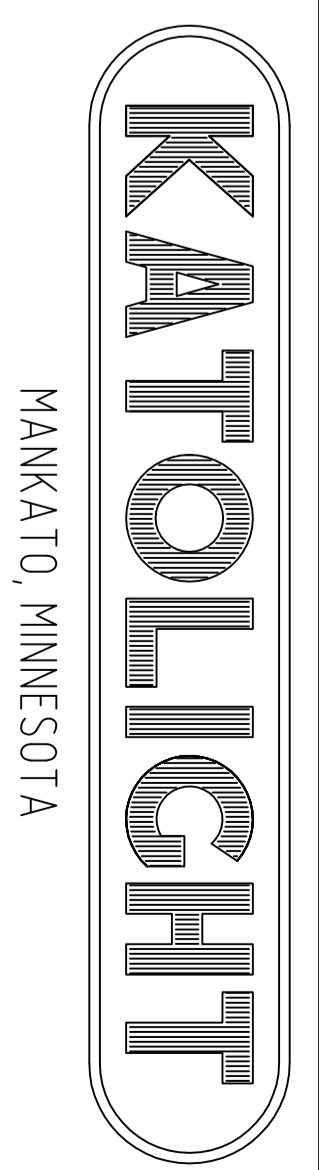


LEGEND

AL	ALARM
ALS	ALARM SILENCE SWITCH
ALT	ALTERNATOR
DCV	DC VOLT METER
DG	DIAGNOSTIC GAUGE
EC	ENGINE CONTROL KASSEC
ECCS	ENGINE CONTROL SWITCH
F1	PANEL FUSE ABC 10 AMP
FS	FUEL SOLENOID
GEN	GENERATOR
GND	GROUND
HTL	HIGH ENGINE TEMPERATURE LED
HTS	HIGH ENGINE TEMPERATURE SWITCH
LWL	LOW WATER LEVEL PROBE
LWLL	LOW WATER LEVEL LED
OCL	OIL PRESSURE GAUGE
OPG	OIL PRESSURE GAUGE LED
OPGS	OIL PRESSURE GAUGE SENDER
OPL	LOW OIL PRESSURE LED
OPS	LOW OIL PRESSURE SWITCH
OS	OVERSPEED SWITCH SM 124
OSL	ENGINE OVERSPEED LED
PTT	PRESS TO TEST
R1	200 OHM RESISTOR
RTM	RUNNING TIME METER
SM	STARTER MOTOR
SMS	STARTER MOTOR COIL PILOT RELAY
SMS	STARTER MOTOR SOLENOID
TB1	TERMINAL BOARD 1
WTG	WATER TEMPERATURE GAUGE
WTGS	WATER TEMPERATURE GAUGE SENDER

- NOTE:
1. WIRE NUMBERS ARE IN PARENTHESIS
 2. ENGINE WIRING IS #16 GA UNLESS OTHERWISE SPECIFIED
 3. CONTROL PANEL WIRING IS #20 GA UNLESS OTHERWISE SPECIFIED
 4. ENGINE CONTROL SWITCH IS IN OFF POSITION
 5. R1 ONLY USED ON 24 V UNITS
 6. EC AND OS ARE AC AND DC DEVICES. SEE AC DIAGRAM
 7. SHORT DASHED LINES (-----) INDICATE CUSTOMER CONNECTION OR OPTIONAL EQUIPMENT
 8. BATTERY CHARGER FUSE ONLY WHEN SUPPLIED OR REQUIRED BY CHARGER MANUFACTURER
 9. REMOTE ANNUNCIATOR IS OPTIONAL EQUIPMENT CHECK BILL OF MATERIALS

SPECIAL NOTE
 TO MINIMIZE ANY ELECTRICAL NOISE BEING INTRODUCED INTO THE ENGINE CONTROLLER, CONTROL WIRING AND AC POWER LINES NEED TO BE RUN IN SEPARATE CONDUITS.



DC LADDER DIAGRAM

SIZE	DATE	DWG NO	
B	9-27-2004	819-B-14827	
DESCRIPTION	STD 45, JDEC	OWN BY MDN	SHEET 1 OF 1

REVISION 1: MOVED DIODES INTO PANEL 11-9-2004, ECG
 REVISION 2: ADDED WIRES A3 & A9 TO STOCK PANEL HARNESS 3-16-06 PMM
 REVISION 3: TB1 S WAS TB1 102; WIRES 100 & 101 SHIELDED 3-5-07 PMM

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