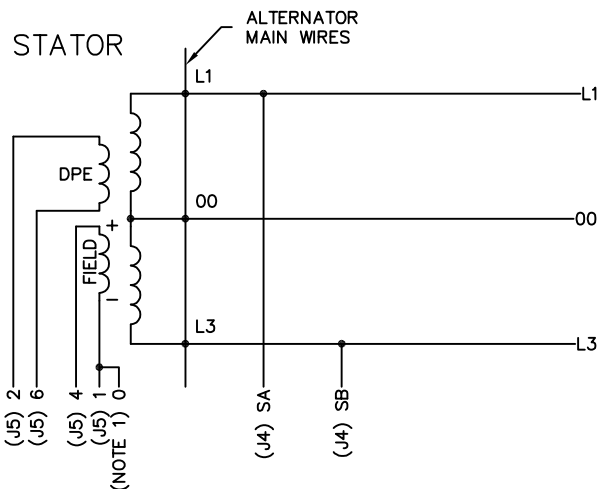
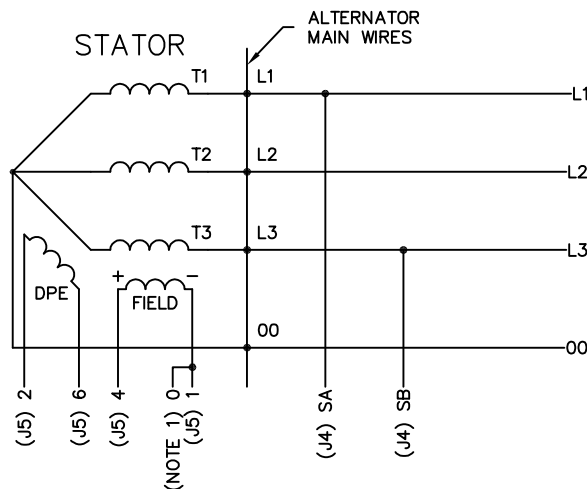


LEGEND

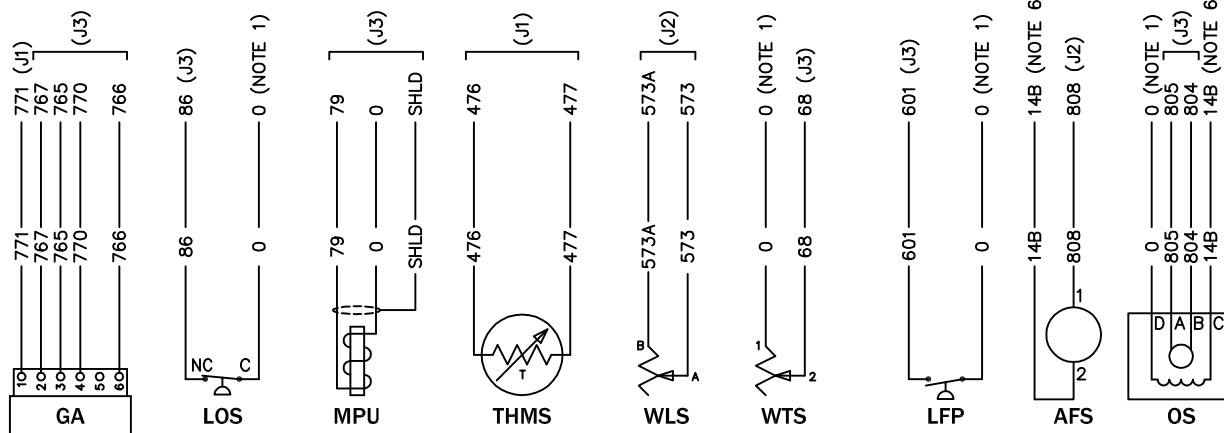
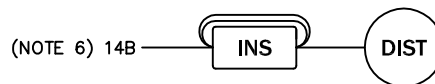
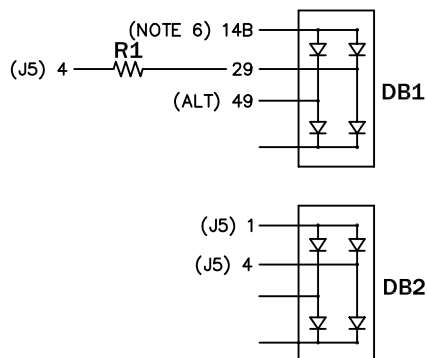
AFS - AIR FUEL SOLENOID	FB1 - FUSE	MLCB - MAIN LINE CIRCUIT BREAKER	WLS - COOLANT LEVEL SENSOR
ALT - DC CHARGE ALTERNATOR	FS_ - FUEL SOLENOID	MPU - MAGNETIC PICKUP	WM - WIFI MODULE
BAT - BATTERY	GA - GOVERNOR ACTUATOR	OS - OXYGEN SENSOR	WTS - COOLANT TEMPERATURE SENSOR
DB_ - DIODE BRIDGE	GND - GROUND CONNECTION	R1 - RESISTOR	
DIST - DISTRIBUTOR CAP	INS - IGNITION NOISE SUPPRESSION	RLY - CONTROL RELAY	
DPE - DISPLACED PHASE EXCITATION	J_ - MAIN CONTROLLER CONNECTORS	SC - STARTER CONTACTOR	
ES_ - EMERGENCY STOP	LFP - LOW FUEL PRESSURE SWITCH	SM - STARTER MOTOR	
F2 - FUSE, RESETTABLE	LOS - LOW OIL PRESSURE SWITCH	THMS - THERMISTOR	

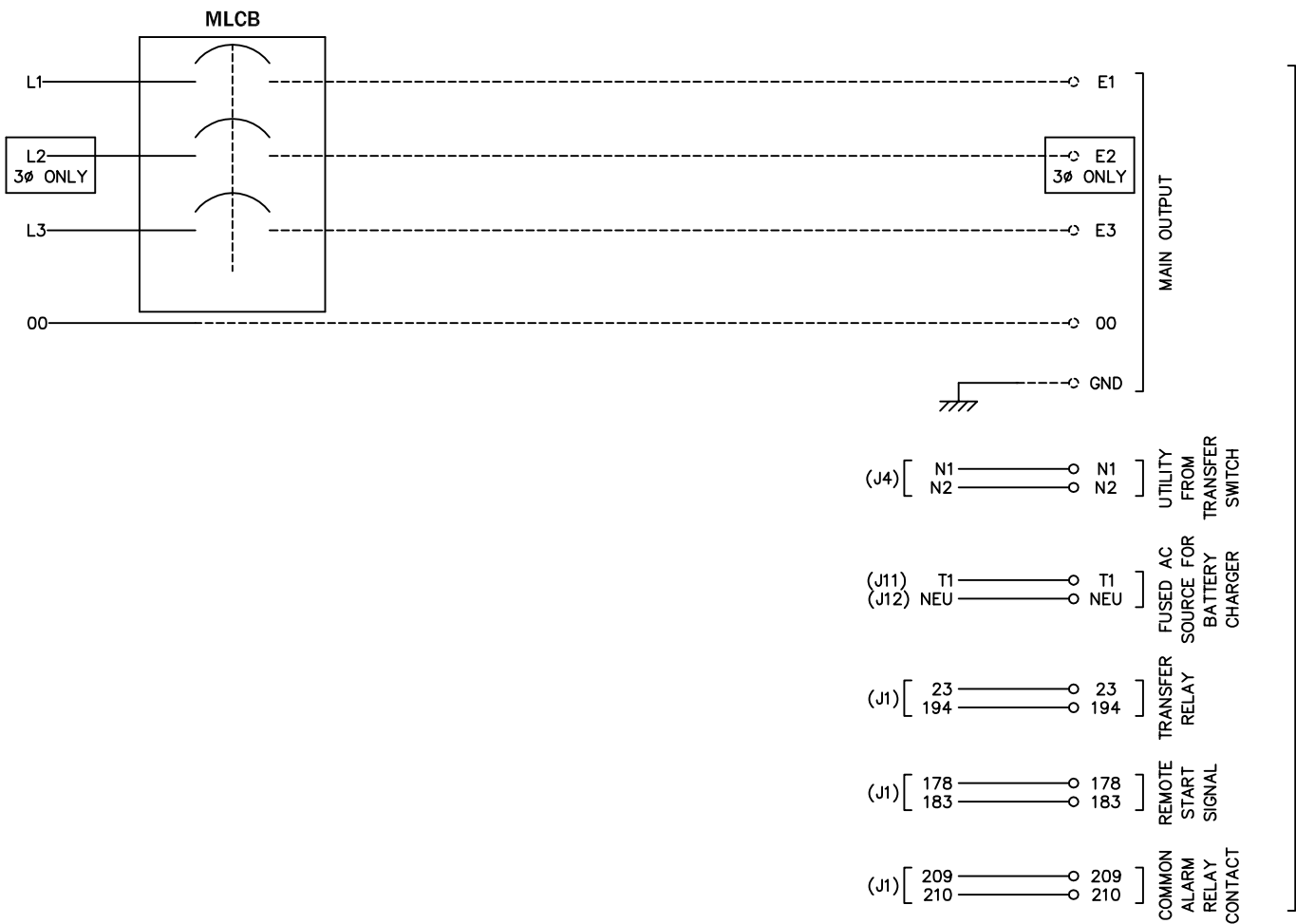


ALTERNATOR CONNECTIONS FOR 1Ø UNITS

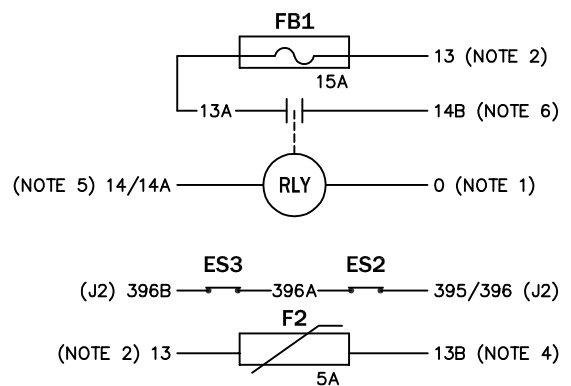
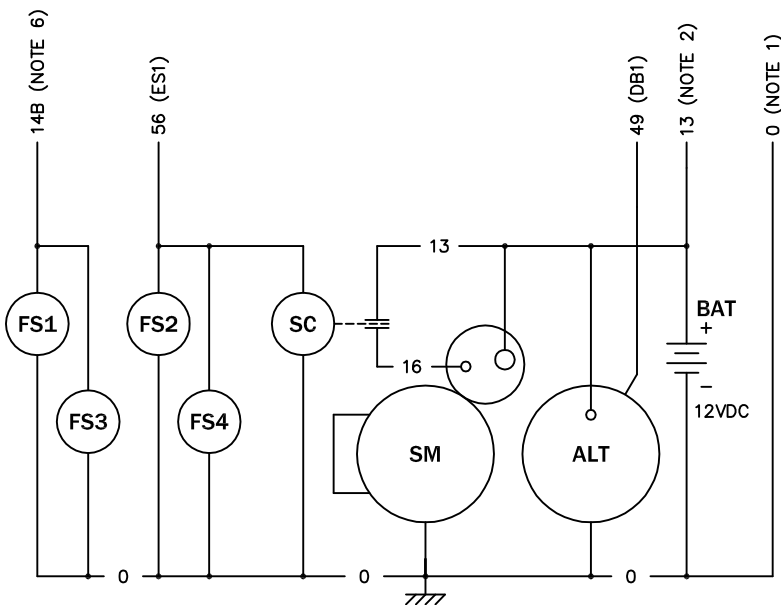


ALTERNATOR CONNECTIONS FOR 3Ø UNITS





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



MAIN CONTROLLER CONNECTIONS

J1

PIN	WIRE	TO	FUNCTION
1	13	BATTERY+	NOTE 2
2	13	BATTERY+	NOTE 2
3	56/56A	ES1	STARTER OUTPUT
4	0	GND	NOTE 1
5	183	CUST CON	REMOTE START
6	194	CUST CON	TRANSFER RELAY COIL (+)
7	23	CUST CON	TRANSFER RELAY COIL CONTROL
8	209/210	CUST CON	COMMON SHUTDOWN ALARM OUTPUT
9	14/14A	ES1	CONTROL RELAY COIL (+)
10	771	GA-1	THROTTLE DRIVE LO
11	476	THMS	THERMISTOR (BATTERY CHARGER)
12	477	THMS	THERMISTOR (BATTERY CHARGER)
13	—	—	—
14	178	CUST CON	REMOTE START
15	209/210	CUST CON	COMMON SHUTDOWN ALARM OUTPUT
16	—	—	—

J2

PIN	WIRE	TO	FUNCTION
1	808	AFS-1	AIR/FUEL RATIO SOLENOID DRIVER
2	—	—	—
3	—	—	—
4	396B	ES3-1	EMERGENCY STOP
5	—	—	—
6	—	—	—
7	—	—	—
8	395/396	ES1	EMERGENCY STOP
9	573	WLS-A	COOLANT LEVEL SIGNAL
10	573A	WLS-B	COOLANT LEVEL SIGNAL RETURN
11	—	—	—
12	—	—	—

J3

PIN	WIRE	TO	FUNCTION
1	SHLD	MPU-1	MAG PICKUP SENSOR DRAIN
2	—	—	—
3	—	—	—
4	—	—	—
5	601	LFP	LOW FUEL PRESSURE
6	68	WTS-2	COOLANT TEMPERATURE SIGNAL
7	765	GA-3	THROTTLE POSITION FEEDBACK SOURCE
8	766	GA-6	THROTTLE POSITION FEEDBACK SIGNAL
9	770	GA-4	THROTTLE DRIVE HI
10	79	MPU-3	MAG PICKUP SIGNAL (+)
11	0	MPU-2	MAG PICKUP SIGNAL (-)
12	—	—	—
13	—	—	—
14	—	—	—
15	86	LOS-2	LOW OIL PRESSURE SIGNAL
16	804	OS-B	OXYGEN SENSOR (+)
17	805	OS-A	OXYGEN SENSOR RETURN
18	767	GA-2	THROTTLE POSITION FEEDBACK RETURN

J4

PIN	WIRE	TO	FUNCTION
1	SA	MLCB	OUTPUT VOLTAGE SENSING A
2	—	—	—
3	N1	CUST CON	UTILITY VOLTAGE SENSING 1
4	SB	MLCB	OUTPUT VOLTAGE SENSING B
5	—	—	—
6	N2	CUST CON	UTILITY VOLTAGE SENSING 2

J5

PIN	WIRE	TO	FUNCTION
1	2	DPE	EXCITER OUTPUT
2	1	FIELD	FIELD -
3	6	DPE	EXCITER RETURN
4	4	FIELD	FIELD +

J6

PIN	WIRE	TO	FUNCTION
1	—	—	—
2	—	—	—
3	—	—	—
4	SHLD	WM	RS232 SHIELD
5	—	—	—
6	—	—	—
7	387	WM-2	RS232 (RX)
8	388	WM-5	RS232 (TX)

	WIRE	TO	FUNCTION
J11	1	T1	CUST CON BATTERY CHARGER UTILITY POWER
J12	2	NEU	CUST CON BATTERY CHARGER UTILITY NEUTRAL

(OPTIONAL)
WIFI MODULE (WM)

WM CONNECTOR

PIN	WIRE	TO	FUNCTION
1	—	—	RS232 SHIELD
2	387	J6-7	RS232 (RX)
3	—	—	—
4	0	GND	NOTE 1
5	388	J6-8	RS232 (TX)
6	13B	F2	NOTE 4

NOTES:

1) WIRE #0 IS CHASSIS GROUND (BATTERY-) UNLESS NOTED OTHERWISE.

2) WIRE #13 IS UNFUSED +12VDC (BATTERY+).

3) WIRE #13A IS FUSED +12VDC.

4) WIRE #13B HAS RESETTABLE FUSE FOR +12VDC POWER TO WIFI MODULE.

5) WIRE #14/14A IS LOW CURRENT +12VDC WHEN GENERATOR IS CRANKING OR RUNNING AND E-STOP IS NOT ACTIVATED.

6) WIRE #14B IS HIGH CURRENT FUSED +12VDC WHEN GENERATOR IS CRANKING OR RUNNING AND E-STOP IS NOT ACTIVATED.

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