

GROUP G

GD CONNECTOR

PIN	WIRE	TO	FUNCTION
1	0	GND	NOTE 1
3	14	R7	THROTTLE DRIVE LO
8	771	GAI-1	THROTTLE DRIVE LO
9	770	GAI-4	THROTTLE DRIVE HI
10	0	GND	NOTE 1
12	769	J1-33	THROTTLE PWM

AVR CONNECTOR

PIN	WIRE	TO	FUNCTION
1	150	FIELD	- FIELD
2	194	J2-31	+12VDC
3	6	PME	PME OUTPUT
4	4	R1/FIELD	+ FIELD
5	4	R1/FIELD	+ FIELD
6	403	J2-4	GATE TRIGGER B
7	404	J2-20	GATE TRIGGER A
10	406	J2-30	ZERO CROSSING I/P
11	405	J2-19	GROUND (ISO)
13	162	CB1	PME OUTPUT (AFTER CB)

ICM - IGNITION MODULE CONNECTOR

PIN	WIRE	TO	FUNCTION
1	25A	CP-C	IGNITION COIL DRIVE A
3	25B	CP-A	IGNITION COIL DRIVE B
10	194A	CIM-3	CIM POWER
11	56	RB1-10	STARTER RELAY OUT
12	56	JMP-1	STARTER RELAY OUT (# SEE NOTE)
13	JMP1	ICM-15	2.4L ENGINE SEL RETURN
14	79A	MPU1-3	FLYWHEEL SENSOR +
15	MP1	ICM-15	2.4L ENGINE SELECT
16	15C	F3	NOTE 7
17	0	GND	NOTE 1
18	15R	CP-B	IGNITION COIL PWR
19	BLU	IM	FLYWHEEL SIGNAL OUT
20	SHLDA	MPU1-1	FLYWHEEL SENSOR DRAIN
21	OA	MPU1-2	FLYWHEEL SENSOR -
22	0	CIM-2	CIM PWR RETURN
23	402	CIM-1	CAM SIGNAL

#NOTE: DISCONNECT JMP WHEN USING LUP FUEL.

ENGINE CONTROL MODULE CONNECTIONS

J1

PIN	WIRE	TO	FUNCTION
3	510	MOD-2	MODEM SIGNAL RETURN
4	805	OS-A	OXYGEN SENSOR RIN (OPTION)
5	804	OS-B	OXYGEN SENSOR + (OPTION)
9	RED	FIELD	
10	R15B	RB1A-3/ES1	OVERSPEED/WATCHDOG
11	256	RB1A-5	FUEL RELAY
12	0	GND	NOTE 1
14	811	MOD-3	MODEM DATA CARRIER DETECT
15	68V	ESC1-1	COOLANT TEMP +
16	80	BOH	BAT CHARGER CURRENT
17	768V	ESC2-2	THROTTLE POS RIN
18	768V	ESC3-1	THROTTLE POS +
19	68R	OPST-3	OIL PRESS RIN
20	68V	OPST-2	OIL PRESS +
21	808	AFS-2	AIR/FUEL SOLENOID (OPTION)
23	56A	RB1A-6	STARTER RELAY
24	BLK	IM	MPU1 SIGNAL -
25	BLU	IM	MPU1 SIGNAL +
26	812	MOD-4	MODEM ENABLE
29	573R	ESC2-2	COOLANT LVL RIN
30	573V	ESC2-1	COOLANT LVL +
31	68R	ESC1-2	COOLANT TEMP RIN
32	809	MOD-1	MODEM 12V POWER
33	769	GO-12	THROTTLE PWM
34	445	RB1A-2	ALARM RELAY
35	15B	F2	NOTE 6

J2

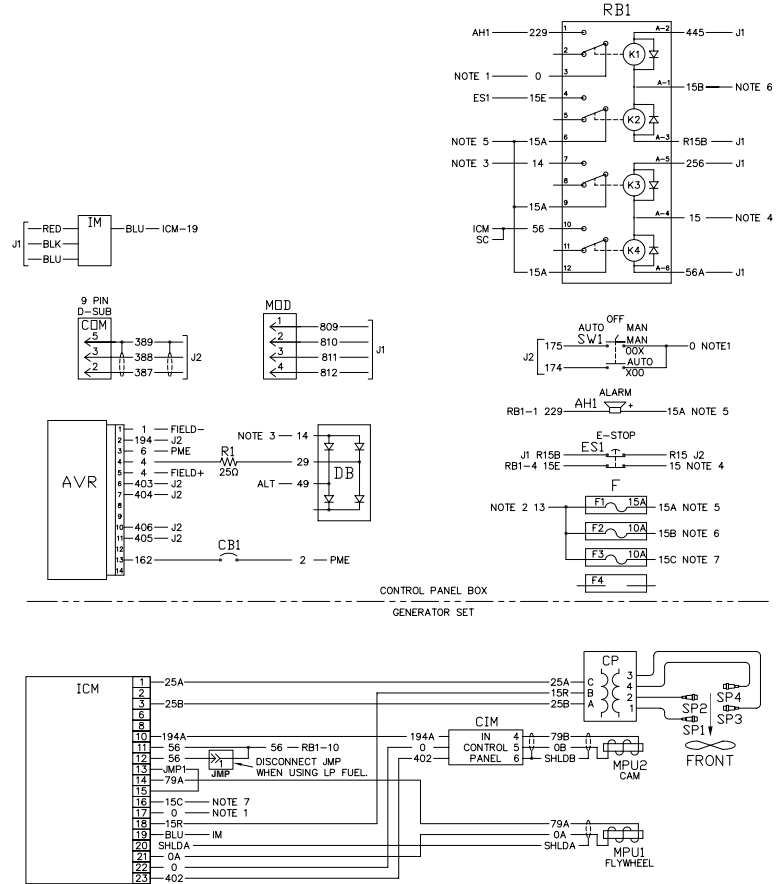
PIN	WIRE	TO	FUNCTION
1	391	CUST CON	RS485 (XFER SW)
2	388	COM-3	RS232 TX (GENLINK)
3	D13	CUST CON	LINE POWER SIGNAL
4	183	CUST CON	REMOTE START
5	174	SW1	AUTO START
6	224	IFT	V SENSE GEN A PH
7	227	IFT	V SENSE RIN
8	403	AVR-6	AVR GATE TRIGGER B
9	399C	CT3	GEN C PH CURRENT -
10	399C	CT3	GEN C PH CURRENT +
11	399A	CT1	GEN A PH CURRENT -
12	398A	CT1	GEN A PH CURRENT +
13	390	CUST CON	RS485 (XFER SW)
14	387	COM-2	RS232 RX (GENLINK)
15	601	LFP	LOW FUEL PRESSURE
16	R15	ES1	EMERGENCY STOP
17	426	IFT	V SENSE GEN C PH
19	405	AVR-11	AVR GROUND
20	404	AVR-7	AVR GATE TRIGGER A
21	006	RB2A-6	SPARE OUTPUT 4
22	006	RB2A-3	SPARE OUTPUT 2
23	005	RB2A-2	SPARE OUTPUT 1
24	SHLD	CUST CON	RS485 DRAIN (XFER SW)
25	389	COM-5	RS232 COM (GENLINK)
26	D14	CUST CON	GEN POWER SIGNAL
27	805	BOH	BAT CHARGER FAIL
28	175	SW1	MANUAL START
29	225	IFT	V SENSE GEN B PH
30	406	AVR-10	AVR ZERO CROSSING I/P
31	194	AVR-2	AVR +12VDC
33	007	RB2A-5	SPARE OUTPUT 3
34	399B	CT2	GEN B PH CURRENT -
35	398B	CT2	GEN B PH CURRENT +

* - CONNECTIONS NOT USED IN 16 UNITS.

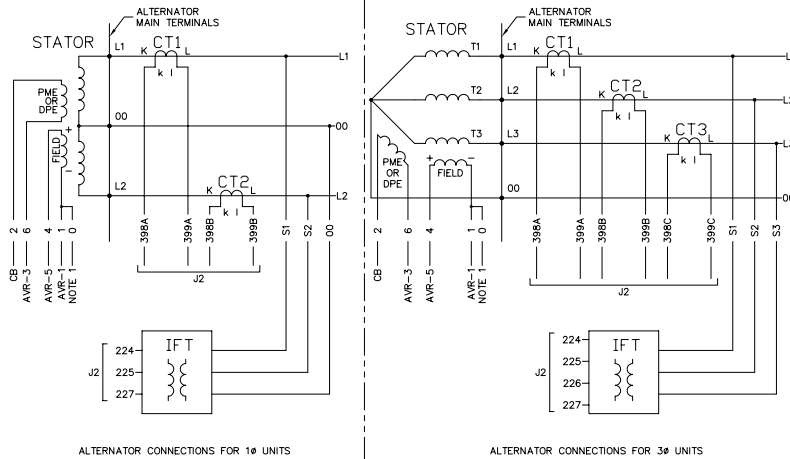
NOTES:

- 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 WHEN E-STOP IS NOT ACTIVATED.
- 5) WIRE# 15A IS FUSED +12VDC FOR GENERAL USE.
- 6) WIRE# 15B IS FUSED +12VDC FOR THE ENGINE CONTROL MODULE.
- 7) WIRE# 15C IS FUSED +12VDC FOR THE IGNITION.

GROUP G

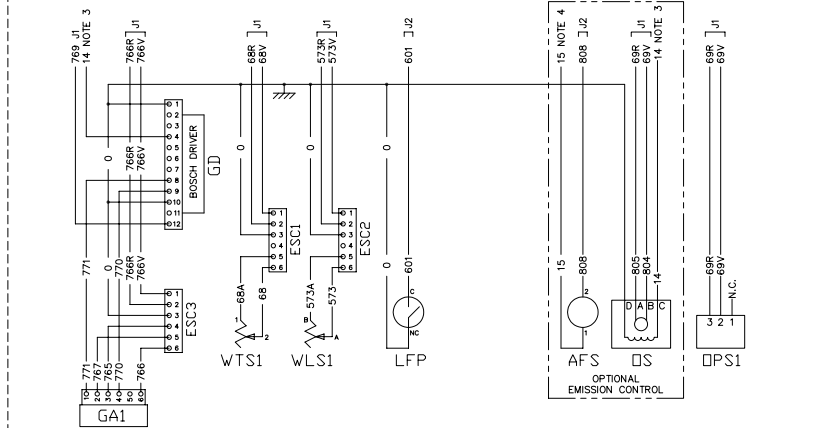


GROUP G



ALTERNATOR CONNECTION BOX

GENERATOR SET



GROUP G

