

2 Testout Emergency Stop on units will test hand crank
 5 crank cycles 10 sec power pressure
 9422 High Temp 9413 Overcrank
 High Water Temp
 9423 High Temp 4.7VDC ok
 9424 High Temp 0 failure overcrank

Description of Wire Circuits

Wire #	Wire Name	Destination	Description
1	Fused Battery Positive (9 Amp) <i>Battery +</i>	Power for KASSEC, Light Board, SM124, ETC.	
2	Energize to run	Originates from KASSEC # 2	Power out to fuel solenoids & ignition systems
3	Crank <i>Inter 15122 to Start</i>	Originates from KASSEC # 3	Power out to starter relay
4	Battery Positive via Engine Control Switch	To KASSEC # 4, Low Water Board # 1	Power for KASSEC to monitor for Auto Start
5	Magnetic pick-up signal (optional)	To KASSEC # 5	Used for crank disconnect
6	Engine alternator signal	To KASSEC # 6	Used for crank disconnect
7	Auxiliary crank disconnect	To KASSEC # 7	Used for crank disconnect
8	Start signal <i>Input</i>	To KASSEC # 8	Positive signal to auto start unit
9	Battery Ground	To KASSEC # 9 etc.	Common DC voltage ground
10	Alternator feed to battery	To Charge Rate Ammeter	
11	Low water level	To Low Water Level Board # 2	Low water level signal
12	AC line	From isolation transformer X1 to KASSEC #12, SM124 AC, Hz meter	Isolated AC tap
13	Overcrank Light	From KASSEC # 13 to Failure Light Board	Power for Overcrank LED
14	Low Oil Light	From KASSEC # 14 to Failure Light Board	Power for Low Oil LED
15	High Engine Temperature Light	From KASSEC # 15 to Failure Light Board	Power for High Temp LED
16	Overspeed Light	From KASSEC # 16 to Failure Light Board	Power for Overspeed LED
17	Spare failure light #1	From KASSEC # 17 to Failure Light Board	Power for spare failure LED # 1 (LWL)
18	Overspeed signal	From SM124 NO to KASSEC # 18	Ground signal for shutdown
19	Spare failure signal # 2	To KASSEC # 19	Ground signal for shutdown (ESP)
20	Spare failure light # 2	From KASSEC # 20 to Failure light	Power for spare failure LED #2 (ESP)
21	Spare failure signal # 1	To KASSEC # 21 <i>LOW fuel</i>	Ground signal for shutdown #1 (LWL)
22	High Engine Temperature Switch	To KASSEC # 22 <i>825-215</i>	Ground signal for shutdown
23	Common Alarm	From KASSEC # 23	OPTION Power for external alarm relays & buzzers
24	Low Oil Switch	To KASSEC # 24	Ground signal for shutdown
25	Auto Start Contact	To Engine Control Switch # 9	Positive signal for auto start from transfer switch
26	Unit Not in Auto Light	To Failure Light Board	Engine Control Switch in manual position
27	Panel Light	From Panel Light Switch to Panel Lights	OPTION on 45K panels
28	AC Ammeter	From AV Selector Switch to AC Ammeter	Interconnect wire
29	Not Used		
30	Alarm Buzzer	From Alarm Silence Switch to Alarm Buzzer	OPTION on 45K panels
31	Not Used		
32	Not Used		
33	Not Used		
34	CT1	To AV Selector Switch	Line 1 Metering CT
35	CT2	To AV Selector Switch	Line 2 Metering CT
36	CT3	To AV Selector Switch	Line 3 Metering CT
37	Neutral		
38	Voltmeter	From AV Selector Switch to AC Voltmeter	

39	Voltmeter	From AV Selector Switch to AC Voltmeter	
40	Oil Pressure Gauge	To Oil Pressure Gauge S	
41	Water Temperature Gauge	To Water Temp. Gauge S	
42	Low Oil Pressure Prealarm	To Failure Light Board # 4	
43	High Water Temperature Prealarm	To Failure Light Board # 5	
44	Low Water Temperature	To Failure Light Board # 6	
45	Emergency Power Supplying Load	To Failure Light Board # 7	
46	Low Fuel Level	To Failure Light Board # 3	
47	Battery Charger Malfunction	To Failure Light Board # 11	
48	Unfused Battery Positive		
49	Low Battery Voltage	To Failure Light Board # 10	
50	Governor Pilot	From TB1 48 to K1 7 via 15 AMP fuse	
51	Aux Governor Pilot/Run circuit		
52	Not Used		
53	Not Used		
54	Not Used		
55	Not Used		
56	Not Used		
57	Fuel Leak	To Failure Light Board	OPTION
58	High Fuel Level/Critical Low Fuel Level	To Failure Light Board	OPTION
59	Not Used		
60	Governor Actuator	From Governor To TB1 # 60	
61	Governor Actuator	From Governor To TB1 # 61	
62	Magnetic Pick-up (+)	To Governor From TB1 # 62	
63	Magnetic Pick-up (-)	To Governor From TB1 # 63	
64	Not Used		
65	Tachometer		OPTION
66	Oil Temperature Gauge	To Oil Temperature Gauge S	OPTION
67	Governor Speed Adjust		OPTION
68	Governor Speed Adjust		OPTION
69	Governor Speed Adjust		OPTION
70	Voltage Adjust Rheostat		OPTION
71	Voltage Adjust Rheostat		OPTION
72	Not Used		
73	Not Used		
74	Aux. Relay N.O.		OPTION
75	Aux. Relay COMMON		OPTION
76	Aux. Relay N.C.		OPTION
77	Aux. Relay N.O.		OPTION
78	Aux. Relay COMMON		OPTION

[illegible]