

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P68 Throttle Control						
A	313	- Throttle - return	151 / 153		P72 @ 7	16 ga. Green
B	312	- Throttle - position input signal	151 / 153		P72 @ 9	16 ga. Black
C	311	- Throttle - +5 Vdc	151 / 153		P72 @ 8	16 ga. Red

P72 Engine Harness at Cab Wall						
1	-	-	132			-
2	-	-	132			-
3	-	-	132			-
4	-	-	132			-
5	315	- "Wait to Start" lamp (ground) - to ECU	130		P366 @ 49	16 ga. Black
6	-	-	132			-
7	313	- Throttle - return	130		P68 @ A	16 ga. Green
8	311	- Throttle - +5 Vdc	130		P68 @ C	16 ga. Red
9	312	- Throttle - position input signal	130		P68 @ B	16 ga. Black
10	-	-	132			-
11	-	-	132			-
12	-	-	132			-
13	-	-	132			-
14	-	-	132			-
15	39	- Starter Solenoid from Neutral Start Relay	130		P350 @ 3	16 ga. Black
16	36	- Tachometer	130		P366 @ 16	16 ga. Black
17	359	- Engine Shutdown Override Return (J.D. 8.1L)	130		P360 @ 4	16 ga. Black
18	360	- Engine Shutdown Override (J.D. 8.1L)	130		P360 @ 5	16 ga. Black
19	-	-	132			-
20	-	-	132			-
21	397	- Bump Down	130		P360 @ 7	16 ga. Black
22	396	- Bump up	130		P360 @ 6	16 ga. Black
23	398	- Bump Enable	130		P360 @ 8	16 ga. Black
24	196	- A/C clutch	130		P366 @ 50	16 ga. Black
25	323	- Fused +24 Vdc Power to ECU (F4, 5A)	130		P350 @ 39	16 ga. Red
26	324	- Fused +24 Vdc Power to ECU (F5, 7.5A)	130		P350 @ 50	16 ga. Red
27	325	- Fused +24 Vdc Power to ECU (F6, 7.5A)	130		P350 @ 51	16 ga. Red
28	326	- Fused +24 Vdc Power to ECU (F7, 7.5A)	130		P350 @ 52	16 ga. Red
29	327	- Fused +24 Vdc Power to ECU (F8, 10A)	130		P350 @ 53	16 ga. Red
30	328	- Fused +24 Vdc Power to ECU (F9, 10A)	130		P350 @ 54	16 ga. Red
31	2	- Ground	130	SPLICE	P350 @ 40	16 ga. Green
					P164 @ 6	16 ga. Green
32	2	- Ground	130		P350 @ 41	16 ga. Green
33	2	- Ground	130		P350 @ 42	16 ga. Green
34	2	- Ground	130		P350 @ 43	16 ga. Green
35	2	- Ground	130		P350 @ 44	16 ga. Green
36	-	-	132			-
37	-	-	132			-
38	330	- CAN_H {J1939(+)}	130	SHIELDED CABLE, ITEM 184	P164 @ 2	18 ga. Yellow
39	331	- CAN_L {J1939(-)}	130		P164 @ 3	18 ga. Green
40	332	- CAN_SHLD {J1939(shield)}	130		P164 @ 4	18 ga. Gray

P92 L.H. Lower Winshield Wiper						
1	220	- Lower Wiper (left front) - Low speed	172		P366 @ 8	16 ga. Black
2	221	- Lower Wiper (left front) - Park	172		P366 @ 9	16 ga. Black

P93 R.H. Lower Winshield Wiper						
1	222	- Lower Wiper (right front) - Low speed	172		P366 @ 10	16 ga. Black
2	223	- Lower Wiper (right front) - Park	172		P366 @ 11	16 ga. Black

P94 Center Front Winshield Wiper						
1	218	- Front Wipers (upper) - Low speed	172		P366 @ 6	16 ga. Black
2	219	- Front Wipers (upper) - Park	172		P366 @ 7	16 ga. Black

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P164 Engine Diagnostic - Murphylink						
1	14 - Power +24VDC CB42		129	SPLICE	P366 @ 62	16 ga. Red
					P371 @ A	16 ga. Red
2	330 - CAN_H {J1939(+)}		129	SHIELDED CABLE, ITEM 184	P72 @ 38	18 ga. Yellow
3	331 - CAN_L {J1939(-)}		129		P72 @ 39	18 ga. Green
4	332 - CAN_SHLD {J1939(shield)}		129		P72 @ 40	18 ga. Gray
5	-		-			-
6	2 - Ground		129	SPLICE	P72 @ 31	16 ga. Green
					P350 @ 40	16 ga.

P210 Junction Box 1 - 4, Cab Wall						
1	81 - Plow Down		130	SPLICE	P355 @ 11	16 ga. Black
					P350 @ 23	16 ga. Black
2	82 - Plow Door - L.H. Retract		130		P355 @ 15	16 ga. Black
3	83 - Plow Door - L.H. Extend		130		P355 @ 14	16 ga. Black
4	78 - Plow Door - R.H. Retract		130		P355 @ 4	16 ga. Black
5	79 - Plow Door - R.H. Extend		130		P355 @ 12	16 ga. Black
6	84 - Plow Float		130		P355 @ 24	16 ga. Black
7	99 - Plow Lock-up cylinder		130		P355 @ 9	16 ga. Black
8	80 Plow Lift		130	SPLICE	P355 @ 10	16 ga. Black
					P350 @ 22	16 ga. Black
9	26 Power +24VDC CB62		130	SPLICE	P215 @ 12	16 ga. Red
					P216 @ 12	16 ga. Red
					P217 @ 12	16 ga. Red
					P218 @ 12	16 ga. Red
					P350 @ 14	16 ga. Red
					P370 @ 15	16 ga. Red
10	2 Ground		130	SPLICE	P210 @ 20	16 ga. Green
					P350 @ 15	16 ga. Green
					P355 @ 17	16 ga. Green
					P370 @ 16	16 ga. Green
11	297 R.H. Rear Temp Door - Out		130		P370 @ 8	16 ga. Black
12	269 L.H. Rear Temp Door - In		130		P370 @ 3	16 ga. Black
13	295 R.H. Rear Temp Door - In		130		P370 @ 7	16 ga. Black
14	271 L.H. Front Temp Door - Out		130		P370 @ 2	16 ga. Black
15	301 R.H. Front Temp Door - Out		130		P370 @ 10	16 ga. Black
16	273 L.H. Front Temp Door - In		130		P370 @ 1	16 ga. Black
17	299 R.H. Front Temp Door - In		130		P370 @ 9	16 ga. Black
18	267 L.H. Rear Temp Door - Out		130		P370 @ 4	16 ga. Black
19	-		132			16 ga. -
20	2 Ground		130	SPLICE	P210 @ 10	16 ga. Green
					P350 @ 15	16 ga. Green
					P355 @ 17	16 ga. Green
					P370 @ 16	16 ga. Green
21	193 Dust Collector / Auger		130		P366 @ 35	16 ga. Black
22	118 Chute rotate - CCW / Tilttable Stone Deflector Down		130		P366 @ 37	16 ga. Black
23	117 Chute rotate - CW / Tilttable Stone Deflector Up		130		P366 @ 36	16 ga. Black
24	263 L.H. Outer Door Tilt - Out		130		P370 @ 6	16 ga. Black
25	291 R.H. Outer Door Tilt - Out		130		P370 @ 12	16 ga. Black
26	265 L.H. Outer Door Tilt - In		130		P370 @ 5	16 ga. Black
27	289 R.H. Outer Door Tilt - In		130		P370 @ 11	16 ga. Black
28	211 Snow Wing Power Lock-up		130		P366 @ 47	16 ga. Black
29	-		132			16 ga. -
30	2 Ground		130	SPLICE	P210 @ 40	16 ga. Green
					P350 @ 17	16 ga. Green
31	167 Transmission Oil Pressure Sender		130		P366 @ 19	16 ga. Black
32	404 Brake DE-ICE		132		P366 @ 48	16 ga. Black
33	67 Brakes On		130		P366 @ 58	16 ga. Black
34	35 Hydraulic Pump		130		P355 @ 2	16 ga. Black
35	308 Track Drive		132		P363 @ 9	16 ga. Black
36	101 Speedometer		130		P371 @ C	16 ga. Black
37	110 Emergency pump		130		P366 @ 20	16 ga. Black
38	162 Transmission Temp.Sender		130		P366 @ 18	16 ga. Black
39	-		132			16 ga. -
40	2 Ground		130	SPLICE	P210 @ 30	16 ga. Green
					P350 @ 17	16 ga. Green

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P215 Junction Box 5 - Cab Wall						
1	40	Fuel Sender	ORN		P366 @ 17	16 ga. Black
2	115	Broom Forward Rotate	BLU		P366 @ 33	16 ga. Black
3	116	Broom Reverse Rotate	WHT/BLK		P366 @ 34	16 ga. Black
4	114	Broom Tilt - down	RED/BLK		P366 @ 32	16 ga. Black
5	113	Broom Tilt - up	GRN/BLK		P366 @ 31	16 ga. Black
6	112	Broom Down	ORG/BLK		P366 @ 30	16 ga. Black
7	111	Broom Up	BLU/BLK		P366 @ 29	16 ga. Black
8	160	Broom Lock-up valve	BLK/WHT		P366 @ 28	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P216 @ 10 P350 @ 19	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9 P216 @ 12 P217 @ 12 P218 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red

P216 Junction Box 6 - Cab Wall						
1	414	Trans Sol 3 & 7	ORN		P365 @ 12	16 ga. Black
2	411	Trans Sol 6	BLU		P365 @ 9	16 ga. Black
3	412	Trans Sol 5	WHT/BLK		P365 @ 10	16 ga. Black
4	203	L.H. Stone Deflector - Down	RED/BLK		P366 @ 40	Black
5	205	R.H. Stone Deflector - Down	GRN/BLK		P366 @ 42	Black
6	202	L.H. Stone Deflector - Up	ORG/BLK		P366 @ 39	Black
7	204	R.H. Stone Deflector - Up	BLU/BLK		P367 @ 41	Black
8	413	Trans Sol 1	BLK/WHT		P365 @ 11	16 ga. Black
9	276	Warm Up	GRN		P366 @ 5	16 ga. Black
10	2	Ground	RED	SPLICE	P215 @ 10 P350 @ 19	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9 P215 @ 12 P217 @ 12 P218 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red

P217 Junction Box 7 - Cab Wall						
1	296	R.H. Inner Door Tilt - In	ORN		P366 @ 43	16 ga. Black
2	293	R.H. Outer Door Rotate CCW	BLU		P370 @ 31	16 ga. Black
3	294	R.H. Outer Door Rotate CW	WHT/BLK		P370 @ 32	16 ga. Black
4	268	L.H. Inner Door Tilt - Out	RED/BLK		P366 @ 46	16 ga. Black
5	270	L.H. Inner Door Tilt - In	GRN/BLK		P366 @ 45	16 ga. Black
6	259	L.H. Outer Door Rotate CCW	ORG/BLK		P370 @ 25	16 ga. Black
7	261	L.H. Outer Door Rotate CW	BLU/BLK		P370 @ 26	16 ga. Black
8	298	R.H. Inner Door Tilt - Out	BLK/WHT		P366 @ 44	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P218 @ 10 P350 @ 21	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9 P215 @ 12 P216 @ 12 P218 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P218 Junction Box 8 - Cab Wall						
1	300	Right Rear Articulated Door - Up	ORN		P370 @ 27	16 ga. Black
2	290	Right Front Articulated Door - Down	BLU		P370 @ 30	16 ga. Black
3	292	Right Front Articulated Door - Up	WHT/BLK		P370 @ 29	16 ga. Black
4	260	Left Rear Articulated Door - Down	RED/BLK		P370 @ 24	16 ga. Black
5	262	Left Rear Articulated Door - Up	GRN/BLK		P370 @ 23	16 ga. Black
6	266	Left Front Articulated Door - Down	ORG/BLK		P370 @ 22	16 ga. Black
7	264	Left Front Articulated Door - Up	BLU/BLK		P370 @ 21	16 ga. Black
8	302	Right Rear Articulated Door - Down	BLK/WHT		P370 @ 28	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P217 @ 10 P350 @ 21	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9 P215 @ 12 P216 @ 12 P217 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red

P250 Frame Harness at Cab Wall						
1	19	Power +24VDC CB51	128		P380 - 1	12 ga. Red
2	2	Ground	128		P380 - 2	12 ga. Green
3	20	Power +24VDC CB52	128		P380 - 3	12 ga. Red
4	2	Ground	128		P380 - 4	12 ga. Green
5	63	Pump (Drive) input - variable	130		P366 @ 3	16 ga. Black
6	62	Pump (Drive) input - common	130		P366 @ 2	16 ga. Black
7	16	Power +24VDC CB44	130		P366 @ 21	16 ga. Red
8	2	Ground	130	SPLICE	P350 @ 29 P349 @ 7	16 ga. Green 16 ga. Green
9	210	Perimeter lights - Front (3 on engine)	130		P366 @ 3	14 ga. Black
10	159	Hydraulic Oil Temperature Sender	130		P366 @ 63	16 ga. Black
11	104	Case Drain Filter Indicator - Green	130		P366 @ 68	16 ga. Black
12	215	Low Hydraulic Oil Level/High Temp. Switch	130		P366 @ 26	16 ga. Black
13	208	Ammeter (positive)	130		P366 @ 24	16 ga. Black
14	209	Ammeter (negative)	130		P366 @ 25	16 ga. Black
15	106	Turntable warning	130		P366 @ 59	16 ga. Black
16	395	Turntable Up - Ground for Brakes	130		P366 @ 60	16 ga. Black
17	75	Pressure Filter (Implement) Indicator - Red	130		P366 @ 52	16 ga. Black
18	-	-	131			-
19	76	Main Return Filter Indicator - Green	130		P366 @ 53	16 ga. Black
20	-	-	131			-
21	74	Pressure Filter (Implement) Indicator - Green	130		P366 @ 51	16 ga. Black
22	77	Main Return Filter Indicator - Red	130		P366 @ 54	16 ga. Black
23	102	Charge Pump Filter Indicator - Green	130		P366 @ 55	16 ga. Black
24	103	Charge Pump Filter Indicator - Red	130		P366 @ 56	16 ga. Black
25	206	Return Filter (Snow Blower) - Green	130		P366 @ 57	16 ga. Black
26	207	Return Filter (Snow Blower) - Red	130		P366 @ 67	16 ga. Black
27	-	-	131			-
28	105	Case Drain Filter Indicator - Red	130		P366 @ 69	16 ga. Black
29	-	-	131			-

P349 Brake Pedal Harness						
1	49	Brake Pedal Out			P355 @ 8	16 ga. Black
2	393	Brake Pedal Return			P350 @ 28	16 ga. Black
3	377	A/C on signal		SPLICE	P350 @ 7 P366 @ 23	16 ga. Black 16 ga. Black
4	21	Power +24VDC CB53			P350 @ 45	14 ga. Red
5	2	Ground			P350 @ 46	14 ga. Green
6	23	Power +24VDC CB55		SPLICE	P350 @ 35 P363 @ 9	16 ga. Red 16 ga. Red
7	2	Ground		SPLICE	P250 @ 8 P350 @ 29	14 ga. Green
8	-	-				-

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P350 Dist Panel, Cen Console						
1	386	Start: Implement Pump off to Neutral Start	130		P355 @ 4	16 ga. Black
2	347	E-Stop PB1 to E-Stop PB8	130		P365 @ 2	16 ga. Black
3	39	Starter Solenoid from Neutral Start Relay	130		P72 @ 15	16 ga. Black
4	394	Brake Parking (See also 67)	130		P366 @ 1	16 ga. Black
5	51	Brake Lights	130		P366 @ 2	16 ga. Black
6	2	Ground	130		P371 @ B	16 ga. Green
7	377	A/C on signal	130	SPLICE	P366 @ 23	16 ga. Black
					P349 @ 3	16 ga.
8	9	Power +24VDC CB33	130		P366 @ 4	16 ga. Red
9	369	AC Fan Power	130		P366 @ 22	14 ga. Black
10	415	Selector Switch	130		P365 @ 3	16 ga. Black
11	24	Power +24VDC CB56	130		P355 @ 5	14 ga. Red
12	2	Ground	130		P360 @ 1	16 ga. Green
13	50	Electrical Interlock PB to Relay Coil	130		P360 @ 4	16 ga. Black
					P210 @ 9	16 ga. Red
14	26	Power +24VDC CB62	130	SPLICE	P216 @ 12	16 ga. Red
					P217 @ 12	16 ga. Red
					P218 @ 12	16 ga. Red
					P215 @ 12	16 ga. Red
					P370 @ 15	16 ga. Red
15	2	Ground	130	SPLICE	P210 @ 10	16 ga. Green
					P210 @ 20	16 ga. Green
					P355 @ 17	16 ga. Green
					P370 @ 16	16 ga. Green
16	27	Power +24VDC CB63	130		P366 @ 27	14 ga. Red
17	2	Ground	130	SPLICE	P210 @ 30	16 ga. Green
					P210 @ 40	16 ga. Green
18	28	Power +24VDC CB64	130		P366 @ 38	16 ga. Red
19	2	Ground	130	SPLICE	P215 @ 10	16 ga. Green
					P216 @ 10	16 ga. Green
20	29	Power +24VDC CB65	130		P355 @ 7	16 ga. Red
21	2	Ground	130	SPLICE	P217 @ 10	16 ga. Green
					P218 @ 10	16 ga. Green
22	80	Plow Lift	130	SPLICE	P355 @ 10	16 ga. Black
					P210 @ 8	16 ga. Black
23	81	Plow Down	130	SPLICE	P355 @ 11	16 ga. Black
					P210 @ 1	16 ga. Black
24	84	Plow Float	130		P210 @ 6	16 ga. Black
25	274	Plow Float Light	130		P355 @ 16	16 ga. Black
26	30	Power +24VDC CB66	130		P370 @ 17	16 ga. Red
27	2	Ground (EDC)	130		P365 @ 1	16 ga. Green
28	393	Brake Pedal Return	130		P349 @ 2	16 ga. Black
29	2	Ground	130	SPLICE	P250 @ 8	16 ga. Green
					P349 @ 7	16 ga. Green
30	395	Turntable Up - Ground for Brakes	130		P366 @ 60	16 ga. Black
31	321	"Drive" Input (from RKS47)	130		P365 @ 8	16 ga. Black
32	-	-	-			-
33	-	-	-			-
34	329	"Neutral" Input (from RKS47)	130		P365 @ 7	16 ga. Black
35	23	Power +24VDC CB55	130	SPLICE	P363 @ 9	16 ga. Red
					P349 @ 6	16 ga. Red
36	415	Selector Switch	130		P365 @ 6	16 ga. Black
37	-	-	-			-
38	348	E-Stop PB8 to Ignition relay coil CR1	130		P360 @ 10	16 ga. Black
39	323	Fused +24 Vdc Power to ECU (F4, 5A)	130		P72 @ 25	16 ga. Red
40	2	Ground	130	SPLICE	P72 @ 31	16 ga. Green
					P164 @ 6	16 ga. Green
41	2	Ground	130		P72 @ 32	16 ga. Green
42	2	Ground	130		P72 @ 33	16 ga. Green
43	2	Ground	130		P72 @ 34	16 ga. Green
44	2	Ground	130		P72 @ 35	16 ga. Green
45	21	Power +24VDC CB53	130		P349 @ 4	14 ga. Red
46	2	Ground	130		P349 @ 5	14 ga. Green
47	-	-	-			16 ga. -
48	43	EDC Controller Power (F3) +24V	130		P363 @ 4	16 ga. Red
49	42	EDC Controller to Neutral Start Relay coil	130	SPLICE	P363 @ 5	16 ga. Black
					P365 @ 3	16 ga. Black
50	324	Fused +24 Vdc Power to ECU (F5, 7.5A)	130		P72 @ 26	16 ga. Red
51	325	Fused +24 Vdc Power to ECU (F6, 7.5A)	130		P72 @ 27	16 ga. Red
52	326	Fused +24 Vdc Power to ECU (F7, 7.5A)	130		P72 @ 28	16 ga. Red
53	327	Fused +24 Vdc Power to ECU (F8, 10A)	130		P72 @ 29	16 ga. Red
54	328	Fused +24 Vdc Power to ECU (F9, 10A)	130		P72 @ 30	16 ga. Red
55	25	Power +24VDC CB61	130		P355 @ 1	16 ga. Red
56	-	-	-			-
57	-	-	-			-
58	-	-	-			-
59	-	-	-			-

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
60	-	-	-			-
61	-	-	-			-
62	-	-	-			-
63	-	-	-			-
64	-	-	-			-
65	-	-	-			-
66	-	-	-			-
67	-	-	-			-
68	-	-	-			-
69	-	-	-			-
70	-	-	-			-

P354 Radio						
-345	345	12Vdc output from Converter - for radio circuit.	NONE		P356 - 345	10 ga. Black
-2	2	Ground	NONE		P356 - 2	10 ga. Green

P355 Gen Console front panel						
1	25	Power +24VDC CB61	127		P350 @ 55	16 ga. Red
2	35	Hydraulic Pump	127		P210 @ 34	16 ga. Black
3	41	Engine Start from Ignition Switch	127		P360 @ 3	16 ga. Black
4	386	Start: Implement Pump off to Neutral Start	127		P350 @ 1	16 ga. Black
5	24	Power +24VDC CB56	127		P350 @ 11	14 ga. Red
6	387	Horn Compressor Power	127		P366 @ 64	14 ga. Black
7	29	Power +24VDC CB65	127		P350 @ 20	16 ga. Red
8	49	Brake Pedal Out	127		P349 @ 1	16 ga. Black
9	99	Plow Lock-up cylinder	127		P210 @ 7	16 ga. Black
10	80	Plow Lift	127	SPLICE	P210 @ 8	16 ga. Black
					P350 @ 22	16 ga. Black
11	81	Plow Down	127	SPLICE	P210 @ 1	16 ga. Black
					P350 @ 23	16 ga. Black
12	79	Plow Door - R.H. Extend	127		P210 @ 5	16 ga. Black
13	78	Plow Door - R.H. Retract	127		P210 @ 4	16 ga. Black
14	83	Plow Door - L.H. Extend	127		P210 @ 3	16 ga. Black
15	82	Plow Door - L.H. Retract	127		P210 @ 2	16 ga. Black
16	274	Plow Float Light	127		P350 @ 25	16 ga. Black
					P210 @ 10	16 ga. Green
17	2	Ground	127	SPLICE	P210 @ 20	16 ga. Green
					P350 @ 15	16 ga. Green
					P370 @ 16	16 ga. Green
18	-	-	-			-
19	-	-	-			-
20	-	-	-			-
21	-	-	-			-
22	-	-	-			-
23	-	-	-			-
24	-	-	-			-

P356 Converter						
-3	3	Power +24VDC from Engine CB to Ignition Switch	NONE		P376 - 3	12 ga. Red
-2	2	Ground	NONE		P376 - 2	12 ga. Green
-345	345	12Vdc output from Converter - for radio circuit.	NONE		P354 - 345	10 ga. Black
-2	2	Ground	NONE		P354 - 2	10 ga. Green

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P360 Ign Switch						
1	2	Ground	129		P350 @ 12	16 ga. Green
2	5	Power +24VDC from Ignition Switch to E-Stop	129		P365 @ 1	16 ga. Red
3	41	Engine Start from Ignition Switch	129		P355 @ 3	16 ga. Black
4	359	Engine Shutdown Override Return (J.D. 8.1L)	129		P72 @ 17	16 ga. Black
5	360	Engine Shutdown Override (J.D. 8.1L)	129		P72 @ 18	16 ga. Black
6	396	Bump up	129		P72 @ 22	16 ga. Black
7	397	Bump Down	129		P72 @ 21	16 ga. Black
8	398	Bump Enable	129		P72 @ 23	16 ga. Black
9	50	Electrical Interlock PB to Relay Coil	129		P350 @ 13	16 ga. Black
10	348	E-Stop PB8 to Ignition relay coil CR1	129		P350 @ 38	16 ga. Black
11	-	-	-			-
12	-	-	-			-

P363 EDC Controller						
1	2	Ground	130		P350 @ 27	16 ga. Green
2	62	Pump (Drive) input - common	130		P250 @ 6	16 ga. Black
3	63	Pump (Drive) input - variable	130		P250 @ 5	16 ga. Black
4	43	EDC Controller Power (F3) +24V	130		P350 @ 48	16 ga. Red
5	42	EDC Controller to Neutral Start Relay coil	130	SPLICE	P350 @ 49	16 ga. Black
					P365 @ 3	16 ga. Black
6	182	Reverse Travel Alarm	130		P366 @ 66	16 ga. Black
7	183	Forward Travel Alarm	130		P366 @ 65	16 ga. Black
8	134	Travel alarm trigger signal from neutral start relay	130		P366 @ 61	16 ga. Black
9	308	Motor Track Drive Solenoid	130		P210 @ 35	16 ga. Black
10	-	-	-			-
11	-	-	-			-
12	-	-	-			-

P365 Cen Console upper panel						
1	5	Power +24VDC from Ignition Switch to E-Stop	130		P360 @ 2	16 ga. Red
2	347	E-Stop PB1 to E-Stop PB8	130		P350 @ 2	16 ga. Black
3	42	EDC Controller to Neutral Start Relay coil	130	SPLICE	P350 @ 49	16 ga. Black
					P363 @ 5	16 ga. Black
4	-	-	-			-
5	-	-	-			-
6	415	Selector Switch	130		P350 @ 36	16 ga. Black
7	329	"Neutral" Input (from RKS47)	130		P350 @ 34	16 ga. Black
8	321	"Drive" Input (from RKS47)	130		P350 @ 31	16 ga. Black
9	411	Trans Sol 6	130		P216 @ 2	16 ga. Black
10	412	Trans Sol 5	130		P217 @ 3	16 ga. Black
11	413	Trans Sol 1	130		P218 @ 8	16 ga. Black
12	414	Trans Sol 3 & 7	130		P219 @ 1	Black

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P366 OH Console						
1	394	Brake Parking (See also 67)	127		P350 @ 4	16 ga. Black
2	51	Brake Lights	127		P350 @ 5	16 ga. Black
3	210	Perimeter lights - Front (3 on engine)	127		P250 @ 9	14 ga. Black
4	9	Power +24VDC CB33	127		P350 @ 8	16 ga. Red
5	276	Warmup System to JB	127		P216 @ 9	16 ga. Black
6	218	Front Wipers (upper) - Low speed	127		P94 @ 1	16 ga. Black
7	219	Front Wipers (upper) - Park	127		P94 @ 2	16 ga. Black
8	220	Lower Wiper (left front) - Low speed	127		P92 @ 1	16 ga. Black
9	221	Lower Wiper (left front) - Park	127		P92 @ 2	16 ga. Black
10	222	Lower Wiper (right front) - Low speed	127		P93 @ 1	16 ga. Black
11	223	Lower Wiper (right front) - Park	127		P93 @ 2	16 ga. Black
12	-	-	-			-
13	-	-	-			-
14	-	-	-			-
15	-	-	-			-
16	36	Tachometer	127		P72 @ 16	16 ga. Black
17	40	Fuel Sender	127		P215 @ 1	16 ga. Black
18	162	Transmission Temp.Sender	127		P210 @ 38	16 ga. Black
19	167	Transmission Oil Pressure Sender	127		P210 @ 31	16 ga. Black
20	110	Emergency pump	127		P210 @ 37	16 ga. Black
21	16	Power +24VDC CB44	127		P250 @ 7	16 ga. Red
22	369	AC Fan Power	127		P350 @ 9	14 ga. Black
23	377	A/C on signal	127	SPLICE	P350 @ 7	16 ga. Black
					P349 @ 3	16 ga. Black
24	208	Ammeter (positive)	127		P250 @ 13	16 ga. Black
25	209	Ammeter (negative)	127		P250 @ 14	16 ga. Black
26	215	Low Hydraulic Oil Level/High Temp. Switch	127		P250 @ 12	16 ga. Black
27	27	Power +24VDC CB63	127		P215 @ 16	14 ga. Red
28	160	Broom Lock-up valve	127		P215 @ 8	16 ga. Black
29	111	Broom Up	127		P215 @ 7	16 ga. Black
30	112	Broom Down	127		P215 @ 6	16 ga. Black
31	113	Broom Tilt - up	127		P215 @ 5	16 ga. Black
32	114	Broom Tilt - down	127		P215 @ 4	16 ga. Black
33	115	Broom Forward Rotate	127		P215 @ 2	16 ga. Black
34	116	Broom Reverse Rotate	127		P215 @ 3	16 ga. Black
35	193	Dust Collector / Auger	127		P210 @ 21	16 ga. Black
36	117	Chute rotate - CW / Tilttable Stone Deflector Up	127		P210 @ 23	16 ga. Black
37	118	Chute rotate - CCW / Tilttable Stone Deflector Down	127		P210 @ 22	16 ga. Black
38	28	Power +24VDC CB64	127		P350 @ 18	14 ga. Red
39	202	L.H. Stone Deflector - Up	127		P216 @ 2	16 ga. Black
40	203	L.H. Stone Deflector - Down	127		P216 @ 8	16 ga. Black
41	204	R.H. Stone Deflector - Up	127		P216 @ 3	16 ga. Black
42	205	R.H. Stone Deflector - Down	127		P216 @ 1	16 ga. Black
43	296	R.H. Inner Door Tilt - In	127		P217 @ 1	16 ga. Black
44	298	R.H. Inner Door Tilt - Out	127		P217 @ 8	16 ga. Black
45	270	L.H. Inner Door Tilt - In	127		P217 @ 5	16 ga. Black
46	268	L.H. Inner Door Tilt - Out	127		P217 @ 4	16 ga. Black
47	211	Snow Wing Power Lock-up	127		P210 @ 28	16 ga. Black
48	404	Brake De-Ice	127		P210 @ 32	16 ga. Black
49	315	"Wait to Start" lamp (ground) - to ECU	127		P72 @ 5	16 ga. Black
50	196	A/C clutch	127		P72 @ 24	16 ga. Black
51	74	Pressure Filter (Implement) Indicator - Green	127		P250 @ 21	16 ga. Black
52	75	Pressure Filter (Implement) Indicator - Red	127		P250 @ 17	16 ga. Black
53	76	Main Return Filter Indicator - Green	127		P250 @ 19	16 ga. Black
54	77	Main Return Filter Indicator - Red	127		P250 @ 22	16 ga. Black
55	102	Charge Pump Filter Indicator - Green	127		P250 @ 23	16 ga. Black
56	103	Charge Pump Filter Indicator - Red	127		P250 @ 24	16 ga. Black
57	206	Return Filter (Snow Blower) - Green	127		P250 @ 25	16 ga. Black
58	67	Brakes On	127		P210 @ 33	16 ga. Black
59	106	Turntable warning	127		P250 @ 15	16 ga. Black
60	395	Turntable Up - Ground for Brakes	127	SPLICE	P250 @ 16	16 ga. Black
					P350 @ 30	16 ga.
61	134	Travel alarm trigger signal from neutral start relay	127		P363 @ 8	16 ga. Black
62	14	Power +24VDC CB42	127	SPLICE	P164 @ 1	16 ga. Red
					P371 @ A	16 ga. Red
63	159	Hydraulic Oil Temperature Sender	127		P250 @ 10	16 ga. Black
64	387	Horn Compressor Power	127		P355 @ 6	14 ga. Black
65	183	Forward Travel Alarm	127		P363 @ 7	16 ga. Black
66	182	Reverse Travel Alarm	127		P363 @ 6	16 ga. Black
67	207	Return Filter (Snow Blower) - Red	127		P250 @ 26	16 ga. Black
68	104	Case Drain Filter Indicator - Green	127		P250 @ 11	16 ga. Black
69	105	Case Drain Filter Indicator - Red	127		P250 @ 28	16 ga. Black
-	-	-	127			-

P370 Seat Harness						
1	273	L.H. Front Temp Door - In	130		P210 @ 16	16 ga. Black



Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
2	271	L.H. Front Temp Door - Out	130		P210 @ 14	16 ga. Black
3	269	L.H. Rear Temp Door - In	130		P210 @ 12	16 ga. Black
4	267	L.H. Rear Temp Door - Out	130		P210 @ 18	16 ga. Black
5	265	L.H. Outer Door Tilt - In	130		P210 @ 26	16 ga. Black
6	263	L.H. Outer Door Tilt - Out	130		P210 @ 24	16 ga. Black
7	295	R.H. Rear Temp Door - In	130		P210 @ 13	16 ga. Black
8	297	R.H. Rear Temp Door - Out	130		P210 @ 11	16 ga. Black
9	299	R.H. Front Temp Door - In	130		P210 @ 17	16 ga. Black
10	301	R.H. Front Temp Door - Out	130		P210 @ 15	16 ga. Black
11	289	R.H. Outer Door Tilt - In	130		P210 @ 27	16 ga. Black
12	291	R.H. Outer Door Tilt - Out	130		P210 @ 25	16 ga. Black
13	-	-	-			-
14	-	-	-			-
15	26	Power +24VDC CB62	130		P210 @ 9	16 ga. Red
					P215 @ 12	16 ga. Red
					P216 @ 12	16 ga. Red
					P217 @ 12	16 ga. Red
					P218 @ 12	16 ga. Red
P350 @ 14	16 ga. Red					
16	2	Ground	130		P210 @ 10	16 ga. Green
					P210 @ 20	16 ga. Green
					P350 @ 15	16 ga. Green
					P355 @ 17	16 ga. Green
17	30	Power +24VDC CB66	130		P350 @ 26	16 ga. Red
18	-	-	-			-
19	-	-	-			-
20	-	-	-			-
21	264	Left Front Articulated Door - Up	130		P218 @ 7	16 ga. Black
22	266	Left Front Articulated Door - Down	130		P218 @ 6	16 ga. Black
23	262	Left Rear Articulated Door - Up	130		P218 @ 5	16 ga. Black
24	260	Left Rear Articulated Door - Down	130		P218 @ 4	16 ga. Black
25	259	L.H. Outer Door Rotate CCW	130		P217 @ 6	16 ga. Black
26	261	L.H. Outer Door Rotate CW	130		P217 @ 7	16 ga. Black
27	300	Right Rear Articulated Door - Up	130		P218 @ 1	16 ga. Black
28	302	Right Rear Articulated Door - Down	130		P218 @ 8	16 ga. Black
29	292	Right Front Articulated Door - Up	130		P218 @ 3	16 ga. Black
30	290	Right Front Articulated Door - Down	130		P218 @ 2	16 ga. Black
31	293	R.H. Outer Door Rotate CCW	130		P217 @ 2	16 ga. Black
32	294	R.H. Outer Door Rotate CW	130		P217 @ 3	16 ga. Black
33	-	-	-			-
34	-	-	-			-
35	-	-	-			-
36	-	-	-			-
37	-	-	-			-
38	-	-	-			-
39	-	-	-			-
40	-	-	-			-

P371 Speedometer, 2-pin						
A	14	- Power +24VDC CB42	153,161	SPLICE	P164 @ 1	16 ga. Red
					P366 @ 62	16 ga. Red
B	2	- Ground	153,161		P350 @ 6	16 ga. Green
C	101	- Speedometer	153,161		P210 @ 36	16 ga. Black

P376 Converter Connection at Rt Side Panel						
-6	6	- Power +24VDC from Elect Interlock to CB Panel	NONE		P380 - 6	10 ga. Red
-4	4	- Power +24VDC from Power Relay to CB Panel	NONE		P380 - 4	8 ga. Red
-4	4	- Power +24VDC from Power Relay to CB Panel	NONE		P381 - 4	8 ga. Red
-2	2	- Ground	NONE		P380 - 2	8 ga. Green
-2	2	- Ground	NONE		P381 - 2	8 ga. Green
-3	3	- Power +24VDC from Engine CB to Ignition Switch	NONE		P356 - 3	12 ga. Red
-2	2	- Ground	NONE		P356 - 2	12 ga. Green

<i>Plug # Pin #</i>	<i>Wire #</i>	<i>Description</i>	<i>Terminal / Seal</i>	<i>Notes (See Last pg)</i>	<i>Destination Connection</i>	<i>Wire Size &amp; Colour</i>
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<b>P380 CC Left Panel Loose Connections</b>						
-19	19	- Power +24VDC CB51	NONE		P250 @ 1	12 ga. Red
-2	2	- Ground	NONE		P250 @ 2	12 ga. Green
-20	20	- Power +24VDC CB52	NONE		P250 @ 3	12 ga. Red
-2	2	- Ground	NONE		P250 @ 4	12 ga. Green
-4	4	- Power +24VDC from Power Relay to CB Panel	NONE		P376 - 4	8 ga. Red
-2	2	- Ground	NONE		P376 - 2	8 ga. Green
-6	6	- Power +24VDC from Elect Interlock to CB Panel	NONE		P376 - 6	10 ga. Red

<b>P381 OH Console Loose Connections</b>						
-2	19	- Power +24VDC CB51	NONE		P376 - 2	8 ga. Red
-4	2	- Ground	NONE		P376 - 4	8 ga. Green