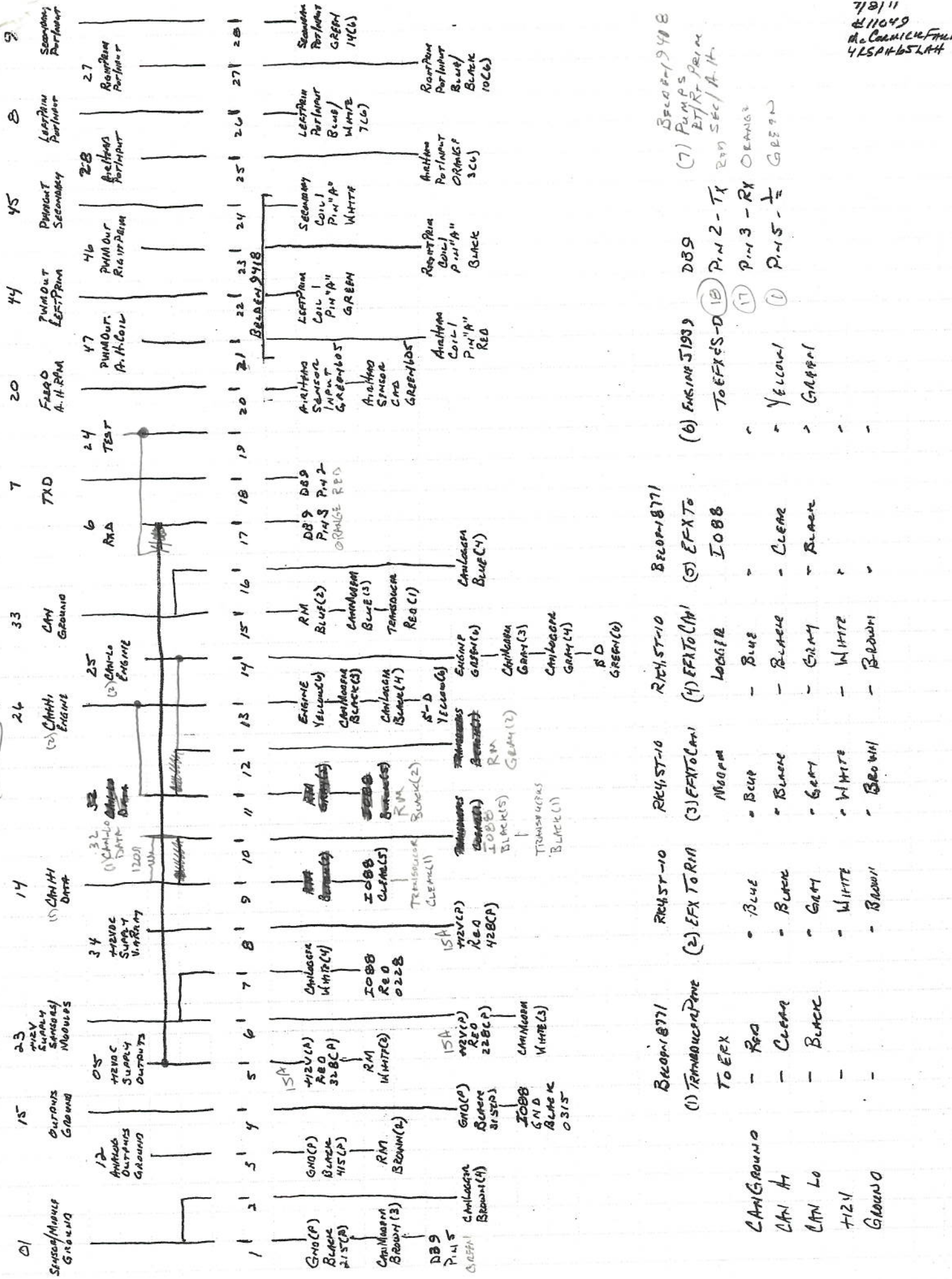


# 11049

McCormick Farms

4RS PH  $\frac{1}{2}$  65" AH

EFX 1640/10 - S-D I088



7/2/11  
 #11049  
 Mc Cormick Fuel # 3  
 4LSA-H6SLAH

BELOW 1940 E  
 (7) Pumps  
 2/RT Prime  
 200 Sec/A.H.

(6) ENGINE J1939  
 TOFFERS-D 18  
 PIN 2 - TX  
 PIN 3 - RX  
 PIN 5 - 1/2  
 GREEN

(5) EFX TO  
 I088  
 LOGIC  
 - BLUE  
 - BLACK  
 - CLEAR  
 - BLACK  
 - BROWN  
 - BROWN

(4) EFX TO CAN  
 LOGIC  
 - BLUE  
 - BLACK  
 - GRAY  
 - WHITE  
 - BROWN

(3) EFX TO RIN  
 M088M  
 - BLUE  
 - BLACK  
 - GRAY  
 - WHITE  
 - BROWN

(2) EFX TO RINE  
 M088M  
 - BLUE  
 - BLACK  
 - GRAY  
 - WHITE  
 - BROWN

(1) TRANSDUCER PINE  
 TO EFX  
 - RED  
 - CLEAR  
 - BLACK  
 -  
 -



4/4/11

Wiring		Note	
Pin	Potential	Description	Note
23	VBB (10...32 V DC)	Supply sensors and module	LOGGA-DISPLAY - Nozem - IOBB + VBAT
05	VBB (10...32 V DC)	Supply outputs	EPX To DISPLAY Relay switched (1) + VBAT
34	VBB (10...32 V DC)	Supply via relay	+ VBAT Relay switched (2) PANEL
01	GND	Ground sensors and module	LOGGA - Nozem
15	GND	Ground outputs	PANEL GROUNDING - IOBB - VBAT
12	GND	Ground analogue outputs	EPX To DISPLAY - VBAT

CAN, RS-232, ERROR, TEST		Note	
Pin	Potential	Description	Note
14	CAN1	CAN-Interface 1 (High)	EPX TO DISPLAY - TRANSDUCER TO EPX - To IOBB
32	CAN1	CAN-Interface 1 (Low)	EPX TO DISPLAY - TRANSDUCER TO EPX - To IOBB
26	CAN2	CAN-Interface 2 (High)	LOGGA - TRANSDUCER - J1939 - Nozem SAE J1939
25	CAN2	CAN-Interface 2 (Low)	LOGGA - TRANSDUCER - J1939 - Nozem SAE J1939
33	GND	Ground (RS-232/CAN)	LOGGA - DISPLAY - TRANSDUCER TO EPX - Nozem - TRANSDUCER TO EPX
06	RxD	RS-232 Interface (programming)	PROGRAMMING Pin 03, PC D-Sub (9 pin)
07	TxD	RS-232 Interface (programming)	PROGRAMMING Pin 02, PC D-Sub (9 pin)
13	ERROR	Error output BH	
24	TEST	Test input	PROGRAMMING

Inputs/Outputs		Configuration		Configuration		Diagnostic capability*		Relay switched
Pin	INPUTS			OUTPUTS		INPUT/OUTPUT		
08	%X0.00 / %NW03	B A LEFT PRIM POT	-	INPUT	-	0/-		
27	%X0.01 / %NW04	B A RIGHT PRIM POT	-	INPUT	-	0/-		
09	%X0.02 / %NW05	B A SECOND. POT	-	INPUT	-	0/-		
28	%X0.03 / %NW06	B A A.H. FRI POT	-	INPUT	-	0/-		
10	%X0.04 / %NW07	B A BOOM OUTER UP	-	INPUT	-	0/-	BLUE 111	
29	%X0.05 / %NW08	B A BOOM OUTER DOWN	-	INPUT	-	0/-	DRANGE 110	
11	%X0.06 / %NW09	B A BOOM LIFT UP	-	INPUT	-	0/-	BROWN 113	
30	%X0.07 / %NW10	B A BOOM LIFT DOWN	-	INPUT	-	0/-	WHITE 112	
44	%X0.08	B LEFT PRIM PUMP COIL	%X0.00	OUTPUT	B, PWM	PWM	-1.0	VBB, (1)
45	%X0.09	B SEC. PUMP COIL	%X0.01	OUTPUT	B, PWM	PWM	-1.0	VBB, (1)
46	%X0.10	B RIGHT PRIM PUMP COIL	%X0.02	OUTPUT	B, PWM	PWM	-1.0	VBB, (1)
47	%X0.11	B A.H. FRI PUMP COIL	%X0.03	OUTPUT	B, PWM	PWM	-1.0	VBB, (1)
20	%X0.12	B A.H. FRI RPM SENSOR	(FR0)-	INPUT	-	0/-		
02	%X0.13	B IS-D MANIPUL. GRO. DOWN	(FR0 1)-	INPUT	-	0/-	H/L0 SIGNAL	S-D # 32
21	%X0.14	B BOOM SWING OUT	(FR0 2)-	INPUT	-	0/-		
38	%X0.15	B BOOM SWING IN	(FR0 3)-	INPUT	-	0/-		
36	%X1.00	B TRAFFIC SWITCH	%X0.04	INPUT	B, PWM	PWM	-1.0	VBB, (2)
64	%X1.01	B BIN MANURE UP	%X0.05	INPUT	B, PWM	PWM	-1.0	VBB, (2)
17	%X1.02	B BIN MANURE DOWN	%X0.06	INPUT	B, PWM	PWM	-1.0	VBB, (2)
53	%X1.03	B BLEED MANURE UP	%X0.07	INPUT	B, PWM	PWM	-1.0	VBB, (2)
19	%X1.04	B BLEED MANURE DOWN	(CYL 0)-	INPUT	-	0/-		
55	%X1.05	B IS-D FRESH GARDEN FLOW.	(CYL 1)-	INPUT	-	0/-	S-D # 30	
18	%X1.06	B IS-D FRESH GARD. SPEED	(CYL 2)-	INPUT	-	0/-	S-D # 18	
37	%X1.07	B BIN LOW AUTO	(CYL 3)-	INPUT	-	0/-		
39	%X1.08	B LEFT BLADE DOWN	%X0.08	INPUT	B <sub>1</sub>		0.0	VBB, (1)
03	%X1.09	B LEFT BLADE UP	%X0.09	INPUT	B <sub>1</sub>		0.0	VBB, (1)
40	%X1.10	B RIGHT BLADE UP	%X0.10	INPUT	B <sub>1</sub>		0.0	VBB, (1)
22	%X1.11	B RIGHT BLADE DOWN	%X0.11	INPUT	B <sub>1</sub>		0.0	VBB, (1)
41	%X1.12	B BLEED MANURE	%X0.12	OUTPUT	B <sub>1</sub>		0.0	VBB, (1)
42	%X1.13	B BLEED MASTER	%X0.13	OUTPUT	B <sub>1</sub>		0.0	VBB, (1)
43	%X1.14	B BOOM LIFT MMS	%X0.14	OUTPUT	B <sub>1</sub>		0.0	VBB, (1)
04	%X1.15	B BOOM LIFT MVS	%X0.15	OUTPUT	B <sub>1</sub>		0.0	VBB, (1)
48	%X2.00	B BOOM SWING MVS	%X1.00	OUTPUT	B, PWM		0.0	VBB, (2)
49	%X2.01	B BOOM SWING MVS	%X1.01	OUTPUT	B <sub>1</sub>	H-Bridge	0.0	VBB, (2)
31	%X2.02	B BOOM OUTER MVS	%X1.02	OUTPUT	B <sub>1</sub>	H-Bridge	0.0	VBB, (2)
50	%X2.03	B BOOM OUTER MVS	%X1.03	OUTPUT	B, PWM		0.0	VBB, (2)
51	%X2.04	B LEFT BLADE MVS	%X1.04	OUTPUT	B, PWM		0.0	VBB, (2)
52	%X2.05	B LEFT BLADE MVS	%X1.05	OUTPUT	B <sub>1</sub>	H-Bridge	0.0	VBB, (2)
16	%X2.06	B RIGHT BLADE MVS	%X1.06	OUTPUT	B <sub>1</sub>	H-Bridge	0.0	VBB, (2)
35	%X2.07	B RIGHT BLADE MVS	%X1.07	OUTPUT	B, PWM		0.0	VBB, (2)

Note the double pin connection of inputs/outputs.

\*only positive sensor signals with diagnostic capability



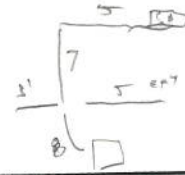
ADVANCED FARM EQUIPMENT

SMART DRIVE EASY

4/8/11

#11049

MC CORMICK FARMS  
4RSPH65LAH



PLUG #1

PIN #					BREAK AT PUMP
1	BLACK	6	PWM 1 (-) TO PUMP COILS "MY" PIN 2		PIN 1
2	BLACK	16	PWM 2 (+) TO PUMPCOILS "MZ" PIN 1		PIN 2
3	BLACK	19	PWM 2 (-) TO PUMP COILS "MZ" PIN 2		PIN 3
4	BLACK	30	PWM 1 (+) TO PUMP COILS "MY" PIN 1		PIN 4
5	BLACK	7	+5V OUT TO TRANSDUCER PIN"B" POWER SUPPLY	TRANS.	BROWN
6	BALCK	15	-GND TO TRANSDUCER PIN "A" GROUND	TRANS.	BLUE
7	BLACK	37	ANIN 4 TO TRANSDUCER PIN "C" INPUT SIGNAL	TRANS.	BLACK
8	BLACK	8	+12V OUT TO POCLAIN SENSOR "BROWN"		BROWN
9	BLACK	10	FIN 2 DIF1 T POCLAIN SENSOR -"SIGNAL" - BLACK		BLACK
10	BLACK	15	GND TO POCLAIN SENSOR - "GROUND" - BLUE		BLUE
11	BLACK	12	CAN-LO ENGINE J1939 - GREEN FROM EFX 1640 #25	Cable #2	GREEN
12	BLACK	13	CAN-HI ENGINE J1939 - YELLOW FROM EFX 1640 #26	Cable #2	YELLOW

PLUG #2

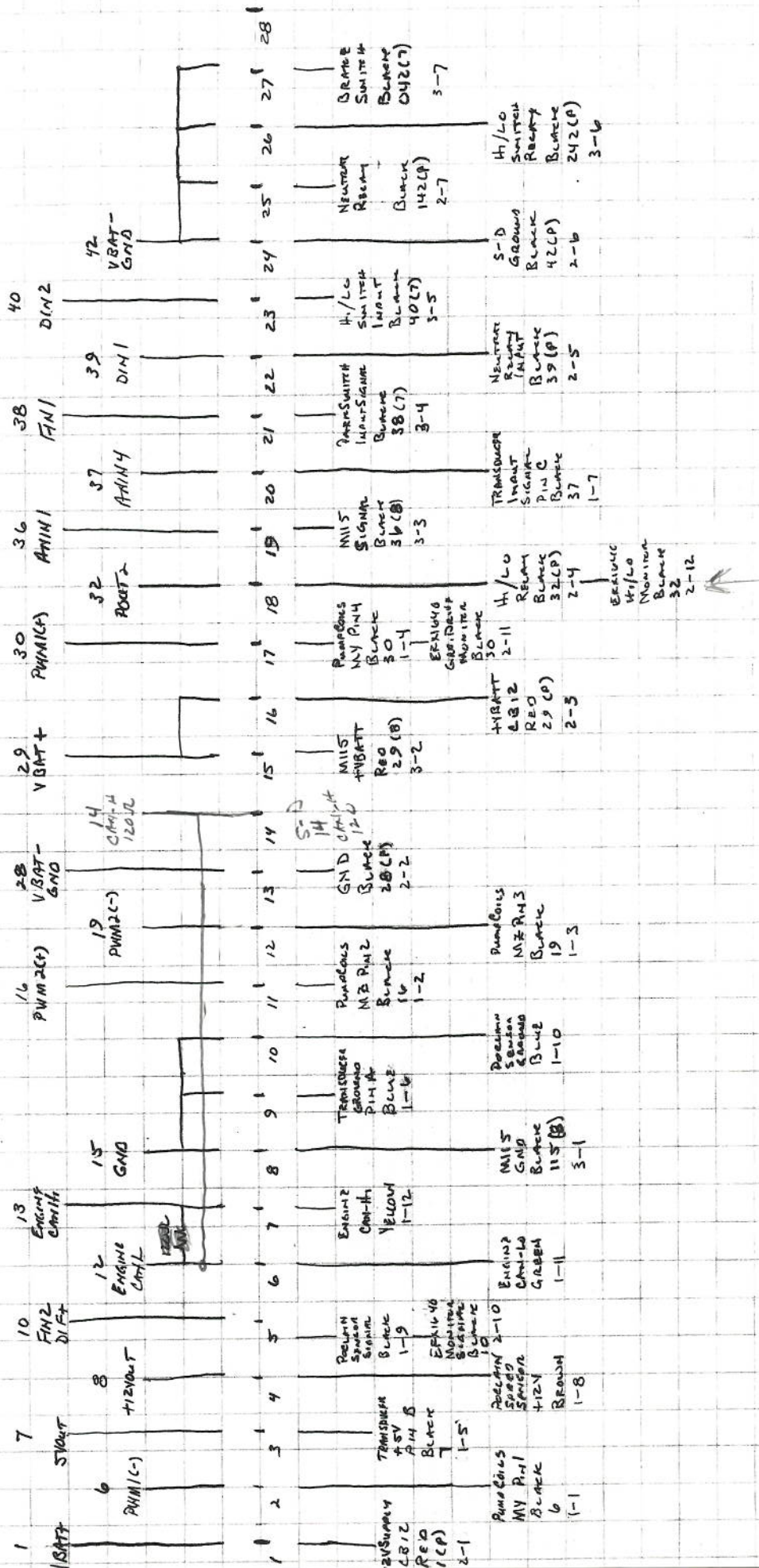
PIN #					
1	RED	1	VBAT+ - 12V POWER SUPPLY - CB1		P
2	BLACK	28	VBAT - GND - GROUND TO PANEL		P
3	RED	29	VBAT+ - 12V POWER SUPPLY - CB1		P
4	BLACK	32	POUT2 - HI / LO RELAY		P
5	BLACK	39	DIN1 - NEUTRAL RELAY INPUT		P
6	BLACK	42	VBAT- GND - GROUND IN PANEL		P
7	BLACK	142	VBAT-GND - <del>GROUND</del> RELAY IN PANEL		P
8					
9					
10	BLACK	10	FIN2-DIF+ - POCLAIN SPEED SENSOR TO EFX 1640 - 18		6 (8) (7) EFX
11	BLACK	30	PWM1 (+) GROUND DRIVE PUMP SIGNAL MONITOR TO EFX -55		7 (8) (7) EFX
12	BLACK	32	POUT2 -HI / LO MONITOR TO EFX - 02		5 (8) (7) EFX

PLUG #3

PIN #					
1	BLACK	115	GND - M115 GROUND	20ft Beacon 8771	Clear 3 (8) Cab
2	RED	(129) 29	VBAT+ - M115 POWER	Beacon 8771	Red 2 (8) Cab
3	BLACK	36	ANIN1 - M115 SIGNAL	Beacon 8771	Beacon 1 (8) Cab
4	BLACK	38	FIN1 - PARK SWITCH INPUT		4 (8) (7) Cab
5	BLACK	40	DIN2 - HI / LO SWITCH INPUT		2 (8) (7) Cab
6	BLACK	242	VBAT-GND - HI / LO SWITCH		3 (8) (7) Cab
7	BLACK	042	VBAT-GND - BRAKE SWITCH		5 (8) (7) Cab
8					
9					
10					
11					
12					

4/9/11  
 211649  
 McBRINICK FOUND  
 415046564M

SD



- Ground Drive Transducer**
- 1 - 15MHT
  - 2 - 21SUPPLY
  - 3 - TRANSDUCER
  - 4 - 4V DIM 8
  - 5 - TRANSDUCER
  - 6 - 6V DIM 8
  - 7 - 7V DIM 8
  - 8 - 8V DIM 8
  - 9 - 9V DIM 8
  - 10 - 10V DIM 8
  - 11 - 11V DIM 8
  - 12 - 12V DIM 8
  - 13 - 13V DIM 8
  - 14 - 14V DIM 8
  - 15 - 15V DIM 8
  - 16 - 16V DIM 8
  - 17 - 17V DIM 8
  - 18 - 18V DIM 8
  - 19 - 19V DIM 8
  - 20 - 20V DIM 8
  - 21 - 21V DIM 8
  - 22 - 22V DIM 8
  - 23 - 23V DIM 8
  - 24 - 24V DIM 8
  - 25 - 25V DIM 8
  - 26 - 26V DIM 8
  - 27 - 27V DIM 8
  - 28 - 28V DIM 8
- Pocatin Suspension**
- 1 - 12NDE
  - 2 - Not Used
  - 3 - GROUND
  - 4 - SIGNAL
- SEASON**
- A - GROUND -15
  - B - 5Vcc -7
  - C - SIGNAL -37

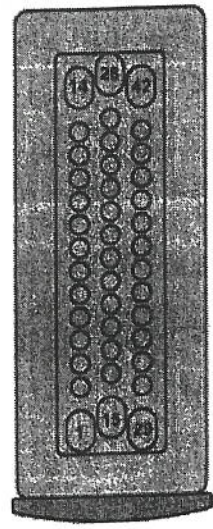




**Description of pins**

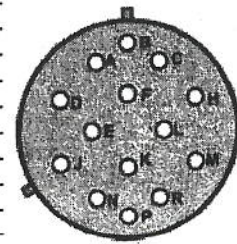
Number each wire using numbered plastic rings. Each cable must be securely fixed to the machine with clips placed every 20 cm. Sections are given (for information only) in mm<sup>2</sup> for a 10 meter length at an operating temperature of < 80 °C [176 °F].

PIN	J1	Function	Wire section mm <sup>2</sup>	
+12VDC	(1) —	VBAT+	Battery power (+)	1.5 to 2.5
	2	NC	Not connected	
	3	NC	Not connected	
	4	POUT1	Digital output 1	0.5 to 1
	5	POUT4	Digital output 4	0.5 to 1
FOR PUMPS	(6) —	PWM1(-) 2A	PWM1 terminal (-) in case of 2A command	0.5 to 1
TRANSOCEAN	(7) —	5 V OUT	5V sensors power supply	0.5 to 1
POCLAIN	(8) —	12V OUT	12V sensors power supply	0.5 to 1
	9	ANIN3	Analog input 3	0.5 to 1
POCLAIN/EPK	(10) —	FIN2_DIF+	Differential frequency input 2 (+)	0.5 to 1
	11	DIN5	Digital input 5	0.5 to 1
	12	CANL (Green)	Low CAN signal	0.5 to 1
ENGALP	(13) —	CANH (Yellow)	High CAN signal	0.5 to 1
ENGALP	(14) —	CANH_120	Connexion for CAN bus end 120 U	0.5 to 1
HYDRAULIC/TRANSOCEAN/POCLAIN	(15) X3 —	ANA GND	Analog input ground	1.5 to 2.5
RET PUMPS	(16) —	PWM2(+)	PWM2 (+) terminal	0.5 to 1
	17	PWM4(+)	PWM4 (+) terminal	0.5 to 1
	18	POUT3	Digital output 3	0.5 to 1
RET PUMPS	(19) —	PWM2(-) 2A	PWM2 terminal (-) in case of 2A command	0.5 to 1
	20	PWM2(-) 120mA	PWM2 terminal (-) in case of 120 mA command	0.5 to 1
	21	PWM4(-)	PWM4 (-) terminal	0.5 to 1
	22	ANIN2	Analog input 2	0.5 to 1
	23	ANIN5	Analog input 5	0.5 to 1
	24	FIN2_DIF-	Differential frequency input 2 (-)	0.5 to 1
	25	DIN4	Digital input 4	0.5 to 1
	(26)	RX232	Receive signal (serial link)	0.5 to 1
	(27)	TX232	Transmit signal (serial link)	0.5 to 1
	(28)	VBAT- (GND)	Battery power (-) (ground)	1.5 to 2.5
+12VDC/B-D	(29) —	VBAT+	Battery power supply (+)	1.5 to 2.5
PUMPS/EPK/40	(30) —	PWM1(+)	PWM1 (+) terminal	0.5 to 1
	31	PWM3(+)	PWM3 (+) terminal	0.5 to 1
	(32) —	POUT2	Digital output 2	0.5 to 1
H/L/LO RELAY/EPK/40	33	5 V OUT	5V sensors power supply	0.5 to 1
	34	PWM1(-) 120mA	PWM1 terminal (-) in case of 120 mA command	0.5 to 1
	35	PWM3(-)	PWM3 (-) terminal	0.5 to 1
HYDRAULIC/TRANSOCEAN	(36) —	ANIN1	Analog input 1	0.5 to 1
	(37) —	ANIN4	Analog input 4	0.5 to 1
PAUSE SWITCH	(38) —	FIN1	Frequency input 1	0.5 to 1
NEUMATIC RELAY	(39) —	DIN1	Digital input 1	0.5 to 1
H/L/LO SWITCH	(40) —	DIN2	Digital input 2	0.5 to 1
	41	DIN3	Digital input 3	0.5 to 1
NEUMATIC RELAY & H/L/LO SWITCH/PAUSE SWITCH	(42) X4 —	VBAT- (GND)	Battery power (-) (ground)	1.5 to 2.5



**Communication cable**

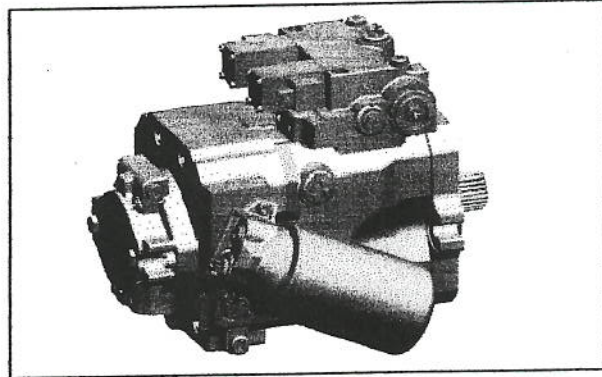
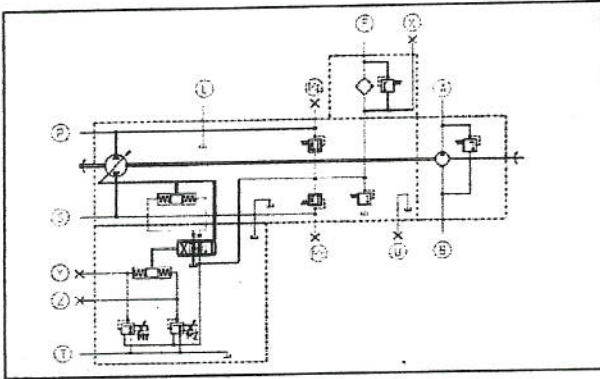
PIN	J1	Function	Wire section mm <sup>2</sup>
A	5V OUT	5V sensors power supply	0.22
B	NC	Not connected	
C	NC	Not connected	
D	NC	Not connected	
E	CANL	Low CAN signal	0.22
F	CANL	Low CAN signal	0.22
H	RxRS232	Receive signal (serial link)	0.22
J	NC	Not connected	
K	CANH_120	Connexion for CAN bus end 120 U	0.22
L	TxRS232	Transmit signal (serial link)	0.22
M	CANH	High CAN signal	0.22
N	CANH	High CAN signal	0.22
P	GND	ground	0.22
R	GND	ground	0.22



## Controls. Electro-hydraulic E1

The HPV-02 E1 has two proportional solenoids and through the upstream signal circuit it combines the flexibility of electronic vehicle management with the reliability of a pump control marked by its high operational availability. Precise and simple. Identical commands always call for the same response in the machine, so no corrective action is required by the operator or the electronic system.

### E1. Electro-hydraulic control



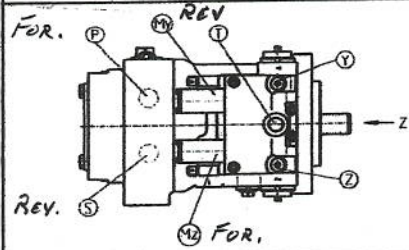
### Flow direction

By an external electrical signal input at the solenoids (MY and MZ) the pump flow rate and direction of flow are controlled. The flow direction of the fluid depends on

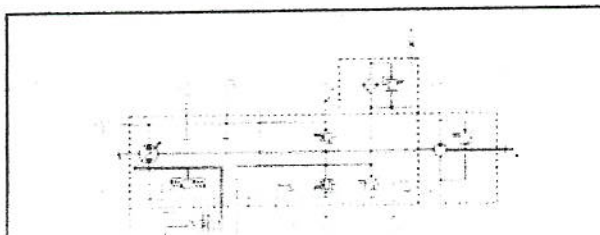
- >> the pump direction of rotation
- >> the over centre direction of the swash plate.

### High pressure outlet port

Active solenoid	Shaft rotation (view on Z)	
	Right hand	Left hand
MY	P	S
MZ	S	P



### E1P. Electro-hydraulic control with PCO



- P, S High pressure ports
- A Pressure port, boost pump
- B Suction port, boost pump
- F Feed port, boost and control
- X Test port, pilot pressure
- Ms, Mp Test ports, high pressure
- L, U Drain ports
- T Vent port



#11049

## MC CORMICK FARMS

4/7/11

EFX 1640

4RSPH 65"LAH

## PLUG #1

PIN #	EFX Wire	JUNC. BLK.			
1	33	16	BLUE	CAN LOGGER - CAN GROUND	RK4.5T-10 (4)
2	26	13	BLACK	CAN LOGGER - CAN HI	RK4.5T-10 (4)
3	25	14	GRAY	CAN LOGGER - CAN LO	RK4.5T-10 (4)
4	23	7	WHITE	CAN LOGGER - +12V DC	RK4.5T-10 (4)
5	61	2	BROWN	CAN LOGGER - GROUND	
6					
7					
8					
9					
10					
11	24	13	YELLOW	ENGINE CAN - CAN HI - FROM ENGINE DISPLAY IN CAB	(6) -1
12	25	14	GREEN	ENGINE CAN - CAN LO - FROM ENGINE DISPLAY IN CAB	(6) -1

## PLUG #2

PIN #1					
1	33	15	BLUE	EFX TO RM DISPLAY - CAN GROUND	RK4.5T-10 (2)
2	<del>26</del> 11	<del>13</del> 11	BLACK	EFX TO RM DISPLAY - CAN HI	RK4.5T-10 (2)
3	<del>25</del> 12	<del>14</del> 12	GRAY	EFX TO RM DISPLAY - CAN LO	RK4.5T-10 (2)
4	5	5	WHITE	EFX TO RM DISPLAY - +12V DC	RK4.5T-10 (2)
5	12	3	BROWN	EFX TO RM DISPLAY - GROUND	RK4.5T-10 (2)
6	33	15	BLUE	CAN MODEM - CAN GROUND	RK4.5T-10 (3)
7	26	13	BLACK	CAN MODEM - CAN HI	RK4.5T-10 (3)
8	25	14	GRAY	CAN MODEM - CAN LO	RK4.5T-10 (3)
9	23	6	WHITE	CAN MODEM - +12V DC	RK4.5T-10 (3)
10	61	1	BROWN	CAN MODEM - GROUND	RK4.5T-10 (3)
11	61	1	BLACK 215	EFX - SENSOR / MODEM GROUND	P (8)
12	12	3	BLACK 415	EFX -ANALOG OUTPUTS GROUND	P (12)

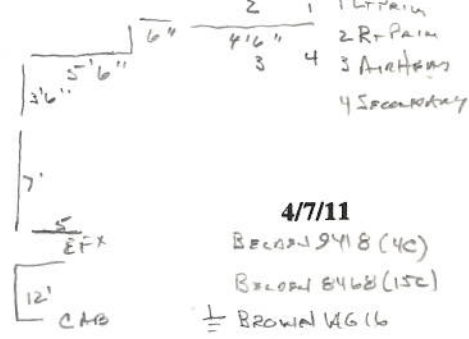
## PLUG #3

PIN #1					
1	33	15	RED	TRANSDUCER PANEL TO EFX - CAN GROUND	BELDEN 8771 (1)
2	14	<del>10</del> 9	CLEAR	TRANSDUCER PANEL TO EFX - CAN HI	BELDEN 8771 (1)
3	32	<del>10</del> 10	BLACK	TRANSDUCER PANEL TO EFX - CAN LO	BELDEN 8771 (1)
4	15	4	BLACK 315	EFX - OUTPUTS GROUND	P (10)
5	05	5	RED 328	EFX - +12V DC SUPPLY OUTPUTS	P (9)
6	23	6	RED 228	EFX - +12V DC SUPPLY SENSORS / MODULES	P (7)
7	34	8	RED 428	EFX - +12V DC SUPPLY VIA RELAY	P (11)
8					
9	14	9	CLEAR	CAN-HI TO I088'S	BELDEN 8771 (5)
10	32	10	BLACK	CAN-LO TO I088'S	BELDEN 8771 (5)
11	26	13	YELLOW	CAN-HI TO S-D EASY	(6) -2
12	25	14	GREEN	CAN-LO TO S-D EASY	(6) -2



#11049

MC CORMICK FARMS  
EFX 1640  
4RSPH 65"LAH



PLUG #4

PIN #	EFX Wire	JUNC. BLK.			
1	20	20	GREEN 605	AIR HEAD RPM SENSOR	
2	20	20	GREEN 605	AIR HEAD RPM SENSOR	15 (4)
3	47	21	RED	AIR HEAD COIL 1 PIN "A"	#7 BELDEN 9418 26 FT
4	44	22	GREEN	LEFT PRIMARY COIL PIN "A"	#7 BELDEN 9418
5	46	23	BLACK	RIGHT PRIMARY COIL 1 PIN "A"	#7 BELDEN 9418
6	45	24	WHITE	SECONDARY COIL 1 PIN "A"	#7 BELDEN 9418
7	28	25	ORANGE	AIRHEAD POT WIPER	3 (6) Belden 8468
8	2	26	BLUE/WHITE	LEFT PRIMARY POT WIPER	7 (6) 12 FT
9	27	27	BLUE/BLACK	RIGHT PRIMARY POT WIPER	10 (6)
10	9	28	GREEN	SECONDARY POT WIPER	14 (6)
11					
12					

PLUG #5 EFX WIRE EFX 1640 TO MV5 VALVES

PIN #1	41	BLACK	0119	BLADE MASTER UP
2	42	RED	0118	BLADE MASTER DOWN
3	43	BROWN	0113	BOOM LIFT UP
4	4	WHITE	0112	BOOM LIFT DOWN
5	48	GREEN	0115	BOOM SWING OUT
6	49	PURPLE	0114	BOOM SWING IN
7	31	BLUE	0111	BOOM OUTER UP
8	50	ORANGE	0110	BOOM OUTER DOWN
9	51	BLUE	030	LEFT BLADE UP
10	52	ORANGE	029	LEFT BLADE DOWN
11	16	BROWN	037	RIGHT BLADE UP
12	35	WHITE	0356	RIGHT BLADE DOWN

PLUG #6 CAB TO EFX 1640

PIN #1	53	BLACK	119	BLADE MASTER UP	10 (4)
2	19	RED	118	BLADE MASTER DOWN	8 (4)
3	11	BROWN	113	BOOM LIFT UP	5 (4)
4	30	WHITE	112	BOOM LIFT DOWN	4 (4)
5	21	GREEN	115	BOOM SWING OUT	7 (4)
6	38	PURPLE	114	BOOM SWING IN	6 (4)
7	10	BLUE	111	BOON OUTER UP	3 (4)
8	29	ORANGE	110	BOOM OUTER DOWN	2 (4)
9	39	ORANGE	29	LEFT BLADE DOWN	10 (4)
10	3	BLUE	30	LEFT BLADE UP	11 (4)
11	40	BROWN	37	RIGHT BLADE UP	13 (4)
12	22	WHITE	35	RIGHT BLADE DOWN	12 (4)

#11049

MC CORMICK FARMS  
EFX 1640  
4RSPH 65"LAH

4/7/11

PLUG #7 EFX

PIN # WIRE JUNC. BLK.

PIN #	WIRE	JUNC. BLK.	DESCRIPTION
1	36		WHITE 41 TRAVEL SWITCH INPUT SIGNAL FROM CAB
2	37		RED 75 BIN LEVEL AUTO INPUT SIGNAL FROM CAB
3	54		ORANGE 72 BIN MANUAL UP INPUT FROM CAB
4	17		BLUE 71 BIN MANUAL DOWN INPUT FROM CAB
5	2		BLACK 32 GROUND DRIVE HI / LO MONITOR FROM S-D EASY
6	18		BLACK 10 GROUND DRIVE SPEED INPUT FROM S-D EASY
7	55		BLACK 30 GROUND DRIVE PUMP FORWARD SIGNAL FROM S-D EASY
8			
9			
10			
11	23	7	RED 0228 +VBAT - 12VDC SUPPLY FROM EFX TO I088
12	15	4	BLACK 0315 -VBAT - GND FROM EFX TO I088