

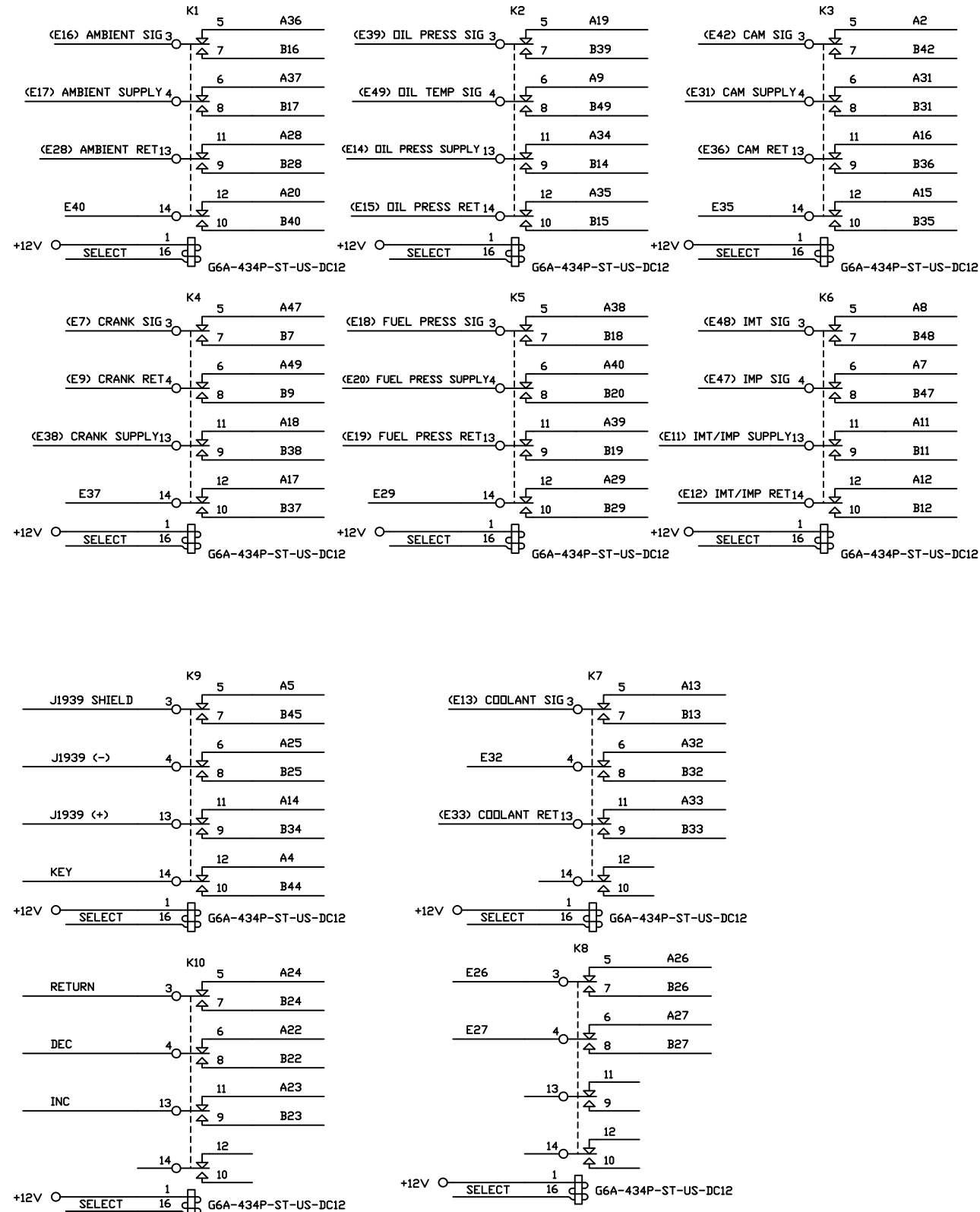
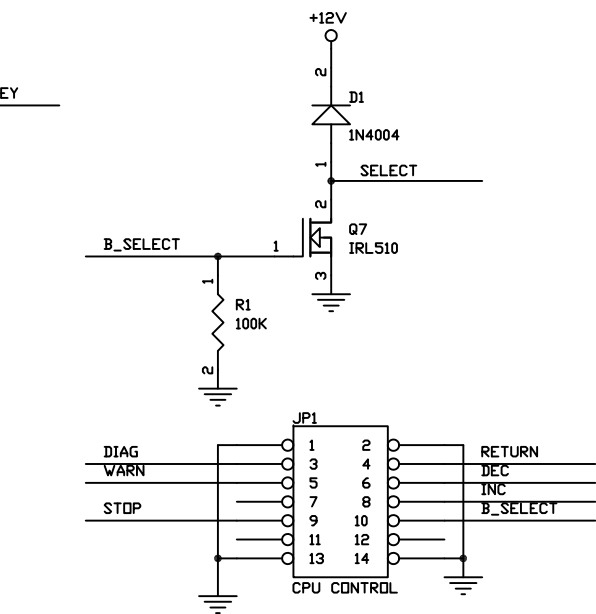
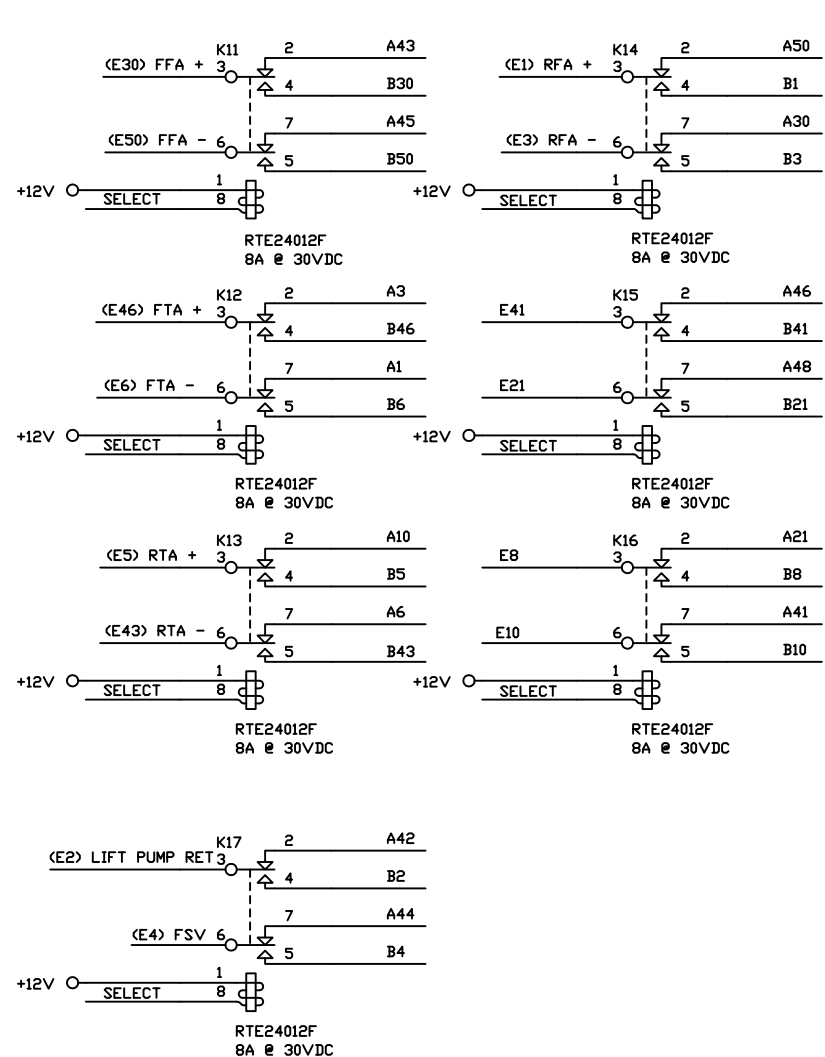
- LEGEND:**
- OSS = OVER SPEED SWITCH
  - CTS = CRANK TERMINATION SWITCH
  - MBC1 = MAIN BATTERY CONTACTOR 1
  - MBC2 = MAIN BATTERY CONTACTOR 2
  - LCT = LOW COOLANT TEMPERATURE
  - HCT = HIGH COOLANT TEMPERATURE
  - LOP = LOW OIL PRESSURE
  - FSO = FUEL SHUT OFF
  - RWS = RAW WATER SOLENOID
  - VSP = VARIABLE SPEED PRESSURE
  - DOP PRE = DIFFERENTIAL OIL PRESSURE PRE
  - DOP POST = DIFFERENTIAL OIL PRESSURE POST
  - OPS = OIL PRESSURE SENDER
  - WTS = WATER TEMPERATURE SENDER
  - MPU = MAGNETIC PICK-UP

- NOTES:**
- 1) SEE SHEET 2 FOR CFP5E ECM SWITCH SCHEMATIC
  - 2) SEE SHEET 3 FOR CFP7E ECM SWITCH SCHEMATIC
  - 3) SEE SHEET 4 FOR CFP9E ECM SWITCH SCHEMATIC
  - 4) SEE SHEET 5 FOR CFP11E ECM SWITCH SCHEMATIC
  - 5) SEE SHEET 6 FOR CFP15E ECM SWITCH SCHEMATIC

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UNLESS OTHERWISE SPECIFIED ALL DIMENSION TOLERANCES ARE: ANGULAR DIMENSIONS ± 1° THIRD ANGLE PROJECTION				DWG UNITS: INCH/LB/S SCALE: EST WEIGHT:		DRAWN BY: KAK <b>AUTO CAD</b> DATE: 14 DEC 2009 REF DRWG:	
A 2011-189 ADDED RS485 WIRES. REV ENF DESCRIPTION OF REVISION		PBS 15JUN2011 BY DATE		SCHEMATIC, FIRE PUMP DRIVERS CFP MODELS: 5E, 7E, 9E, 11E, 15E, 23E SHEET 10F6 DRAWING NO: 16260			

1	(E1) RFA +
2	(E2) LIFT PUMP RET
3	(E3) RFA -
4	(E4) FSV
5	(E5) RTA +
6	(E6) FTA -
7	(E7) CRANK SIG
8	EB
9	(E9) CRANK RET
10	E10
11	(E11) IMT/IMP SUPPLY
12	(E12) IMT/IMP RET
13	(E13) COOLANT SIG
14	(E14) OIL PRESS SUPPLY
15	(E15) OIL PRESS RET
16	(E16) AMBIENT SIG
17	(E17) AMBIENT SUPPLY
18	(E18) FUEL PRESS SIG
19	(E19) FUEL PRESS RET
20	(E20) FUEL PRESS SUPPLY
21	E21
22	
23	
24	
25	
26	E26
27	E27
28	(E28) AMBIENT RET
29	(E29) COOLANT SIG
30	(E30) FFA +
31	(E31) CAM SUPPLY
32	E32
33	(E33) COOLANT RET
34	
35	E35
36	(E36) CAM RET
37	E37
38	(E38) CRANK SUPPLY
39	(E39) OIL PRESS SIG
40	E40
41	E41
42	(E42) CAM SIG
43	(E43) RTA -
44	
45	(E46) FTA +
46	(E47) IMP SIG
47	(E48) IMT SIG
48	(E49) OIL TEMP SIG
49	(E50) FFA -
50	

ENGINE



1	FTA - (A2)
2	CAM SIG (A2)
3	FTA + (A3)
4	KEYSWITCH (A4)
5	J1939 SHIELD (A5)
6	RTA - (A6)
7	IMP SIG (A7)
8	IMT SIG (A8)
9	OIL TEMP SIG (A9)
10	RTA + (A10)
11	IMT/IMP SUPPLY (A11)
12	IMT/IMP RET (A12)
13	COOLANT SIG (A13)
14	J1939 (+) (A14)
15	A15
16	CAM RET (A16)
17	A17
18	CRANK SUPPLY (A18)
19	OIL PRESS SIG (A19)
20	A20
21	DECREMENT (A22)
22	INCREMENT (A23)
23	SWITCH RET (A24)
24	J1939 (-) (A25)
25	A25
26	A26
27	A27
28	AMBIENT RET (A28)
29	A29
30	RFA - (A30)
31	CAM SUPPLY (A31)
32	A32
33	COOLANT RET (A33)
34	OIL PRESS SUPPLY (A34)
35	OIL PRESS RET (A35)
36	AMBIENT SIG (A36)
37	AMBIENT SUPPLY (A37)
38	FUEL PRESS SIG (A38)
39	FUEL PRESS RET (A39)
40	FUEL PRESS SUPPLY (A40)
41	A41
42	LIFT PUMP RET (A42)
43	FTA + (A43)
44	FSV (A44)
45	FTA - (A45)
46	A46
47	CRANK SIG (A47)
48	A48
49	CRANK RET (A49)
50	RFA + (A50)

ECM B

ABBREVIATIONS: FFA = FRONT FUELING ACTUATOR  
 FTA = FRONT TIMING ACTUATOR  
 RTA = REAR TIMING ACTUATOR  
 RFA = REAR FUELING ACTUATOR  
 FSV = FUEL SHUTOFF VALVE  
 IMT = INTAKE MANIFOLD TEMP  
 IMP = INTAKE MANIFOLD PRESS

REV	ENF	DESCRIPTION OF REVISION	BY	DATE

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CUSTOM DESIGN AND  
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 875 LAWRENCE DRIVE  
 DEPERE, WISCONSIN

SCHEMATIC, ECM SWITCH MAPPING  
 CFP15E FIRE PUMP DRIVER

UNLESS OTHERWISE SPECIFIED ALL DIMENSION TOLERANCES ARE		DWG UNITS: INCH/LB/S	DRAWN BY: KAK	DATE: 14 DEC 2009
ANGULAR DIMENSIONS ± 1°	IMPERIAL UNITS	METRIC UNITS	<b>AUTO CAD</b>	REF DRWG:
THIRD ANGLE PROJECTION	MACHINE TOLERANCES XX = ± 0.010 XXX = ± 0.005	MACHINE TOLERANCES XX = ± 0.1 XX = ± 0.2	SCALE:	SHEET 60F6
	FORM TOLERANCES XX = ± 0.020 XXX = ± 0.015	FORM TOLERANCES XX = ± 0.1 XX = ± 0.2	EST WEIGHT:	DRAWING NO: 16260
	FAB TOLERANCES XX = ± 0.020 XXX = ± 0.030	FAB TOLERANCES XX = ± 1.2 XX = ± 1.5		