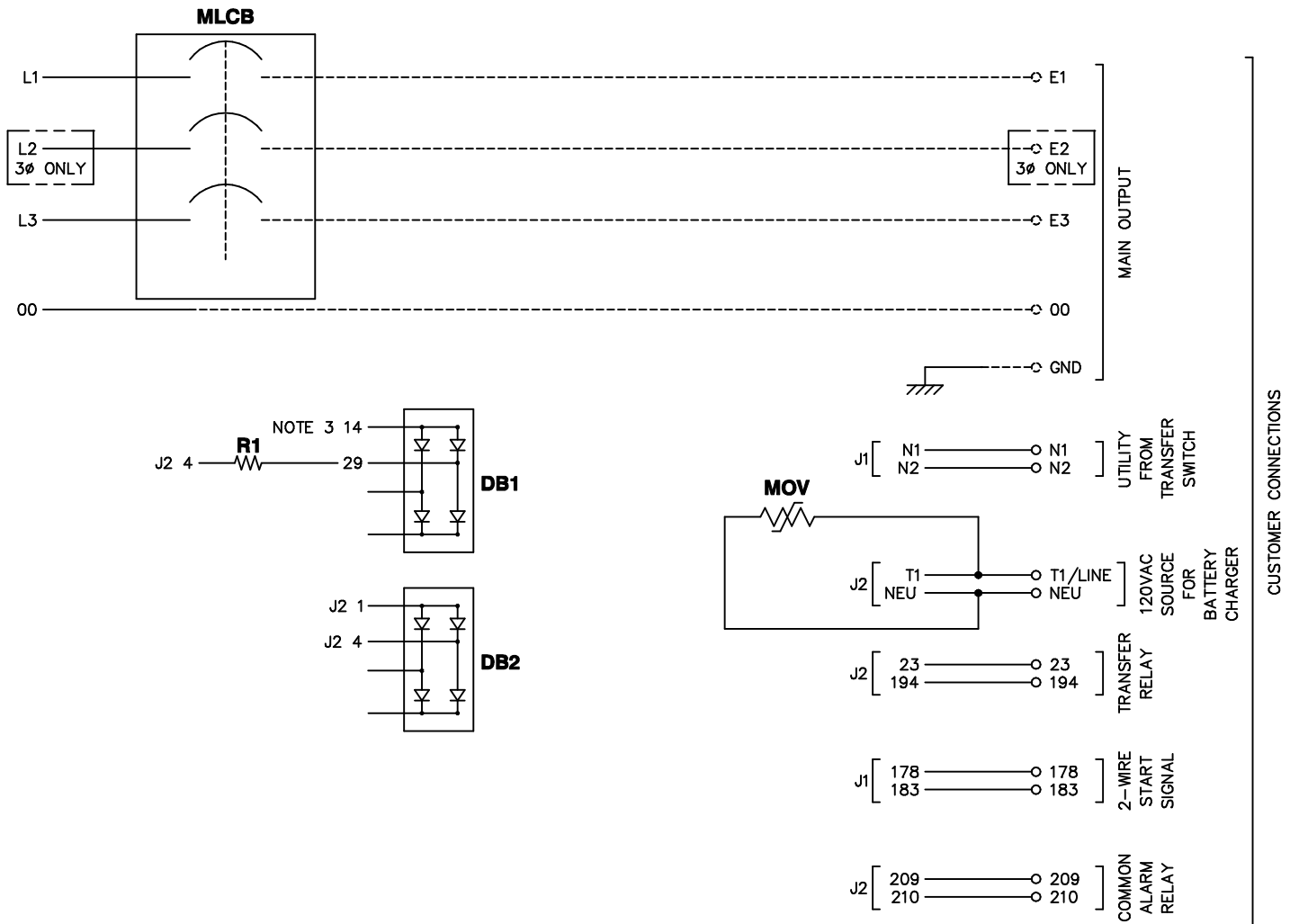


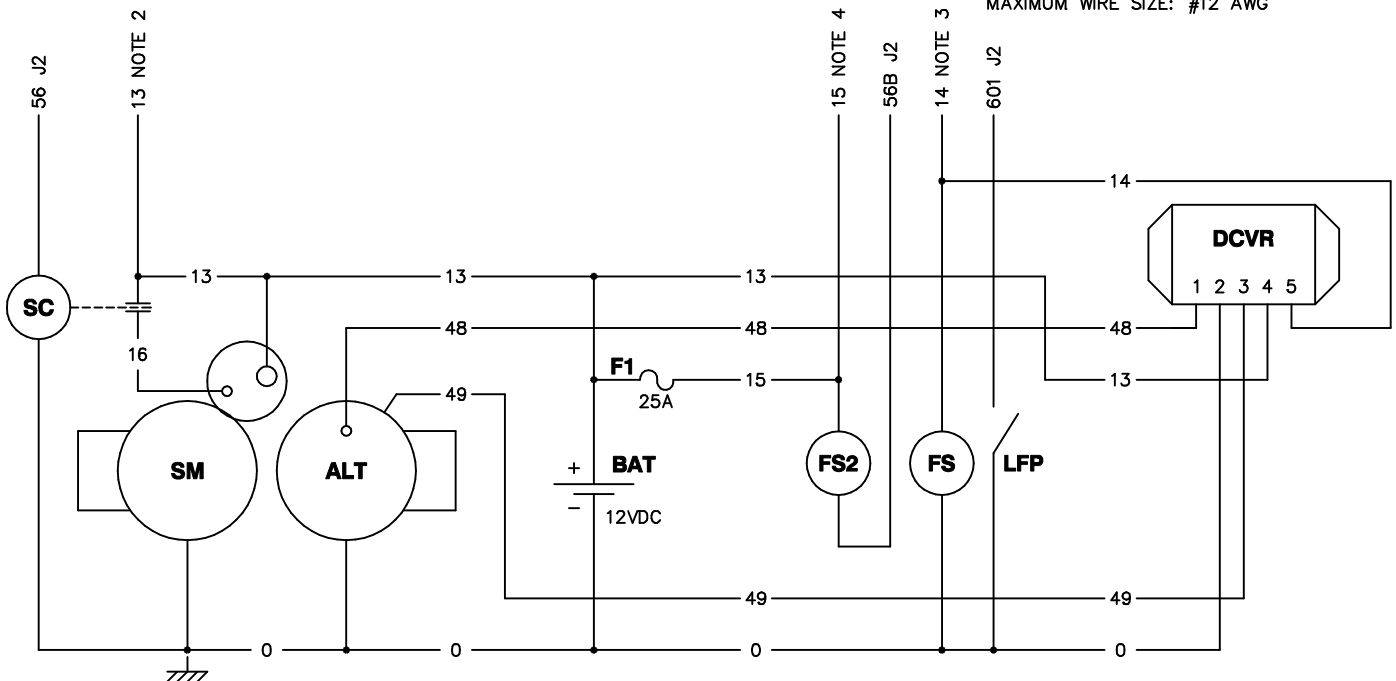
ALTERNATOR CONNECTIONS FOR 1Ø UNITS

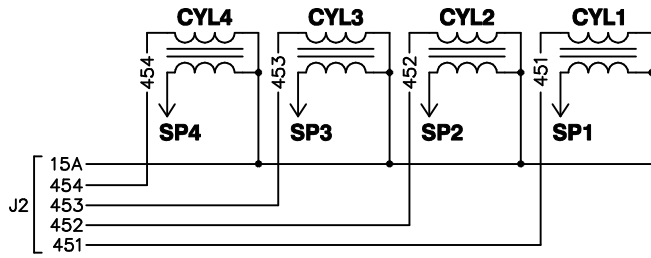
ALTERNATOR CONNECTIONS FOR 3Ø UNITS





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





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

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.

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	CAM-1	HALL-EFFECT CAMSHAFT SENSOR -
12	820	BWR-1	+5V POWER FOR BASIC REMOTE
13	SA	MLCB	OUTPUT VOLTAGE SENSING A
14	183	CUST CON	REMOTE START
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	0	GND	NOTE 1
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
30	15H	CAM-3	HALL-EFFECT CAMSHAFT SENSOR +
31	573A	WLS-A	COOLANT LEVEL SIGNAL RETURN
32	573	WLS-B	COOLANT LEVEL SIGNAL
33	86	LOS-NC	LOW OIL PRESSURE SIGNAL

J2

PIN	WIRE	TO	FUNCTION
1	770	GOV-4	THROTTLE DRIVE HI
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	NOTE 3
9	771	GOV-1	THROTTLE DRIVE LO
10	402	CAM-2	HALL-EFFECT CAMSHAFT SENSOR SIGNAL
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	CYL1-CYL4	NOTE 5

LEGEND

00 - NEUTRAL	DCVR - DC VOLTAGE REGULATOR	MOV - METAL OXIDE VARISTOR
ALT - DC CHARGE ALTERNATOR	DPE - EXCITER	MP1 - MAGNETIC PICKUP
BAT - BATTERY	F1 - FUSE INLINE	R1 - RESISTOR
BWR - BASIC WIRELESS RECEPTACLE	FS_ - FUEL SOLENOID	SC - STARTER CONTACTOR
CAM - CAMSHAFT SENSOR	GOV - ELECTRONIC GOVERNOR ACTUATOR	SHLD - SHIELD
CAR - COMMON ALARM RELAY	J_ - ENGINE CONTROL MODULE CONNECTOR	SM - STARTER MOTOR
CB - CIRCUIT BREAKER	LFP - LOW FUEL PRESSURE SWITCH	SP_ - SPARK PLUG
CYL_ - CYLINDER IGNITION COIL	LOS - LOW OIL PRESSURE SWITCH	WLS - COOLANT LEVEL SENDER
DB_ - DIODE BRIDGE	MLCB - MAIN LINE CIRCUIT BREAKER	WTS - COOLANT TEMPERATURE SENDER