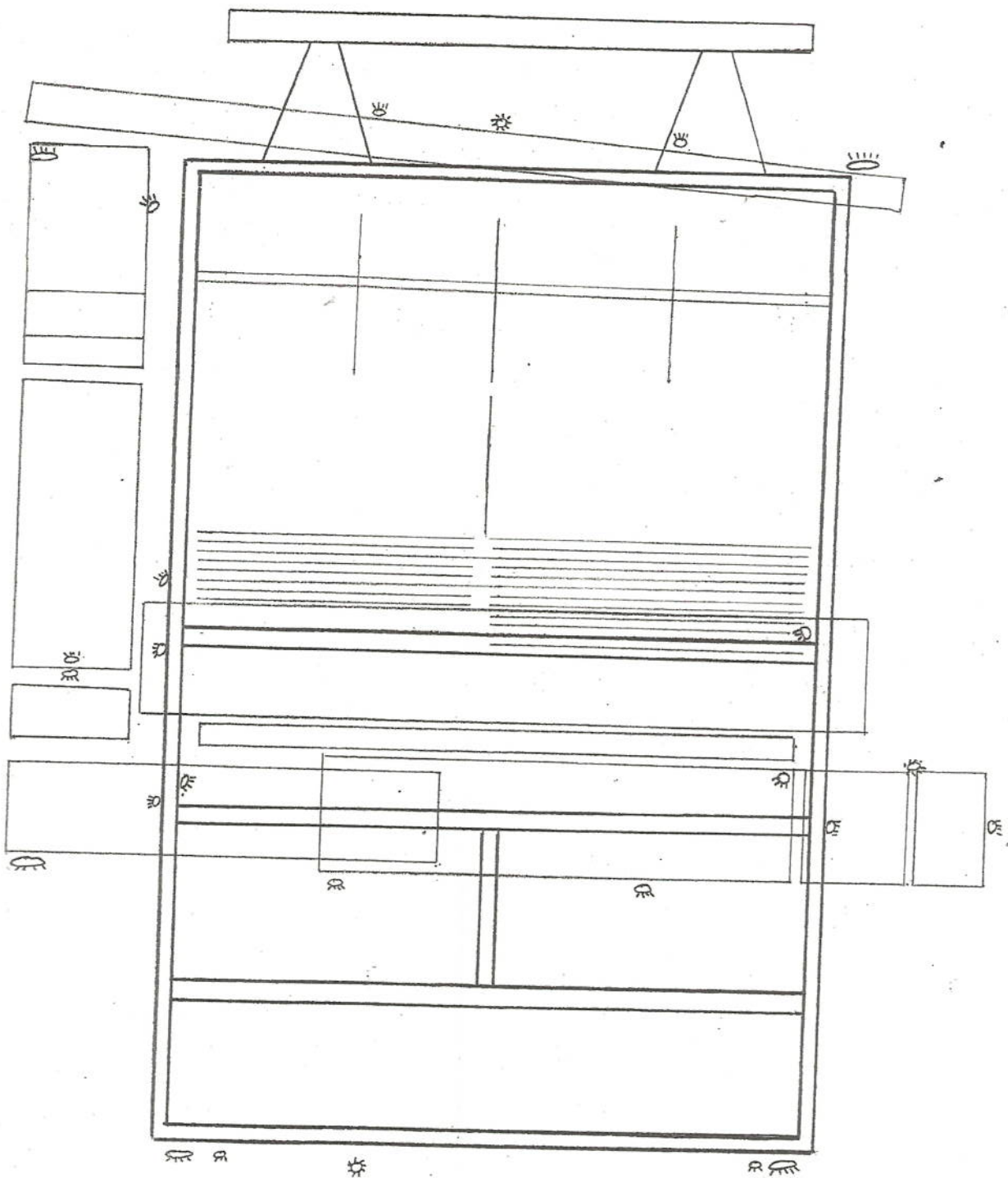


#19097

Main Farms

4 RSPH W/65" AH



Marin

Detail List

Part#	Description	Qty
100037	3/8" Steel Line Clamp XXXX	
100050	1/2" Steel Line Clamp XXXXXXXXXX	
100062	5/8" Steel Line Clamp XXXXXX	
100087	7/8" Steel Line Clamp XXXXXXXXXX	
100100	1" Steel Line Clamp XXXXX	
100125	1 1/4" Steel Line Clamp	
100150	1 1/2" Steel Line Clamp	
100200	2" Steel Line Clamp	
100225	2 1/4" Steel Line Clamp	
100250	2 1/2" Steel Line Clamp	
ABAX1000-06	Straight Tube Adapter to JIC Male #6	
ABAX1000-08	Straight Tube Adapter to JIC Male #8	
ABAX1000-10	Straight Tube Adapter to JIC Male #10	
ABAX1000-14-12	Strght Tube Adptr to JIC Male #14-12	
ABAX1000-16	Straight Tube Adapter to JIC Male #16	
BA19-06	3/8" Replacement Sleeve	
BA19-08	1/2" Replacement Sleeve	
BA19-10	5/8" Replacement Sleeve	
BA19-14	7/8" Replacement Sleeve	
BA19-16	1" Replacement Sleeve	
BAX1100 06	3/8" NPT Female x 3/8" Tube	
BAX1100 08	1/2" NPT Female x 5/8" Tube	
BAX1100 10	1/2" NPT Female x 5/8" Tube	
BAX1100 14	3/4" NPT Female x 7/8" Tube	
BAX1200 06	3/8" Tube Union	
BAX1200 08	1/2" Tube Union	
BAX1200 10	5/8" Tube Union	
BAX1200 14	7/8" Tube Union	
BAX1200 16	1" Tube Union	
BAX3100 06	3/8" NPT x 3/8" Tube Tee	
BAX3100 08	1/2" NPT x 1/2" Tube Tee	
BAX3100 10	1/2" NPT x 5/8" Tube Tee	
BAX3100 14	3/4" NPT x 7/8" Tube Tee	
BAX3100 16	1" NPT x 1" Tube Tee	
BAX3200 08	1/2" Tube Tee	
BAX3200 14	7/8" Tube Tee	
BAX3200 16	1" Tube Tee	

35

Z:\vol1\Lynn\AFE Employee Files\Pat T\Steel Line Conduit Hydrator\ List.xls

Item	Material	Quantity	Unit	Price	Total
HYDTB06	3/8" Steel	100	lb	2.40	240.00
HYDTB08	1/2" Steel	240	lb	2.40	576.00
HYDTB10	5/8" Steel	240	lb	2.40	576.00
HYDTB14	7/8" Steel	100	lb	2.40	240.00
HYDTB16	1" Steel	240	lb	2.40	576.00
113120	Hydra-zorb	120	lb	2.40	288.00
113120-2.4	Hydr-zrb	120	lb	2.40	288.00
EMT050	1/2" Conduit	18"	ft	2.40	43.20
EMT075	3/4" Conduit	18"	ft	2.40	43.20
EMT100	1" Conduit	18"	ft	2.40	43.20

Detail Dept Fittings List

Main

Part #	Description	New #	Quantity
840FS-06	JIC Tube Sleeve	319-06	20
840FS-08	JIC Tube Sleeve	319-08	20
840FS-10	JIC Tube Sleeve	319-10	8
840FS-14	JIC Tube Sleeve	319-14	8, 8, 11
840FS-16	JIC Tube Sleeve	319-16	11
841FS-06	JIC Tube Nut	318-06	20
841FS-08	JIC Tube Nut	318-08	20
841FS-10	JIC Tube Nut	318-10	8, 11
841FS-14	JIC Tube Nut	318-14	8, 8, 11
841FS-16	JIC Tube Nut	318-16	11
842FS-06	Male JIC x Male JIC	2403-06	20
842FS-08	Male JIC x Male JIC	2403-08	20
842FS-10-08	Male JIC x Male JIC	2403-10-08	8, 11
842FS-14	Male JIC x Male JIC	2403-14	11
842FS-14-12	Male JIC x Male JIC	2403-14-12	8, 8, 11
842FS-16	Male JIC x Male JIC	2403-16	11
842FS-16-12	Male JIC x Male JIC	2403-16-12	11
844FS-06	Male JIC Tee	2603-06	11
844FS-08	Male JIC Tee	2603-08	11
844FS-08-08-06	Male JIC Tee	2603-08-08-06	11
844FS-14	Male JIC Tee	2603-14	11
844FS-16-16-16	Male JIC Tee	2603-16-16-16	11
883FS-12-16	Female JIC x Male JIC Rdc	2406-12-16	
883FS-14-12	Female JIC x Male JIC Rdc	2406-14-12	

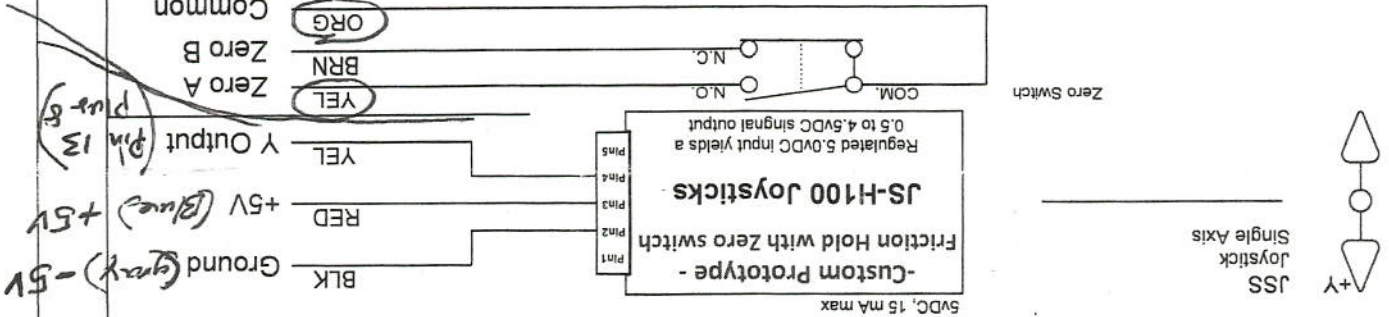
APE Parts Dept Requisition Sheet

Requested By	Today's Date
Project / Main Harvester	Date Needed

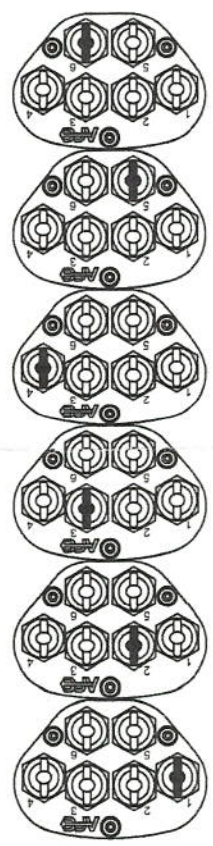
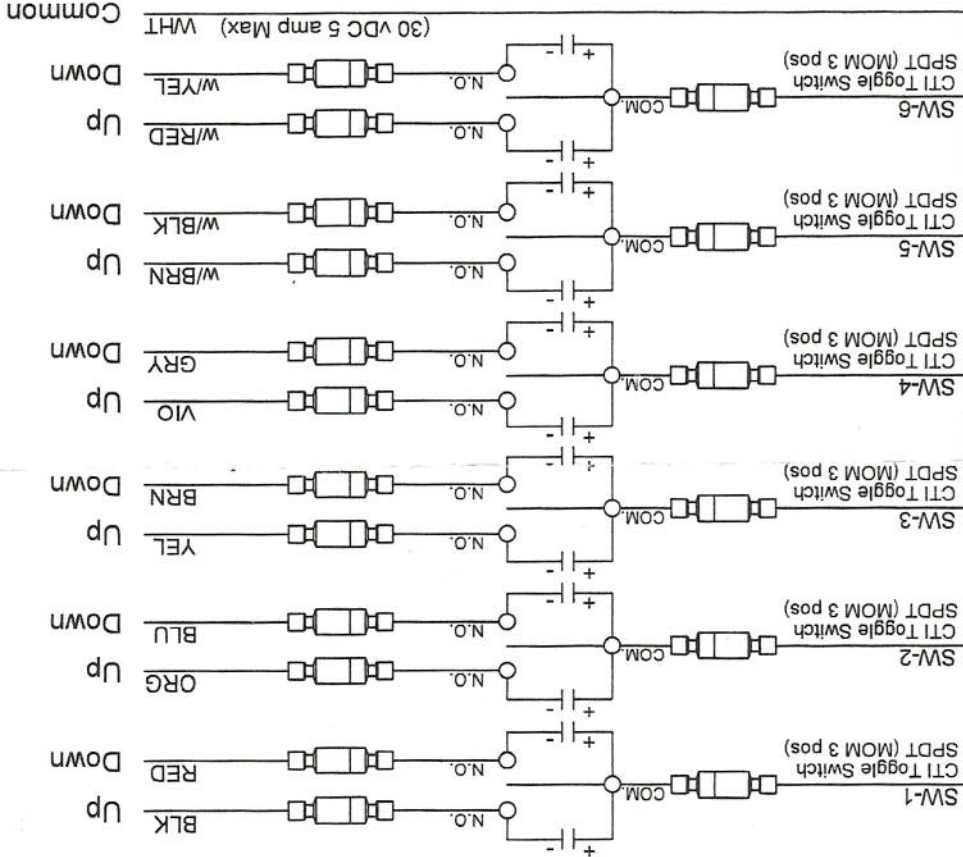
Qty	Part #	Description
0.50, 100	014-30060	Wire holder
11	019-30009	
11	014-30000	Light BRACKET
2	014-30003	Stroke
11	019-30077	Walloil Reversing Valve
11	019-30028	Oil Reversing Valve
2	019-30009	BARS 112
1	019-30029	Clutch Valve
1	019-30110	
2	022-30009	H:q1 Pressure Relief Valve
1	014-30080	Beeper
1	014-30061	
2	019-30082	
1	019-30083	
1	019-30004	150 Mount
2	019-30048	
2	019-30069	
1	019-30045	
1	019-30012	
1	019-30109	
1	019-30024	

www.cyber-tech.net		SCALE 1:1	D DOWERS	SHEET	1 OF 1
1.800.621.8754		SIZE	FSCM NO. 503-620-8580	DWG NO. CTI-2023963	REV
P.O Box 23801 Portland, Or 97281-3801		SCHEMATIC DIAGRAM			
Cyber-Tech, Inc.		(6 Toggle Switches)/(Single Axis Friction Hold, w/Zero SW)			
8901 Handy-Grip / JS-H100		Custom, Prototype			

Note: Improper installation, shorting the sensor output to ground/supply and or pulling over 20mA will void warranty
 -Output at maximum negative Y displacement: 8% +/- 4% of supply voltage, -Output at maximum positive Y displacement: 92% +/- 4% of supply voltage
 -Output at null (handle center): 50% +/- 2% of supply voltage



CAUTION: Metal Handle MUST Be Grounded For Safe Operation!
 5VDC, 15 mA max



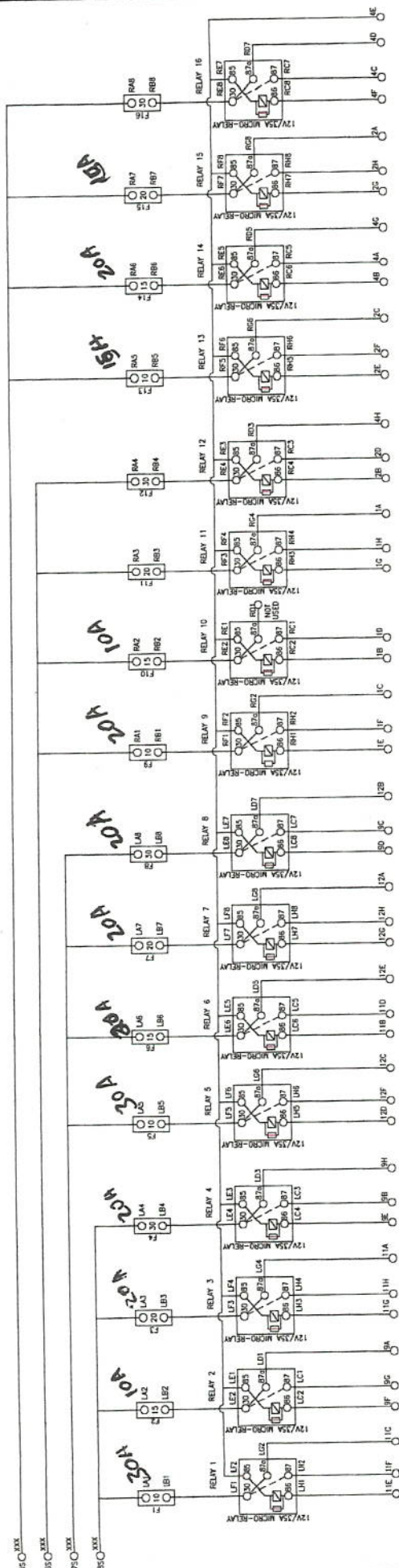
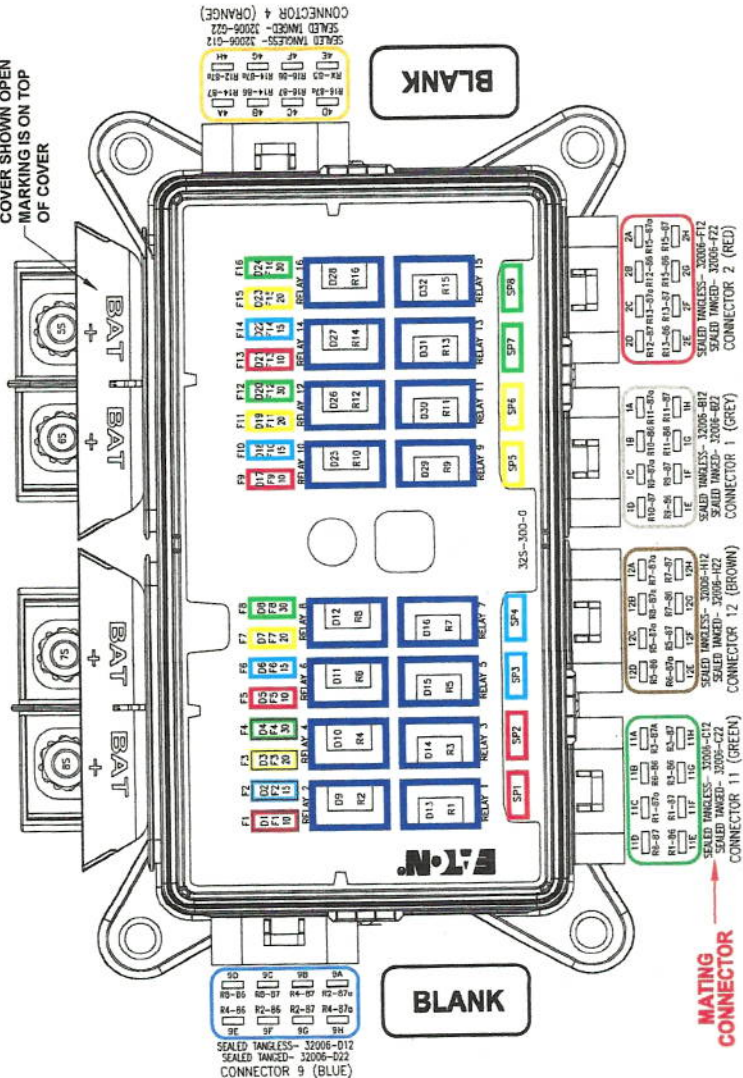
Note: 1-Cyber-Tech, Inc. Proposed Handy-Grip® wiring to be APPROVED by the customer prior to manufacture and installation for operator use.

REVISIONS	ZONE	REV	DESCRIPTION	DATE	APPROVED

Main 2019

SPECIFICATIONS:

1. RATING (MAXIMUM RATING):
 - 400A CAPACITY
 - MOUNTING: 300 IN.-LBS (25 FT.-LBS)
 - OPERATING TEMPERATURE: 40°F (-40°C) TO 221°F (105°C)
 - INGRESS PROTECTION: APPLICATION DEPENDENT UP TO IP66 REQUIREMENTS
2. MAXIMUM TORQUE:
 - MB INPUT STUD: 215 IN.-LBS (18 FT.-LBS)
 - MOUNTING: 300 IN.-LBS (25 FT.-LBS)
3. OPERATING TEMPERATURE: 40°F (-40°C) TO 221°F (105°C)
4. INGRESS PROTECTION: APPLICATION DEPENDENT UP TO IP66 REQUIREMENTS

COVER SHOWN OPEN
MARKING IS ON TOP
OF COVER

DEVICE PLACEMENT		
POSITION	REFERENCE	DEVICE
D1	F1	MINI FUSE
D2	F2	MINI FUSE
D3	F3	MINI FUSE
D4	F4	MINI FUSE
D5	F5	MINI FUSE
D6	F6	MINI FUSE
D7	F7	MINI FUSE
D8	F8	MINI FUSE
D9	F9	MINI FUSE
D10	F10	MINI FUSE
D11	F11	MINI FUSE
D12	F12	MINI FUSE
D13	F13	MINI FUSE
D14	F14	MINI FUSE
D15	F15	MINI FUSE
D16	F16	MINI FUSE

DEVICE PLACEMENT		
POSITION	REFERENCE	DEVICE
D17	F9	MINI FUSE
D18	F10	MINI FUSE
D19	F11	MINI FUSE
D20	F12	MINI FUSE
D21	F13	MINI FUSE
D22	F14	MINI FUSE
D23	F15	MINI FUSE
D24	F16	MINI FUSE
D25	F17	MINI FUSE
D26	F18	MINI FUSE
D27	F19	MINI FUSE
D28	F20	MINI FUSE
D29	F21	MINI FUSE
D30	F22	MINI FUSE
D31	F23	MINI FUSE
D32	F24	MINI FUSE
D33	F25	MINI FUSE
D34	F26	MINI FUSE
D35	F27	MINI FUSE

SPARE DEVICE PLACEMENT		
POSITION	REFERENCE	DEVICE
S1	F1	MINI FUSE
S2	F2	MINI FUSE
S3	F3	MINI FUSE
S4	F4	MINI FUSE
S5	F5	MINI FUSE
S6	F6	MINI FUSE
S7	F7	MINI FUSE
S8	F8	MINI FUSE

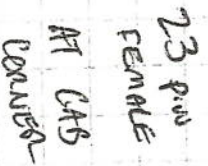
DEVICE TOTALS		
DEVICE	PART #	AMOUNT
MINI FUSE	ATM-150MP-PEC	6
MINI FUSE	ATM-150MP-PEC	6
MINI FUSE	ATM-200MP-PEC	6
MINI FUSE	ATM-200MP-PEC	6
12V, 5-PIN MICRO	B120-7016J	16

TOLERANCES UNLESS OTHERWISE SPECIFIED		
METRIC DIMS	ENGLISH DIMS	FRACTION
2 PL DEC = 1/32	3 PL DEC = 1/64	1/4 IN

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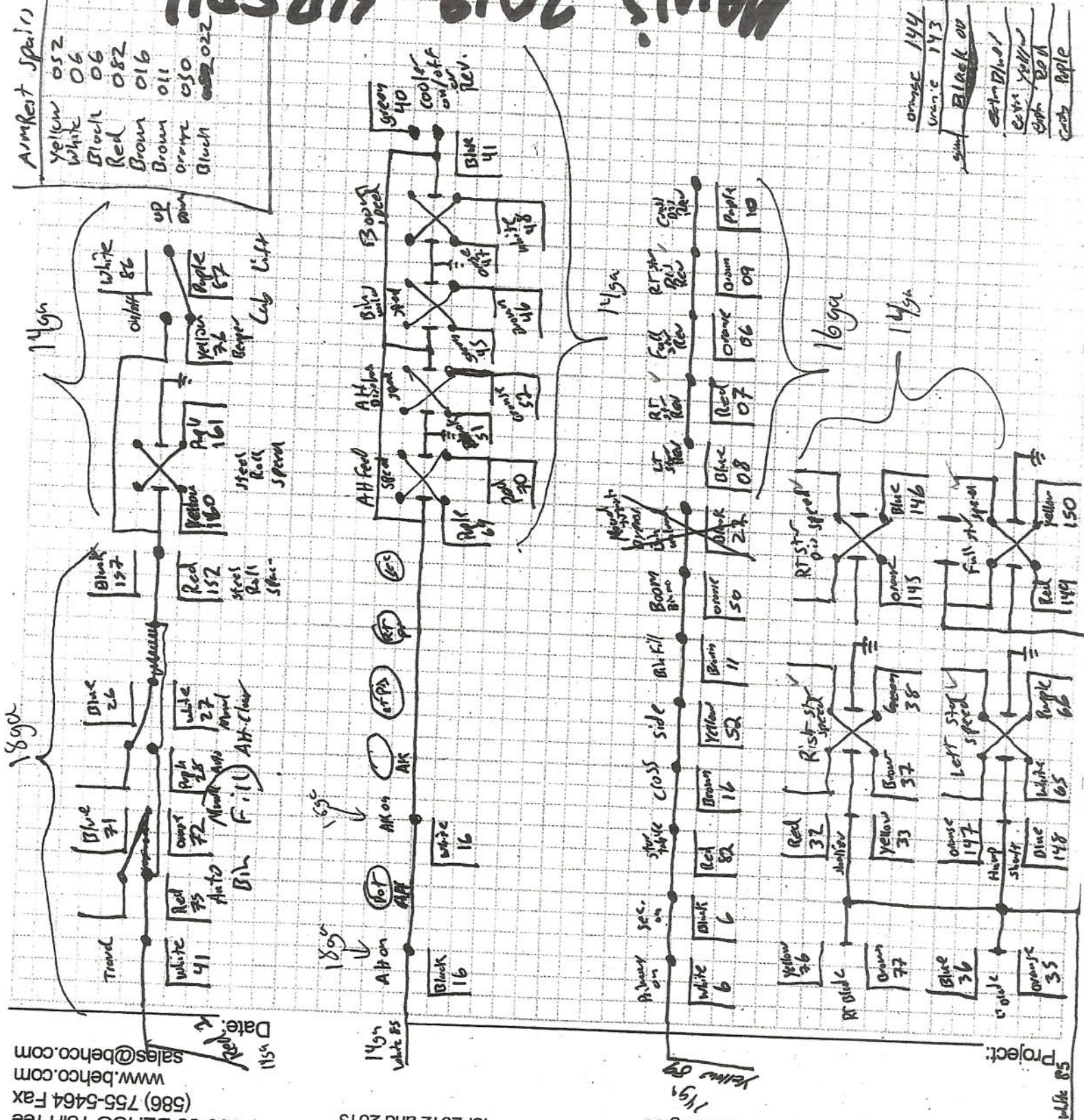
VEHICLE ELECTRICAL CENTER		
DATE	11-07-16	N/A
REV	1	OF 1
PART NO	32S-300-0	SALES

Flow Control HANNESS
BEHIND CAB



<u>Pin</u>	<u>Func.</u> <u>Color</u>	<u>Number</u>	<u>Pin</u>	<u>Func.</u> <u>Color</u>	<u>Number</u>
A ✓	RT STR / BROWN	37	N 1/2 ✓	LEFT STR SPEED / PURPLE	10 ✓
B 1/2 ✓	RT STR / GREEN	38	O 1/4 ✓	LEFT STR REV / BLUE	00 ✓
C 3/4 ✓	RT STR / RED	07	P 1/8 ✓		
D 1/4 ✓	RT STR DIS / ORANGE	15	Q 1/4 ✓		
E 1/2 ✓	RT STR DIS / BLUE	146	R 1/2 ✓		
F 1/4 ✓	RT STR DIS / BROWN	09	S 1/4 ✓		
G 1/4 ✓	STR / YELLOW	160	T 1/4 ✓	CROSS DIS. REV / PURPLE	10 ✓
H 1/4 ✓	SPEED / PURPLE	164	U 1/2 ✓		
I 1/4 ✓	FULL STR / RED	149	V 1/2 ✓		
J 1/4 ✓	FULL STR / YELLOW	150	W 1/2 ✓		
K 1/4 ✓	FULL STR REV / ORANGE	06	X 1/2 ✓	GROUND FOR REVERSE	00 ✓
L 1/4 ✓	LEFT STR SPEED	65			

MAINS 2019 4RSPH
ARM REST
ASSOCIATION FOR
ation



OVERHEAD		
COLOR	NUMBER	DISCRIPTION
YELLOW	15	AIR HEAD FILTER WARNING
BLUE	*03	GROUND DRIVE FILTER WARNING
YELLOW	*020	LOW OIL WARNING
BROWN	88	POWER TO BACKUP LIGHT SWITCH
RED	*081	POWER TO FUEL PUMP SWITCH
BLACK	*0012	POWER TO 4X4 AND HI/LO RANGE
BLACK	*017	POWER TO PARK BRAKE
YELLOW	92	FLASHER STAT TO FLASHER SWITCH
BLACK	*012	LO RANGE TO 150
BLACK	*01	4X4 TO HOLDING RELAYS
RED	81	SWITCH TO FUEL PUMP
BROWN	*06	SWITCH TO BACKUP LIGHT SWITCH
YELLOW	*053	LEFT TURN
BROWN	*054	RIGHT TURN
BLACK	*059	BRAKE SWITCH TO CLUTCH SWITCH TO SMX
BLACK	*0017	BRAKE SWITCH TO BRAKE SOLINOID
RED	*029	POWER TO STROBE SWITCH
RED	29	SWITCH TO STROBE LIGHTS
RED	01	BATTERY DISCONNECT WIRE
Black	02	BATTERY DISCONNECT WIRE
Yellow	03	BATTERY DISCONNECT WIRE
Brown	05	BATTERY DISCONNECT WIRE
Orange	06	BATTERY DISCONNECT WIRE
		BATTERY DISCONNECT WIRE
green	1	(cums) Power now start fan Rly 14ga
Purple	2	(cums) Power now key on 14ga
Black	3	Other
Yellow	4	Other
Blue	5	Other
Purple	6	Other

Handwritten notes:

- 14ga { (grouping wires 1-6)
- 16ga { (grouping wires 7-10)
- 14ga { (grouping wires 11-14)
- 18ga { (grouping wires 15-18)

Main's

Man 2014 #1 8/21/14

IQAN HARNESS PANEL PLUG #9			
PIN #	COLOR	NUMBER	DISCRIPTION
1	RED	13	ST87 IGNITION TERMINAL
2	RED	015	TO SMX SWITCH - "COM" / N.O. ON SMXRED 15 TO SV4 SOLENOID
3	ORANGE	144	NUTRAL SWITCH TO RELAYS
4	BLACK	*01	4X4 FROM HOLDING RELAYS
5	YELLOW	*0089	MASTER ON FROM IQAN
6	BLUE	*026	AH CLEANER FROM IQAN
7	WHITE	*027	AH CLEANER FROM IQAN
8			
9	BLUE	*06	BACK-UP BEEPER SINGAL TO RELAY FROM IQAN
10	RED	*0015	SIGNAL FROM BRAKE PRESSURE SWITCH TO IQAN
11	WHITE		EXTRA
12	WHITE		EXTRA

ALL WIRES TO CAB ARE IN CORD GRIPS ON PANNEL	
CORD GRIP #	DISCRIPTION
1	Left column
2	
3	
4	TC cab #2
5	TC cab #4
6	
7	TC cab #9

PIN #	COLOR	NUMBER	DISCIPTION
1	GREEN	1	BOOM LIFT
2	WHITE	2	BOOM LIFT
3	RED	3	BOOM SWING
4	RED	4	BOOM SWING
5	ORANGE	5	OUTER BOOM
6	ORANGE	6	OUTER BOOM
7	BROWN	*036	BOOM AND DEVINER LIGHTS
8	BLACK	0	GROUND
9	BROWN	*036	BOOM LIGHTS (MULTISEP)
10	BLACK	0	GROUND (MULTISEP)
11	BLACK	*00	GROUND (MULTISEP)
12			CAVITY PLUG

BOOM FUNCTIONS HARNESS PANEL PLUG # 1

PIN #	COLOR	NUMBER	DISCIPTION
1	RED	11	ST87 HOT SIDE TERMINAL
2	RED	13	ST87 IGNITION TERMINAL
3	BROWN	502	POWER FROM TURN STAT
4	WHITE	104	CLUTCH SWITCH N.C. TO RELAY
5	RED	015	TO SMX SWITCH - "COM" / N.O. ON SMXRED 15 TO SV4
6	BLUE	*026	AIR HEAD CLEANER
7	WHITE	*027	AIR HEAD CLEANER
8	BLACK	*00	GROUND
9	MT	MT	CAVITY PLUG 522 Brown
10	MT	MT	CAVITY PLUG 523 Brown
11	MT	MT	CAVITY PLUG
12	MT	MT	CAVITY PLUG
	BLACK	151	STEEL ROLL ACC (RUN WITH HARNESS TO PANNEL CONECT W/O REV. RELAY MOUNTED ON PANEL)
	RED	152	STEEL ROLL ACC (RUN WITH HARNESS TO PANNEL CONECT W/O REV. RELAY MOUNTED ON PANEL)

FRONT OF CAB HARNESS PANEL PLUG # 2

ALL WIRES TO CAB ARE IN CORD GRIPS ON PANNEL		CORD GRIP #	
	DISCRIPTION		
		1	
		2	
		3	
		4	
		5	
		6	
		7	

IQAN HARNESS PANEL PLUG # 3				PIN #	COLOR	NUMBER	DISCRIPTION
				1	RED	13	ST87 IGNITION TERMINAL
				2	RED	015	TO SMX SWITCH - "COM" / N.O. ON SMXRED 15 TO SV4 SOLENOID
				3	ORANGE	144	NUTRAL SWITCH TO RELAYS
				4	BLACK	*01	4X4 FROM HOLDING RELAYS
				5	YELLOW	*0089	MASTER ON FROM IQAN
				6	BLUE	*026	AH CLEANER FROM IQAN
				7	WHITE	*027	AH CLEANER FROM IQAN
				8			
				9	BLUE	*06	BACK-UP BEEPER SINGAL TO RELAY FROM IQAN
				10	RED	*0015	SIGNAL FROM BRAKE PRESSURE SWITCH TO IQAN
				11	WHITE	EXTRA	EXTRA
				12	WHITE	EXTRA	EXTRA

CAB CONNECTOR #1 TO LEFT MAIN, AND REAR MAIN HARNESSSES				
31-PIN CONNECTOR				
PIN #	COLOR	NUMBER	DISCRPTION	
1	ORANGE	147	HUMP SHAFT	✓
2	BLUE	148	HUMP SHAFT	✓
3	PURPLE	69	AIR HEAD FEED SPEED	✓
4	RED	70	AIR HEAD FEED SPEED	✓
5	BLACK	51	AIR HEAD DISCHARGE SPEED	✓
6	ORANGE	52	AIR HEAD DISCHARGE SPEED	✓
7	YELLOW	*053	LEFT TURN	✓
8	YELLOW	156	LEFT PRIMARY REV.	✓
9	BROWN	153	LEFT PRIMARY FORWARD	✓
10	GREEN	602	AIR KNIFE SPEED READOUT	✓
11	GREEN	605	AIR HEAD RPM READOUT	✓
12	BLACK	*059	BRAKE SWITCH TO CLUTCH SWITCH TO SMX	✓
13	WHT		Other	✓
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27	Black		Ground	✓
28	Red	7	Aliment Power Aux	✓
29	YELLOW	76	BEEPER FOR CAB LIFTING IN PROGRESS	✓
30	WHITE	86	CAB LIFT	✓
31	PURPLE	87	CAB LIFT	✓

2
1

Mail 2019 8/21/19 #1

CAB CONNECTOR #3 BEHIND CAB HARNESS			
USE CONNECTOR (2001-0130)			
PIN #	COLOR	NUMBER	DISCRIPTION
A	BROWN	37	RIGHT STAR SPEED
B	GREEN	38	RIGHT STAR SPEED
C	RED	*07	RIGHT STAR REV.
D	ORANGE	145	RIGHT STAR DIS SPEED
E	BLUE	146	RIGHT STAR DIS SPEED
F	BROWN	*09	RIGHT STAR DIS REV.
G	YELLOW	160	STEEL ROLL SPEED
H	PURPLE	161	STEEL ROLL SPEED
J	RED	149	FULL STAR SPEED
K	YELLOW	150	FULL STAR SPEED
L	ORANGE	*06	FULL STAR REV.
M	WHITE	65	LEFT STAR SPEED
N	PURPLE	66	LEFT STAR SPEED
O	BLUE	*08	LEFT STAR REV.
P			
Q			
R			
S			
T	PURPLE	10	CROSS DIS. REV.
U			
V			
W			
X	BLACK	*00	GROUND FOR REV. VALVES

CAB CONNECTOR #2 TO MAIN PANNEL			
9-PIN CONNECTOR			
PIN #	COLOR	NUMBER	DISCRIPTION
R	RED		A/C POWER 8GA
S	BLACK		JD CAB GROUND 8GA
T	BLACK	20	GROUND JD OVERHEAD AND CORNER POST GROUND
U	BLACK		JD CAB GROUND 8GA
V	RED		A/C POWER 12GA TO RED DOT CONTROLLER
W	YELLOW	89	MASTER POWER FROM RELAY
X	WHITE	85	ACC. POWER FROM FUSE
Y	RED	1	AUX ARMREST POWER
Z	RED	52	POWER TO FOOT PEDALS

DATE

CAB CONNECTOR #6 TO MAIN PANNEL			
USE 19-PIN CONNECTOR			
PIN #	COLOR	NUMBER	DISCRIPTION
1	RED	81	SWITCH TO FUEL PUMP
2	BLUE	652	FUEL GAUGE
3	GREEN	155	SECONDARY REV.
4	RED	157	RIGHT PRIMARY REV.
5	ORANGE	154	RIGHT PRIMARY FORWARD
6	RED	*0028	GREENTRONICS POWER
7	BROWN	503	ROAD LIGHT SWITCH TO RELAY
8	RED	18	POWER TO WIPER
9	BROWN	572	LEFT WORK LIGHTS TO RELAY
10	RED	12	POWER TO RADIO
11	BROWN	504	CAB FIELD LIGHTS TO RELAY
12	RED	12	POWER TO RADIO
13	RED	21	POWER TO CORNER POST
14	BROWN	507	CAB ROAD LIGHTS FROM RELAY
15	GREEN	99	CUMMINS START
16	BROWN	526	CAB FIELD LIGHT FROM RELAY
17	PURPLE	99	CUMMINS KEY ON
18	RED	156	AUX OUTLET POWER/CAMERA POWER
19	RED	81	SWITCH TO FUEL PUMP

CAB CONNECTOR #5 ON FRONT OF CAB			
16-PIN CONNECTOR (2001-1144)			
A	RED	11	ST87 HOT SIDE TERMINAL
B	RED	13	ST87 IGNITION TERMINAL
C	BROWN	502	POWER FROM TURN STAT
D	WHITE	104	CLUTCH SWITCH N.C. TO RELAY
E	BLACK	059	TO CLUTCH SWITCH N.O. POSITION TO F (5)
F	RED	0015	TO SMX SWITCH - "COM" / N.O. ON SMXRED 15 TO SV4
G	BROWN	522	RIGHT TURN SIGNAL - BROWN 54 ON MACHINE
H	BROWN	523	LEFT TURN SIGNAL - YELLOW 53 ON MACHINE

Splices in the cab to M03

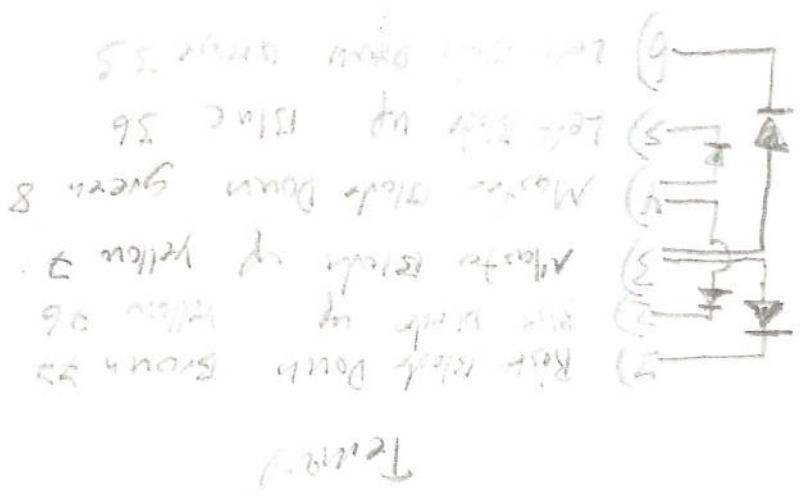
Yellow 89	Master Switch on	to	C2:3
White 6	Primary on	to	C2:1
Black 6	Secondary on	to	C2:2

RIGHT MAIN HARNESS PANEL PLUG #6			
31-PIN CONNECTOR			
PIN #	COLOR	NUMBER	DESCRIPTION
1	ORANGE	154	RIGHT PRIMARY FORWARD
2	RED	157	RIGHT PRIMARY REV.
3	GREEN	155	SECONDARY REV.
4	BLACK		GROUND
5			
6			
7	BLACK		GROUND
8	RED	81	SWITCH TO FUEL PUMP
9	BLUE	652	FUEL TANK SENDER
10	BLACK		GROUND
11	GREEN	17	STONE BOX
12	BLUE	14	RIGHT BLADE UP Yellow 76 T2
13	PURPLE	14	COLTER UP
14	GRAY	16	SHAKER UP Yellow 33
15	YELLOW	7	LEFT BLADE UP Blue 36 T5
16	BLACK	0	GROUND
17	BLACK	0	GROUND
18	GREEN	8	LEFT BLADE DOWN Orange 35 T6
19	WHITE	18	SHAKER UP Red 32
20	PURPLE	13	COLTER DOWN
21	WHITE	12	RIGHT BLADE DOWN Brown 77 T2
22	ORANGE	18	STONE BOX
23	MT	MT	CAVITY PLUG White 0 extra
24	PURPLE	94	HEADLIGHTS
25	RED	29	STROBE
26	BLACK	0	GROUND
27	BROWN	54	RIGHT TURN
28	BLACK	0	GROUND
29	BROWN	36	RIGHT WORK LIGHTS
30	BLACK	0	GROUND
31	BROWN	360	BIN LIGHTS

CAB CONNECTOR #7 TO LEFT MAIN, AND REAR MAIN HARNESSSES			
31-PIN CONNECTOR			
PIN #	COLOR	NUMBER	DISCRIPTION
1	GREEN	45	BIN UNLOAD SPEED
2	BROWN	46	BIN UNLOAD SPEED
3	ORANGE	47	BOOM SPEED
4	WHITE	48	BOOM SPEED
5	BLUE	41	COOLER ON/OFF OR REV.
6	GREEN	40	COOLER ON/OFF OR REV.
7	YELLOW	15	AIR HEAD FILTER WARNING
8	BLUE	*03	GROUND DRIVE FILTER WARNING
9	YELLOW	*020	LOW OIL WARNING
10	YELLOW	*053	LEFT TURN
11	BROWN	*054	RIGHT TURN
12	BLACK	*0017	BRAKE SWITCH TO BRAKE SOLINOID
13	RED	29	SWITCH TO STROBE LIGHTS
14	BLACK		BATTERY DISCONNECT WIRES
15	YELLOW		BATTERY DISCONNECT WIRES
16	BROWN		BATTERY DISCONNECT WIRES
17	ORANGE		BATTERY DISCONNECT WIRES
18	RED		BATTERY DISCONNECT WIRES
19	WHITE	61	CROSS BUZER <u>YELLOW (4)</u>
20	YELLOW	752	TANK TEMP
21	YELLOW	753	TANK TEMP
22	GREEN	425	PRIMARY TEMP
23	GREEN	437	PRIMARY TEMP
24			A/C COMPRESSER CLUTCH
25			
26			
27			
28			
29			
30			
31			

CUMMINS POWERVIEW HARNESS		PART #	

CAB CONNECTOR #9 TO MAIN PANEL		31-PIN CONNECTOR	
PIN #	COLOR	NUMBER	DISCRIPTION
1	BLACK	153	STEEL ROLL SPACE TO REV RELAY
2	RED	152	STEEL ROLL SPACE TO REV RELAY
3	ORANGE	143	POWER TO NUTRAL SWITCH
4	ORANGE	144	NUTRAL SWITCH TO RELAYS
5	BROWN	88	POWER TO BACKUP LIGHT SWITCH
6	RED	*081	POWER TO FUEL PUMP SWITCH
7	BLACK	*0012	POWER TO 4X4 AND HI/LO RANGE
8	BLACK	*017	POWER TO PARK BRAKE
9	YELLOW	92	FLASHER STAT TO FLASHER SWITCH
10	BLACK	*01	4X4 TO HOLDING RELAYS
11	BROWN	*06	SWITCH TO BACKUP LIGHT RELAY
12	RED	*029	POWER TO STROBE SWITCH
13	BLACK	B	STONE BOX
14	RED	B	STONE BOX
15	ORANGE	B	BOOM OUTER
16	BLUE	B	BOOM OUTER
17	YELLOW	B	BOOM LIFT
18	BROWN	B	BOOM LIFT
19	VIOLET	B	BOOM SWING
20	GRAY	B	BOOM SWING
21	W/BROWN	B	COULTER
22	W/BLACK	B	COULTER
23	W/RED	B	MASTER BLADE
24	W/YELLOW	B	MASTER BLADE
25	WHITE	B	POWER TO JORYSTICK
26	YELLOW	76	RIGHT BLADE TO TERMINATION STRIP
27	BROWN	77	RIGHT BLADE TO TERMINATION STRIP
28	BLUE	36	LEFT BLADE TO TERMINATION STRIP
29	ORANGE	35	LEFT BLADE TO TERMINATION STRIP
30	RED	32	SHAKER
31	YELLOW	33	SHAKER



Tested

SPOT	COLOR	NUMBER	DESCRIPTION	FUSE SIZE
1	RED	0081	POWER TO FUEL PUMP SWITCH	10
2	BROWN	88	POWER TO BACK-UP LIGHT SWITCH	20
3	BROWN	0012	POWER TO 4X4 AND HI/LO RANGE	5
4	BLACK	017	POWER TO PARK BRAKE	15
5	BLACK	21	POWER TO CORNER POST	20
6	RED	*00	HUMPSHAFT AND STEEL ROLL REV RELAY POWER	20
7	RED	156 99	CAMERA POWER	30
8	RED	18	POWER TO WIPER	20
9	RED	12	POWER TO RADIO	20
10	RED	52	POWER TO FOOT PEDALS/HORN POWER (WT/BK/PURPLE)	20
11	RED		A/C POWER	20
12	RED			20

SPOT	COLOR	NUMBER	DESCRIPTION	FUSE SIZE
1	ORANGE	143	NEUTRAL SWITCH POWER	5
2	RED	11	POWER TO KEY SWITCH	5
3	YELLOW	92	POWER TO FLASHER AND TURN STAT	20
4	RED	29	STROBE LIGHT POWER TO SWITCH	15
5	RED	156	AUX OUTLET POWER	10
6	YELLOW	912	FLASHER AND TURN STAT	15

SPOT	COLOR	NUMBER	DESCRIPTION	FUSE SIZE
1	WHITE	85	ACC. POWER TO ARMREST	20
2	RED	0	SENSOR POWER	20
3	RED	1	AUX ARMREST POWER	20
4	RED	373	12GA TO DTS-373 SOFT START COILS	20
5	RED	3730	12GA TO DTS-373 SOFT START COILS	20
6	WHITE	B	POWER TO JOYSTICK	10

9/2/2016

BACK IOAN PANNEL

PIN #	COLOR	NUMBER	DESCRIPTION
1	ORANGE		LEFT SPEED SENSOR SIG C1:12
2	PURPLE		RIGHT SPEED SENSOR SIG C1:13
3	YELLOW		MOTOR PRESSURE CONTROL TRANSDUCER SIGNAL C1:8
4	BLUE		PUMP A-PORT PRESSURE TRANSDUCER SIGNAL C1:36
5	GREEN		PUMP B-PORT PRESSURE TRANSDUCER SIGNAL C1:52
6	WHITE	42	MOTOR DISP CONTROL C1:42 OF MC43
7	BLACK	30	MOTOR DISP CONTROL C1:30 OF MC43 GROUND
8	RED	1	5V FOR MOTOR PRESSURE CONTROL TRANSDUCER
9	BLACK	1	GROUND FOR TRANSDUCERS
10	RED	2	12V FOR LEFT SPEED SENSOR
11	BLACK	2	GROUND FOR SPEED SENSORS
12			

GD SENSORS 3

PIN #	COLOR	NUMBER	DESCRIPTION
A	PURPLE		GD PUMP 1 FORWARD C1:43
B	ORANGE		GD PUMP 1 BACK C1:59
C	BLACK	1	GD PUMP 1 GROUND C1:31
D	BLACK	2	GD PUMP 2 GROUND C1:32
E	RED		GD PUMP 2 FORWARD C1:44
F	YELLOW		GD PUMP 2 BACK C1:60
G	BLACK	3	AIR KNIFE GROUND C1:15
H	BLUE		AIR KNIFE C1:40
J	BLACK	4	LEFT PRIMARY GROUND C2:67
K	GRAY		LEFT PRIMARY C2:15
L	BLACK	5	RIGHT PRIMARY GROUND C2:48
M	BROWN		RIGHT PRIMARY C2:14
N	BLACK	6	SECONDARY GROUND C2:68
O	WHITE		SECONDARY C2:16
P	BLACK	7	AIR HEAD GROUND C1:16
Q	GREEN		AIR HEAD C1:41
R	WHITE		CHARGE FILTER INDICATOR C2:9
S	RED		*+12V
T			
U			
V			
W			
X			

PUMP HARNESS 4

- B: n fill, side, cross, B: n wheel - 164"
 - 11 star, 24 star, R+ star 1254 - 154"

PIN #	COLOR	NUMBER	DISCRIPTION
1	BROWN	*016	CROSS OUT C1:45
2	YELLOW	*052	SIDE OUT C1:46
3	BROWN	*011	BIN FILL OUT C1:47
4	ORANGE	*050	BIN UNLOAD C1:48
5	Dark	0	Dark
6	Dark	0	Dark
7	RED	*082	LEFT STAR OUT C2:49
8	RED	*0082	RIGHT STAR OUT C2:50
9	RED	*00082	RIGHT STAR DIS. C2:51
10	White	65	Cross power 5000
11	Black	00	coolant green from pump in d.f.
12	Dark	0	Dark

Small

40

PIN #	COLOR	NUMBER	DISCRIPTION
1	YELLOW		REAR STEERING POSITION C1:26
2	RED	*+12V	
3	BLACK	*-12V	
4			
5			
6			
7	RED		STEERING VALVE C1:39
8	GREEN		STEERING VALVE GROUND C1:14
9	WHITE		STEERING VALVE C1:55
10			
11			
12			

41

40

38

T

2

IQAN HARNESS CONNECTION BETWEEN PANELS				DISCUSSION	
PIN #	COLOR	NUMBER	DESCRIPTION		
1	YELLOW		CAN-A HI (TWISTED PAIR)	20	1
2	BLACK		CAN-B HI (TWISTED PAIR)	22	
3	BLUE		CAN-C HI (TWISTED PAIR)	24	
4	BLUE		Ground		
5	BLUE		Ground		
6	Red		Power MC43		
7	Red		Power MC43		
8	Blue		Power Ground		
9	Red		Power Ground		
10	WHITE		CAN-C LO (TWISTED PAIR)	25	
11	GRAY		CAN-B LO (TWISTED PAIR)	23	
12	GREEN		CAN-A LO (TWISTED PAIR)	21	

RELAY CENTER #1			
CONNECTOR #9 (BLUE)			
USE CONNECTOR PART # 2001-1331			
PIN #	COLOR	NUMBER	DISCRIPTION
A			NOT USED 2001-0528
B	RED	4	BOOM SWING TO RIGHT MAIN
C	GREEN	8	MASTER BLADE DOWN TO TERMINATION STRIP
D	WHITE/YELLOW		MASTER BLADE DOWN FROM CAB CON. #3
E	GRAY		BOOM SWING FROM CAB CON. #3
F	BROWN		BOOM LIFT DOWN FROM CAB CON. #3
G	WHITE	2	BOOM LIFT DOWN TO PANEL PLUG #8
H			NOT USED 2001-0528

RELAY CENTER #1			
CONNECTOR #11 (GREEN)			
USE CONNECTOR PART # 2001-1333			
PIN #	COLOR	NUMBER	DISCRIPTION
A			NOT USED 2001-0528
B	BLUE		OUTER BOOM DOWN TO CAB CON. #3
C			NOT USED 2001-0528
D	ORANGE	6	OUTER BOOM DOWN TO PANEL PLUG #8
E	YELLOW		BOOM LIFT UP FROM CAB CON. #3
F	GREEN	1	BOOM LIFT UP TO PANEL PLUG #8
G	VIOLET		BOOM SWING FROM CAB CON. #3
H	RED	3	BOOM SWING TO PANEL PLUG #8

RELAY CENTER #1			
CONNECTOR #12 (BROWN)			
USE CONNECTOR PART # 2001-1332			
PIN #	COLOR	NUMBER	DISCRIPTION
A			NOT USED 2001-0528
B			NOT USED 2001-0528
C			NOT USED 2001-0528
D	ORANGE		OUTER BOOM UP FROM CAB CON. #3
E			NOT USED 2001-0528
F	ORANGE	5	OUTER BOOM UP TO PANEL PLUG #8
G	WHITE/RED		MASTER BLADE
H	YELLOW	7	MASTER BLADE TO TERMINAL STRIP

RELAY CENTER #1			
CONNECTOR #1 (GRAY)			
USE CONNECTOR PART # 2001-1270			
PIN #	COLOR	NUMBER	DISCRPTION
A			NOT USED 2001-0528
B	WHITE/BLACK		COULTER DOWN FROM CAB CON. #3
C			NOT USED 2001-0528
D	ORANGE <i>RED</i>		COULTER DOWN <i>DOWN</i> <i>Page 14</i>
E	WHITE/BROWN		COULTER UP FROM CAB CON. #3
F	BROWN <i>UP</i>		COULTER UP <i>Page 13</i>
G	BLACK		STONE BOX UP FROM CAB CON. #3
H	BLUE	11	STONE BOX UP

RELAY CENTER #1			
CONNECTOR #2 (RED)			
USE CONNECTOR PART # 2001-1335			
PIN #	COLOR	NUMBER	DISCRPTION
A			NOT USED 2001-0528
B	RED		STONE BOX
C			NOT USED 2001-0528
D	WHITE	12	STONE BOX
E			NOT USED 2001-0528
F			NOT USED 2001-0528
G			NOT USED 2001-0528
H			NOT USED 2001-0528

RELAY CENTER #1			
CONNECTOR #4 (ORANGE)			
USE CONNECTOR PART # 2001-1334			
PIN #	COLOR	NUMBER	DISCRPTION
A			NOT USED 2001-0528
B			NOT USED 2001-0528
C			
D			NOT USED 2001-0528
E	BLACK		GROUND
F			
G			NOT USED 2001-0528
H			NOT USED 2001-0528

- #2

[illegible]

Nuts (2001-1207)
Wahler (2001-1208)

1
31-p.h
to left, ~~and~~ Rev
(lenses)
(blue)

2001-0131

2
A/c
plug
to tunnel
(full)

2001-1143

7
31-p.h
to ~~left~~, ~~and~~ Rev
(7 mm)

2001-0131

9

31-p.h
to tunnel
(full)

2001-0131

10
(cummis
power view
harness)

3
23-p.h
Behind cab
flow counter
Horness
(pink)

2001-0130

8
47-p.h
I qn
harness
(green)

IOAN BACK PANNEL SMALL TERMINATION STRIP ON RIGHTSIDE			
T	COLOR	NUMBER	DISCRIPTION
1		C1:4	ADDR - L for address for (2T)
2		C1:20	ADDR - H for address for (2T)
3			Cross out from M43 C1:45 to 36
4			Side out C1:46 to 36
5			Blk fill out C1:47 to 36
6			Blk null out C1:48 to 36
7			Left str out C1:49 to 36
8			Right str out C2:50 to 36
9			Right str out C2:51 to 36
10			
11			
12			
13			
14	Blue		MC43 power plug 2 pin 4
15	Red		MC43 power plug 2 pin 6
16	Red		MC43 power plug 2 pin 7
17	Blue		MC43 ground plug 2 pin 5
18	Red		Sensor power plug 2 pin 9
19	Blk		Sensor ground plug 2 pin 8
20			
21			
22			
23	Red	373	Power to Relay #2
24	Red	0373	Power to Relay #2
25	Red		12ga Extra Power
26	Blue		12ga Extra ground
27	Blue		373 ground to plug
28	Blue		373 grounds to plug
29			Cross out from Relay to 30
30			Side out from Rel to 30
31			Blk fill out to 30
32			Blk null out to 30
33			ground
34			ground
35			Left str out to 30
36			Right str out to 30
37			Right str out to 30
38			Cross power sensor long to M43 plug
39			cooler ground
40			ground

7/2/2019

FRONT IQAN PANNEL			
CAB CORNER PLUG #8 TO IQAN			
47-PIN CONNECTOR			
PIN #	COLOR	NUMBER	DISCRIPTION
1	BLACK	1	C1:1-BAT TO MD3
2	YELLOW	A	C1:11 CAN-A-HI
3	GREEN	A	C1:2 CAN-A-LO
4	ORANGE	7	C1:7 +RTC
5	RED	12	C1:12 +BAT TO MD3
6	WHITE	6	EXTRA
7	Blue	B	C1:10 CAN-B-HI
8	GRAY	B	C1:3 CAN-B-LO
9	RED	C	C1:9 CAN-C-HI
10	Black-Blue	C	C1:4 CAN-C-LO
11	WHITE	11	EXTRA
12	WHITE	12	EXTRA
13			C1:10 JOYSTICK INPUT TO MC43
14			
15			
16	BLACK	16	C1:28 AIR HEAD ON TO MC43
17			
18	WHITE	41	C2:3 TRAVLE MODE TO MC43
19	RED	75	C2:27 BIN FILL AUTO TO MC43
20	BLUE	26	C2:6 MANUAL AIR HEAD CLEANER TO MC43
21	BLACK	*012	C1:26 LO RANGE TO MC43
22	WHITE	27	C2:19 MANUAL AIR HEAD CLEANER TO MC43
23	PURPLE	28	C2:22 AUTO AIR HEAD CLEANER TO MC43
24	BLUE	71	C2:28 MANUAL BIN UP TO MC43
25	BLACK	901	C2:35 SEAT SWITCH TO MC43
26	ORANGE	*03	C2:37 LEFT PRIMARY POT TO MC43
27	YELLOW	*04	C2:38 RIGHT PRIMARY POT TO MC43
28	ORANGE	72	C2:41 MANUAL BIN DOWN TO MC43
29	BLACK	*0017	C2:42 BRAKE SWITCH TO MC43
30	BROWN	*05	C2:54 SECONDARY POT TO MC43
31	WHITE	*01	C2:56 AIR KNIFE POT TO MC43
32	WHITE	16	C1:29 AIR KNIFE ON TO MC43
33	BLUE	55	C2:62 LEFT STEER TO MC42
34	BLUE		*5V POWER C1:23
35	PURPLE	83	C2:55 CENTERING TO MC42
36	BLACK	*02	C2:36 AIRHEAD POT TO MC42
37	ORANGE	56	C2:61 RIGHT STEER TO MC42
38	BLUE		*+5V POWER C1:51
39	BLACK	902	*+12V POWER TO SEAT SWITCH
40	RED	82	STAR TABLE ON C1:24, C1:25, C2:26
41	BROWN	16	CROSS ON C2:9
42	YELLOW	52	SIDE ON C2:11
43	BROWN	11	BIN FILL ON C2:12
44	ORANGE	50	BOOM ON C2:25
45	Green	105	AH speed sensor To 70 (not B)
46	RED	75	02:27 Bin fill AUTO MC43
47			

C1:4 address 705 (37)
C1:20 address 705 (37)

49

48



IQAN HARNESS ● CONNECTION BETWEEN PANELS				IQAN HARNESS ● CONNECTION BETWEEN PANELS			
PIN #				PIN #			
1	RED	13	DISCUSSION	1	YELLOW	CAN-A HI (TWISTED PAIR)	DISCUSSION
2	RED	015	C2:10 TO 5MX SWITCH - "COM" / N.O. ON SMXRED 15 TO SV4 5	2	BLACK	CAN-B HI (TWISTED PAIR)	
3	ORANGE	144	NUSTRAL SWITCH TO RELAYS C1:52	3	BLUE	CAN-C HI (TWISTED PAIR)	
4	BLACK	*01	4X4 FROM HOLDING RELAYS C2:58	4	BLACK		
5	YELLOW	*0089	MASTER ON FROM IQAN C2:52	5	BLACK	GROUND	
6	BLUE	*026	AH CLEANER FROM IQAN C2:49	6	RED	POWER	
7	WHITE	*027	AH CLEANER FROM IQAN C2:50	7	RED	POWER	
8				8	BLANK	GROUND	
9	BLUE	*06	BACK-UP BEEPER SIGNAL TO RELAY FROM IQAN C1:45	9	RED	POWER	
10	RED	*0015	SIGNAL FROM BRAKE PRESSURE SWITCH TO IQAN C1:36	10	BLANK	GROUND	
11	WHITE		EXTRA	11	GRAY	CAN-B LO (TWISTED PAIR)	
12	WHITE		EXTRA	12	GREEN	CAN-A LO (TWISTED PAIR)	

Black 1
Black 2
Black 3
Black 4

753
B1
B3
B5
13
11
9
10
12
14
D6
D4
D2

IQAN HARNESS PANEL A BIN LEVEL SENSORS/CYLINDERS			
PIN #	COLOR	NUMBER	DISCRIPTION
1	BROWN	1	BANNER +12V
2	WHITE	1	BANNER SIGNAL C1:8
3	BLUE	1	BANNER -12V
4	BROWN	2	BANNER +12V
5	WHITE	2	BANNER SIGNAL C1:9
6	BLUE	2	BANNER -12V
7	BLACK		C1:16 BIN LEVEL CONTROL GROUND
8	RED		C1:41 BIN LEVEL CONTROL UP
9	RED		C1:57 BIN LEVEL CONTROL DOWN
10			
11			
12			
IQAN HARNESS PANEL B AIR HEAD LEVEL CYLINDERS			
PIN #	COLOR	NUMBER	DISCRIPTION
1	RED		PITCH UP C1:39
2	GREEN		PITCH GROUND C1:14
3	BLACK		PITCH DOWN C1:55
4	ORANGE		ROLL UP C1:40
5	PURPLE		ROLL GROUND C1:15
6	YELLOW		ROLL DOWN C1:56
7			
8			
9			
10			
11			
12			
IQAN HARNESS PANEL C AUTO AIRHEAD INPUTS			
PIN #	COLOR	NUMBER	DISCRIPTION
1	RED	12	*+12V
2	BLACK	12	*-12V
3	WHITE	3	VACUUM SENSOR SIGNAL C2:5
4	RED	5	*+5V
5	BLACK	5	*-5V
6	ORANGE	6	AH MOTOR TRANSDUCER SIGNAL C2:4
7	YELLOW	7	AH SPEED SENSOR SIGNAL C1:11
8	WHITE	3	TEMP SENSOR SIGNAL C2:20
9	BLACK	4	HUMIDITY SENSOR SIGNAL C2:34
10	RED	10	*+12V FOR TEMP HUMID SENSOR
11	BLACK	11	*-12V FOR TEMP HUMID SENSOR
12			

21 22 23 24 25 26 27 28 29 30
 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

#3

PIN #	COLOR	NUMBER	DESCRIPTION
1	RED		*+12V POWER
2	BLACK		*-12V GROUND
3	RED		CAN D HI
4	WHITE		CAN D LO
5	BLACK		SHLD(GROUND)
6	WHITE		AH SPEED SENSOR THAT NEEDS TO GO TO CAB

C1:50
 C1:34
 C1:49
 C1:33

Estimate of green/white
 green
 orange/white
 orange

30
 31
 32
 33

*+5V			
BAROMETRIC PRESSURE SIGNAL C2:21			
*-5V			

#7 12v had wts sent

IQAN HARNESS PANEL AUTO AHEAD INPUTS

28
 29
 30

First I got Penned

T	COLOR	NUMBER	DISCRIPTION
91	Red		Print MC43 power
92	Red		Print MC43 power
93	Red		Back MC43 power
94	Red		Back MC43 power
95	Black		Print MC43 good
96	Blue		Print Power 1 good
97	Blue		Print Power 1 green
98	Black		Print Power 1
99	Red		Print Power 12V
100	Orange		Print Power 12V

Plus #2, #3, #4

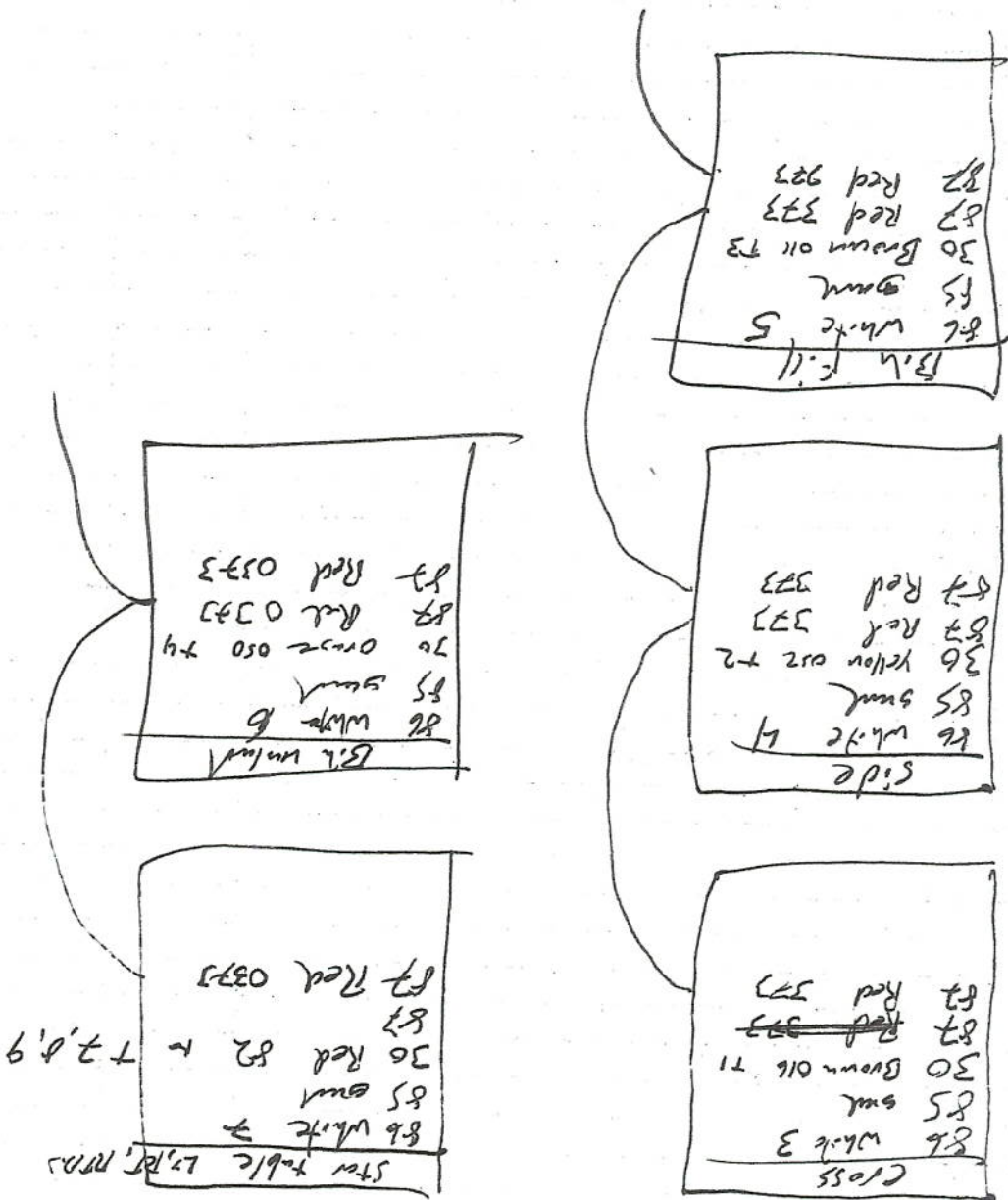
IQAN SMALL TERMINATION STRIP TS2			
T	COLOR	NUMBER	DISCRIPTION
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31	Red		Battery power source
32	Black		" "
33	White		" "
34			
35			

plug # 5, # 6, # 7

IQAN SMALL TERMINATION STRIP TS3 (TOP 8 ARE BIG)			
T	COLOR	NUMBER	DISCRIPTION
B1	yellow		Can A.H.
B2	green		Can A.La
B3	black		Can B.H.
B4	gray		Can B.La
B5	blue		Can C.H.
B6	white		Can C.La
B7	Red		Can D.H.
B8	white		Can D.La
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			

IQAN BACK PANNEL SMALL TERMINATION STRIP ON RIGHTSIDE				
T	COLOR	NUMBER	DISCRIPTION	T
1		C1:4	ADDR - L for address for (2T)	
2		C1:20	ADDR - H for address for (2T)	
3			Cross out from M43 C1: 45 to 36	
4			Side out C1: 46 to 36	
5			Blk F.I.I out C1: 47 to 36	
6			Blk uncut out C1: 48 to 36	
7			Left str out C1: 49 to 36	
8			Right str out C2: 50	
9			Right str out C2: 51	
10				
11				
12				
13				
14	Blue		Reddy M43 ground plug 2 pin 4	
15	Red		M43 power pin 2 pin 6	
16	Red		M43 power plug 2 pin 7	
17	Blue		M43 ground plug 2 pin 5	
18	Red		Sensor power plug 2 pin 9	
19	Blk		Sensor ground plug 2 pin 8	
20				
21				
22				
23	Red	373	Power to Relay #2	
24	Red	0373	Power to Relay #2	
25	Red		12 ga Extra Power	
26	Blue		12 ga Extra ground	
27	Blue		373 ground to plug	
28	Blue		373 grounds to plug	
29			Cross out from Relay to 30	
30			Side out from Rel to 30	
31			Blk F.I.I out to 30	
32			Blk uncut out to 30	
33			ground	
34			ground	
35			Left str out to 36	
36			Right str out to 30	
37			Right str out to 30	
38			Cross press sensor long to main power plug	
39			cooling ground	
40			ground	

Left Panel Retings



T3-1	VIN-I	VACUUM SENSOR SIGNAL	C2:3	MC43	WHITE WIRE/PLUG-5/PIN-1
T3-2	VIN-K	BAROMETRIC SENSOR SIGNAL	C2:4	MC43	WHITE WIRE
T3-3	VIN-J	TEMPERATURE SENSOR SIGNAL	C2:6	MC43	WHITE WIRE
T3-4	VIN-L	HUMIDITY SENSOR SIGNAL	C2:5	MC43	BLACK WIRE
T3-5	(+VREF-A)	(+5V) SUPPLY	C2:7	MC43	BAROMETRIC/TRANS SUPPLY
T3-6	(-VREF)	GROUND FOR +5V REF	C2:23	MC43	BAROMETRIC/TRANS GROUND
T3-7	VIN-H	AH MOTOR PSI SIGNAL	C2:19	MC43	AH MOTOR TRANSDUCER PIN-1
T3-8	FIN-A	AH SPEED SENSOR SIGNAL [RPM]	C1:11	MC43	
T3-9					
T3-10					
T3-11					
T3-12					
T3-13					
T3-14	C-OUT-A (HS)	AH PUMP PIN-B	C1:14	MC43	BLACK WIRE
T3-15	C-OUT-A (LS+)	AH PUMP PIN-A	C1:39	MC43	RED WIRE
T3-16					
T3-17	ETH TD+	ETHERNET ADAPTOR	C1:50	MC43	GREEN/WHITE
T3-18	ETH TD-	ETHERNET ADAPTOR	C1:34	MC43	GREEN
T3-19	ETH RD+	ETHERNET ADAPTOR	C1:49	MC43	ORANGE/WHITE
T3-20	ETH RD-	ETHERNET ADAPTOR	C1:33	MC43	ORANGE

CAN BUSES

TERMINATION	CHANNEL	NAME	
T1-19	DIAGNOSTIC BUS-LO	CAN-A-LO	
T1-20	DIAGNOSTIC BUS-HI	CAN-A-HI	
T2-15	MASTER BUS-LO	CAN-B-LO	
T2-16	MASTER BUS-HI	CAN-B-HI	
T1-2	J1939 IN/OUT BUS-LO	CAN-C-LO	
T1-4	J1939 IN/OUT BUS-HI	CAN-C-HI	
T2-13	J1939 SYSTEM BUS-LO	CAN-D-LO	
T2-14	J1939 SYSTEM BUS-HI	CAN-D-HI	

8 Victoria Glen St., Elmira, ON, N3B 1S1, Canada
Ph: 519-669-4698 Fax: 519-669-2880
Email: info@greentronics.com

Greentronics Ltd.

Sales Order

Sales Order #: 297

Date: 2019-08-13 9:33:52

SOLD TO:
Advanced Farm Equipment
Sales Cont: Greg Merrihew 989-268-5711
Billing Cont: Kim Bollinger 989-268-5711
5773 Crystal Road
Vestaburg
MI
048891
USA
EIN#: 59-3775095

SHIP TO:
Advanced Farm Equipment
Contact: Lynn Maggert Jr. - 989-268-5711
Email: lynn.m@lenco-harvesters.com
5773 Crystal Road
Vestaburg
MI
048891
USA
Delivery Notes:

Emails: Sales Cont.: greg.m@lenco-harvesters.com Billing Cont.: kim.b@lenco-harvesters.com

P.O. # 062611

Terms: Net 30 days

Ship Via: UPS Standard

Charge To: PP&B

Est. Ship Date: 2019-08-14 Tracking No: 1Z9A51R26898239343

#	Part #	Description	Price	Qty	Total
1	YM431-2T	Yield Monitor, 2 load cells, stand-alone kit with data logging, USB for copying data, and GPS input. Includes automatic tilt compensation. GPS receiver not included. No unlocks for third party devices.	\$7,800.00	1.00	\$7,800.00
2	YM-JD	License Key with WA1045 Cable: RiteYield integration with JD GS3 2630	\$520.00	1.00	\$520.00
3	YM-ISO	License Key and Cable: RiteYield ISOBUS	\$640.00	1.00	\$640.00
4	STXY002	Tilt compensation option for Yield Monitors and Conveyor Scales, 2-way sensor, extended range complete with cable, SS mounting plate and two screws.	\$975.00	1.00	\$975.00
Sub Total					\$9,935.00
5	Discount	Dealer Discount: 25%			
Sub Total					\$7,451.25
6	ERA	Exchange rate adjustment (floating with frequent adjustment) 9%			
					\$670.61

7		Freight	Freight and Insurance (estimates)		
					\$85.00
				Net Total	\$6,780.64
				Total	\$6,865.64
				Total	\$6,865.64

Currency: USD

Pricing f.o.b. Elmira, ON - Pricing does not include installation and set-up.

NOTE: Placing an order and/or making payments confirms you have read, understand, and agree with the Terms, Return, Warranty, and Liability policies available at www.greentronics.com.

Business number 83914 4441 RT0001

CUSTOMER NOTES

PRINTED 7/12/19 P.2.

AFE New Equipment Chain Verification Sheet

Chain For AFE / Main Farms #19097 4RSPH65LAH

AFE Part #	Description	Brand	Location
2003-01999	1/2x32x50mm 2x60 1STPL-2UPPL 107+ 17' 6"	Noffsinger	Primary (4)
2003-02000	7/16x65x45mm 3x60 STSRT 75+ 11' - 5' LNK	Noffsinger	Secondary (2)
2003-02001	5/8x65x150mm 2x60 STSRT 64LPR 3 Center straps 31' 6" *	Noffsinger	Deviner (2)
2003-02002	7/16x48x50mm 2x60 STSRT 202+ 33'	Noffsinger	Rear Cross
2003-00401	7/16x65x45mm 3x60 STSRT 339+ 50' *	Noffsinger	Lower Side
2003-01633	7/16x65x45mm 3x60 1STSRT-10DNSRT 298+ 44'	Noffsinger	Upper Side
2003-02003	7/16x40x45mm 2x60 1STSRT-3DNSRT 271+ 40'	Noffsinger	Bin Fill Conv
2003-01200	7/16x40x45mm 2x60 STSRT 197+ 29'	Noffsinger	Bulkloader
2003-00684	7/16x14x28mm 2x60 STPL 467+ 43'	Noffsinger	Stone Conv

All clips to be bolted on. All chains shipped clips loose one end.

* Changed from spec sheet

Dealer Rep

Date

Customer

Date

PRINTED 7/12/19 PZ

AFE New Equipment Chain Verification Sheet

Chain For AFE / Main Farms #19097 4RSPH65LAH

AFE Part #	Description	Double wrap Clips	Brand	Location
2003-01999	1/2x32x50mm 2x60 1STPL-2UPPL 107+ 17' 6"	8	Noffsinger	Primary (4)
2003-02000	7/16x65x45mm 3x60 STSRT 75+ 11'	6	Noffsinger	Secondary (2)
2003-02001	5/8x65x150mm 2x60 STSRT 64LPR 3 Center straps 31' 6" *	8	Noffsinger	Deviner (2)
2003-02002	7/16x48x50mm 2x60 STSRT 202+ 33'	2	Noffsinger	Rear Cross
2003-00401	7/16x65x45mm 3x60 STSRT 339+ 50' *	3	Noffsinger	Lower Side
2003-01633	7/16x65x45mm 3x60 1STSRT-10DNSRT 298+ 44'	3	Noffsinger	Upper Side
2003-02003	7/16x40x45mm 2x60 1STSRT-3DNSRT 271+ 40'	2	Noffsinger	Bin Fill Conv
2003-01200	7/16x40x45mm 2x60 STSRT 197+ 29'	2	Noffsinger	Bulkloader
2003-00684	7/16x14x28mm 2x60 STPL 467+ 43'	8	Noffsinger	Stone Conv

DOUBLE WRAP CLIPS ON ALL BUT ~~3000~~ DEVINER, STONE

All clips to be bolted on. All chains shipped clips loose one end.

* Changed from spec sheet

Dealer Rep

Date

Customer

Date