

2-10-04

HEARTLAND FARMS
4RSPH W/65" A.H. / TANK

#03212

PLUG #1
PIN #

PLUG #1	PIN #	Color	Description
1	92	YELLOW	CB 1 to HAZARD STAT to SWITCH
2	91	GREEN	CB 2 to RIGHT WORK LIGHT RELAY/SWITCH
3	90	ORANGE	CB3 to LEFT WORK LIGHT RELAY/SWITCH
4	017	BLACK	CB4 to BRAKE, STEER, WARNING, SPEEDOMETER
5	081	RED	CB 10 to FUEL PUMP SWITCH
6	89	YELLOW	CB5 to MASTER SWITCH
7			
8	0012	BLACK	CB7 to 2-SPEED
9	0017	BLACK	BRAKE SWITCH to BRAKE SOLENOID
10	88	BROWN	CB 11 to ROAD BACK-UP RELAYS/SWITCH
11	85	WHITE	CB12 to ACTUATOR SWITCHES
12	81	RED	FUEL PUMP SWITCH to FUEL PUMP
13	28	PURPLE	A-H CLEAN AUTO to TIMER #10
14	27	WHITE	A-H CLEAN MANUAL TO TIMER #9 to SOLENOID
15	26	BLUE	A-H CLEAN MANUAL to TIMER #8 to SOLENOID
16	46	BROWN	VINE BELT TILT SWITCH TO ACTUATOR
17	45	GREEN	VINE BELT TILT SWITCH TO ACTUATOR
18			
19	33	YELLOW	PRIMARY VIBRATOR RDRS ACTUATOR
20	32	RED	PRIMARY VIBRATOR RDRS ACTUATOR
21	70	RED	AIR HEAD FEED RDRS ACTUATOR
22	69	PURPLE	AIR HEAD FEED RDRS ACTUATOR
23	52	RED	CB 16 to FOOT SWITCHES 12VDC
24	83	PURPLE	FOOT SWITCHES to STEERING BOX
25			
26			
27			
28			
29			
30	42	YELLOW	
31	43	WHITE	
32	44	RED	
33	47	BROWN	
34	48	BLUE	
35	65	WHITE	LEFT STAR RDRS 112-30 ACTUATOR
36	66	PURPLE	LEFT STAR RDRS 112-30 ACTUATOR
37	50	ORANGE	BIN UNLOAD BYPASS SV3-16-0-12T-12DG SOLENOID

① Outside Panel # 0-4-9

PLUG 2
PIN #

153	BROWN	LEFT PRIMARY REVERSE
154	ORANGE	RIGHT PRIMARY REVERSE
3	BLACK	PARK SWT. TO 14(5)/15(5) RED 0015 TO SMX TO SV4-10-0
4	RED/ORG	HYDRAULIC OIL TEMPERATURE SENSOR TO CAB
5	RED/BLK	TACHOMETER SENSOR TO CAB
6	GREEN	SECONDARY/DEVINER REVERSE
7	BROWN	RIGHT TURN SIGNAL
8	YELLOW	LEFT TURN SIGNAL
9	BROWN	BACK-UP LIGHT SWITCH TO RELAY
10	BLUE	RIGHT WORK LIGHT SWITCH TO RELAY
11	BLACK	LEFT WORK LIGHT SWITCH TO RELAY
12	BLACK	4 X 4 SWITCH TO RELAY
13	BLK/RED	2-SPEED SWITCH TO SOLENOID
14	BROWN	TRASH FAN SWITCH TO SOLENOID
15	BRN/BLK	BIN FILL SWITCH TO DTS-0373B (A) SOLENOID
16	YELLOW	SIDE CONVEYOR SWITCH TO DTS-0373B (A) SOLENOID
17	BRN/RED	CROSS CONVEYOR SWITCH TO DTS-0373B (A) SOLENOID
18	RED	STAR / STEEL ROLLS SWT. TO 3 DTS-0373B (B) SOLENOIDS
19		
20	YELL/RED	FAN HI-PRESSURE FILTER #3 TO LIGHT
21	BLUE	GROUND-DRIVE HI-PRESSURE FILTER #3 TO LIGHT
22	YELL/BLUE	HYDRAULIC LEVEL SENSOR TO CAB (BZL-12)
23	WHITE	CROSS CONVEYOR PRESSURE SWITCH N.O. TO CAB (BZ 6562)
24	BLK/ORG	BIN / BULK SWT. TO DTS-0373B (A) SOLENOID
25	ORANGE	CB7 TO HYDRO NEUTRAL SWITCH #1
26	ORANGE	HYDRO NEUTRAL SWITCH #2 TO PANEL RELAY
27	PURPLE	ROAD LIGHT SWITCH TO RELAY
28	GREEN	DTS-0160 TO CAB SPEEDOMETER
29	RED	STEEL ROLLS RDRS 112-30 ACTUATOR
30	YELLOW	STEEL ROLLS RDRS 112-30 ACTUATOR
31	ORANGE	STAR DIST. ROLLS SWT. TO RDRS 112-30 ACTUATOR
32	BLUE	STAR DIST. ROLLS SWT. TO RDRS 112-30 ACTUATOR
33	ORANGE	HUMP SHAFT ACTUATOR
34	BLUE	HUMP SHAFT ACTUATOR
35	BLACK	STAR TABLE SPACING ACTUATOR
36	BROWN	TEMP SENSOR IN PRIM CIRCUIT TO CAB GAUGE
37	RED	STAR TABLE SPACING ACTUATOR

GREEN 425

GREEN 607

DK GRN/602

YELLOW 752

#03212

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PLUG 3

PIN #

[LG 16]

Pin #	Color	Terminal	Description	Notes
1	RED	CB 6	TO WIPER	
2	RED	CB 6	TO RADIO	
3	PUR		OIL PRESSURE SENSOR TO GAUGE	
4	BLK		GROUND	
5	BRN		LIGHT SWITCH ROAD POSITION TO REAY #5-86	
6	RED	CB 8	TO DOME LIGHT/PANEL/LT SWT/RADIO MEM.(ST87 HOT)	
*7	BRN		CAB FIELD LIGHT RELAY TO CAB FIELD LIGHTS #4-30	
8				
9	ORG		OIL PRESSURE SENSOR TO LIGHT	
*10	BRN		CAB ROAD LIGHT RELAY TO CAB LIGHTS #5-30	
11	BLUE		FUEL TANK SENDER TO GAUGE	
12	BLUE		COOLANT TEMP SENSOR TO LIGHT	
13	GRN		COOLANT TEMP SENDER TO GAUGE	
14	BRN		CAB FIELD LIGHT POSITION TO RELAY #4-86	
*15	BLK	CB 15	TO AUXILIARY OUTLET BOX 12 GA.	
16	GRN		PRIM CIRCUIT TEMP GA. TO GROUND AT SENSOR	

ORG/BLUE 19
 WHITE 58
 ORG/BLK 9
 ORG 4

ORG/RED 14

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4RSPH W/ 65" A.H. / TANK

PLUG 4

SW # PIN #

SW #	PIN #	Color	Description
1	1	RED	TO PIN 4 ON GAUGE PANEL
2	2	BLACK	STONE BOX MV5
3	3	RED	STONE BOX MV5
4	4	ORANGE	BOOM OUTER MV5
5	5	BLUE	BOOM OUTER MV5
6	6	BLK/WHITE	BOOM LIFT MV5
7	7	RED/WHITE	BOOM LIFT MV5
8	8	BLUE/WHITE	BOOM SWING MV5
9	9	GRN/WHITE	BOOM SWING MV5
10	10	ORN/BLK	COULTER MV5 (ORG. 41)
11	11	BLUE/BLK	COULTER MV5
12	12	RED/BLK	BLADE MV5 (RED 40)
13	13	GRN/BLK	BLADE MV5
14	14	BLUE	LEFT CRAB FOOT SWITCH TO STEERING BOX RELAY
15	15	GREEN	AIR HEAD FAN RPM PICK-UP
16	16	ORANGE	RIGHT CRAB FOOT SWITCH TO STEERING BOX RELAY
17	17	BROWN	RIGHT STAR TABLE RDRS 112-30 ACTUATOR
18	18	GREEN	RIGHT STAR TABLE RDRS 112-30 ACTUATOR
19	19	BLUE	BIN FILL MANUAL SWITCH TO TOC 8 (DOWN)
20	20	ORANGE	BIN FILL MANUAL SWITCH TO TOC 8 (UP)
21	21	RED	BIN FILL AUTO SWITCH TO TOC 8
22	22	YELLOW	A.H. DISCHARGE SWITCH TO RDRS ACTUATOR
23	23	GREEN	A.H. DISCHARGE SWITCH TO RDRS ACTUATOR
24	24	GREEN	BIN UNLOAD SWITCH TO RDRS ACTUATOR
25	25	BROWN	BIN UNLOAD SWITCH TO RDRS ACTUATOR
26	26	WHITE	BOOM SWITCH TO RDRS ACTUATOR
27	27	PURPLE	BOOM SWITCH TO RDRS ACTUATOR
28	28		
29	29		
30	30		
31	31		
32	32		
33	33		
34	34		
35	35		
36	36		
37	37		

① Outside Panel & Gas - 7'
TOC 8 - 7'

#03212

HEARTLAND FARMS

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PLUG 5
PIN #

PLUG 5 PIN #	WIRE COLOR	DESCRIPTION
1	RED	ST 87 HOT SIDE TERMINAL
2	RED	KEY SWITCH "ACC" POSITION
3	RED	ST 87 IGNITION TERMINALS
4	BROWN	POWER FROM TURN STAT
5	WHITE	TO RELAY #8-30
14	BLACK	TO CLUTCH SWITCH N.O. BACK TO 15(5)
15	RED	TO SMX SWITCH-COM-N.O. ON SMX RED 15 TO SV4 SOLENOID
18	BROWN	RIGHT TURN SIGNAL - BROWN 54 ON MACHINE 512 TO 522
20	BROWN	LEFT TURN SIGNAL - YELLOW 53 ON MACHINE 513 TO 523

COLUMN PLUG

PIN #	WIRE COLOR	DESCRIPTION
1	PURPLE	OIL PRESSURE GAUGE 705 TO ORANGE/RED 14
2	BLACK	GROUND BLACK TO CAB GROUND
3	BROWN	INTERNAL LAMPS BROWN 526 PRE 1998-503-1998
4	RED	IGNITION & BATTERY RED 21 TO FUSE #7
5	GREEN	TEMP GAUGE GREEN 617 TO ORANGE 4
6	BLUE	FUEL GAUGE BLUE 652 TO WHITE 58
7		
8		
9*	BLUE	WATER TEMP LIGHT BLUE 653 TO ORANGE/BLACK 9
10*	ORANGE	OIL PRESSURE LIGHT ORANGE 924 TO ORANGE/BLUE 19

GAUGE PANEL

PIN #	WIRE COLOR	DESCRIPTION
9*	BLUE	TO BZ6562 BLUE 653 SENDER LIGHT - 12VDC RED 21
10*	ORANGE	TO BZ6562 ORANGE 924 SENDER LIGHT - 12VDC RED 21

ELECTRONIC PUMP CONTROLLERS

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HEARTLAND FARMS

4RSFH W/ 65" A.H. / TANK

#03212

PLUG #6
#

PLUG #	COLOR	FUNCTION
1	BLACK	AIR HEAD CONTROLLER POWER SUPPLY PIN "A"
2	RED	AIR HEAD CONTROLLER COMMAND SIGNAL PIN "A"
3	ORANGE	AIR HEAD CONTROLLER COMMAND SIGNAL PIN "B"
4	BLUE	AIR HEAD CONTROLLER COMMAND SIGNAL PIN "C"
5	BLACK / WHITE	LEFT / RIGHT PRIMARY CONTROLLER POWER SUPPLY "A"
6	RED / WHITE	LEFT PRIMARY CONTROLLER COMMAND SIGNAL PIN "A"
7	BLUE / WHITE	LEFT PRIMARY CONTROLLER COMMAND SIGNAL PIN "B"
8	GREEN / WHITE	LEFT PRIMARY CONTROLLER COMMAND SIGNAL PIN "C"
9	ORANGE / BLACK	RIGHT PRIMARY CONTROLLER COMMAND SIGNAL PIN "A"
10	BLUE / BLACK	RIGHT PRIMARY CONTROLLER COMMAND SIGNAL PIN "B"
11	RED / BLACK	RIGHT PRIMARY CONTROLLER COMMAND SIGNAL PIN "C"
12	GREEN / BLACK	SECONDARY CONTROLLER POWER SUPPLY "A"
13	WHITE	SECONDARY CONTROLLER COMMAND SIGNAL PIN "A"
14	GREEN	SECONDARY CONTROLLER COMMAND SIGNAL PIN "B"
15	WHITE / BLACK	SECONDARY CONTROLLER COMMAND SIGNAL PIN "C"
16	BROWN	CONTROLLER POWER SUPPLY PIN "B" RUN TO ENGINE GRD.

Color	Wire #	Description	Component	Notes
BLACK	1	4X4 TO RELAY		
RED	12	2-SPEED TO CAB		
BLUE	17	BRAKE TO BRAKE SOLENOID		
ORANGE	22	BIN UNLOAD / BULK SWT. TO DTS-0373B (A24 (2)		
RED	2	TO RELAY TO SOLENOID		
BLACK	7	TACH SENSOR TO CAB		
BLUE	18	TACH SENSOR TO GROUND		
ORANGE	23	HYDRAULIC OIL TEMP SENSOR TO CAB		
BLUE	3	GRD DRIVE FILTER #3 TO CAB		
BLACK	8	GRD DRIVE FILTER #1 TO PANEL #4 C.B.		
RED	13	ST87 IGN SIDE TO FUEL SHUTOFF SOL		
ORANGE	24	A/C PLUG (ORANGE 914) TO A/C CLUTCH		
ORANGE	4	WATER TEMP SENDER TO GAUGE		
BLACK	9	WATER TEMP SENSOR TO LIGHT		
RED	14	ENGINE OIL PRESS SENDER TO GAUGE		
BLUE	19	ENGINE OIL PRESS SENSOR TO LIGHT		
YELLOW	5	SIDE CONV. SWT. TO DTS-0373B (A)		
BLACK	10	FAN FILTER #1 TO PANEL #4 C.B.		
RED	15	FAN FILTER #3 TO CAB		
BLUE	20	HYD OIL LEVEL SENSOR TO CAB		
ORANGE	25	HYD OIL LEVEL SENSOR TO PANEL #4 C.B.		
BROWN	6	BACK-UP LIGHTS		
BLACK	11	BIN FILL SWITCH TO DTS-0373B (A)		
RED	16	CROSS CONV. SWT. TO DTS-0373B (A)		
BLUE	21			
BLACK	1	TEMPERATURE SWITCH	DTS-0198C	
12VDC	1			
N.C.	2			
N.O.	3			
SWT.	1	FAIREY FILTER	DTS-0160	
12VDC	1			
N.C.	2			
N.O.	3			
BRAKE PRESS	1			
12VDC	1			
N.O.	3			
GREEN 607		INPUT		
RED CB 4		12 VDC		
GROUND		GROUND		
GREEN		BLUE		