

17086

Sowinski

4RSPH w/AP

Plug #1

Pin#	Color	Wire #	Description	Ref Color
1	Yellow	92	Circuit Breaker 1 to Hazard Stat to Switch	
2	Green	91	Circuit Breaker 2 to Bin Fill Switch / Fan Switches	
3	Orange	090	Reset Switch to Reset Relay	
4	Black	017	Circuit Breaker 4 to Brake, Steer, Warning, Speedometer	
5	Red	081	Circuit Breaker 10 to Fuel Pump Switch	
6	Yellow	089	Reset Switch to Reset Relay	
7				
8				
9	Black	0017	Brake Switch to Brake Solenoid	
10	Brown	88	Circuit Breaker 11 to Back Up Lights Switch	Black 17
11	White	85	Circuit Breaker 12 to Actuator Switches	
12	Red	81	Fuel Pump Switch to Fuel Pump	
13				
14				
15				
16				
17				
18	Red	29	Strobe Light	
19	Yellow	33	Right Shaker Switch to MV5 Valve	
20	Red	32	Right Shaker Switch to MV5 Valve	
21				
22				
23	Red	52	Circuit Breaker 14 to Foot Switches 12VDC	
24**	Purple	83	Foot Switches to Steering Box	
25	Brown	057	Left Row Light Switch to Relay	
26	Black	804	Seat Switch to Time Delay Relay	
27	Black	810	Seat Switch to Time Delay Relay	
28	Brown	088	Circuit Breaker 4 to Back Up Alarm Switch in Cab	
29	Orange	0924	Circuit Breaker 20 to 4x4 Switch to Freewheel Side—12V	
30	Orange	924	4x4 Switch to Front Motor Freewheel Valve	
31	Brown	0088	Back Up Switch to Alarm	
32	Yellow	42	Left Shaker Switch to MV5 Valve	
33	White	43	Left Shaker Switch to MV5 Valve	
34	Purple ^{Purple}	62	Vine Belt Fan Switch to 2017-07101 Shut Off Valve Solenoid	
35	White	65	Left Star Flow Control Actuator	
36	Purple	66	Left Star Flow Control Actuator	
37	Orange	50	Bin Unload Bypass 2017-11304 Shut Off Valve Solenoid	

**See Foot Switch Layout Page

Plug #2				Ref Color
Pin#	Color	Wire #	Description	
1	Brown	153	Left Primary Reverse Switch to Reversing Valve "Reverse"	
2	Orange	154	Right Primary Reverse Switch to Reversing Valve "Reverse"	
3	Black	059	Park Switch to 14(5)/15(5) Red 0015 to SMX to SV4-10-O	
4 ✓	Yellow	752	Hydraulic Oil Temperature Sender—Gray—Pin A—to Cab	Yellow 752
5 ✓	Yellow	752	Hydraulic Oil Temperature Sender—Violet—Pin B—to Cab	Yellow 753
6	Green	155	Secondary Reverse	
7	Brown	54	Right Turn Signal	
8	Yellow	53	Left Turn Signal	
9	Brown	6	Back Up Light Switch to Relay	
10 ✓	Brown	505	Right Work Light Switch to Relay	Brown 505
11	Green	437	Primary Circuit Temperature Sender—Violet—Pin B—to Cab	Green 437
12	Black	1	4x4 Switch to Relay	
13	Black	12	2-Speed Switch to Solenoid/High Pressure Reliefs (2)	
14	Brown	21	Vine Belt Switch to 2017-10026 (A) Solenoid	
15	Brown	11	Left Side Conveyor Switch to 2017-10026 (B) Solenoid	
16	Yellow	5	Right Side Conveyor Switch to 2017-10026 (A) Solenoid	
17	Brown	16	Rear Cross Conveyor Switch to 2017-10026 (A) Solenoid	
18	Red	82	Star / Steel Rolls Switch to 2 - 2017-10026 (B) Solenoids	
19	Yellow	156	Left Primary Reverse Switch to Reversing Valve "Forward"	
20				
21	Blue	3	Ground Drive High Pressure Filter #3 to Light	
22	Yellow	20	Hydraulic Oil Level Sensor to Cab BZL-12	
23	White	61	Cross Conveyor/Star Table (3) Pressure Switch N.O. to Cab BZ6562	
24	Black	22	Boom Switch to 2017-10026(A) Solenoid	
25	Orange	143	Circuit Breaker 7 to Hydro Neutral Switch #1	
26	Orange	144	Hydro Neutral Switch #2 to Panel Relay	
27	Red	157	Right Primary Reverse Switch to Reversing Valve - "Forward"	
28 ✓	Green	607	DTS-0160 to Cab Speedometer	Green 607
29	Red	149	Steel Rolls Switch to Flow Control Actuator	
30	Yellow	150	Steel Rolls Switch to Flow Control Actuator	
31	White	86	Boom Switch to Flow Control Actuator	
32	Purple	87	Boom Switch to 2017-10026 (A) Solenoid	
33				
34				
35	Black	151	Star Table Spacing Actuator	
36	Green	425	Primary Circuit Temperature Sender—Gray—Pin A—to Cab	Green 425
37	Red	152	Star Table Spacing Actuator	

Plug #3	Pin#	Color	Wire #	Description	Ref Color
	1	Red	18	Circuit Breaker 6 to Wiper	P
	2	Red	12	Radio Power from Plug 5 Pin 2	2 (5)
	3	Purple	012	Circuit Breaker 6 to Purple "ACC" in Powerview Harness	P
	4	Black	20	Ground	P
	5	Brown	503	Road Light Switch	P
	6	Red	22	Circuit Breaker 8 to Dome-Panel Light Switch-Radio Memory	P
	7	Brown	507	Cab Field Light Relay to Cab Field Lights	P
	8	Brown	572	Work Light Switch to Left Work Lights Relay	P
	9	Purple	013	Circuit Breaker 12 to Power View Harness (Engine Emergency Kill	P
	10	Brown	526	Cab Road Light Relay to Cab Lights	P
	11	Blue	652	Fuel Tank Sender to Gauge	White 58
	12	Red	011	Red "POW" in Powerview Harness to Plug 5 Pin 1	1 (5)
	13	Green	422	Starter Relay to Powerview Harness	P
	14	Brown	504	Cab Field Light Switch	P
	15	Black	156	Auxiliary Outlet Box	P
	16	Brown	526		
	17	Brown	507		
	18	Brown	504		
	19	Brown	504		

Pin#	Color	Wire #	Description
1	Red	21	Circuit Breaker 7 to Pin 4 on Gauge Panel
2	Black		Rock Box MV5 Valve
3	Red		Rock Box MV5 Valve
4	Orange		Boom Outer MV5
5	Blue		Boom Outer MV5
6	Black/White		Boom Lift MV5
7	Red/White		Boom Lift MV5
8	Blue/White		Boom Swing MV5
9	Green/White		Boom Swing MV5
10	Orange/Black		Coultter Blades MV5
11	Blue/Black		Coultter Blades MV5
12	Red/Black		Blade Up to Relay in Panel
13	Green/Black		Blade Down to Relay in Panel
14**	Blue	55	Left Crab Switch to Steering Box Relay
15			
16**	Orange	56	Right Crab Switch to Steering Box Relay
17	Brown	37	Right Star Table Flow Control Actuator
18	Green	38	Right Star Table Flow Control Actuator
19	Blue	71	Bin Fill Manual Switch to MD3 (DOWN)
20	Orange	72	Bin Fill Manual Switch to MD3 (UP)
21	Red	75	Bin Fill Auto Switch to MD3 Panel Junction Block
22			
23			
24	Green	78	Bin Unload Switch to Flow Control Actuator
25	Brown	79	Bin Unload Switch to Flow Control Actuator
26	White	86	Boom Switch to Flow Control Actuator
27	Purple	87	Boom Switch to Flow Control Actuator
28	White	41	Travel Mode Switch to MD3 / XA2 Modules
29	White	371	Level Warning Light to MD3 / XA2 Modules
30			
31			
32			
33			
34			
35			
36	Black	020	Cybertech Handle to Panel Ground
37	Green	091	Circuit Breaker 2 to Cybertech Handle

Black 108
 Red 109
 Orange 110
 Blue 111
 White 112
 Brown 113
 Purple 114
 Green 115
 Yellow 116
 Brown 117
 Red 118
 Black 119

(Orange 41)
(Red 41)

R. FRONT CORNER FOLD YELLOW 42
 LIFT IN SHAKER RED 32
 BLADE RED 118
 BLADE BLACK 119
 COULTER YELLOW 114
 COULTER BROWN 117

Green
 White

**See Foot Switch Layout Page

Plug #5	Pin#	Color	Wire #	Description	
	1	Red	11	ST87 Hot Side Terminal	12(3)
	2	Red	12	Power from Key Switch "ACC" to Radio	2(3)
	3	Red	13	Key Switch "IGN" to Ignition Terminals on 77007 Solenoids in Panel	P
	4	Brown	502	Power from Turn Signal Stat	P
	5	White	104	Clutch Switch N.C. to Relay	P
	14	Black	059	To Clutch Switch N.O. Position to 15(5)	3(2)
	15	Red	- 0015	To SMX Switch-Com-N.O. on SMX Red 15 to SV4-10-0 Solenoids	
	18	Brown	522	Right Turn Signal - Brown 54 on Machine	7(2)
	20	Yellow	523	Left Turn Signal - Yellow 53 on Machine	8(2)

↑
 WIRE NUMBERS / COLORS

<u>Plug #6</u>	<u>Pin#</u>	<u>Color</u>	<u>Wire #</u>	<u>Description</u>	
	1	Black		Front Cross Fan Controller Power Supply Junction 4	Belden 8468(1)
	2	Black			
	3				
	4				
	5	Black/White		Left / Right Primary Controller Power Supply Junction 8	Belden 8468(1)
	6	Red		Left Primary Potentiometer Pin 1 Command Signal Junction 18	Belden 8468(1)
	7	Blue / White		Left Primary Potentiometer Pin 2 Command Signal Junction 6	Belden 8468(1)
	8	Green / White		Left Primary Potentiometer Pin 3 Command Signal Junction 7	Belden 8468(1)
	9	Red/White		Right Primary Potentiometer Pin 1 Command Signal Junction 19	Belden 8468(1)
	10	Blue / Black		Right Primary Potentiometer Pin 2 Command Signal Junction 10	Belden 8468(1)
	11	Red / Black		Right Primary Potentiometer Pin 3 Command Signal Junction 11	Belden 8468(1)
	12	Green / Black		Secondary Controller Power Supply Junction 16	Belden 8468(1)
	13			Secondary Potentiometer Pin 1 Command Signal Junction 20	Belden 8468(1)
	14	Green		Secondary Potentiometer Pin 2 Command Signal Junction 14	Belden 8468(1)
	15	White / Black		Secondary Potentiometer Pin 3 Command Signal Junction 15	Belden 8468(1)
	16				

<u>Plug #7</u>	<u>Pin#</u>	<u>Color</u>	<u>Wire #</u>	<u>Description</u>
	1	Orange	90 (H)	Main Power Reset Relay (N.O.) to Master Switch
	2	Yellow	89 (H)	Main Power Reset Relay (N.C.) to Master Switch
	3	Black	0012 (H)	Circuit Breaker #7 to HI / LO Switch

Controller Power Supply Pin "B" to Block Ground

Energized Coil

Next to Flange—"IN" - Pressure Out Port "A"

Away from Flange—"OUT"

Primary Pump

Next to Pressure Ports: "IN" - Pressure Out Port "A"

Away from Pressure Ports—"OUT"

Front Cross Fan

Away from Flange—"OUT"

Gauge and Pin Wiring

Speedometer - DTS-0160 Multiplier
CAB

Green	607	Pulse	Poclairn
Red	Circuit Breaker #4	12V DC	Black
Green	OUT	Ground	Brown
			Blue
			IN

2017-10020/2017-10026/2017-10061 Circuit Shut Off Valve
 #1 12V DC #1
 #2 GROUND #2

XM Pressure Switch
 #1 Red 0015 (5) In Clutch Pedal Switch N.O. to 20017-10012 Ground Drive Manifold 12V DC
 #2 Red 15 20017-10012 Ground Drive Manifold SMX-N.O. to SV4-10-O-6T-12DG Solenoid N.C.
 #3 Red 15 20017-10012 Ground Drive Manifold SMX-N.O. to SV4-10-O-6T-12DG Solenoid N.O.

High Pressure Filter Sensor
 #1 12V DC
 #2 N.C.
 #3 N.O.

6348 Gauge Wiring Primary Circuit Digital Temperature Gauge
 Red 12V DC Machine
 Black Primary Oil Temperature Gauge to Ground Red 21
 Gray Primary Oil Temperature Sender PIN A Black 20
 Violet Primary Oil Temperature Sender PIN B Green 425
 Green 437

6348 Gauge Wiring Hydraulic Oil Tank Digital Temperature Gauge
 Red 12V DC Machine
 Black Hydraulic Oil Tank Gauge to Ground Red 21
 Gray Hydraulic Oil Tank Temperature Sender PIN A Black 20
 Violet Hydraulic Oil Tank Temperature Sender PIN B Yellow 752
 Yellow 753

Air Head Filter - A -LF-2919LC-40 (MS10LC)

Pin
 1 N.C.
 2 Yellow 10 COM
 3 Yellow 15 N.O.

Right Side Control Panel
Plug #1

Pin#	Color	Wire #	Description
1	Blue	26	Vine Belt Switch to Flow Control Actuator
2	White	27	Vine Belt Switch to Flow Control Actuator
3	Green	45	Vine Belt Switch to MV5 Valve "UP"
4	Brown	46	Vine Belt Switch to MV5 Valve "DOWN"
5	White	65	Left Vine Belt Distributor Switch to Flow Control Actuator
6	Purple	66	Left Vine Belt Distributor Switch to Flow Control Actuator
7	Orange	145	Right Vine Belt Distributor Switch to Flow Control Actuator
8	Blue	146	Right Vine Belt Distributor Switch to Flow Control Actuator
9	Orange	47	Rear Cross Distributor Switch to Flow Control Actuator
10	White	48	Rear Cross Distributor Switch to Flow Control Actuator
11	Yellow	76	Rear Cross Conveyor Switch to Flow Control Actuator
12	Green	77	Rear Cross Conveyor Switch to Flow Control Actuator
13	Purple	69	Right Side Conveyor Switch to Flow Control Actuator
14	Red	70	Right Side Conveyor Switch to Flow Control Actuator
15	Red	028	#2 Auxiliary Fuse Panel to Right Side Control Panel
16	Black	015	Auxiliary Fuse Panel to Right Control Panel

Left Side of CAB Railing Panel

	Color	Wire #	Description
1	Black	151	Star Table Steel Roll Space Actuators
2	Red	152	Star Table Steel Roll Space Actuators
3	Red	00025	#6 Auxiliary Fuse Panel to Steel Roll Space Control Panel
4	Black	00015	Auxiliary Fuse Panel Ground to Steel Roll Space Control Panel

Front Control Panel
Plug #1

<u>Pin#</u>	<u>Color</u>	<u>BELDEN</u>	<u>Description</u>
1	Red	8770	Front Fan Potentiometer Pin 3 to KAR-TECH Panel
2	White	8770	Front Fan Potentiometer Pin 2 to KAR-TECH Panel
3	Black	8770	Front Fan Potentiometer Pin 1 to KAR-TECH Panel