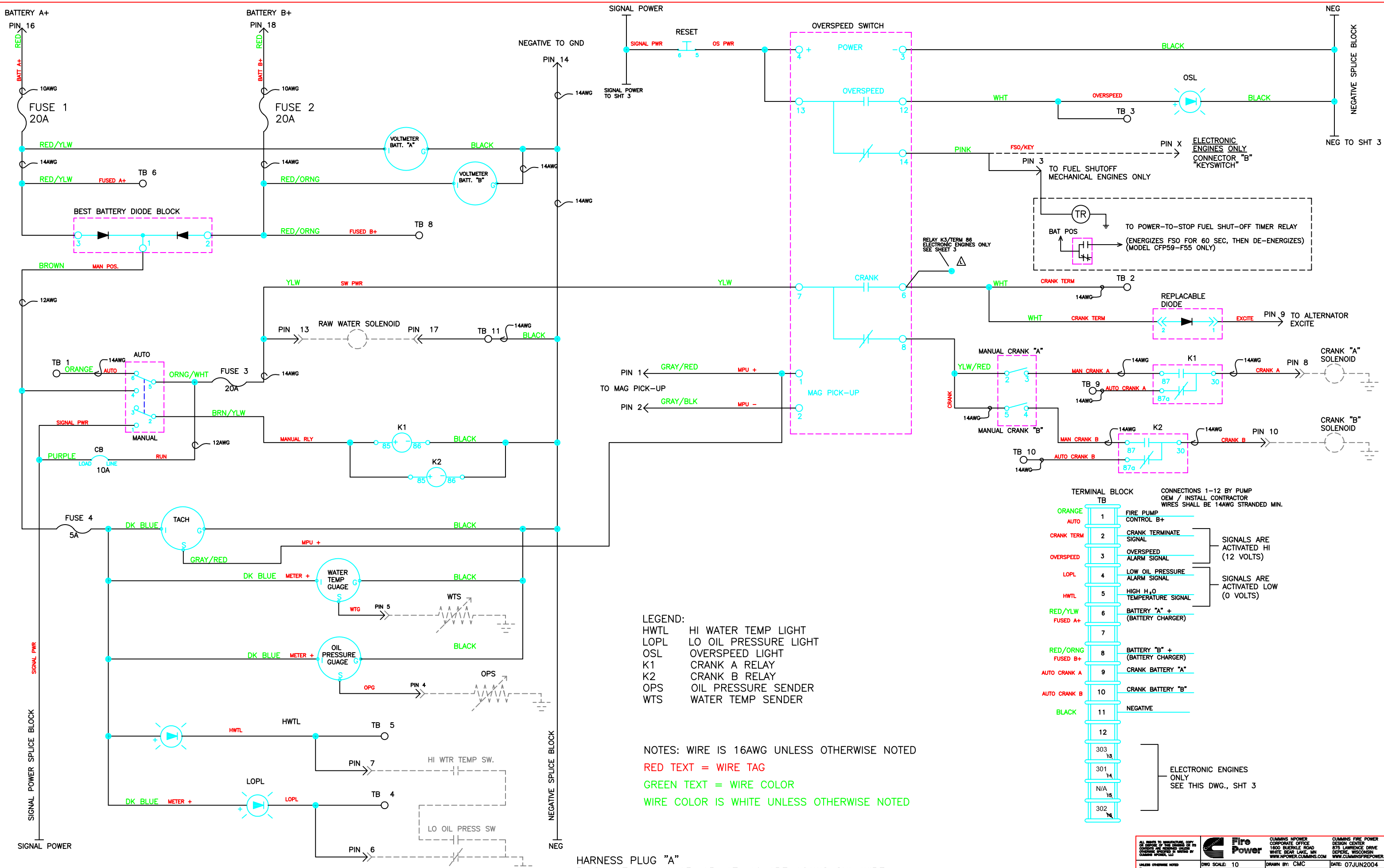


Before 20 August  
2006



LEGEND:  
 HWTL HI WATER TEMP LIGHT  
 LOPL LO OIL PRESSURE LIGHT  
 OSL OVERSPEED LIGHT  
 K1 CRANK A RELAY  
 K2 CRANK B RELAY  
 OPS OIL PRESSURE SENDER  
 WTS WATER TEMP SENDER

NOTES: WIRE IS 16AWG UNLESS OTHERWISE NOTED  
 RED TEXT = WIRE TAG  
 GREEN TEXT = WIRE COLOR  
 WIRE COLOR IS WHITE UNLESS OTHERWISE NOTED

HARNESS PLUG "A"  
 PINS 1-7, 9, 11, 13, 15, 17, 19 ARE 16AWG SXL WIRE  
 PINS 16 & 18 ARE 10AWG SXL WIRE (12 GA CAVITIES)  
 PINS 12, 14, 16 & 18 ARE 14AWG SXL WIRE (12 GA CAVITIES)

TERMINAL BLOCK TB	CONNECTIONS 1-12 BY PUMP OEM / INSTALL CONTRACTOR WIRES SHALL BE 14AWG STRANDED MIN.
ORANGE 1	FIRE PUMP CONTROL B+
ORANGE AUTO 2	CRANK TERMINATE SIGNAL
CRANK TERM 3	OVERSPEED ALARM SIGNAL
OVERSPEED 4	LOW OIL PRESSURE ALARM SIGNAL
LOPL 5	HIGH H <sub>2</sub> O TEMPERATURE SIGNAL
HWTL 6	BATTERY "A" + (BATTERY CHARGER)
RED/YLW FUSED A+ 7	
RED/ORNG FUSED B+ 8	BATTERY "B" + (BATTERY CHARGER)
AUTO CRANK A 9	CRANK BATTERY "A"
AUTO CRANK B 10	CRANK BATTERY "B"
BLACK 11	NEGATIVE
303 12	
301 13	
N/A 14	
302 15	

SIGNALS ARE ACTIVATED HI (12 VOLTS)  
 SIGNALS ARE ACTIVATED LOW (0 VOLTS)

ELECTRONIC ENGINES ONLY SEE THIS DWG., SHT 3

M	CONSOLIDATE ALL PAGES TO REV M	RJS	24 FEB 06
REV	DESCRIPTION OF REVISION	BY	DATE

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UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN INCHES  
 APPLY MACHINING TOLERANCES  
 ± = 0.005  
 ± = 0.010  
 ± = 0.015  
 ± = 0.020  
 ± = 0.030

APPLY WELDED TOLERANCES  
 ± = 0.010  
 ± = 0.015  
 ± = 0.020

**Fire Power**  
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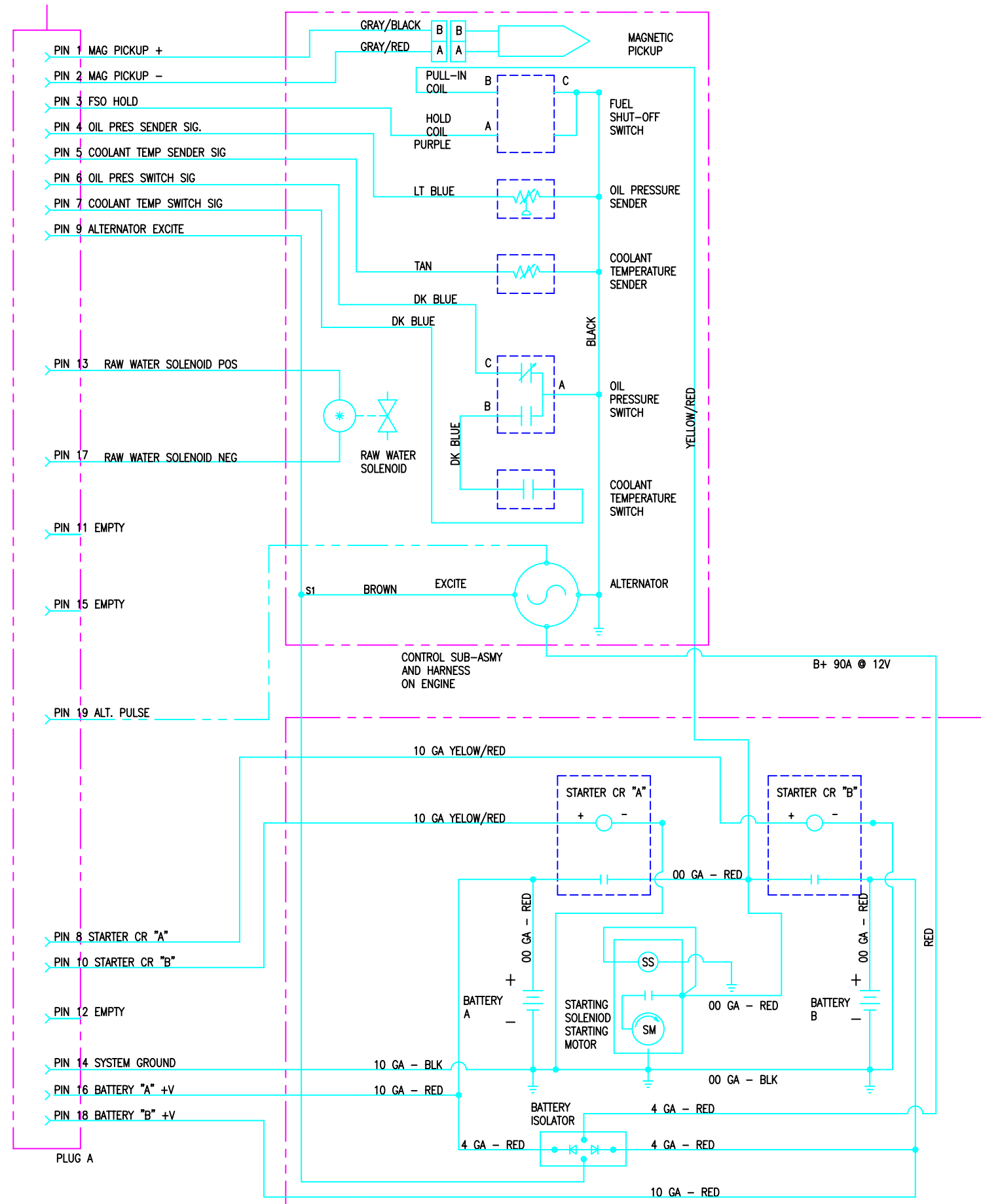
DWG SCALE: 10  
 PLOT SCALE:  
 DRAWN BY: CMC  
 APPD BY:  
 DATE: 07JUN2004

DESCRIPTION  
 SCHEMATIC, GAUGE BOX

REFERENCE:  
 FIRE PUMP

DRAWING NUMBER:  
 8512SHT1\_M

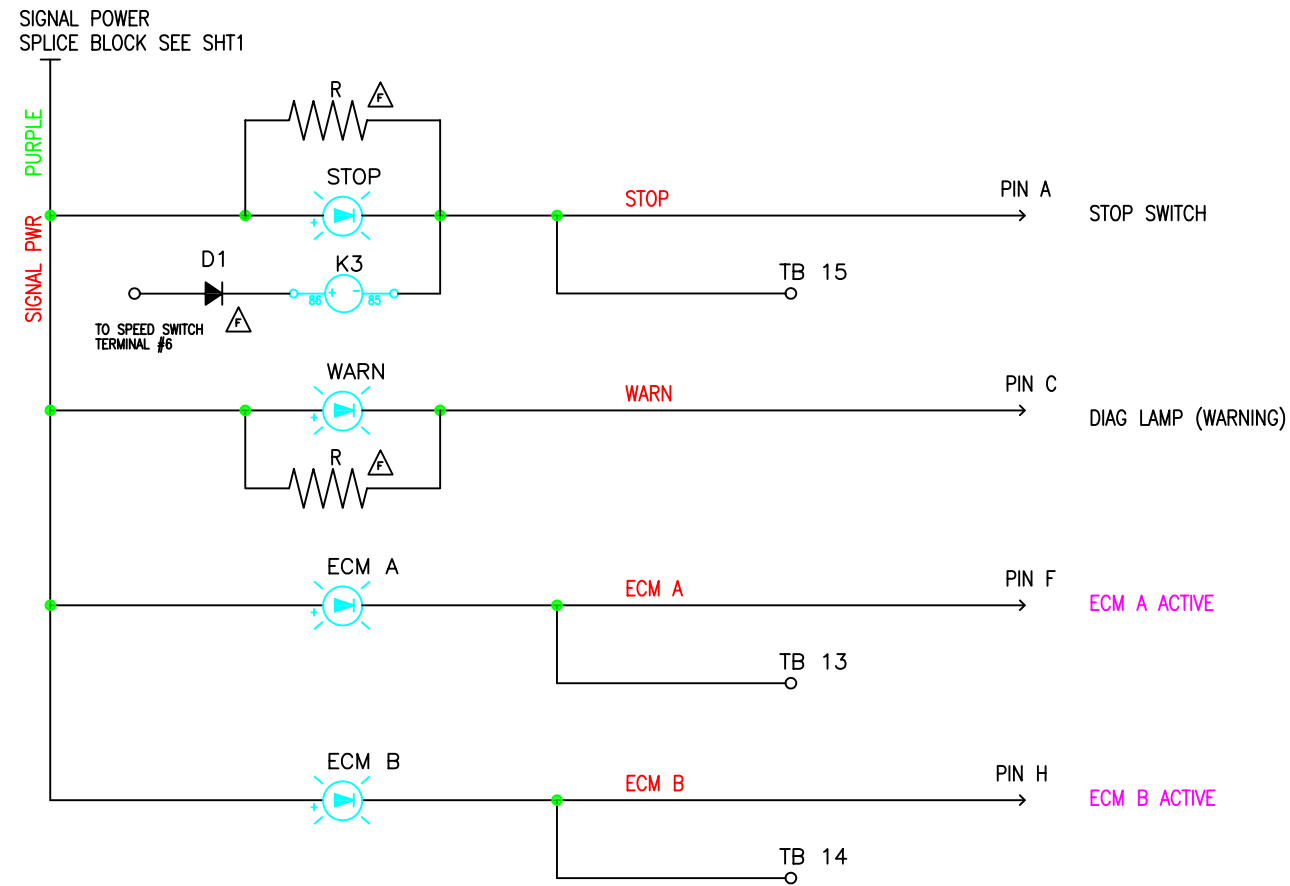
HARNESS PLUG "A"  
 PINS 1-7, 9, 11, 13, 15, 17, 19 ARE 16AWG SXL WIRE  
 PINS 16 & 18 ARE 10AWG SXL WIRE (12 GA CAVITIES)  
 PINS 12, 14, 16 & 18 ARE 14AWG SXL WIRE (12 GA CAVITIES)



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<small>UNLESS OTHERWISE NOTED          ALL DIMENSIONS ARE IN INCHES          APPLY UNLESS TOLERANCES          .01" = ± 0.010          .005" = ± 0.005          .001" = ± 0.001</small>	<small>DWG SCALE: 10</small> <small>PLOT SCALE:</small>	<small>DRAWN BY: CMC</small> <small>APPD BY:</small>	<small>DATE: 19MAY2004</small> <small>DATE:</small>	<small>DESCRIPTION</small> <b>SCHEMATIC, ENGINE WIRING</b>	
<small>REFERENCE:</small> <b>FIRE PUMP</b>			<small>DRAWING NUMBER:</small> <b>8512SHT2_M</b>		

M	CONSOLIDATE ALL PAGES TO REV M	RJS	24 FEB 08
REV	DESCRIPTION OF REVISION	BY	DATE

ELECTRONIC ENGINES ONLY



LEGEND:

K3 ECM/FUEL FAIL RELAY  
R RESISTOR

NOTES: WIRE IS 16AWG UNLESS OTHERWISE NOTED

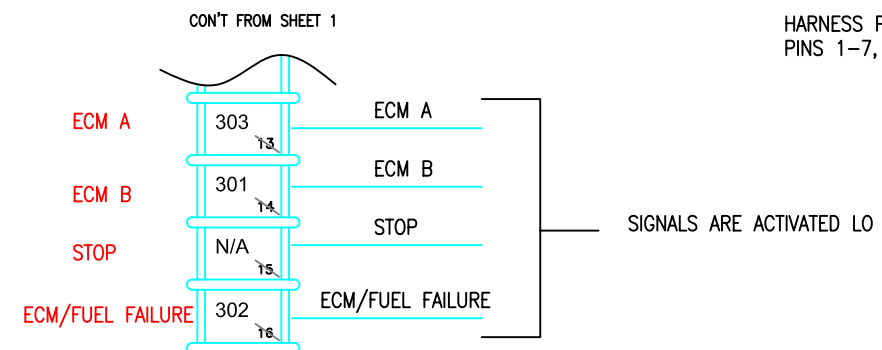
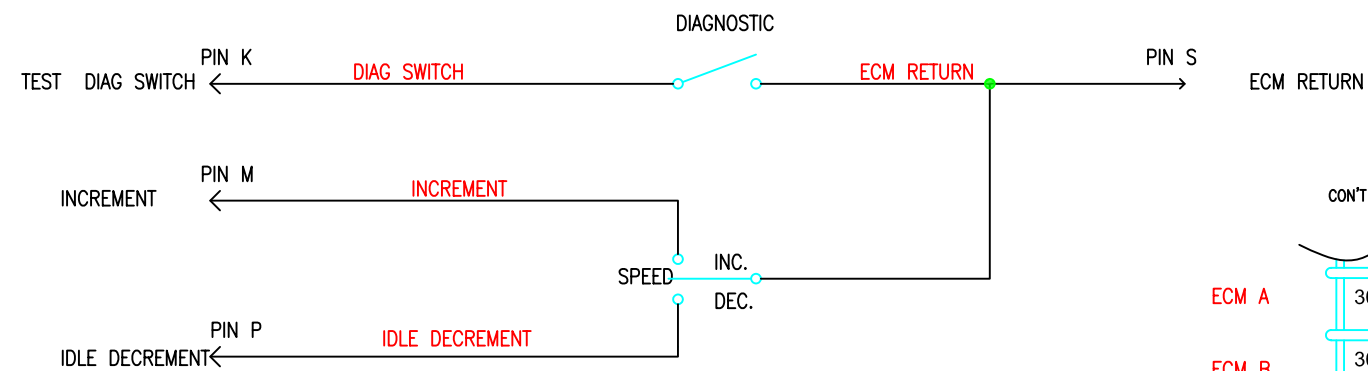
RED TEXT = WIRE TAG

GREEN TEXT = WIRE COLOR

WIRE COLOR IS WHITE UNLESS OTHERWISE NOTED

△ RESISTOR VALUE = 1.5k OHMS 1/2 WATT

△ D1 VALUE = 6 AMPS/100V MIN

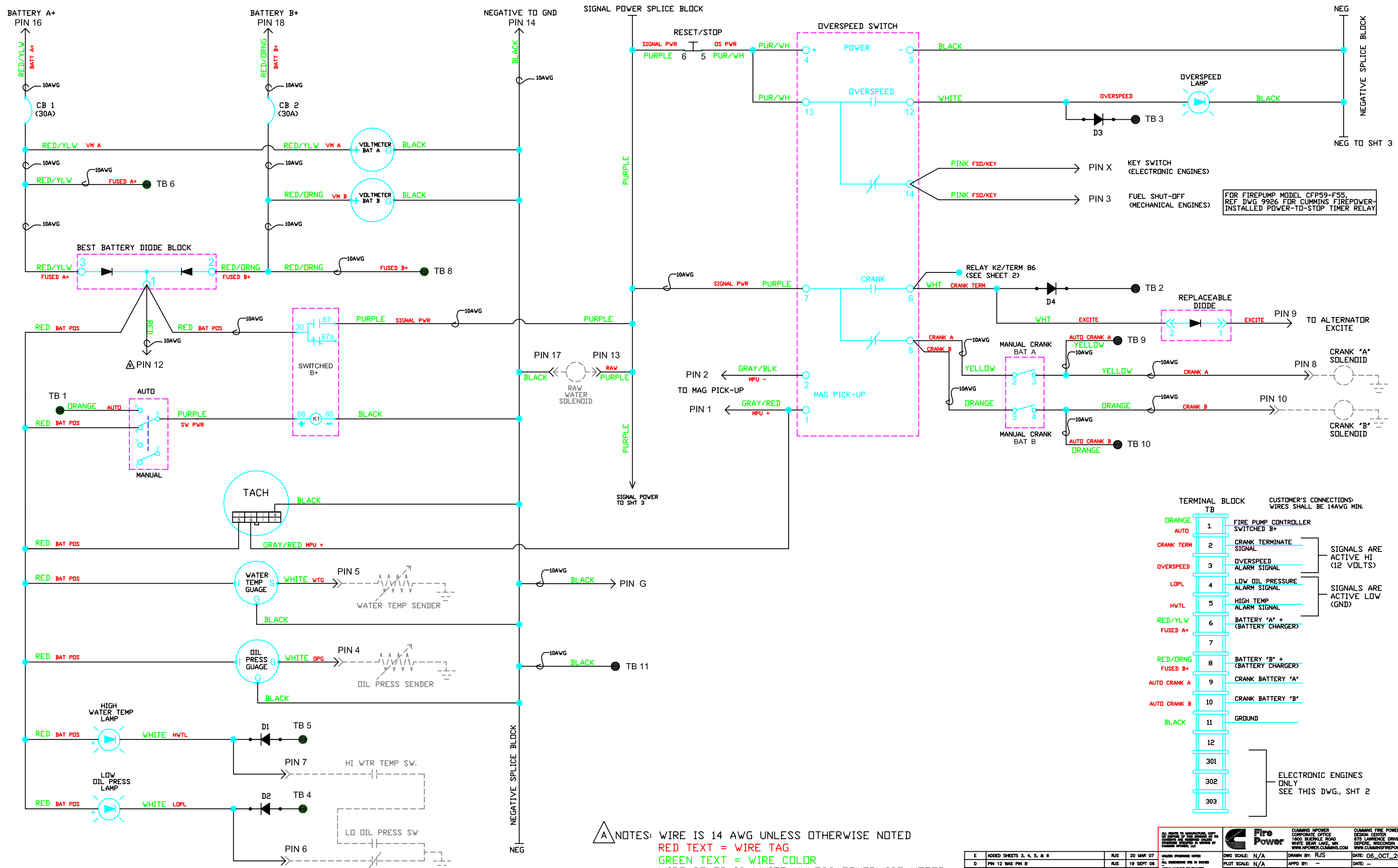


HARNESS PLUG "B"  
PINS 1-7, 9, 11, 13, 15, 17, 19 ARE 16AWG SXL WIRE

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<small>UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN INCHES</small> <small>APPLY UNLESS TOLERANCES</small> .015" - 0.030" .030" - 0.060" .060" - 0.125" <small>APPLY UNLESS TOLERANCES</small> .125" - 0.250" .250" - 0.500"	DWG SCALE: 10 PLOT SCALE:	DRAWN BY: CMC APPD BY:	DATE:	DESCRIPTION SCHEMATIC, CONTROL PANEL, ECM UPFIT	
M CONSOLIDATE ALL PAGES TO REV M REV DESCRIPTION OF REVISION	RJS 24 FEB 08 BY DATE	REFERENCE: FIREPUMP QSB, QSC, QSM	DRAWING NUMBER: 8512SHT3_M		

M	CONSOLIDATE ALL PAGES TO REV M	RJS	24 FEB 08
REV	DESCRIPTION OF REVISION	BY	DATE

After 20 August  
2006



FOR FIREPUMP MODEL CFP59-F55,  
REF DWG 9926 FOR CUMMINS FIREPOWER-  
INSTALLED POWER-TO-STOP TIMER RELAY

TERMINAL BLOCK TB	CUSTOMER'S CONNECTIONS Wires shall be 14AWG MIN.
ORANGE AUTO	1 FIRE PUMP CONTROLLER SWITCHED B+
CRANK TERM	2 CRANK TERMINATE SIGNAL
OVERSPEED	3 OVERSPEED ALARM SIGNAL
LOPL	4 LOW OIL PRESSURE ALARM SIGNAL
HVTL	5 HIGH TEMP ALARM SIGNAL
RED/YLW FUSED A+	6 BATTERY 'A' + (BATTERY CHARGER)
7	
RED/DRNG FUSED B+	8 BATTERY 'B' + (BATTERY CHARGER)
AUTO CRANK A	9 CRANK BATTERY 'A'
AUTO CRANK B	10 CRANK BATTERY 'B'
BLACK	11 GROUND
301	
302	
303	

SIGNALS ARE ACTIVE HI (12 VOLTS)  
SIGNALS ARE ACTIVE LOW (GND)

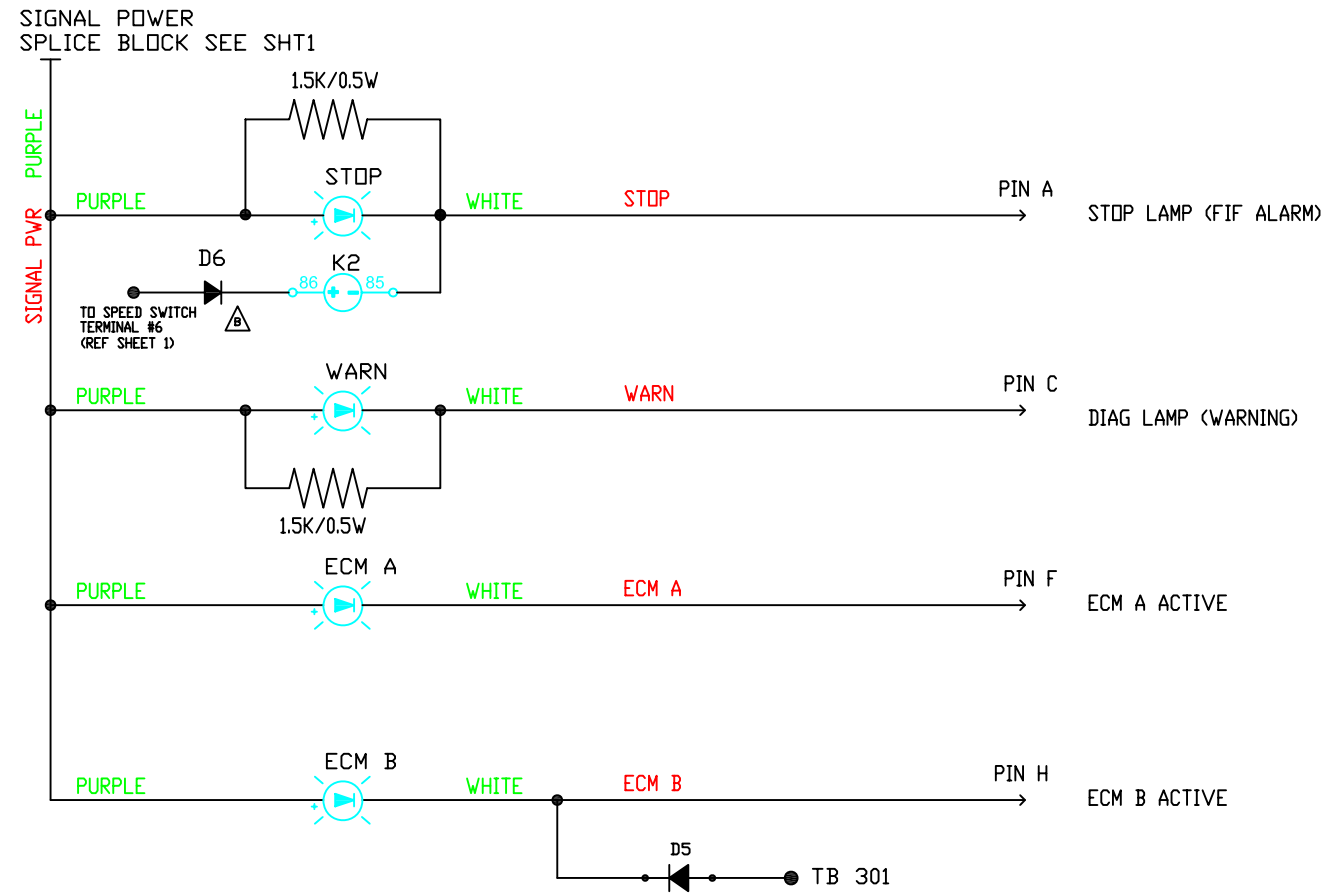
ELECTRONIC ENGINES ONLY  
SEE THIS DWG., SHT 2

**NOTES:** WIRE IS 14 AWG UNLESS OTHERWISE NOTED  
 RED TEXT = WIRE TAG  
 GREEN TEXT = WIRE COLOR  
 WIRE COLOR IS WHITE UNLESS OTHERWISE NOTED  
 D1 - D4: 6 Amp/400 Vpiv

REV	DESCRIPTION OF REVISION	BY	DATE
E	ADDED SHEETS 3, 4, 5, & 6	RJS	20 MAR 07
D	PIN 12 WAS PIN B	RJS	19 SEPT 06
C	REMOVED 5 AMP CIRCUIT BREAKER	RJS	27 JUNE 06
B	ADDED CONNECTION TO TERM 6 OF SPEED SWITCH	RJS	17 DEC 05
A	CHANGED WIRE GAUGES; CHG'D TB 1 LABELS	RJS	27OCT05

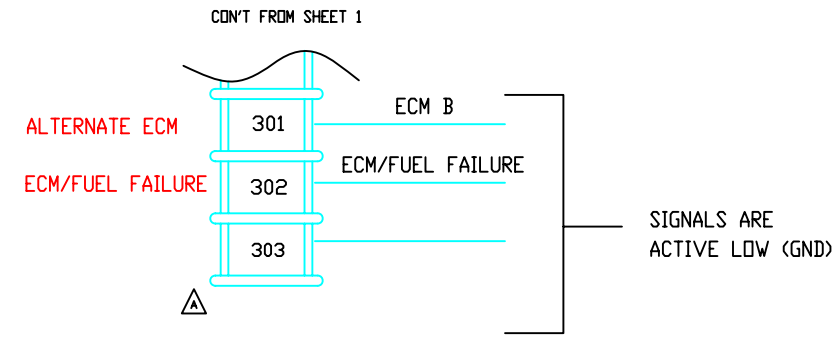
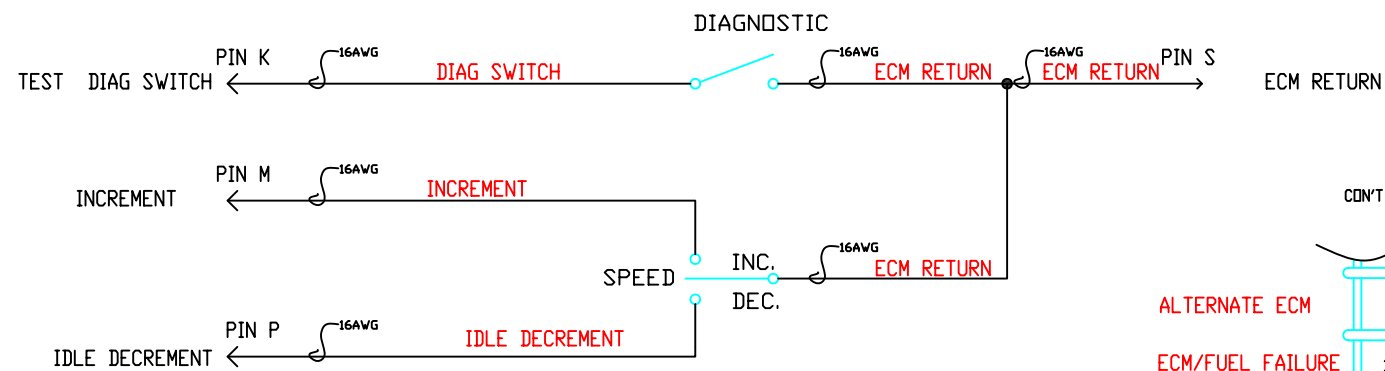
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DWG SCALE: N/A PLOT SCALE: N/A DESCRIPTION: SCHEMATIC_CONTROL_PANEL REFERENCE: FIREPUMP	DRAWN BY: RJS APPD BY: -- DATE: 06_OCT_2005 DATE: -- DRAWING NUMBER: 10423E_SHT1

ADDITIONAL CIRCUITS FOR ELECTRONIC ENGINES

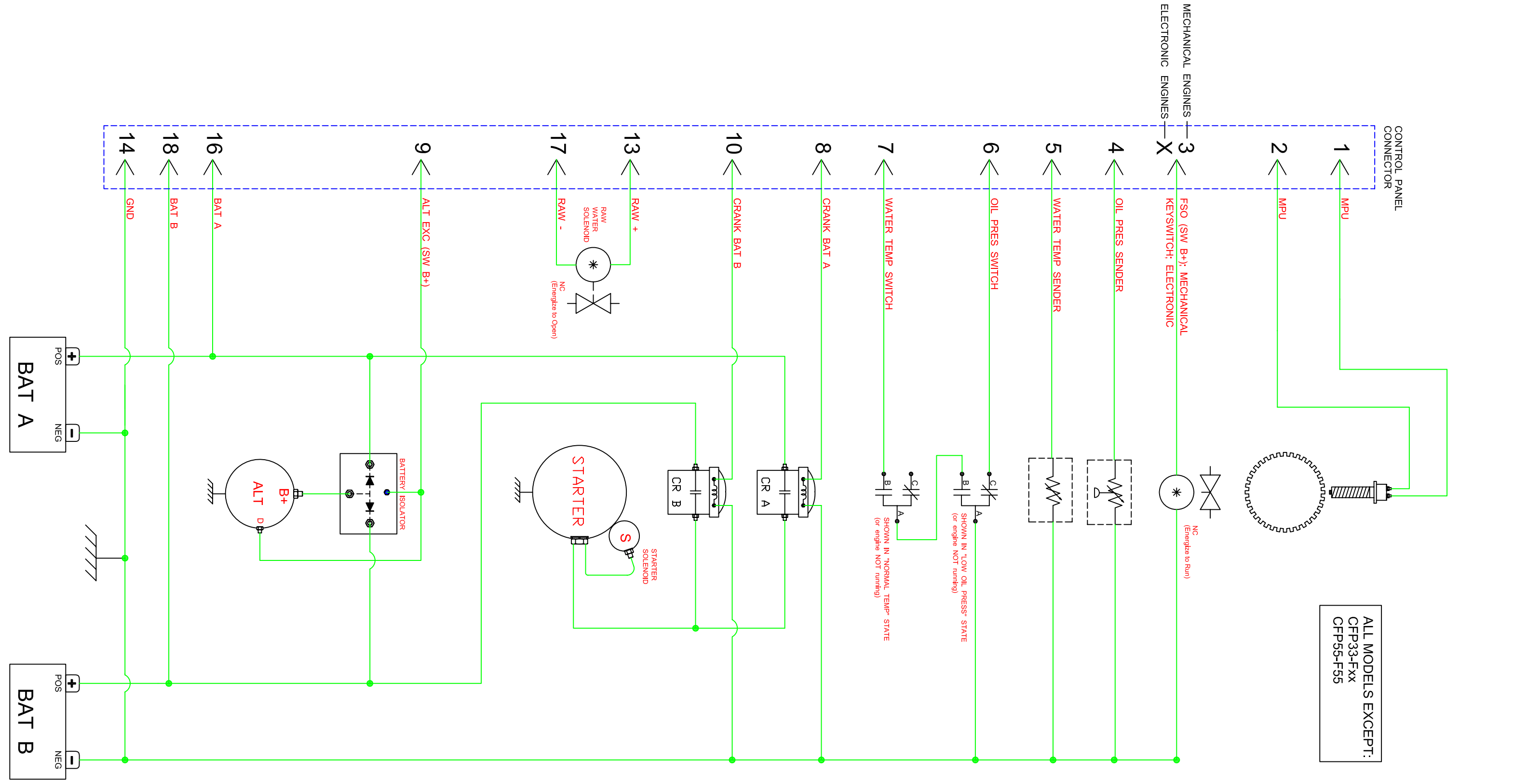


LEGEND:  
 K2 ECM/FUEL FAIL RELAY  
 R RESISTOR

NOTES: WIRE IS 14AWG UNLESS OTHERWISE NOTED  
 RED TEXT = WIRE TAG  
 GREEN TEXT = WIRE COLOR  
 WIRE COLOR IS WHITE UNLESS OTHERWISE NOTED  
 RESISTOR VALUE = 15Kohms, 1/2W  
 MINIMUM DIODE RATING: 6A/400V



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E	ADDED SHEETS 3, 4, 5, & 6	RJS	20 MAR 07	UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN INCHES	DWG SCALE: N/A	DRAWN BY: RJS	DATE: 06_OCT_2005
D	SEE SHT 1 FOR REV CHANGE	RJS	19 SEPT 06	APPLY MOUNTING TOLERANCES .01" - 2.00"	PLOT SCALE: N/A	APPD BY: --	DATE: --
C	REDRAW	RJS	3 JULY 06	.005" - 2.00"	DESCRIPTION SCHEMATIC; CONTROL_PANEL		
B	CHG'D WIRING OF K2	RJS	17 DEC 05	.001" - 2.00"	REFERENCE: FIREPUMP		
A	REF PAGE 1 REV NOTES	RJS	27 OCT 05	.001" - 2.00"	DRAWING NUMBER: 10423E_SHT2		
REV	DESCRIPTION OF REVISION	BY	DATE				



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E	ADDED SHEETS 3, 4, 5, & 6	RJS	20 MAR 07	DWG SCALE: N/A	DATE: 06_OCT_2005
D	SEE SHT 1 FOR REV CHANGE	RJS	19 SEPT 06	PLOT SCALE: N/A	DATE: --
C	REDREW	RJS	3 JULY 06	DRWN BY: RJS	
B	CHG'D WIRING OF K2	RJS	17 DEC 05	APPD BY: --	
A	REF PAGE 1 REV NOTES	RJS	27 OCT 05		
REV	DESCRIPTION OF REVISION	BY	DATE		

**Fire Power**

DESCRIPTION: ENGINE\_SCHEMATIC

REFERENCE: FIREPUMP

DRAWING NUMBER: 10423E\_SHT3