

A1	AC VOLTAGE REGULATOR	R12	BURDEN RESISTOR
A2	MAF/FUNCTION INDICATOR	R13	BURDEN RESISTOR
A7	FREQUENCY TRANSDUCER	R14	FIELD FLASH RESISTOR
A9	FLOAT SWITCH MODULE	R15	LED RESISTOR
A10-A13	EMI FILTER	S1	MASTER SWITCH
B1	CRANKING MOTOR	S2	PANEL LIGHT SWITCH
BT1	BATTERY 12V	S5	AC CIRCUIT INTERRUPTER SWITCH
BT2	BATTERY 12V	S6	AM/VM TRANSFER SWITCH
CB1	DC CONTROL POWER CIRCUIT BR	S7	BATTLE SHORT SWITCH
CB3	GROUND FAULT CIRCUIT INTERRUPTER	S8	VOLTAGE RECONNECTION SWITCH
CBGND	CONTROL BOX GROUND	S10	DEAD CRANK SWITCH
CPGND	CONTROL PANEL GROUND	S14	CRANK DISCONNECT SWITCH
CR	DIOSES	S17	EMERGENCY STOP SWITCH
CT1	CURRENT TRANSFORMER	SR1	SLAVE RECEPTACLE
CT2	CURRENT TRANSFORMER	SRGND	SLAVE RECEPTACLE GROUND
CT3	CURRENT TRANSFORMER	T32	OUTPUT LOAD TERMINAL BOARD
DS1	PANEL LIGHT	T3	TERMINAL BOARD(S)
DS2	PANEL LIGHT	V1 V4	VARIATOR AC LOAD LINES
DS3	PANEL LIGHT		
DS6	IND LT BATTLE SHORT		
DS7	IND LT AC CIRCUIT INTERRUPTER		
E1	AUXILIARY FUEL PUMP		
E2	FUEL PUMP		
FL1	LOW FUEL LEVEL FLOAT SWITCH		
FL2	AUXILIARY FUEL PUMP FLOAT SWITCH		
FU1	FUSE		
G1	AC GENERATOR		
G2	BATTERY CHARGING ALTERNATOR		
GND	GROUND		
HT	COOLANT HIGH TEMPERATURE SWITCH		
HTR	ENGINE PRE HEATER		
J1	CONVENIENCE RECEPTACLE		
J3	DIAGNOSTIC RECEPTACLE		
K1	AC CIRCUIT INTERRUPTER		
K2	CRANKING RELAY		
K4	OVERVOLTAGE RELAY		
K8	OVERLOAD/SHORT CIRCUIT RELAY		
K12	ENGINE FAULT RELAY		
K15	FIELD FLASH RELAY		
K16	CRANK DISCONNECT RELAY		
K18	PRE HEAT RELAY		
K19	FUEL LEVEL RELAY		
K20	OIL PRESSURE RELAY		
L4	STARTER SOLENOID		
L5	FUEL SOLENOID		
M1	AC VOLTMETER		
M2	FREQUENCY METER		
M3	TIME METER		
M4	BATTERY CHARGING AMMETER		
M5	FUEL LEVEL INDICATOR		
M6	COOLANT TEMPERATURE INDICATOR		
M7	OIL PRESSURE INDICATOR		
M8	AC AMMETER		
MPU	MAGNETIC PICKUP		
MT4	BATTERY CHARGING AMMETER SHUNT		
MT5	FUEL LEVEL SENDER		
MT6	COOLANT TEMPERATURE SENDER		
MT7	OIL PRESSURE SENDER		
OP	LOW OIL PRESSURE SWITCH		
P4	PLUG MALFUNCTION INDICATOR		
R1	VOLTAGE ADJUST POTENTIOMETER		
R10	BURDEN RESISTOR		
R11	BURDEN RESISTOR		

S1 CIRCUIT SCHEDULE	
POSITION	CIRCUITS MADE (2-B-4-6 ARE COMMON)
1 PREHEAT	COMMON TO 1
2 OFF	NONE
3 PRIME & RUN AUX FUEL	COMMON TO 3 & 5
4 PRIME & RUN	COMMON TO 3
5 START	COMMON TO 3 & 7

- Battery Ckt S10 Normal/CB1 Closed
- Preheat Circuit S-1 to PREHEAT
- Prime & Run Ckt
- Auxiliary Fuel
- Start Circuit
- Over 900 RPM from MPU

30A Fuse
Batt Chrg
00-539-6920

Alternator
01-459-1661

