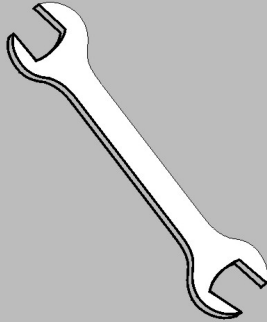


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# Kit Instruction— H00000012



# Please Read

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## References to Yellow Troubleshooting Pages

This manual may contain references to "yellow pages." Although the pages containing troubleshooting procedures are no longer printed on yellow paper, troubleshooting instructions, if any, will be contained in the easily located "Troubleshooting" chapter or section. See the table of contents.

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INSTRUCTIONS FOR INSTALLING  
ELECTRONIC BALANCING KIT KSMEBALANC  
ON 64042 MICRO PROCESSOR MKI & MKII

Tools Required: a Drill, a ½” electrical knockout, and standard hand tools.

PLEASE READ THE ENTIRE INSTRUCTIONS BEFORE BEGINNING

THIS KIT HAS COMPONENTS THAT REPLACE THE BALANCE SENSING UNIT AND COMMUTATOR ASSEMBLY. THE BALANCING VALVES AND NOZZLES ARE STILL USED WITH THE NEW SYSTEM AND MUST WORK.

NOTE: All references for left and right are as if you are standing in front of the machine looking at it.

1. Identify the #1 rib. If the numbers are worn off you can always find #1 because it is the only rib that lines up with a bolt on the basket bolt cover. Jog the machine to position the #1 rib at the 9:00 position when viewing from the front. This sets the machine up for mounting the proximity switch in its proper location at a later step. Lock out power.
2. The next step is to mount the accelerometer. **THE ACCELEROMETER IS VERY FRAGILE AND MUST BE HANDLED WITH CARE.** The location is on a small shelf that exists just behind the shell front at the 2:00 position. First find and mark the position of the accelerometer and cover on the shelf as far to the left as possible. This location will prevent any possible contact of them with the frame. The arrow on the unit should point to the right. Also, mark two holes for mounting the accelerometer cable clamps. The cable routing will be up and to the left. Drill all marked holes with a #17 drill bit provided. By powering up and turning the master switch on, the machine will push down and make it easier to drill the holes for the accelerometer. **REMOVE THE ACCELEROMETER BRACKET HINGE SCREW, THIS WILL ALLOW THE BASE BRACKET AND ACCELEROMETER TO BE SEPARATED, THEN PLACE THE ACCELEROMETER IN A SAFE PLACE.** Mount the accelerometer base bracket using the self-tapping screws provided. Later the fragile accelerometer can be mounted back to it. Pre-mount the accelerometer cover and clamps to prevent any possible shock to the accelerometer. Leave the accelerometer cover off until all the adjustments are finished.
3. The control box location is on the left side of the machine on the vertical beam at eye level. There should not be anything on the inside of this area. Hold the box in place and mark the four mounting holes and the large hole where the cables will enter. Drill four 5/16” holes for the mounting bolts. Where the big hole was marked, three ½” electrical connectors will mount to bring the cabling into the control box. The three holes will form a tight triangle, but remember they have to be spaced so that the nuts can be tightened. Trace the connector nuts to determine the three points needed for drilling the pilot holes for the three knockouts.
4. Disconnect the conduit and wires going to the commutator. Route the cable up to one of the holes for connection to the control box. Remove the commutator assembly. Assemble the proximity switch and its brackets together loosely. The proximity switch bracket will mount

where the commutator was. Use the 3/8" hardware. The proximity switch target gets mounted to the large main pulley so that it blocks the proximity switch when the #1 rib is at the 9:00 position, as in step 1. Sometimes the target falls out on a spoke. If not then the brackets will be needed to span the spokes. Drill through the spokes with the #17 bit first, then the 5/16" bit. Use lots of cutting oil and heavy pressure on the drill. Use the long 1/4" bolts and thin lock nuts to mount the brackets to the spoke. Mount the counterweight directly across (180 degrees out) from the target. Use the 1/4" X 1" bolts and lock nuts to mount the target and counterweight to the brackets. Finally tighten all hardware and make the adjustments to position the proximity switch 3/16" away from the target. NOTE: It may be necessary to power back up to rotate the main pulley to make the drilling easier.

5. Install the accelerometer cable. Leave about one foot of cable for later connection to the accelerometer. The cable gets routed up through the two clamps, then make a loop to allow for machine movement. After the loop route the cable down the inside of the top beam to the left then back to the location of the control box. Tyrap the new cable to existing cables. Attach the proximity switch cable and route it up the control box. Leave sufficient slack to accommodate for the machines movement and use tyrap to secure the cable. Bring the proximity switch cable and the accelerometer cable both into the black strain relief connector provided. This connector goes into one of the knockout holes that will go into the control box.
6. Measure the length for the 1/2" sealtite conduit going from the machine's low voltage box to the electronic balance control box. Peel the black cover off the 18-conductor cable provided and feed it into the conduit. There should be an unused 1/2" knockout in the top right corner of the low voltage box. Leave the wires long and cut the unused ones later. Five wires will be used plus the larger green wire for AC ground.
7. Now install the E-balance control box. Use the 1/4" hardware provided. From the inside install the bolts through the 5/16" holes drilled in step 3. Loosely put the regular nuts on the bolts, this will give the required spacing off the machine. Mount the box, bringing the control cables through the large hole. Once the box is on the bolts, start tightening the lock nuts. Tighten up the regular nuts and then the lock nuts.
8. The connections in the E-balance control box are as follows:  
NOTE: also refer to the table

**CONNECT THE FOLLOWING TO THE COPPER BUS BAR:**

- a) The yellow with green safety ground from the commutator cable.
- b) The shield from the accelerometer cable.
- c) The larger green wire in the 18-conductor cable.

**CONNECT THE FOLLOWING TO TERMINAL STRIP TBA**

- a) Balance valve wires EB1, EB2 and EB3 to terminal A, B and C.
- b) Connect terminal D to wire #1 of the 18-conductor cable.
- c) Connect terminal E to wire #2 of the 18-conductor cable.
- d) Connect terminal F to wire BS4 that is in commutator cable with the balance valve wires.
- e) Connect terminal H to wire #3 of the 18-conductor cable.
- f) Connect terminal J to wire #4 of the 18-conductor cable.
- g) Connect terminal K to wire #5 of the 18-conductor cable.

## CONNECT THE FOLLOWING TO TERMINAL STRIP TBB

- a) Connect terminal 1 to the brown wire of the proximity switch cable.
- b) Connect terminal 2 to the black wire of the proximity switch cable.
- c) Connect terminal 3 to the blue wire of the proximity switch cable.

## CONNECT THE FOLLOWING TO TERMINAL STRIP TBC

- a) Connect terminal 1 to the red wire from the accelerometer cable.
- b) Connect terminal 2 to the white/clear wire from the accelerometer cable.
- c) Connect terminal 3 to the black wire from the accelerometer cable.

9. Remove the four screws that hold the existing balance valve light panel to the machine and make the following wiring changes:
  - a) Plug WCAR wires go to the old balance sensing unit switches.
  - b) Remove wires BS1 and BS4 from plug WCAP and connect together, this is now the ground side connection of the light.
  - c) Remove the ground from the balance sensing light.
  - d) Remove BS7 from WCAP and connect to the balance sensing light, this will now be the power feed to the light.
  - e) The **balance sensing light** now becomes the **balance excursion light** with the new system.
10. The connections in the machine low voltage box are as follows:
  - a) Connect the larger green wire in the cable, from the balance box, to a copper bus bar.
  - b) Connect kit wire #1 to 1HV found on machine TBR-A.
  - c) Locate machine 1MTA13-5 (machine wire BS7), cut this wire and attach kit wire #2 to 1MTA13-5.
  - d) Machine wire BS7 needs to be connected to the machine wire that runs from 1MTA13-4 to 1MTA13-9, this will now be the power feed to the **balance excursion light**.
  - e) Machine wire B47 coming from 1MTA13-6 runs up to a terminal on the machine terminal strip TBS-F for Mark I machines, TBR-F or TBR-G for Mark II machines. This wire now needs to go to ground. Find a ground terminal and put it on there. Mark I is TBR-K, Mark II is TBR-L.
  - f) Connect machine wire #4 to this same ground terminal (2G).
  - g) On Mark I machine wires RC4 and RB4 can be found in machine plug WCP, located next to the power supply. On Mark II you have to run a piece of the four conductor cable from the processor box to the low voltage box to make these connections. For kit wire #3 (RC4) make sure that when you connect to this that you disconnect the old wire that goes out to the old machine coarse balance switch. For wire #5 (RB4) this is a paralleled connection so make sure there is still a connection out to the machine excursion switch.
11. The accelerometer should be mounted back on its base bracket. Connect the accelerometer to the four-conductor cable previously installed. Use white caps to make the connections. Match the colors, use clear for white. The green wire is not used. The accelerometer wires are very small, use care when stripping the insulation. The connections should be under the accelerometer cover when finished.
12. The system is now hooked up and calibration of the accelerometer is required. NOTE: See the “information on electronic balancing” sheet for a more detailed explanation. Adjust the

accelerometer to point the arrow towards the floor, this will give the lowest return voltage. The accelerometer return voltage can be read on kit terminal strip TBC-2 and TBC-3. The machine needs only to have the master switch on to read this voltage. Initially set the voltage at 2.25 volts DC, this will give the minimum sensitivity. Run a test with the test weight. A test weight of 15% machine capacity (60lbs. on 64042) is required for this. Rolled up mats or a bag of linen works well for this. The machines balancing system has the capability of balancing this much weight. When the machine has finished balancing hold a felt tip marker steady against the front of the machine in the middle of the door. This will produce an excursion circle. As the machines balancing sensitivity increases the excursion circle will decrease.

To change the setting, stop the machine, with the machine on, read the return voltage and make the adjustment at the accelerometer bracket. Adjust the accelerometer to point the arrow away from the floor to increase the voltage and sensitivity. Increase voltage by increments of .03 volts DC at a time. Each time running a test to see what size the circle is. The best setting is 3/32" circle, do not over sensitize the system because the machine will over balance and cause problems. It is better to be on the under sensitive side. At 2.5 volts DC the system is at its maximum sensitivity for sensing left to right G-force and the arrow on the accelerometer will be horizontal. The main board in the balance control box requires software. Two different software versions are included in the kit.

Version 93A00 should be used without the two-speed E1 kit installed. Version 93A00 continues to balance in E2. On some machines, depending on how worn the main bearings are, as the machine accelerates from E1 to E2 the balance system senses a resonant frequency which can cause it to activate balance valves and/or machine inputs, "balance excursion or machine excursion". This can increase out of balance and cause unnecessary recycling. If this occurs then the other software can be used or add a relay to disable balancing in E2.

If you are also installing the two-speed E1 kit then version 93A01X2 is recommended. This version disables balancing in E2. On some machines it may work better if software 93A00 is used along with a time delay relay to disable balancing 30 to 60 seconds after the beginning of E2. On some machines a better balance is achieved if balance is enabled in E2. The time delay stops balancing because by this time the rib is flooded with water.

In either case if a relay is to be added, use an unused relay base or add the flush mount base. The coil of this relay should be wired to 1MTA13-8, this is the E2 contactor coil. Use a normally closed contact to break the feed from machine 1MTA13-5 to kit wire #2, which feeds balance control box TBA-E. This will disable balancing when the relay energizes.

# ELECTRONIC BALANCE BOX CONNECTION

## TERMINAL STRIP TBA

PIN	MACHINE CONNECTION	E-BAL MTA #	DESCRIPTION
A	EB1	MTA85-10	BALANCE VALVE #1
B	EB2	MTA85-9	BALANCE VALVE #2
C	EB3	MTA85-8	BALANCE VALVE #3
D	1HV	MTA85-7	120 VOLTS POWER FEED FOR POWER SUPPLY & BALANCE VALVES.
E	1MTA13-5	MTA82-3	MACHINES GROUND SIGNAL TO ENABLE E-BALANCE
F	BS4	MTA85-3	GROUND FOR BALANCE OK LIGHT
G	2F		AC VOLTAGE GROUND
H	RC4	MTA85-1	GROUND FOR MACHINE COURSE BALANCE INPUT
J	2G	MTA81-9, MTA85-2 & MTA85-5	DC VOLTAGE GROUND
K	RB4	MTA85-6	GROUND FOR MACHINE EXCURSION INPUT
L			
M			
N			

## TERMINAL STRIP TBB

PIN	WIRE #/COLOR	E-BAL MTA	DESCRIPTION
1	V2/BRN	MTA82-5	12V DC FOR PROXIMITY SWITCH
2	824/BLK	MTA82-4	SIGNAL FOR PROXIMITY SWITCH
3	2G/BL	MTA82-6	GROUND FOR PROXIMITY SWITCH

## TERMINAL STRIP TBC

PIN	WIRE #/COLOR	E-BAL MTA	DESCRIPTION
1	V2/RED	MTA86-10	12V DC FOR ACCELEROMETER
2	864/WHITE	MTA86-4	RETURN SIGNAL FROM ACCELEROMETER
3	2H/BLK	MTA86-5	GROUND FOR ACCELEROMETER

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
V1	1MT11 4	BWD09	LOW VOLTAGE CONTROL BOX	
V1	1MT31 3	BWD04	PROCESSOR CONTROL BOX	
V1	1MT31 4	BWD04	PROCESSOR CONTROL BOX	
V1	1MT41 4	BWD09	LOW VOLTAGE CONTROL BOX	
V1	1MT51 4	BWD09	LOW VOLTAGE CONTROL BOX	
V1	1MTA1 4	BWD03	LOW VOLTAGE CONTROL BOX	
V1	1MTD 1	BWD02	LOW VOLTAGE CONTROL BOX	
V1	2MT11 4	BWD09	LOW VOLTAGE CONTROL BOX	
V1	TBP 1	BWD03	LOW VOLTAGE CONTROL BOX	
V1	WCD 8		PROCESSOR CONTROL BOX	
V1	WCP 5		LOW VOLTAGE & PROCESSOR C/BOX	
V2	1MT11 6	BWD10	LOW VOLTAGE CONTROL BOX	
V2	1MT31 6	BWD04	PROCESSOR CONTROL BOX	
V2	1MT41 1	BWD09	LOW VOLTAGE CONTROL BOX	
V2	1MT41 6	BWD10	LOW VOLTAGE CONTROL BOX	
V2	1MT51 6	BWD10	LOW VOLTAGE CONTROL BOX	
V2	1MTA1 6	BWD03	LOW VOLTAGE CONTROL BOX	
V2	1MTD 5	BWD02	LOW VOLTAGE CONTROL BOX	
V2	2MT11 6	BWD10	LOW VOLTAGE CONTROL BOX	
V2	2MT31 1	BWD05	PROCESSOR CONTROL BOX	
V2	2MT31 1	BWD06	PROCESSOR CONTROL BOX	
V2	2MT41 1	BWD09	PROCESSOR CONTROL BOX	
V2	TBP 2	BWD03	LOW VOLTAGE CONTROL BOX	
V2	WCP 4		LOW VOLTAGE & PROCESSOR C/BOX	
V3	1MT11 8	BWD11	LOW VOLTAGE CONTROL BOX	
V3	1MT31 8	BWD04	PROCESSOR CONTROL BOX	
V3	1MT41 8	BWD11	LOW VOLTAGE CONTROL BOX	
V3	1MT51 8	BWD11	LOW VOLTAGE CONTROL BOX	
V3	1MTA1 8	BWD02	LOW VOLTAGE CONTROL BOX	
V3	1MTD 8	BWD02	LOW VOLTAGE CONTROL BOX	
V3	2MT11 8	BWD11	LOW VOLTAGE CONTROL BOX	
V3	TBP 3	BWD02	LOW VOLTAGE CONTROL BOX	
V3	WCP 3		LOW VOLTAGE & PROCESSOR C/BOX	
1HC	CRC01 7	CPA01	INTERPRET RELAY BOX	5A1
1HC	CRC02 7	CPA02	INTERPRET RELAY BOX	5A2
1HC	CRC03 7	CPA03	INTERPRET RELAY BOX	5A3
1HC	CRC04 7	CPA04	INTERPRET RELAY BOX	5A4
1HC	CRC05 7	CPA05	INTERPRET RELAY BOX	5A5
1HC	CRC06 7	CPA06	INTERPRET RELAY BOX	5B1



Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code	
1HC	CRC07	7	CPA07	INTERPRET RELAY BOX	5B2
1HC	CRC08	7	CPA08	INTERPRET RELAY BOX	5B3
1HC	CRC09	7	CPA09	INTERPRET RELAY BOX	5B4
1HC	CRC10	7	CPA10	INTERPRET RELAY BOX	5B5
1HC	CRC11	7	CPA11	INTERPRET RELAY BOX	5C1
1HC	CRC12	7	CPA12	INTERPRET RELAY BOX	5C2
1HC	CRC13	7	CPA13	INTERPRET RELAY BOX	5C3
1HC	CRC14	7	CPA14	INTERPRET RELAY BOX	5C4
1HC	CRC15	7	CPA15	INTERPRET RELAY BOX	5C5
1HC	TBB	R	CPA01	INTERPRET RELAY BOX	
1HC	WCL	17		INTERPRET RELAY BOX	
1HC	WCP	2		INTERPRET RELAY BOX	
1HC	WCS	6		INTERPRET RELAY BOX	
1HF	CLPP	4	SPE01	LOW VOLTAGE CONTROL BOX	1B6P
1HF	EF37	1	PSB**	HIGH VOLTAGE CONTROL BOX	
1HF	SHSMA	8	SPE04	SWITCH PANEL	
1HF	TBR	E	SPE02	LOW VOLTAGE CONTROL BOX	
1HF	WCJ	20		LOW VOLTAGE CONTROL BOX	
1HF	WCM	10		SWITCH PANEL	
1HF	WCR	29		LOW VOLTAGE CONTROL BOX	
1HV	1MT14	4	S+E04	LOW VOLTAGE CONTROL BOX	
1HV	1MT16	2	SPE15	LOW VOLTAGE CONTROL BOX	
1HV	1MT16	3	SPE04	LOW VOLTAGE CONTROL BOX	
1HV	1MTA5	4	MCE13	LOW VOLTAGE CONTROL BOX	
1HV	1MTP	5	BWD01	LOW VOLTAGE CONTROL BOX	
1HV	CDWA	7	MCE09	LOW VOLTAGE CONTROL BOX	1B2M
1HV	CDWA	9	EVE00	LOW VOLTAGE CONTROL BOX	1B2M
1HV	CDWC	7	MCE09	LOW VOLTAGE CONTROL BOX	1A2M
1HV	CDWC	9	EVE00	LOW VOLTAGE CONTROL BOX	1A2M
1HV	CRDL	8	SPE12	LOW VOLTAGE CONTROL BOX	1B3P
1HV	CRHDE	7	RFE02	TILT CONTROL BOX	2A4H
1HV	CRHFD	4	RFE08	TILT CONTROL BOX	2C2H
1HV	CRHFD	5	RFE14	TILT CONTROL BOX	2C2H
1HV	CRHFD	6	RFE10	TILT CONTROL BOX	2C2H
1HV	CRHFU	4	RFE06	TILT CONTROL BOX	2C3H
1HV	CRHFU	5	RFE09	TILT CONTROL BOX	2C3H
1HV	CRHFU	6	RFE16	TILT CONTROL BOX	2C3H
1HV	CRHRD	4	RFE07	TILT CONTROL BOX	2C4H
1HV	CRHRD	5	RFE13	TILT CONTROL BOX	2C4H
1HV	CRHRD	6	RFE12	TILT CONTROL BOX	2C4H

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
1HV	CRHRU 4	RFE05	TILT CONTROL BOX	2C5H
1HV	CRHRU 5	RFE11	TILT CONTROL BOX	2C5H
1HV	CRHRU 6	RFE15	TILT CONTROL BOX	2C5H
1HV	CRS+S 9	SPE02	HIGH VOLTAGE CONTROL BOX	3A1S
1HV	CRSP 8	SPE13	LOW VOLTAGE CONTROL BOX	1A4S
1HV	CRWFD 9	RGE17	TILT CONTROL BOX	2B3H
1HV	CRWFE 9	RGE15	TILT CONTROL BOX	2B4H
1HV	CRWRD 9	RGE14	TILT CONTROL BOX	2A1H
1HV	CRWRF 9	RGE16	TILT CONTROL BOX	2A3H
1HV	CSE1R K	SPE14	HIGH VOLTAGE CONTROL BOX	
1HV	EMCF A	VPB02	VARIABLE SPEED CONTROL BOX	
1HV	ETDB V	VPB03	VARIABLE SPEED CONTROL BOX	
1HV	SHSMA 2	SPE04	SWITCH PANEL	
1HV	SHSOE 7	S+E03	SWITCH PANEL	
1HV	SHWCF 7	CFB01	MOUNTED ON MACHINE	
1HV	SMFDR 7	RGE03	MOUNTED ON MACHINE	
1HV	SMRDR 7	RGE06	MOUNTED ON MACHINE	
1HV	TBPV 5	VPB01	VARIABLE SPEED CONTROL BOX	
1HV	TBR A	S+E03	LOW VOLTAGE CONTROL BOX	
1HV	TBR A	SPE08	LOW VOLTAGE CONTROL BOX	
1HV	TBR B	SPE09	LOW VOLTAGE CONTROL BOX	
1HV	TBR C	SPE10	LOW VOLTAGE CONTROL BOX	
1HV	TBV 18	VPB04	VARIABLE SPEED CONTROL BOX	
1HV	WC1 8		TILT CONTROL BOX	
1HV	WC3 9		TILT CONTROL BOX	
1HV	WCH 12		HIGH VOLTAGE CONTROL BOX	
1HV	WCJ 21		LOW VOLTAGE CONTROL BOX	
1HV	WCM 11		SWITCH PANEL	
1HV	WCR 12		LOW VOLTAGE CONTROL BOX	
1HV	WCR 20		LOW VOLTAGE CONTROL BOX	
1HV	WCR 34		LOW VOLTAGE CONTROL BOX	
1HV	WCS 7		HIGH VOLTAGE CONTROL BOX	
1HV	WCW 9		TILT SWITCH PANEL	
2F	1MTP 1	BWD00	LOW VOLTAGE CONTROL BOX	
2F	1MTP 3	BWD00	LOW VOLTAGE CONTROL BOX	
2F	CDBP B	MCE04	LOW VOLTAGE CONTROL BOX	1A1M
2F	CDEXN B	SPE14	LOW VOLTAGE CONTROL BOX	1A5S
2F	CDHEX B	RGE00	TILT CONTROL BOX	2B2H
2F	CDVS B	VPB04	VARIABLE SPEED CONTROL BOX	
2F	CDWA B	S+E13	LOW VOLTAGE CONTROL BOX	1B2M
2F	CDWC B	S+E11	LOW VOLTAGE CONTROL BOX	1A2M

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code	
2F	CLPP	8	S+E08	LOW VOLTAGE CONTROL BOX	1B6P
2F	CLPP	B	S+E02	LOW VOLTAGE CONTROL BOX	1B6P
2F	CRC01	B	CPA01	INTERPRET RELAY BOX	5A1
2F	CRC02	B	CPA02	INTERPRET RELAY BOX	5A2
2F	CRC03	B	CPA03	INTERPRET RELAY BOX	5A3
2F	CRC04	B	CPA04	INTERPRET RELAY BOX	5A4
2F	CRC05	B	CPA05	INTERPRET RELAY BOX	5A5
2F	CRC06	B	CPA06	INTERPRET RELAY BOX	5B1
2F	CRC07	B	CPA07	INTERPRET RELAY BOX	5B2
2F	CRC08	B	CPA08	INTERPRET RELAY BOX	5B3
2F	CRC09	B	CPA09	INTERPRET RELAY BOX	5B4
2F	CRC10	B	CPA10	INTERPRET RELAY BOX	5B5
2F	CRC11	B	CPA11	INTERPRET RELAY BOX	5C1
2F	CRC12	B	CPA12	INTERPRET RELAY BOX	5C2
2F	CRC13	B	CPA13	INTERPRET RELAY BOX	5C3
2F	CRC14	B	CPA14	INTERPRET RELAY BOX	5C4
2F	CRC15	B	CPA15	INTERPRET RELAY BOX	5C5
2F	CRDL	B	S+E09	LOW VOLTAGE CONTROL BOX	1B3P
2F	CRHDC	B	RFE04	TILT CONTROL BOX	2A5H
2F	CRHDE	B	RGE05	TILT CONTROL BOX	2A4H
2F	CRHEX	B	RGE01	TILT CONTROL BOX	2C1H
2F	CRHFD	B	RGE10	TILT CONTROL BOX	2C2H
2F	CRHFU	B	RGE09	TILT CONTROL BOX	2C3H
2F	CRHRD	B	RGE11	TILT CONTROL BOX	2C4H
2F	CRHRU	B	RGE12	TILT CONTROL BOX	2C5H
2F	CRS+	B	S+E07	LOW VOLTAGE CONTROL BOX	1A6S
2F	CRS+S	B	S+E06	HIGH VOLTAGE CONTROL BOX	3A1S
2F	CRSP	B	SPE06	LOW VOLTAGE CONTROL BOX	1A4S
2F	CRSPA	B	SPE05	LOW VOLTAGE CONTROL BOX	1A3S
2F	CRSS	B	S+E15	LOW VOLTAGE CONTROL BOX	1B5S
2F	CRWAA	B	VPB06	VARIABLE SPEED CONTROL BOX	4A1
2F	CRWAC	B	VPB05	VARIABLE SPEED CONTROL BOX	4A2
2F	CRWFD	B	RGE03	TILT CONTROL BOX	2B3H
2F	CRWFE	B	RGE02	TILT CONTROL BOX	2B4H
2F	CRWFF	B	RGE01	TILT CONTROL BOX	2B5H
2F	CRWFG	B	RGE04	LOW VOLTAGE CONTROL BOX	1B1H
2F	CRWRD	B	RGE06	TILT CONTROL BOX	2A1H
2F	CRWRE	B	RGE07	TILT CONTROL BOX	2A2H
2F	CRWRF	B	RGE08	TILT CONTROL BOX	2A3H
2F	CRWRG	B	RGE06	LOW VOLTAGE CONTROL BOX	1B4S
2F	CSDR	B	MCE11	HIGH VOLTAGE CONTROL BOX	
2F	CSE1	B	MCE06	HIGH VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
2F	CSE2	B MCE07	HIGH VOLTAGE CONTROL BOX	
2F	CSHYP	B RFE05	TILT CONTROL BOX	
2F	CSVS	A VPB03	HIGH VOLTAGE CONTROL BOX	
2F	CSW2L	B MCE12	2SPD WASH CONTROL BOX	
2F	CSW2N	B MCE13	2SPD WASH CONTROL BOX	
2F	CSWAA	B MCE08	HIGH VOLTAGE CONTROL BOX	
2F	CSWAC	B MCE10	HIGH VOLTAGE CONTROL BOX	
2F	EBSG	B S+E04	SWITCH PANEL	
2F	ELEB1	B EBB03	BALANCE SENSING LIGHT PANEL	
2F	ELEB2	B EBB05	BALANCE SENSING LIGHT PANEL	
2F	ELEB3	B EBB07	BALANCE SENSING LIGHT PANEL	
2F	ELEBS	B EBB02	BALANCE SENSING LIGHT PANEL	
2F	ELSG	B S+E03	SWITCH PANEL	
2F	EMCF	B VPB02	VARIABLE SPEED CONTROL BOX	
2F	EX37	X* PSB**	HIGH VOLTAGE CONTROL BOX	
2F	TB1	1 CPA01	INTERPRET RELAY BOX	
2F	TB1	2 CPA02	INTERPRET RELAY BOX	
2F	TB1	3 CPA03	INTERPRET RELAY BOX	
2F	TB1	4 CPA04	INTERPRET RELAY BOX	
2F	TB1	A CPA00	INTERPRET RELAY BOX	
2F	TB2	1 PSB05	HIGH VOLTAGE CONTROL BOX	
2F	TB2	2 PSB06	HIGH VOLTAGE CONTROL BOX	
2F	TB2	3 PSB07	HIGH VOLTAGE CONTROL BOX	
2F	TB2	4 PSB07	HIGH VOLTAGE CONTROL BOX	
2F	TB2	5 PSB08	HIGH VOLTAGE CONTROL BOX	
2F	TB2	6 PSB09	HIGH VOLTAGE CONTROL BOX	
2F	TB2	7 PSB10	HIGH VOLTAGE CONTROL BOX	
2F	TB2	8 PSB10	HIGH VOLTAGE CONTROL BOX	
2F	TB2	8 PSB11	HIGH VOLTAGE CONTROL BOX	
2F	TB4	1 PSB06	LOW VOLTAGE CONTROL BOX	
2F	TB4	2 PSB07	LOW VOLTAGE CONTROL BOX	
2F	TB4	3 PSB09	LOW VOLTAGE CONTROL BOX	
2F	TB4	4 PSB10	LOW VOLTAGE CONTROL BOX	
2F	TB5	1 PSB05	HIGH VOLTAGE CONTROL BOX	
2F	TB5	1 PSB05	HIGH VOLTAGE CONTROL BOX	
2F	TB5	2 PSB06	HIGH VOLTAGE CONTROL BOX	
2F	TB5	3	HIGH VOLTAGE CONTROL BOX	
2F	TB5	5	HIGH VOLTAGE CONTROL BOX	
2F	TB5	6	HIGH VOLTAGE CONTROL BOX	
2F	TB6	1	LOW VOLTAGE CONTROL BOX	
2F	TB6	2	LOW VOLTAGE CONTROL BOX	
2F	TB6	3	LOW VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
2F	TB9	1	TILT CONTROL BOX	
2F	TB9	2	TILT CONTROL BOX	
2F	TBPV	7 VPB09	VARIABLE SPEED CONTROL BOX	
2F	TBR	J PSB05	LOW VOLTAGE CONTROL BOX	
2F	VEBP	B MCE03	AIR VALVE ASSEMBLY	
2F	VEC01	B CFB02	MOUNTED ON MACHINE	
2F	VEC02	B CFB03	MOUNTED ON MACHINE	
2F	VEC03	B CFB04	MOUNTED ON MACHINE	
2F	VEC04	B CFB05	MOUNTED ON MACHINE	
2F	VEC05	B CFB06	MOUNTED ON MACHINE	
2F	VEDRR	B EVE07	AIR VALVE ASSEMBLY	
2F	VEDRS	B EVE06	AIR VALVE ASSEMBLY	
2F	VEEB1	B EBB04	MOUNTED ON MACHINE	
2F	VEEB2	B EBB06	MOUNTED ON MACHINE	
2F	VEEB3	B EBB08	MOUNTED ON MACHINE	
2F	VEHDC	B RFE02	AIR VALVE ASSEMBLY	
2F	VEHDL	B SPE11	AIR VALVE ASSEMBLY	
2F	VEHDO	B RFE06	AIR VALVE ASSEMBLY	
2F	VEHTD	B RFE13	MOUNTED ON MACHINE	
2F	VEHTF	B RFE09	MOUNTED ON MACHINE	
2F	VEHTR	B RFE11	MOUNTED ON MACHINE	
2F	VEHTU	B RFE15	MOUNTED ON MACHINE	
2F	VEPL	B SPE12	AIR VALVE ASSEMBLY	
2F	VEPP0	B SPE02	AIR VALVE ASSEMBLY	
2F	VERSR	B RGE14	AIR VALVE ASSEMBLY	
2F	VESC	B CFB01	MOUNTED ON MACHINE	
2F	VESTM	B EVE05	AIR VALVE ASSEMBLY	
2F	VETCW	B EVE08	LEFT AIR VALVE ASSEMBLY	
2F	VETPB	B RGE16	AIR VALVE ASSEMBLY	
2F	VETPD	B RGE15	AIR VALVE ASSEMBLY	
2F	VETPF	B RGE17	AIR VALVE ASSEMBLY	
2F	VEWBR	B EVE01	AIR VALVE ASSEMBLY	
2F	VEWCL	B SPE04	AIR VALVE ASSEMBLY	
2F	VEWPD	B SPE15	AIR VALVE ASSEMBLY	
2F	VEWVC	B EVE03	AIR VALVE ASSEMBLY	
2F	VEWVH	B EVE02	AIR VALVE ASSEMBLY	
2F	VEWVX	B EVE04	AIR VALVE ASSEMBLY	
2F	WC1	1	TILT CONTROL BOX	
2F	WC2	1	TILT CONTROL BOX	
2F	WC5	1	TILT CONTROL BOX	
2F	WCC	1	BALANCE SENSING LIGHT PANEL	
2F	WCH	6	HIGH VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
2F	WCJ 2		LOW VOLTAGE CONTROL BOX	
2F	WCL 18		INTERPRET RELAY BOX	
2F	WCM 2		SWITCH PANEL	
2F	WCP 3		LOW VOLTAGE CONTROL BOX	
2F	WCQ 14		AIR VALVE ASSEMBLY	
2F	WCR 30		LOW VOLTAGE CONTROL BOX	
2F	WCS 7		INTERPRET RELAY BOX	
2F	WCV 14		LOW VOLTAGE CONTROL BOX	
2F	WCX 4		HIGH VOLTAGE CONTROL BOX	
2G	1MT11 10	BWD12	LOW VOLTAGE CONTROL BOX	
2G	1MT31 10	BWD04	PROCESSOR CONTROL BOX	
2G	1MT41 10	BWD12	LOW VOLTAGE CONTROL BOX	
2G	1MT51 10	BWD12	LOW VOLTAGE CONTROL BOX	
2G	1MT56 8	BWD12	LOW VOLTAGE CONTROL BOX	
2G	1MT57 8	BWD14	LOW VOLTAGE CONTROL BOX	
2G	1MTA1 10	BWD01	LOW VOLTAGE CONTROL BOX	
2G	1MTD 3	BWD02	LOW VOLTAGE CONTROL BOX	
2G	1MTD 4	BWD02	LOW VOLTAGE CONTROL BOX	
2G	2MT11 10	BWD12	LOW VOLTAGE CONTROL BOX	
2G	2MT31 2	BWD06	PROCESSOR CONTROL BOX	
2G	2MT41 2	BWD09	PROCESSOR CONTROL BOX	
2G	CLPP 9	SI207	LOW VOLTAGE CONTROL BOX	1B6P
2G	CREXA 7	EAB04	LOW VOLTAGE CONTROL BOX	5A1E
2G	CRS+ 8	SI105	LOW VOLTAGE CONTROL BOX	1A6S
2G	CRSPA 7	SI104	LOW VOLTAGE CONTROL BOX	1A3S
2G	CRWFG 9	SI204	LOW VOLTAGE CONTROL BOX	1B1H
2G	CRWRG 8	SI206	LOW VOLTAGE CONTROL BOX	
2G	ETDR V	SI202	HIGH VOLTAGE CONTROL BOX	
2G	ETE1 V	SI201	HIGH VOLTAGE CONTROL BOX	
2G	ETE2 V	SI109	HIGH VOLTAGE CONTROL BOX	
2G	ETWA V	SI203	HIGH VOLTAGE CONTROL BOX	
2G	SHEAK 7	EAB03	LOW VOLTAGE CONTROL BOX	
2G	SHSG 7	SI111	SWITCH PANEL	
2G	SKPR 7	SI112	SWITCH PANEL	
2G	SLLL3 7	SI108	MOUNTED ON MACHINE	
2G	SLLLL 7	SI107	MOUNTED ON MACHINE	
2G	SMERB 7	SI103	MOUNTED ON MACHINE	
2G	SMERC 7	SI102	MOUNTED ON MACHINE	
2G	SPBR 7	SI110	AIR VALVE ASSEMBLY	
2G	SPLL1 7	SI106	MOUNTED ON MACHINE	
2G	SPTLT 7	SI205	LOW VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
2G	TB1	1	BWD00	LOW VOLTAGE CONTROL BOX
2G	TB1	2	BWD00	LOW VOLTAGE CONTROL BOX
2G	TB1	3	BWD00	LOW VOLTAGE CONTROL BOX
2G	TB1	4	BWD00	LOW VOLTAGE CONTROL BOX
2G	TB1	5	BWD00	LOW VOLTAGE CONTROL BOX
2G	TB1	6	BWD00	LOW VOLTAGE CONTROL BOX
2G	TB3	1	SI106	LOW VOLTAGE CONTROL BOX
2G	TB3	2	SI107	LOW VOLTAGE CONTROL BOX
2G	TB3	3	SI108	LOW VOLTAGE CONTROL BOX
2G	TB3	4	SI109	LOW VOLTAGE CONTROL BOX
2G	TBP	6	SI104	LOW VOLTAGE CONTROL BOX
2G	TBR	L	SI104	LOW VOLTAGE CONTROL BOX
2G	WCB	4		MOUNTED ON MACHINE
2G	WCD	6		PROCESSOR CONTROL BOX
2G	WCD	9		PROCESSOR CONTROL BOX
2G	WCJ	26		LOW VOLTAGE CONTROL BOX
2G	WCJ	35		LOW VOLTAGE CONTROL BOX
2G	WCP	6		LOW VOLTAGE & PROCESSOR C/BOX
2G	WCQ	27		AIR VALVE ASSEMBLY
2G	WCV	27		LOW VOLTAGE CONTROL BOX
2G	WCX	36		PROCESSOR C/BOX & SW PNL
2G	WCX	36		SWITCH PANEL
2G	WCZ	5		LOW & HIGH VOLTAGE C/BOX
2LK	CSE1R	V	SPE14	HIGH VOLTAGE CONTROL BOX
2LK	CSE2L	K	SPE14	HIGH VOLTAGE CONTROL BOX
2LK	CSW2L	K	MCE13	2SPD WASH CONTROL BOX
2LK	CSW2N	A	MCE13	2SPD WASH CONTROL BOX
2NK	CSW2L	A	MCE12	2SPD WASH CONTROL BOX
2NK	CSW2N	K	MCE12	2SPD WASH CONTROL BOX
361	1MT36	1	1SD14	PROCESSOR CONTROL BOX
361	2MT36	7	1SD14	SWITCH PANEL
361	WCX	9		PROCESSOR C/BOX & SW PNL
362	1MT36	2	1SD13	PROCESSOR CONTROL BOX
362	2MT36	6	1SD13	SWITCH PANEL
362	WCX	10		PROCESSOR C/BOX & SW PNL
363	1MT36	3	1SD12	PROCESSOR CONTROL BOX
363	2MT37	9	1SD12	SWITCH PANEL

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
363	WCX 11		PROCESSOR C/BOX & SW PNL	
364	1MT36 4	1SD11	PROCESSOR CONTROL BOX	
364	2MT37 8	1SD11	SWITCH PANEL	
364	WCX 12		PROCESSOR C/BOX & SW PNL	
365	1MT36 5	1SD10	PROCESSOR CONTROL BOX	
365	2MT37 6	1SD10	SWITCH PANEL	
365	WCX 13		PROCESSOR C/BOX & SW PNL	
370	1MT37 10	1SD10	PROCESSOR CONTROL BOX	
370	2MT36 5	1SD10	SWITCH PANEL	
370	WCX 14		PROCESSOR C/BOX & SW PNL	
373	1MT37 3	1SD17	PROCESSOR CONTROL BOX	
373	2MT36 3	1SD17	SWITCH PANEL	
373	WCX 15		PROCESSOR C/BOX & SW PNL	
374	1MT37 4	1SD16	PROCESSOR CONTROL BOX	
374	2MT37 2	1SD16	SWITCH PANEL	
374	WCX 16		PROCESSOR CONTROL BOX	
375	1MT37 5	1SD15	PROCESSOR CONTROL BOX	
375	2MT37 3	1SD15	SWITCH PANEL	
375	WCX 17		PROCESSOR C/BOX & SW PNL	
376	1MT37 6	1SD14	PROCESSOR CONTROL BOX	
376	2MT37 2	1SD14	SWITCH PANEL	
376	WCX 18		PROCESSOR C/BOX & SW PNL	
377	1MT37 7	1SD13	PROCESSOR CONTROL BOX	
377	2MT37 7	1SD13	SWITCH PANEL	
377	WCX 19		PROCESSOR C/BOX & SW PNL	
378	1MT37 8	1SD12	PROCESSOR CONTROL BOX	
378	2MT37 4	1SD12	SWITCH PANEL	
378	WCX 20		PROCESSOR C/BOX & SW PNL	
379	1MT37 9	1SD11	PROCESSOR CONTROL BOX	
379	2MT37 5	1SD11	SWITCH PANEL	
379	WCX 21		PROCESSOR C/BOX & SW PNL	



Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
504	CSE2 4	MTA12	HIGH VOLTAGE CONTROL BOX	
504	ETE2 7	MTA12	HIGH VOLTAGE CONTROL BOX	
505	CSE2 5	MTA12	HIGH VOLTAGE CONTROL BOX	
505	ETE2 8	MTA12	HIGH VOLTAGE CONTROL BOX	
506	CSE2 6	MTA13	HIGH VOLTAGE CONTROL BOX	
506	ETE2 9	MTA13	HIGH VOLTAGE CONTROL BOX	
563	1MT56 3	BWD12	LOW VOLTAGE CONTROL BOX	
563	1MT57 3	BWD13	LOW VOLTAGE CONTROL BOX	
566	1MT56 6	BWD12	LOW VOLTAGE CONTROL BOX	
566	1MT57 6	BWD14	LOW VOLTAGE CONTROL BOX	
601	CSV5 7	VPB12	HIGH VOLTAGE CONTROL BOX	6A3
601	CSWAA 7	MTA07	HIGH VOLTAGE CONTROL BOX	
601	CSWAC 7	MTA07	HIGH VOLTAGE CONTROL BOX	
601	EF1 1	MTA07	HIGH VOLTAGE CONTROL BOX	
602	CSV5 8	VPB13	HIGH VOLTAGE CONTROL BOX	6A3
602	CSWAA 8	MTA07	HIGH VOLTAGE CONTROL BOX	
602	CSWAC 8	MTA07	HIGH VOLTAGE CONTROL BOX	
602	EF1 2	MTA07	HIGH VOLTAGE CONTROL BOX	
603	CSV5 9	VPB14	HIGH VOLTAGE CONTROL BOX	6A3
603	CSWAA 8	MTA07	HIGH VOLTAGE CONTROL BOX	
603	CSWAC 8	MTA07	HIGH VOLTAGE CONTROL BOX	
603	EF1 3	MTA07	HIGH VOLTAGE CONTROL BOX	
604	CSWAA 4	MTA07	HIGH VOLTAGE CONTROL BOX	
604	CSWAC 4	MTA07	HIGH VOLTAGE CONTROL BOX	
604	ETWA 7	MTA07	HIGH VOLTAGE CONTROL BOX	
604	ETWA 7	VPB12	HIGH VOLTAGE CONTROL BOX	
604	TBV U	VPB12	VARIABLE SPEED CONTROL BOX	
605	CSWAA 4	MTA07	HIGH VOLTAGE CONTROL BOX	
605	CSWAC 6	MTA07	HIGH VOLTAGE CONTROL BOX	
605	ETWA 8	MTA07	HIGH VOLTAGE CONTROL BOX	
605	ETWA 8	VPB13	HIGH VOLTAGE CONTROL BOX	
605	TBV V	VPB13	VARIABLE SPEED CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
606	CSWAA 5	MTA08	HIGH VOLTAGE CONTROL BOX	
606	CSWAC 5	MTA08	HIGH VOLTAGE CONTROL BOX	
606	ETWA 9	MTA08	HIGH VOLTAGE CONTROL BOX	
606	ETWA 9	VPB14	HIGH VOLTAGE CONTROL BOX	
606	TBV W	VPB14	VARIABLE SPEED CONTROL BOX	
607	CSVS 4	VPB12	HIGH VOLTAGE CONTROL BOX	
607	TBV R	VPB12	VARIABLE SPEED CONTROL BOX	
608	CSVS 5	VPB13	HIGH VOLTAGE CONTROL BOX	
608	TBV S	VPB13	VARIABLE SPEED CONTROL BOX	
609	CSVS 6	VPB14	HIGH VOLTAGE CONTROL BOX	
609	TBV T	VPB14	VARIABLE SPEED CONTROL BOX	
701	CSE1 7	MTA03	HIGH VOLTAGE CONTROL BOX	
701	EF2 1	MTA03	HIGH VOLTAGE CONTROL BOX	
702	CSE1 8	MTA04	HIGH VOLTAGE CONTROL BOX	
702	EF2 2	MTA04	HIGH VOLTAGE CONTROL BOX	
703	CSE1 9	MTA05	HIGH VOLTAGE CONTROL BOX	
703	EF2 3	MTA05	HIGH VOLTAGE CONTROL BOX	
704	CSE1 4	MTA03	HIGH VOLTAGE CONTROL BOX	
704	ETE1 7	MTA03	HIGH VOLTAGE CONTROL BOX	
705	CSE1 5	MTA04	HIGH VOLTAGE CONTROL BOX	
705	ETE1 8	MTA04	HIGH VOLTAGE CONTROL BOX	
706	CSE1 6	MTA05	HIGH VOLTAGE CONTROL BOX	
706	ETE1 9	MTA05	HIGH VOLTAGE CONTROL BOX	
717	EF37 7	PSB**	HIGH VOLTAGE CONTROL BOX	
717	EX37 X*	PSB**	HIGH VOLTAGE CONTROL BOX	
801	CSDR 7	MTA00	HIGH VOLTAGE CONTROL BOX	
801	EF3 1	MTA00	HIGH VOLTAGE CONTROL BOX	
802	CSDR 8	MTA00	HIGH VOLTAGE CONTROL BOX	
802	EF3 2	MTA00	HIGH VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
803	CSDR 9	MTA01	HIGH VOLTAGE CONTROL BOX	
803	EF3 3	MTA01	HIGH VOLTAGE CONTROL BOX	
804	CSDR 4	MTA00	HIGH VOLTAGE CONTROL BOX	
804	ETDR 7	MTA00	HIGH VOLTAGE CONTROL BOX	
805	CSDR 5	MTA00	HIGH VOLTAGE CONTROL BOX	
805	ETDR 8	MTA00	HIGH VOLTAGE CONTROL BOX	
806	CSDR 6	MTA01	HIGH VOLTAGE CONTROL BOX	
806	ETDR 9	MTA01	HIGH VOLTAGE CONTROL BOX	
901	CSHYP 7	MTA00	TILT CONTROL BOX	
901	EF4 3	MTA00	TILT CONTROL BOX	
902	CSHYP 8	MTA00	TILT CONTROL BOX	
902	EF4 2	MTA00	TILT CONTROL BOX	
903	CSHYP 9	MTA00	TILT CONTROL BOX	
903	EF4 1	MTA00	TILT CONTROL BOX	
904	CSHYP 4	MTA01	TILT CONTROL BOX	
904	ETHYP 7	MTA01	TILT CONTROL BOX	
905	CSHYP 5	MTA01	TILT CONTROL BOX	
905	ETHYP 8	MTA01	TILT CONTROL BOX	
906	CSHYP 6	MTA02	TILT CONTROL BOX	
906	ETHYP 9	MTA02	TILT CONTROL BOX	
A11	WCV 21		LOW VOLTAGE CONTROL BOX	
A14	1MTA4 10	EAB04	LOW VOLTAGE CONTROL BOX	
A14	CREXA 4	EAB04	LOW VOLTAGE CONTROL BOX	5A1E
A14	CRWRD 4	S+E06	TILT CONTROL BOX	2A1H
A14	SHEAK 1	EAB03	LOW VOLTAGE CONTROL BOX	
A14	SMWVB 1	S+E06	HIGH VOLTAGE CONTROL BOX	
A14	WC1 10		TILT CONTROL BOX	
A14	WCH 14		HIGH VOLTAGE CONTROL BOX	
A14	WCP 1		LOW VOLTAGE & PROCESSOR C/BOX	
A16	2MT15 6	EAB07	LOW VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
A16	CRS+	1 EAB06	LOW VOLTAGE CONTROL BOX	1A6S
A16	TBA	C EAB07	LOW VOLTAGE CONTROL BOX	
A17	CRWFD	4 S+E06	TILT CONTROL BOX	2B3H
A17	CRWRD	7 S+E06	TILT CONTROL BOX	2A1H
A1A	2MT15	5 EAB07	LOW VOLTAGE CONTROL BOX	
A1A	CREXA	A EAB02	LOW VOLTAGE CONTROL BOX	5A1E
A1A	CRS+	7 EAB06	LOW VOLTAGE CONTROL BOX	1A6S
A1A	CRWRD	A RGE06	TILT CONTROL BOX	2A1H
A1A	CRWRE	A RGE07	TILT CONTROL BOX	2A2H
A1A	CRWRF	A RGE08	TILT CONTROL BOX	2A3H
A1A	CRWRG	A RGE05	LOW VOLTAGE CONTROL BOX	1B4H
A1A	SMRDL	4 RGE07	MOUNTED ON MACHINE	
A1A	TBA	A EAB08	LOW VOLTAGE CONTROL BOX	
A1A	WC1	13	TILT CONTROL BOX	
A1A	WC3	2	TILT CONTROL BOX	
A1A	WCH	36	HIGH VOLTAGE CONTROL BOX	
A1A	WCZ	6	LOW & HIGH VOLTAGE C/BOX	
A1B	CREXA	B EAB02	LOW VOLTAGE CONTROL BOX	5A1E
A1B	TBA	B EAB01	LOW VOLTAGE CONTROL BOX	
A22	CRDL	5 SPE12	LOW VOLTAGE CONTROL BOX	1B3P
A22	SPWDP	7 SPE12	MOUNTED ON MACHINE	
A22	WCQ	3	AIR VALVE ASSEMBLY	
A22	WCV	3	LOW VOLTAGE CONTROL BOX	
A24	CRWRE	4 RGE08	TILT CONTROL BOX	2A2H
A24	SMFU	1 RGE08	MOUNTED ON MACHINE	
A24	WC3	3	TILT CONTROL BOX	
A25	CRWFF	7 RGE10	TILT CONTROL BOX	2B5H
A25	CRWRE	5 RGE10	TILT CONTROL BOX	2A2H
A2A	CDWC	A S+E11	LOW VOLTAGE CONTROL BOX	1A2M
A2A	SHWJ	1 S+E12	TILT SWITCH PANEL	
A2A	WCJ	14	LOW VOLTAGE CONTROL BOX	
A2A	WCM	12	TILT SWITCH PANEL	
A33	CRWRF	3 RGE17	TILT CONTROL BOX	2A3H
A33	VETPB	A RGE17	AIR VALVE ASSEMBLY	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
A33	WC7 1		TILT CONTROL BOX	
A33	WCH 19		HIGH VOLTAGE CONTROL BOX	
A33	WCQ 19		AIR VALVE ASSEMBLY	
A33	WCV 19		LOW VOLTAGE CONTROL BOX	
A33	WCY 1		LOW & HIGH VOLTAGE C/BOX	
A34	1MTA3 1	SI104	LOW VOLTAGE CONTROL BOX	
A34	CRSPA 4	SI104	LOW VOLTAGE CONTROL BOX	1A3S
A37	CRHDC 4	RFE04	TILT CONTROL BOX	2A5H
A37	CRHDC A	RFE04	TILT CONTROL BOX	2A5H
A37	CRWRF 7	RFE02	TILT CONTROL BOX	2A3H
A37	VEHDC A	RFE02	AIR VALVE ASSEMBLY	
A37	WC2 7		TILT CONTROL BOX	
A39	CRDL 3	S+E04	LOW VOLTAGE CONTROL BOX	1B3P
A39	CRSPA 9	S+E04	LOW VOLTAGE CONTROL BOX	1A3S
A44	CRHDE 4	RFE02	TILT CONTROL BOX	2A4H
A44	SHWDO 7	RFE02	TILT SWITCH PANEL	
A44	WC4 3		TILT CONTROL BOX	
A44	WCW 6		TILT SWITCH PANEL	
A46	CRDL A	S+E08	LOW VOLTAGE CONTROL BOX	1B3P
A46	CRSP 6	S+E07	LOW VOLTAGE CONTROL BOX	1A4S
A46	CRSS 8	S+E10	LOW VOLTAGE CONTROL BOX	1B5S
A49	CRSP 9	S+E07	LOW VOLTAGE CONTROL BOX	1A4S
A49	SHDO 4	S+E06	SWITCH PANEL	
A49	SHDOH 4	S+E06	TILT SWITCH PANEL	
A49	WCH 2		HIGH VOLTAGE CONTROL BOX	
A49	WCJ 5		LOW VOLTAGE CONTROL BOX	
A49	WCM 5		SWITCH PANEL	
A49	WCR 2		LOW VOLTAGE CONTROL BOX	
A49	WCW 10		TILT SWITCH PANEL	
A4A	CRSP 4	SPE06	LOW VOLTAGE CONTROL BOX	1A4S
A4A	CRSP A	SPE06	LOW VOLTAGE CONTROL BOX	1A4S
A4A	CRSPA A	SPE05	LOW VOLTAGE CONTROL BOX	1A3S
A4A	SMSP 7	SPE04	MOUNTED ON MACHINE	
A4A	VEWCL A	SPE04	AIR VALVE ASSEMBLY	
A4A	WCQ 2		AIR VALVE ASSEMBLY	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
A4A	WCV 2		LOW VOLTAGE CONTROL BOX	
A54	CDEXN 4	SPE04	LOW VOLTAGE CONTROL BOX	1A5S
A54	CRSP 7	SPE06	LOW VOLTAGE CONTROL BOX	1A4S
A54	SMSP 1	SPE04	MOUNTED ON MACHINE	
A57	1MT16 4	SPE04	LOW VOLTAGE CONTROL BOX	
A57	CDEXN 7	SPE04	LOW VOLTAGE CONTROL BOX	1A5S
A5A	CDEXN A	SPE14	LOW VOLTAGE CONTROL BOX	1A5S
A5A	CRSP 5	SPE13	LOW VOLTAGE CONTROL BOX	1A4S
A5A	CSE2L V	SPE14	HIGH VOLTAGE CONTROL BOX	
A5A	WCR 28		LOW VOLTAGE CONTROL BOX	
A61	CRS+S 1	S+E04	HIGH VOLTAGE CONTROL BOX	3A1S
A61	CRSPA 6	S+E03	LOW VOLTAGE CONTROL BOX	1A3S
A61	EBSG A	S+E05	SWITCH PANEL	
A61	ELSG A	S+E04	SWITCH PANEL	
A61	WCJ 8		LOW VOLTAGE CONTROL BOX	
A61	WCM 8		SWITCH PANEL	
A61	WCR 9		LOW VOLTAGE CONTROL BOX	
A63	CRDL 7	SPE02	LOW VOLTAGE CONTROL BOX	1B3P
A63	CRS+S 3	SPE02	HIGH VOLTAGE CONTROL BOX	3A1S
A63	CRSS 6	SPE03	LOW VOLTAGE CONTROL BOX	1B5S
A63	WCR 26		LOW VOLTAGE CONTROL BOX	
A65	1MT38 7	SI105	PROCESSOR CONTROL BOX	
A65	CRS+ 5	SI105	LOW VOLTAGE CONTROL BOX	
A65	WCP 7		LOW VOLTAGE & PROCESSOR C/BOX	
A66	1MT14 6	EVE05	LOW VOLTAGE CONTROL BOX	
A66	1MT15 2	EVE04	LOW VOLTAGE CONTROL BOX	
A66	1MT15 4	EVE03	LOW VOLTAGE CONTROL BOX	
A66	1MT15 5	EVE02	LOW VOLTAGE CONTROL BOX	
A66	1MT15 7	EVE01	LOW VOLTAGE CONTROL BOX	
A66	1MT16 6	EVE07	LOW VOLTAGE CONTROL BOX	
A66	1MT16 8	EVE06	LOW VOLTAGE CONTROL BOX	
A66	1MTA5 2	CFB05	LOW VOLTAGE CONTROL BOX	
A66	1MTA5 2	CPA04	LOW VOLTAGE CONTROL BOX	
A66	1MTA5 6	EVE08	LOW VOLTAGE CONTROL BOX	
A66	1MTA6 2	CFB02	LOW VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
A66	1MTA6 2	CPA01	LOW VOLTAGE CONTROL BOX	
A66	1MTA6 4	CFB04	LOW VOLTAGE CONTROL BOX	
A66	1MTA6 4	CPA03	LOW VOLTAGE CONTROL BOX	
A66	1MTA6 6	CFB03	LOW VOLTAGE CONTROL BOX	
A66	1MTA6 6	CPA02	LOW VOLTAGE CONTROL BOX	
A66	1MTA6 8	CFB06	LOW VOLTAGE CONTROL BOX	
A66	1MTA6 8	CPA05	LOW VOLTAGE CONTROL BOX	
A66	2MT13 1	CXA11	LOW VOLTAGE CONTROL BOX	
A66	2MT13 3	CPA13	LOW VOLTAGE CONTROL BOX	
A66	2MT13 3	CXA08	LOW VOLTAGE CONTROL BOX	
A66	2MT13 6	CPA09	LOW VOLTAGE CONTROL BOX	
A66	2MT13 6	CXA04	LOW VOLTAGE CONTROL BOX	
A66	2MT13 9	CPA14	LOW VOLTAGE CONTROL BOX	
A66	2MT13 9	CXA09	LOW VOLTAGE CONTROL BOX	
A66	2MT14 6	CPA11	LOW VOLTAGE CONTROL BOX	
A66	2MT14 6	CXA06	LOW VOLTAGE CONTROL BOX	
A66	2MT14 8	CPA15	LOW VOLTAGE CONTROL BOX	
A66	2MT14 8	CXA10	LOW VOLTAGE CONTROL BOX	
A66	2MT15 2	CPA07	LOW VOLTAGE CONTROL BOX	
A66	2MT15 2	CXA02	LOW VOLTAGE CONTROL BOX	
A66	2MT15 4	CPA06	LOW VOLTAGE CONTROL BOX	
A66	2MT15 4	CXA01	LOW VOLTAGE CONTROL BOX	
A66	2MT15 7	CPA10	LOW VOLTAGE CONTROL BOX	
A66	2MT15 7	CXA05	LOW VOLTAGE CONTROL BOX	
A66	2MT16 6	CPA12	LOW VOLTAGE CONTROL BOX	
A66	2MT16 6	CXA07	LOW VOLTAGE CONTROL BOX	
A66	2MT16 7	CPA08	LOW VOLTAGE CONTROL BOX	
A66	2MT16 7	CXA03	LOW VOLTAGE CONTROL BOX	
A66	CRS+S 6	SPE07	HIGH VOLTAGE CONTROL BOX	3A1S
A66	CRWFG 7	SPE07	LOW VOLTAGE CONTROL BOX	1B1H
A66	TBR Q	SPE07	LOW VOLTAGE CONTROL BOX	
A66	TBR R	SPE08	LOW VOLTAGE CONTROL BOX	
A66	TBR S	SPE07	LOW VOLTAGE CONTROL BOX	
A66	TBR T	SPE08	LOW VOLTAGE CONTROL BOX	
A66	TBR U	SPE07	LOW VOLTAGE CONTROL BOX	
A66	TBR V	SPE07	LOW VOLTAGE CONTROL BOX	
A66	WCR 33		LOW VOLTAGE CONTROL BOX	
A67	1MT14 1	S+E08	LOW VOLTAGE CONTROL BOX	
A67	CRS+S 7	S+E05	HIGH VOLTAGE CONTROL BOX	3A1S
A67	CRSS 7	S+E07	LOW VOLTAGE CONTROL BOX	1B5S
A67	WCR 6		LOW VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
B11	CRWAA 9	VPB11	VARIABLE SPEED CONTROL BOX	4A2
B11	CRWAC 7	VPB05	VARIABLE SPEED CONTROL BOX	4A1
B11	TBV 11	VPB08	VARIABLE SPEED CONTROL BOX	
B13	1MTA4 9	SI204	LOW VOLTAGE CONTROL BOX	
B13	CRWFG 3	SI204	LOW VOLTAGE CONTROL BOX	1B1H
B1A	CRWFD A	RGE03	TILT CONTROL BOX	2B3H
B1A	CRWFE A	RGE02	TILT CONTROL BOX	2B4H
B1A	CRWFF A	RGE01	TILT CONTROL BOX	2B5H
B1A	CRWFG A	RGE04	LOW VOLTAGE CONTROL BOX	1B1H
B1A	SMFDL 4	RGE03	MOUNTED ON MACHINE	
B1A	WC1 11		TILT CONTROL BOX	
B1A	WC3 1		TILT CONTROL BOX	
B1A	WCH 1		HIGH VOLTAGE CONTROL BOX	
B1A	WCR 1		LOW VOLTAGE CONTROL BOX	
B2A	CDWA A	S+E13	LOW VOLTAGE CONTROL BOX	1B2M
B2A	SHWJ 4	S+E12	TILT SWITCH PANEL	
B2A	WCJ 7		LOW VOLTAGE CONTROL BOX	
B2A	WCM 7		SWITCH PANEL	
B33	CRWFD 3	RGE17	TILT CONTROL BOX	2B3H
B33	VETPF A	RGE17	AIR VALVE ASSEMBLY	
B33	WC7 2		TILT CONTROL BOX	
B33	WCH 20		HIGH VOLTAGE CONTROL BOX	
B33	WCQ 20		AIR VALVE ASSEMBLY	
B33	WCV 20		LOW VOLTAGE CONTROL BOX	
B33	WCY 2		LOW & HIGH VOLTAGE C/BOX	
B34	CRDL 4	SPE02	LOW VOLTAGE CONTROL BOX	1B3P
B34	SPLDP 7	SPE02	MOUNTED ON MACHINE	
B37	CRS+S 4	S+E05	HIGH VOLTAGE CONTROL BOX	3A1S
B37	CRSS 4	S+E06	LOW VOLTAGE CONTROL BOX	1B5S
B37	CRWFD 7	S+E06	TILT CONTROL BOX	2B3H
B37	WC1 9		TILT CONTROL BOX	
B37	WCH 13		HIGH VOLTAGE CONTROL BOX	
B37	WCR 13		LOW VOLTAGE CONTROL BOX	
B39	1MT14 3	S+E03	LOW VOLTAGE CONTROL BOX	



Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
B39	CRDL 9	S+E03	LOW VOLTAGE CONTROL BOX	1B3P
B42	1MTA3 10	SI206	LOW VOLTAGE CONTROL BOX	
B42	CRWRG 2	SI206	LOW VOLTAGE CONTROL BOX	1B4
B43	CRWFE 3	RGE15	TILT CONTROL BOX	2B4H
B43	CRWRD 3	RGE16	TILT CONTROL BOX	2A1H
B43	VETPD A	RGE15	AIR VALVE ASSEMBLY	
B43	WC1 5		TILT CONTROL BOX	
B43	WCH 10		HIGH VOLTAGE CONTROL BOX	
B43	WCQ 12		AIR VALVE ASSEMBLY	
B43	WCR 10		LOW VOLTAGE CONTROL BOX	
B43	WCV 12		LOW VOLTAGE CONTROL BOX	
B45	CRWFE 5	RGE14	TILT CONTROL BOX	2B4H
B45	VERSR A	RGE14	AIR VALVE ASSEMBLY	
B45	WC1 3		TILT CONTROL BOX	
B45	WCH 8		HIGH VOLTAGE CONTROL BOX	
B45	WCQ 11		AIR VALVE ASSEMBLY	
B45	WCR 8		LOW VOLTAGE CONTROL BOX	
B45	WCV 11		LOW VOLTAGE CONTROL BOX	
B47	1MT13 3	MCE07	LOW VOLTAGE CONTROL BOX	
B47	1MT13 6	EBB05	LOW VOLTAGE CONTROL BOX	
B47	1MTA5 9	MCE11	LOW VOLTAGE CONTROL BOX	
B47	CRWFG 4	SPE08	LOW VOLTAGE CONTROL BOX	1B1H
B47	CSDRL V	MCE08	HIGH VOLTAGE CONTROL BOX	
B47	TBR F	SPE09	LOW VOLTAGE CONTROL BOX	
B47	TBR G	SPE09	LOW VOLTAGE CONTROL BOX	
B47	WCY 4		LOW & HIGH VOLTAGE C/BOX	
B48	CRWFE 8	RGE14	TILT CONTROL BOX	2B4H
B48	CRWRD 6	RGE14	TILT CONTROL BOX	2A1H
B52	CRWFF 2	RGE09	TILT CONTROL BOX	2B5H
B52	SHRM 2	RGE08	TILT SWITCH PANEL	
B52	WC4 7		TILT CONTROL BOX	
B52	WCW 3		TILT SWITCH PANEL	
B53	CRWFF 3	RGE11	TILT CONTROL BOX	2B5H
B53	SHRS 7	RGE10	TILT SWITCH PANEL	
B53	SMDO 4	RGE10	DOOR SWITCH ASSEMBLY	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code	
B53	WC3	6	TILT CONTROL BOX		
B53	WC4	6	TILT CONTROL BOX		
B53	WCW	1	TILT SWITCH PANEL		
B54	CDHEX	9	RGE10	TILT CONTROL BOX	2B2H
B54	CRWFF	4	RGE10	TILT CONTROL BOX	2B5H
B55	CRSS	5	S+E11	LOW VOLTAGE CONTROL BOX	1B5S
B55	SHWJ	7	S+E12	TILT SWITCH PANEL	
B55	WCJ	6		LOW VOLTAGE CONTROL BOX	
B55	WCM	6		SWITCH PANEL	
B59	CRSS	9	SPE03	LOW VOLTAGE CONTROL BOX	1B5S
B59	CRWFF	9	RGE11	TILT CONTROL BOX	2B5H
B59	SMDO	7	RGE10	DOOR SWITCH ASSEMBLY	
B59	WC1	7		TILT CONTROL BOX	
B59	WC3	4		TILT CONTROL BOX	
B59	WCH	11		HIGH VOLTAGE CONTROL BOX	
B59	WCR	11		LOW VOLTAGE CONTROL BOX	
B5A	CRSS	A	S+E15	LOW VOLTAGE CONTROL BOX	1B5S
B5A	SHS+	4	S+E15	SWITCH PANEL	
B5A	SHS+H	4	S+E14	TILT SWITCH PANEL	
B5A	WCH	4		HIGH VOLTAGE CONTROL BOX	
B5A	WCJ	3		LOW VOLTAGE CONTROL BOX	
B5A	WCM	3		SWITCH PANEL	
B5A	WCR	4		LOW VOLTAGE CONTROL BOX	
B5A	WCW	12		TILT SWITCH PANEL	
B67	CLPP	7	SPE01	LOW VOLTAGE CONTROL BOX	1B6P
B67	SPLDP	1	SPE02	MOUNTED ON MACHINE	
B67	VEPPO	A	SPE02	AIR VALVE ASSEMBLY	
B67	WCQ	4		AIR VALVE ASSEMBLY	
B67	WCV	4		LOW VOLTAGE CONTROL BOX	
B69	1MTA3	9	SI207	LOW VOLTAGE CONTROL BOX	
B69	CLPP	6	SI207	LOW VOLTAGE CONTROL BOX	1B6P
B6B	CLPP	A	S+E02	LOW VOLTAGE CONTROL BOX	1B6P
B6B	SMPLL	1	S+E05	MOUNTED ON MACHINE	
B6B	WCJ	18		LOW VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
BAT	2MT31 3	BWD06	PROCESSOR CONTROL BOX	
BAT	2MT41 3	BWD09	PROCESSOR CONTROL BOX	
BR4	1MTA4 7	SI110	LOW VOLTAGE CONTROL BOX	
BR4	SPBR 4	SI110	AIR VALVE ASSEMBLY	
BR4	WCQ 18		AIR VALVE ASSEMBLY	
BR4	WCV 18		LOW VOLTAGE CONTROL BOX	
BS1	ELEBS A	EBB02	BALANCE SENSING LIGHT PANEL	
BS1	SMEBS 1	EBB05	MOUNTED ON MACHINE	
BS1	WCB 2		MOUNTED ON MACHINE	
BS1	WCC 2		BALANCE SENSING LIGHT PANEL	
BS4	SCEBS 7	EBB05	MOUNTED ON MACHINE	
BS4	SMEBS 4	EBB05	MOUNTED ON MACHINE	
BS4	WCB 3		MOUNTED ON MACHINE	
BS7	1MT13 5	EBB05	LOW VOLTAGE CONTROL BOX	
BS7	ELEBK A	SI101	BALANCE SENSING LIGHT PANEL	
BS7	SMEBS 7	EBB05	MOUNTED ON MACHINE	
BS7	WCB 1		MOUNTED ON MACHINE	
BS7	WCJ 25		LOW VOLTAGE CONTROL BOX	
BV1	CRWAC 4	VPB05	VARIABLE SPEED CONTROL BOX	4A1
BV1	TBV 1	VPB05	VARIABLE SPEED CONTROL BOX	
BV2	CRWAA 6	VPB11	VARIABLE SPEED CONTROL BOX	4A2
BV2	TBV 2	VPB06	VARIABLE SPEED CONTROL BOX	
C14	CRWFE 4	RGE13	TILT CONTROL BOX	2B4H
C14	SMRU 1	RGE13	MOUNTED ON MACHINE	
C14	WC3 5		TILT CONTROL BOX	
C27	CRHDC 1	RFE04	TILT CONTROL BOX	2A5H
C27	CRHEX 7	RFE06	TILT CONTROL BOX	2C1H
C27	CRHFD 7	RFE08	TILT CONTROL BOX	2C2H
C27	CRHFU 7	RFE06	TILT CONTROL BOX	2C3H
C27	CRHRD 7	RFE07	TILT CONTROL BOX	2C4H
C27	CRHRU 7	RFE05	TILT CONTROL BOX	2C5H
C27	SHWDO 4	RFE02	TILT SWITCH PANEL	
C27	WC4 2		TILT CONTROL BOX	
C27	WCW 7		TILT SWITCH PANEL	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
C28	CRHFD 8	RFE14	TILT CONTROL BOX	2C2H
C28	CRHRD 8	RFE13	TILT CONTROL BOX	2C4H
C28	VEHTD A	RFE13	MOUNTED ON MACHINE	
C28	WC2 3		TILT CONTROL BOX	
C29	CRHFD 9	RFE10	TILT CONTROL BOX	2C2H
C29	CRHFU 8	RFE09	TILT CONTROL BOX	2C3H
C29	VEHTF 8	RFE09	MOUNTED ON MACHINE	
C29	WC2 6		TILT CONTROL BOX	
C2A	CRHFD A	RGE11	TILT CONTROL BOX	2C2H
C2A	CRWFF 8	RGE10	TILT CONTROL BOX	2B5H
C39	CRHFU 9	RFE16	TILT CONTROL BOX	2C3H
C39	CRHRU 9	RFE15	TILT CONTROL BOX	2C5H
C39	VEHTU A	RFE15	MOUNTED ON MACHINE	
C39	WC2 4		TILT CONTROL BOX	
C3A	CRHFU A	RGE09	TILT CONTROL BOX	2C3H
C3A	CRWRE 7	RGE08	TILT CONTROL BOX	2A2H
C49	CRHRD 9	RFE12	TILT CONTROL BOX	2C4H
C49	CRHRU 8	RFE11	TILT CONTROL BOX	2C5H
C49	VEHTR A	RFE11	MOUNTED ON MACHINE	
C49	WC2 2		TILT CONTROL BOX	
C4A	CRHRD A	RGE12	TILT CONTROL BOX	2C4H
C4A	CRWRE 8	RGE11	TILT CONTROL BOX	2A2H
C5A	CRHRU A	RGE12	TILT CONTROL BOX	2C5H
C5A	CRWFE 7	RGE12	TILT CONTROL BOX	2B4H
CTS	1MT30 9	PIA13	PROCESSOR CONTROL BOX	
CTS	WCD 5	PIA14	PROCESSOR CONTROL BOX	
DB1	ETDB 1	VPB06	VARIABLE SPEED CONTROL BOX	
DB1	TBV P	VPB06	VARIABLE SPEED CONTROL BOX	
DB7	ETDB 7	VPB05	VARIABLE SPEED CONTROL BOX	
DB7	MVDBR P	VPB05	VARIABLE SPEED CONTROL BOX	

Signal Routing Table For  
Serial  
Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
DBB	MVDBR B	VPB05	VARIABLE SPEED CONTROL BOX	
DBB	TBV B	VPB05	VARIABLE SPEED CONTROL BOX	
DBK	CDVS A	VPB04	VARIABLE SPEED CONTROL BOX	4A3
DBK	TBV 20	VPB04	VARIABLE SPEED CONTROL BOX	
DLA	CRHDC 5	SPE11	TILT CONTROL BOX	2A5H
DLA	VEHDL A	SPE11	AIR VALVE ASSEMBLY	
DLA	WC1 12		TILT CONTROL BOX	
DLA	WCH 16		HIGH VOLTAGE CONTROL BOX	
DLA	WCQ 9		AIR VALVE ASSEMBLY	
DLA	WCR 35		LOW VOLTAGE CONTROL BOX	
DLA	WCV 9		LOW VOLTAGE CONTROL BOX	
DLH	1MT34 3	BWD06	PROCESSOR CONTROL BOX	
DLH	1MT34 4	BWD06	PROCESSOR CONTROL BOX	
DLH	WCD 3	BWD06	PROCESSOR CONTROL BOX	
DLH	WCD 4	BWD07	PROCESSOR CONTROL BOX	
DLL	1MT34 1	BWD04	PROCESSOR CONTROL BOX	
DLL	1MT34 2	BWD05	PROCESSOR CONTROL BOX	
DLL	WCD 1	BWD04	PROCESSOR CONTROL BOX	
DLL	WCD 2	BWD05	PROCESSOR CONTROL BOX	
DO1	CRWRF 4	RFE02	TILT CONTROL BOX	2A3H
DO1	SHWDO 1	RFE02	TILT SWITCH PANEL	
DO1	WC4 4		TILT CONTROL BOX	
DO1	WCW 8		TILT SWITCH PANEL	
DOA	CRHEX 1	RFE06	TILT CONTROL BOX	2C1H
DOA	VEHDO A	RFE06	AIR VALVE ASSEMBLY	
DOA	WC2 5		TILT CONTROL BOX	
DOA	WC4 2		TILT CONTROL BOX	
DP1	CRHDC 8	SPE11	TILT CONTROL BOX	2A5H
DP1	CRHDE A	RGE05	TILT CONTROL BOX	2A4H
DP1	SPWDP 1	SPE12	MOUNTED ON MACHINE	
DP1	TBS 2	RGE05	LOW VOLTAGE CONTROL BOX	
DP1	WC1 2		TILT CONTROL BOX	
DP1	WCH 7		HIGH VOLTAGE CONTROL BOX	
DP1	WCQ 17		AIR VALVE ASSEMBLY	
DP1	WCR 7		LOW VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
DP1	WCV 17		LOW VOLTAGE CONTROL BOX	
DRA	1MTA5 8	MCE11	LOW VOLTAGE CONTROL BOX	
DRA	CSDR A	MCE11	HIGH VOLTAGE CONTROL BOX	
DRA	WCR 25		LOW VOLTAGE CONTROL BOX	
DRR	1MT16 5	EVE07	LOW VOLTAGE CONTROL BOX	
DRR	VEDRR A	EVE07	AIR VALVE ASSEMBLY	
DRR	WCQ 16		AIR VALVE ASSEMBLY	
DRR	WCV 16		LOW VOLTAGE CONTROL BOX	
DRS	1MT16 7	EVE06	LOW VOLTAGE CONTROL BOX	
DRS	VEDRS A	EVE06	AIR VALVE ASSEMBLY	
DRS	WCQ 15		AIR VALVE ASSEMBLY	
DRS	WCV 15		LOW VOLTAGE CONTROL BOX	
DRV	1MT14 8	MCE08	LOW VOLTAGE CONTROL BOX	
DRV	CSDRL K	MCE08	HIGH VOLTAGE CONTROL BOX	
DRV	WCY 3		LOW VOLTAGE CONTROL BOX	
E1K	CSE1L K	MCE07	HIGH VOLTAGE CONTROL BOX	
E1K	CSE2 A	MCE07	HIGH VOLTAGE CONTROL BOX	
E1V	1MT13 8	MCE07	LOW VOLTAGE CONTROL BOX	
E1V	CSE1L V	MCE07	HIGH VOLTAGE CONTROL BOX	
E1V	WCR 22		LOW VOLTAGE CONTROL BOX	
E2K	CSE1 A	MCE06	HIGH VOLTAGE CONTROL BOX	
E2K	CSE2R K	MCE06	HIGH VOLTAGE CONTROL BOX	
E2M	1MT13 4	MCE07	LOW VOLTAGE CONTROL BOX	
E2M	1MT13 9	MCE07	LOW VOLTAGE CONTROL BOX	
E2M	CDBP 7	MCE04	LOW VOLTAGE CONTROL BOX	
E2M	CDBP A	MCE03	LOW VOLTAGE CONTROL BOX	
E2V	1MT13 10	MCE06	LOW VOLTAGE CONTROL BOX	
E2V	CDHEX 3	RGE10	TILT CONTROL BOX	2B2H
E2V	CDHEX A	RGE00	TILT CONTROL BOX	2B2H
E2V	CRHEX A	RGE01	TILT CONTROL BOX	2C1H
E2V	CSE2R V	MCE06	HIGH VOLTAGE CONTROL BOX	
E2V	WC1 4		TILT CONTROL BOX	
E2V	WCH 9		HIGH VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
E2V	WCR 21		LOW VOLTAGE CONTROL BOX	
EB1	ELEB1 A	EBB03	BALANCE SENSING LIGHT PANEL	
EB1	SCEBS 1	EBB05	MOUNTED ON MACHINE	
EB1	VEEB1 A	EBB04	MOUNTED ON MACHINE	
EB1	WCC 3		BALANCE SENSING LIGHT PANEL	
EB2	ELEB2 A	EBB05	BALANCE SENSING LIGHT PANEL	
EB2	SCEBS 2	EBB05	MOUNTED ON MACHINE	
EB2	VEEB2 A	EBB06	MOUNTED ON MACHINE	
EB2	WCC 4		BALANCE SENSING LIGHT PANEL	
EB3	ELEB3 A	EBB07	BALANCE SENSING LIGHT PANEL	
EB3	SCEBS 3	EBB05	MOUNTED ON MACHINE	
EB3	VEEB3 A	EBB08	MOUNTED ON MACHINE	
EB3	WCC 5		BALANCE SENSING LIGHT PANEL	
FCC	SMFDL 7	RGE03	MOUNTED ON MACHINE	
FCC	SMFDR 4	RGE03	MOUNTED ON MACHINE	
HYP	CRHDC 7	RFE04	TILT CONTROL BOX	2A5H
HYP	CSHYP A	RFE05	TILT CONTROL BOX	
HYP	WC5 2		TILT CONTROL BOX	
K11	1MT35 4	SKP00	PROCESSOR CONTROL BOX	
K11	MTAK1 1	SKP01	SWITCH PANEL	
K11	WCX 5		PROCESSOR C/BOX & SW PNL	
K12	1MT35 5	SKP00	PROCESSOR CONTROL BOX	
K12	MTAK1 2	SKP01	SWITCH PANEL	
K12	WCX 4		PROCESSOR C/BOX & SW PNL	
K13	1MT35 3	SKP00	PROCESSOR CONTROL BOX	
K13	MTAK1 3	SKP01	SWITCH PANEL	
K13	WCX 3		PROCESSOR C/BOX & SW PNL	
K14	1MT35 2	SKP00	PROCESSOR CONTROL BOX	
K14	MTAK1 4	SKP01	SWITCH PANEL	
K14	WCX 2		PROCESSOR C/BOX & SW PNL	
K15	1MT40 5	SKP00	PROCESSOR CONTROL BOX	
K15	MTAK1 5	SKP01	SWITCH PANEL	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
K15	WCX 1		PROCESSOR C/BOX & SW PNL	
K21	1MT35 8	SKP00	PROCESSOR CONTROL BOX	
K21	MTAK2 1	SKP01	SWITCH PANEL	
K21	WCX 24		PROCESSOR C/BOX & SW PNL	
K22	1MT35 1	SKP00	PROCESSOR CONTROL BOX	
K22	MTAK2 2	SKP01	SWITCH PANEL	
K22	WCX 23		PROCESSOR C/BOX & SW PNL	
K23	1MT35 6	SKP00	PROCESSOR CONTROL BOX	
K23	MTAK2 3	SKP01	SWITCH PANEL	
K23	WCX 22		PROCESSOR C/BOX & SW PNL	
K24	1MT35 7	SKP00	PROCESSOR CONTROL BOX	
K24	MTAK2 4	SKP01	SWITCH PANEL	
K24	WCX 8		PROCESSOR C/BOX & SW PNL	
K25	1MT35 9	SKP00	PROCESSOR CONTROL BOX	
K25	MTAK2 5	SKP01	SWITCH PANEL	
K25	WCX 7		PROCESSOR C/BOX & SW PNL	
K26	1MT35 10	SKP00	PROCESSOR CONTROL BOX	
K26	MTAK2 6	SKP01	SWITCH PANEL	
K26	WCX 6		PROCESSOR C/BOX & SW PNL	
KKJ	CRS+S 9	SPE07	HIGH VOLTAGE CONTROL BOX	3A1S
KKJ	CRWFG 1	SPE07	LOW VOLTAGE CONTROL BOX	1B1H
KKJ	SHDO 7	S+E06	SWITCH PANEL	
KKJ	SHS+ 7	S+E15	SWITCH PANEL	
KKJ	SHS+H 7	S+E14	TILT SWITCH PANEL	
KKJ	SHSO 1	S+E03	SWITCH PANEL	
KKJ	WCH 17		HIGH VOLTAGE CONTROL BOX	
KKJ	WCJ 1		LOW VOLTAGE CONTROL BOX	
KKJ	WCM 1		SWITCH PANEL	
KKJ	WCW 9		TILT SWITCH PANEL	
KKJ	WCZ 7		LOW & HIGH VOLTAGE C/BOX	
KKK	SHSO 7	S+E03	SWITCH PANEL	
KKK	SHSOE 1	S+E03	SWITCH PANEL	
L11	EFP1 7	PSB**	HIGH VOLTAGE CONTROL BOX	



Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
L11	FBLK 1		HIGH VOLTAGE CONTROL BOX	
L12	EFP1 1	PSB**	HIGH VOLTAGE CONTROL BOX	
L12	EX37 H*	PSB**	HIGH VOLTAGE CONTROL BOX	
L17	CSE2 7	MTA12	HIGH VOLTAGE CONTROL BOX	
L17	EF1 7	MTA07	HIGH VOLTAGE CONTROL BOX	
L17	EF2 7	MTA03	HIGH VOLTAGE CONTROL BOX	
L17	EF3 7	MTA00	HIGH VOLTAGE CONTROL BOX	
L17	EF4 7	MTA00	TILT CONTROL BOX	
L18	CSE2 8	MTA12	HIGH VOLTAGE CONTROL BOX	
L18	EF1 8	MTA07	HIGH VOLTAGE CONTROL BOX	
L18	EF2 8	MTA04	HIGH VOLTAGE CONTROL BOX	
L18	EF3 8	MTA00	HIGH VOLTAGE CONTROL BOX	
L18	EF4 8	MTA00	TILT CONTROL BOX	
L19	CSE2 9	MTA13	HIGH VOLTAGE CONTROL BOX	
L19	EF1 9	MTA08	HIGH VOLTAGE CONTROL BOX	
L19	EF2 9	MTA05	HIGH VOLTAGE CONTROL BOX	
L19	EF3 9	MTA01	HIGH VOLTAGE CONTROL BOX	
L19	EF4 9	MTA00	TILT CONTROL BOX	
L21	EFP2 7	PSB**	HIGH VOLTAGE CONTROL BOX	
L21	FBLK 2		HIGH VOLTAGE CONTROL BOX	
L22	EFP2 1	PSB**	HIGH VOLTAGE CONTROL BOX	
L22	EX37 H*	PSB**	HIGH VOLTAGE CONTROL BOX	
L34	1MTA3 8	SI108	LOW VOLTAGE CONTROL BOX	
L34	SLLL3 4	SI108	MOUNTED ON MACHINE	
L34	TBR P	SI108	LOW VOLTAGE CONTROL BOX	
LL1	1MTA3 7	SI107	LOW VOLTAGE CONTROL BOX	
LL1	SLLLL 1	SI107	MOUNTED ON MACHINE	
LL1	TBR N	SI107	LOW VOLTAGE CONTROL BOX	
MD4	1MT38 8	SI113	PROCESSOR CONTROL BOX	
MD4	SHMD 4	SI113	PROCESSOR CONTROL BOX	
ML4	1MT14 2	S+E07	LOW VOLTAGE CONTROL BOX	
ML4	SMPLL 4	S+E05	MOUNTED ON MACHINE	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
ML4	WCJ 17		LOW VOLTAGE CONTROL BOX	
ODR	1MTA4 2	SI202	LOW VOLTAGE CONTROL BOX	
ODR	ETDR Q	SI202	HIGH VOLTAGE CONTROL BOX	
ODR	WCZ 3		LOW & HIGH VOLTAGE C/BOX	
OE1	1MTA4 3	SI201	LOW VOLTAGE CONTROL BOX	
OE1	ETE1 Q	SI201	HIGH VOLTAGE CONTROL BOX	
OE1	WCZ 2		LOW & HIGH VOLTAGE C/BOX	
OE2	1MTA4 4	SI109	LOW VOLTAGE CONTROL BOX	
OE2	ETE2 Q	SI109	HIGH VOLTAGE CONTROL BOX	
OE2	WCZ 1		LOW & HIGH VOLTAGE C/BOX	
OL	CLPP 5	S+E07	LOW VOLTAGE CONTROL BOX	1B6P
OL	CRS+ A	S+E06	LOW VOLTAGE CONTROL BOX	1A6S
OL	CRS+S A	S+E05	HIGH VOLTAGE CONTROL BOX	3A1S
OL	ETDR K		HIGH VOLTAGE CONTROL BOX	
OL	OL **	S+E07	HIGH VOLTAGE CONTROL BOX	
OL	WCR 27		LOW VOLTAGE CONTROL BOX	
OWA	1MTA4 1	SI203	LOW VOLTAGE CONTROL BOX	
OWA	ETWA Q	SI203	HIGH VOLTAGE CONTROL BOX	
OWA	WCZ 4		LOW & HIGH VOLTAGE C/BOX	
PAQ	CDVS 7	S+E06	VARIABLE SPEED CONTROLLER BOX	
PAQ	CSVP Q	S+E06	HIGH VOLTAGE CONTROLL BOX	
PAQ	TBPV 1	S+E06	VARIABLE SPEED CONTROLLER BOX	
PDA	1MT16 1	SPE15	LOW VOLTAGE CONTROL BOX	
PDA	VEWPD A	SPE15	AIR VALVE ASSEMBLY	
PDA	WCQ 10		AIR VALVE ASSEMBLY	
PDA	WCV 10		LOW VOLTAGE CONTROL BOX	
PL4	1MTA3 4	SI106	LOW VOLTAGE CONTROL BOX	
PL4	SPLL1 4	SI106	MOUNTED ON MACHINE	
PLA	CRHDC 2	SPE12	TILT CONTROL BOX	2A5H
PLA	VEPL A	SPE12	AIR VALVE ASSEMBLY	
PLA	WC1 6		TILT CONTROL BOX	
PLA	WCH 15		HIGH VOLTAGE CONTROL BOX	
PLA	WCQ 13		AIR VALVE ASSEMBLY	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
PLA	WCR 14		LOW VOLTAGE CONTROL BOX	
PLA	WCV 13		LOW VOLTAGE CONTROL BOX	
RB4	1MT38 6	SI103	PROCESSOR CONTROL BOX	
RB4	SMERB 4	SI103	MOUNTED ON MACHINE	
RB4	WCJ 22		LOW VOLTAGE CONTROL BOX	
RB4	WCP 8		LOW VOLTAGE & PROCESSOR C/BOX	
RC1	ELEBK 8	SI101	BALANCE SENSING LIGHT PANEL	
RC1	SMERC 1	SI102	MOUNTED ON MACHINE	
RC1	WCB 6		MOUNTED ON MACHINE	
RC4	1MT38 5	SI102	PROCESSOR CONTROL BOX	
RC4	SMERC 4	SI102	MOUNTED ON MACHINE	
RC4	WCB 5		MOUNTED ON MACHINE	
RC4	WCJ 24		LOW VOLTAGE CONTROL BOX	
RC4	WCP 9		LOW VOLTAGE & PROCESSOR C/BOX	
RCC	SMRDL 7	RGE07	MOUNTED ON MACHINE	
RCC	SMRDR 4	RGE07	MOUNTED ON MACHINE	
RM1	CRWRE 2	RGE11	TILT CONTROL BOX	2A2H
RM1	SHRM 1	RGE12	TILT SWITCH PANEL	
RM1	WC4 1		TILT CONTROL BOX	
RM1	WCW 5		TILT SWITCH PANEL	
RM4	SHRM 4	RGE13	TILT SWITCH PANEL	
RM4	SMRU 7	RGE13	MOUNTED ON MACHINE	
RM4	WC3 8		TILT CONTROL BOX	
RM4	WC4 9		TILT CONTROL BOX	
RM4	WCW 4		TILT SWITCH PANEL	
RM5	SHRM 5	RGE08	TILT SWITCH PANEL	
RM5	SMFU 7	RGE08	MOUNTED ON MACHINE	
RM5	WC3 7		TILT CONTROL BOX	
RM5	WC4 8		TILT CONTROL BOX	
RM5	WCW 2		TILT SWITCH PANEL	
RS1	SHRM 7	RGE12	TILT SWITCH PANEL	
RS1	SHRS 1	RGE10	TILT SWITCH PANEL	
RS4	SHRM 8	RGE08	TILT SWITCH PANEL	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
RS4	SHRS 4	RGE10	TILT SWITCH PANEL	
SG4	1MT38 2	SI111	PROCESSOR CONTROL BOX	
SG4	SHSG 4	SI111	SWITCH PANEL	
SG4	WCX 35		PROCESSOR C/BOX & SW PNL	
SK4	1MT38 3	SI112	PROCESSOR CONTROL BOX	
SK4	SKPR 4	SI112	SWITCH PANEL	
SK4	WCX 34		PROCESSOR C/BOX & SW PNL	
SO1	SHDOH 1	S+E06	TILT SWITCH PANEL	
SO1	SMPLL 7	S+E05	MOUNTED ON MACHINE	
SO1	WCH 3		HIGH VOLTAGE CONTROL BOX	
SO1	WCJ 16		LOW VOLTAGE CONTROL BOX	
SO1	WCR 3		LOW VOLTAGE CONTROL BOX	
SO1	WCW 11		TILT SWITCH PANEL	
SO7	SHDO 1	S+E06	SWITCH PANEL	
SO7	SHDOH 7	S+E06	TILT SWITCH PANEL	
SO7	WCH 5		HIGH VOLTAGE CONTROL BOX	
SO7	WCJ 4		LOW VOLTAGE CONTROL BOX	
SO7	WCM 4		SWITCH PANEL	
SO7	WCR 5		LOW VOLTAGE CONTROL BOX	
SO7	WCW 15		TILT SWITCH PANEL	
SRH	1MT12 4	BWD08	LOW VOLTAGE CONTROL BOX	
SRH	1MT33 3	BWD04	PROCESSOR CONTROL BOX	
SRH	1MT42 4	BWD08	LOW VOLTAGE CONTROL BOX	
SRH	1MT52 4	BWD08	LOW VOLTAGE CONTROL BOX	
SRH	1MTA2 4	BWD04	LOW VOLTAGE CONTROL BOX	
SRH	2MT12 4	BWD08	LOW VOLTAGE CONTROL BOX	
SRH	TBP 5	BWD04	LOW VOLTAGE CONTROL BOX	
SRL	1MT12 2	BWD08	LOW VOLTAGE CONTROL BOX	
SRL	1MT33 1	BWD05	PROCESSOR CONTROL BOX	
SRL	1MT42 2	BWD08	LOW VOLTAGE CONTROL BOX	
SRL	1MT52 2	BWD08	LOW VOLTAGE CONTROL BOX	
SRL	1MTA2 2	BWD05	LOW VOLTAGE CONTROL BOX	
SRL	2MT12 2	BWD08	LOW VOLTAGE CONTROL BOX	
SRL	TBP 6	BWD05	LOW VOLTAGE CONTROL BOX	
STM	1MT14 5	EVE05	LOW VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
STM	VESTM A	EVE05	AIR VALVE ASSEMBLY	
STM	WCQ 5		AIR VALVE ASSEMBLY	
STM	WCV 5		LOW VOLTAGE CONTROL BOX	
T1R	1MT58 3	BWD13	LOW VOLTAGE CONTROL BOX	
T1W	1MT58 6	BWD14	LOW VOLTAGE CONTROL BOX	
TE1	ETE1 K		HIGH VOLTAGE CONTROL BOX	
TE1	ETWA V		HIGH VOLTAGE CONTROL BOX	
TE2	ETE1 V		HIGH VOLTAGE CONTROL BOX	
TE2	ETE2 K		HIGH VOLTAGE CONTROL BOX	
TL4	1MTA4 8	SI205	LOW VOLTAGE CONTROL BOX	
TL4	SPTLT 4	SI205	LOW VOLTAGE CONTROL BOX	
TWA	ETDR V		HIGH VOLTAGE CONTROL BOX	
TWA	ETWA K		HIGH VOLTAGE CONTROL BOX	
TXD	1MT30 7	PIA13	PROCESSOR CONTROL BOX	
TXD	WCD 7	PIA13	PROCESSOR CONTROL BOX	
V01	CRC01 4	CPA01	INTERPRET RELAY BOX	5A1
V01	TBB A	CPA01	INTERPRET RELAY BOX	
V02	CRC02 4	CPA02	INTERPRET RELAY BOX	5A2
V02	TBB B	CPA02	INTERPRET RELAY BOX	
V03	CRC03 4	CPA03	INTERPRET RELAY BOX	5A3
V03	TBB C	CPA03	INTERPRET RELAY BOX	
V04	CRC04 4	CPA04	INTERPRET RELAY BOX	5A4
V04	TBB D	CPA04	INTERPRET RELAY BOX	
V05	CRC05 4	CPA05	INTERPRET RELAY BOX	5A5
V05	TBB E	CPA05	INTERPRET RELAY BOX	
V06	CRC06 4	CPA06	INTERPRET RELAY BOX	5B1
V06	TBB F	CPA06	INTERPRET RELAY BOX	
V07	CRC07 4	CPA07	INTERPRET RELAY BOX	5B2

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
V07	TBB G	CPA07	INTERPRET RELAY BOX	
V08	CRC08 4	CPA08	INTERPRET RELAY BOX	5B3
V08	TBB H	CPA08	INTERPRET RELAY BOX	
V09	CRC09 4	CPA09	INTERPRET RELAY BOX	5B4
V09	TBB J	CPA09	INTERPRET RELAY BOX	
V10	CRC10 4	CPA10	INTERPRET RELAY BOX	5B5
V10	TBB K	CPA10	INTERPRET RELAY BOX	
V11	CRC11 4	CPA11	INTERPRET RELAY BOX	5C1
V11	TBB L	CPA11	INTERPRET RELAY BOX	
V12	CRC12 4	CPA12	INTERPRET RELAY BOX	5C2
V12	TBB M	CPA12	INTERPRET RELAY BOX	
V13	CRC13 4	CPA13	INTERPRET RELAY BOX	5C3
V13	TBB N	CPA13	INTERPRET RELAY BOX	
V14	CRC14 4	CPA14	INTERPRET RELAY BOX	5C4
V14	TBB P	CPA14	INTERPRET RELAY BOX	
V15	CRC15 4	CPA15	INTERPRET RELAY BOX	5C5
V15	TBB Q	CPA15	INTERPRET RELAY BOX	
V1A	1MTA6 1	CFB02	LOW VOLTAGE CONTROL BOX	
V1A	1MTA6 1	CPA05	LOW VOLTAGE CONTROL BOX	
V1A	CRC01 A	CPA01	INTERPRET RELAY BOX	5A1
V1A	SHWCF 4	CFB01	MOUNTED ON MACHINE	
V1A	TBA A	CPA01	INTERPRET RELAY BOX	
V1A	VEC01 A	CFB02	MOUNTED ON MACHINE	
V1A	WCL 1		INTERPRET RELAY BOX	
V1A	WCR 15		LOW VOLTAGE CONTROL BOX	
V1A	WCS 1		INTERPRET RELAY BOX	
V2A	1MTA6 7	CFB03	LOW VOLTAGE CONTROL BOX	
V2A	1MTA6 7	CPA06	LOW VOLTAGE CONTROL BOX	
V2A	CRC02 A	CPA02	INTERPRET RELAY BOX	5A2
V2A	TBA B	CPA02	INTERPRET RELAY BOX	
V2A	VEC02 A	CFB03	MOUNTED ON MACHINE	
V2A	WCL 2		INTERPRET RELAY BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
V2A	WCR 16		LOW VOLTAGE CONTROL BOX	
V2A	WCS 2		INTERPRET RELAY BOX	
V3A	1MTA6 5	CFB04	LOW VOLTAGE CONTROL BOX	
V3A	1MTA6 5	CPA03	LOW VOLTAGE CONTROL BOX	
V3A	CRC03 A	CPA03	INTERPRET RELAY BOX	5A3
V3A	TBA C	CPA03	INTERPRET RELAY BOX	
V3A	VEC03 A	CFB04	MOUNTED ON MACHINE	
V3A	WCL 3		INTERPRET RELAY BOX	
V3A	WCR 17		LOW VOLTAGE CONTROL BOX	
V3A	WCS 3		HIGH VOLTAGE CONTROL BOX	
V4A	1MTA6 10	CFB05	LOW VOLTAGE CONTROL BOX	
V4A	1MTA6 10	CPA04	LOW VOLTAGE CONTROL BOX	
V4A	CRC04 A	CPA04	INTERPRET RELAY BOX	5A4
V4A	TBA D	CPA04	INTERPRET RELAY BOX	
V4A	VEC04 A	CFB05	MOUNTED ON MACHINE	
V4A	WCL 4		INTERPRET RELAY BOX	
V4A	WCR 18		LOW VOLTAGE CONTROL BOX	
V4A	WCS 4		HIGH VOLTAGE CONTROL BOX	
V5A	1MTA6 9	CFB06	LOW VOLTAGE CONTROL BOX	
V5A	1MTA6 9	CPA05	LOW VOLTAGE CONTROL BOX	
V5A	CRC05 A	CPA05	INTERPRET RELAY BOX	5A5
V5A	TBA E	CPA05	INTERPRET RELAY BOX	
V5A	VEC05 A	CFB06	MOUNTED ON MACHINE	
V5A	WCL 5		INTERPRET RELAY BOX	
V5A	WCR 19		LOW VOLTAGE CONTROL BOX	
V5A	WCS 5		INTERPRET RELAY BOX	
V6A	2MT15 3	CPA06	LOW VOLTAGE CONTROL BOX	
V6A	2MT15 3	CXA01	LOW VOLTAGE CONTROL BOX	
V6A	CRC06 A	CPA06	INTERPRET RELAY BOX	5B1
V6A	TBA F	CPA06	INTERPRET RELAY BOX	
V6A	VEC06 A	CXA01	MOUNTED ON MACHINE	
V6A	WCL 6		INTERPRET RELAY BOX	
V7A	2MT15 1	CPA07	LOW VOLTAGE CONTROL BOX	
V7A	2MT15 1	CXA02	LOW VOLTAGE CONTROL BOX	
V7A	CRC07 A	CPA07	INTERPRET RELAY BOX	5B2
V7A	TBA G	CPA07	INTERPRET RELAY BOX	
V7A	VEC07 A	CXA02	MOUNTED ON MACHINE	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
V7A	WCL 7		INTERPRET RELAY BOX	
V8A	2MT16 8	CPA08	LOW VOLTAGE CONTROL BOX	
V8A	2MT16 8	CXA03	LOW VOLTAGE CONTROL BOX	
V8A	CRC08 A	CPA08	INTERPRET RELAY BOX	5B3
V8A	TBA H	CPA08	INTERPRET RELAY BOX	
V8A	VEC08 A	CXA03	MOUNTED ON MACHINE	
V8A	WCL 8		INTERPRET RELAY BOX	
V9A	2MT13 5	CPA09	LOW VOLTAGE CONTROL BOX	
V9A	2MT13 5	CXA04	LOW VOLTAGE CONTROL BOX	
V9A	CRC09 A	CPA09	INTERPRET RELAY BOX	5B4
V9A	TBA J	CPA09	INTERPRET RELAY BOX	
V9A	VEC09 A	CXA04	MOUNTED ON MACHINE	
V9A	WCL 9		INTERPRET RELAY BOX	
VAA	2MT15 8	CPA10	LOW VOLTAGE CONTROL BOX	
VAA	2MT15 8	CXA05	LOW VOLTAGE CONTROL BOX	
VAA	CRC10 A	CPA10	INTERPRET RELAY BOX	5B5
VAA	TBA K	CPA10	LOW VOLTAGE CONTROL BOX	
VAA	VEC10 A	CXA05	MOUNTED ON MACHINE	
VAA	WCL 10		INTERPRET RELAY BOX	
VB7	CSVP V	S+E06	HIGH VOLTAGE CONTROL BOX	
VB7	ETE2 V		HIGH VOLTAGE CONTROL BOX	
VB7	SMWVB 7	S+E07	HIGH VOLTAGE CONTROL BOX	
VBA	2MT14 5	CPA11	LOW VOLTAGE CONTROL BOX	
VBA	2MT14 5	CXA06	LOW VOLTAGE CONTROL BOX	
VBA	CRC11 A	CPA11	INTERPRET RELAY BOX	5C1
VBA	TBA L	CPA11	LOW VOLTAGE CONTROL BOX	
VBA	VEC11 A	CXA06	MOUNTED ON MACHINE	
VBA	WCL 11		INTERPRET RELAY BOX	
VCA	2MT16 5	CPA12	LOW VOLTAGE CONTROL BOX	
VCA	2MT16 5	CXA07	LOW VOLTAGE CONTROL BOX	
VCA	CRC12 A	CPA12	INTERPRET RELAY BOX	5C2
VCA	TBA M	CPA12	LOW VOLTAGE CONTROL BOX	
VCA	VEC12 A	CXA07	MOUNTED ON MACHINE	
VCA	WCL 12		INTERPRET RELAY BOX	
VDA	2MT13 4	CPA13	LOW VOLTAGE CONTROL BOX	



Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
VDA	2MT13 4	CXA08	LOW VOLTAGE CONTROL BOX	
VDA	CRC13 A	CPA13	INTERPRET RELAY BOX	5C3
VDA	TBA N	CPA13	LOW VOLTAGE CONTROL BOX	
VDA	VEC13 A	CXA08	MOUNTED ON MACHINE	
VDA	WCL 13		INTERPRET RELAY BOX	
VEA	2MT13 8	CPA14	LOW VOLTAGE CONTROL BOX	
VEA	2MT13 8	CXA09	LOW VOLTAGE CONTROL BOX	
VEA	CRC14 A	CPA14	INTERPRET RELAY BOX	5C4
VEA	TBA P	CPA14	LOW VOLTAGE CONTROL BOX	
VEA	VEC14 A	CXA09	MOUNTED ON MACHINE	
VEA	WCL 14		INTERPRET RELAY BOX	
VFA	2MT14 7	CPA15	LOW VOLTAGE CONTROL BOX	
VFA	2MT14 7	CXA10	LOW VOLTAGE CONTROL BOX	
VFA	CRC15 A	CPA15	INTERPRET RELAY BOX	5C5
VFA	TBA Q	CPA15	LOW VOLTAGE CONTROL BOX	
VFA	VEC15 A	CXA10	MOUNTED ON MACHINE	
VFA	WCL 15		INTERPRET RELAY BOX	
VFF	2MT13 2	CXA11	LOW VOLTAGE CONTROL BOX	
VFF	TBA R		LOW VOLTAGE CONTROL BOX	
VFF	VECFM A	CXA11	MOUNTED ON MACHINE	
VFF	WCL 16		INTERPRET RELAY BOX	
VFF	WCS 1		INTERPRET RELAY BOX	
VFL	SHWCF 1	CFB01	MOUNTED ON MACHINE	
VFL	VESE A	CFB01	MOUNTED ON MACHINE	
VFL	WCL 6		INTERPRET RELAY BOX	
VFL	WCS 8		INTERPRET RELAY BOX	
VPH	1MT43 8	VPB16	LOW VOLTAGE CONTROL BOX	
VPH	TBV 13	VPB16	VARIABLE SPEED CONTROL BOX	
VPL	1MT43 10	VPB17	LOW VOLTAGE CONTROL BOX	
VPL	TBV 17	VPB17	VARIABLE SPEED CONTROL BOX	
VSA	CSVS A	VPB03	VARIABLE SPEED CONTROL BOX	
VSA	ETDB K	VPB03	VARIABLE SPEED CONTROL BOX	
VSA	TBVP 6	VPB03	VARIABLE SPEED CONTROL BOX	
W2L	1MTA5 3	MCE12	LOW VOLTAGE CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
W2L	CSW2N V	MCE12	2SPD WASH CONTROL BOX	
W2L	WCR 31		LOW VOLTAGE CONTROL BOX	
W2L	WCX 1		HIGH VOLTAGE CONTROL BOX	
W2N	1MTA5 1	MCE13	LOW VOLTAGE CONTROL BOX	
W2N	CSW2L V	MCE13	2SPD WASH CONTROL BOX	
W2N	WCR 32		LOW VOLTAGE CONTROL BOX	
W2N	WCX 2		HIGH VOLTAGE CONTROL BOX	
WAK	CRWAC A	VPB02	VARIABLE SPEED CONTROL BOX	6A2
WAK	CSWAA K	MCE10	HIGH VOLTAGE CONTROL BOX	
WAK	CSWAC A	MCE10	HIGH VOLTAGE CONTROL BOX	
WAK	TBPV 3	VPB02	VARIABLE SPEED CONTROL BOX	
WAQ	CDVS 1	S+E06	VARIABLE SPEED CONTROLLER BOX	4A3
WAQ	OL **	S+E06	HIGH VOLTAGE CONTROL BOX	
WAQ	TBPV 2	S+E06	VARIABLE SPEED CONTROLLER BOX	
WAV	1MT13 2	MCE10	LOW VOLTAGE CONTROL BOX	
WAV	CDWC 4	MCE09	LOW VOLTAGE CONTROL BOX	1A2M
WAV	CSWAA V	MCE10	HIGH VOLTAGE CONTROL BOX	
WAV	WCR 24		LOW VOLTAGE CONTROL BOX	
WAX	1MT13 1	MCE10	LOW VOLTAGE CONTROL BOX	
WAX	1MT14 9	MCE10	LOW VOLTAGE CONTROL BOX	
WBR	1MT15 8	EVE01	LOW VOLTAGE CONTROL BOX	
WBR	CRWA 6	EVE00	LOW VOLTAGE CONTROL BOX	1B2M
WBR	CRWC 6	EVE00	LOW VOLTAGE CONTROL BOX	1A2M
WBR	VEWBR A	EVE01	AIR VALVE ASSEMBLY	
WBR	WCQ 1		AIR VALVE ASSEMBLY	
WBR	WCV 1		LOW VOLTAGE CONTROL BOX	
WCD	1MTA5 5	EVE08	LOW VOLTAGE CONTROL BOX	
WCD	TBR W	EVE08	LOW VOLTAGE CONTROL BOX	
WCD	VETCW A	EVE08	LEFT AIR VALVE ASSEMBLY	
WCD	WCV 36		LOW VOLTAGE CONTROL BOX	
WCK	CRWAA A	VPB03	VARIABLE SPEED CONTROL BOX	6A1
WCK	CSWAA A	MCE08	HIGH VOLTAGE CONTROL BOX	
WCK	CSWAC K	MCE08	HIGH VOLTAGE CONTROL BOX	
WCK	TBPV 4	VPB03	VARIABLE SPEED CONTROL BOX	

Signal Routing Table For  
 Serial  
 Open Pockets

Wire	Component Name and Pin No.	Schematic and Line No.	Component Location	Relay Location Code
WCV	1MT14 7	MCE08	LOW VOLTAGE CONTROL BOX	
WCV	CRWA 4	MCE09	LOW VOLTAGE CONTROL BOX	1B2M
WCV	CSWAC V	MCE08	HIGH VOLTAGE CONTROL BOX	
WCV	WCR 23		LOW VOLTAGE CONTROL BOX	
WVC	1MT15 3	EVE03	LOW VOLTAGE CONTROL BOX	
WVC	VEWVC A	EVE03	AIR VALVE ASSEMBLY	
WVC	WCQ 7		AIR VALVE ASSEMBLY	
WVC	WCV 7		LOW VOLTAGE CONTROL BOX	
WVH	1MT15 6	EVE02	LOW VOLTAGE CONTROL BOX	
WVH	VEWVH A	EVE02	AIR VALVE ASSEMBLY	
WVH	WCQ 6		AIR VALVE ASSEMBLY	
WVH	WCV 6		LOW VOLTAGE CONTROL BOX	
WVX	1MT15 1	EVE04	LOW VOLTAGE CONTROL BOX	
WVX	VEWVX A	EVE04	AIR VALVE ASSEMBLY	
WVX	WCQ 8		AIR VALVE ASSEMBLY	
WVX	WCV 8		LOW VOLTAGE CONTROL BOX	



# W6WE1S1A

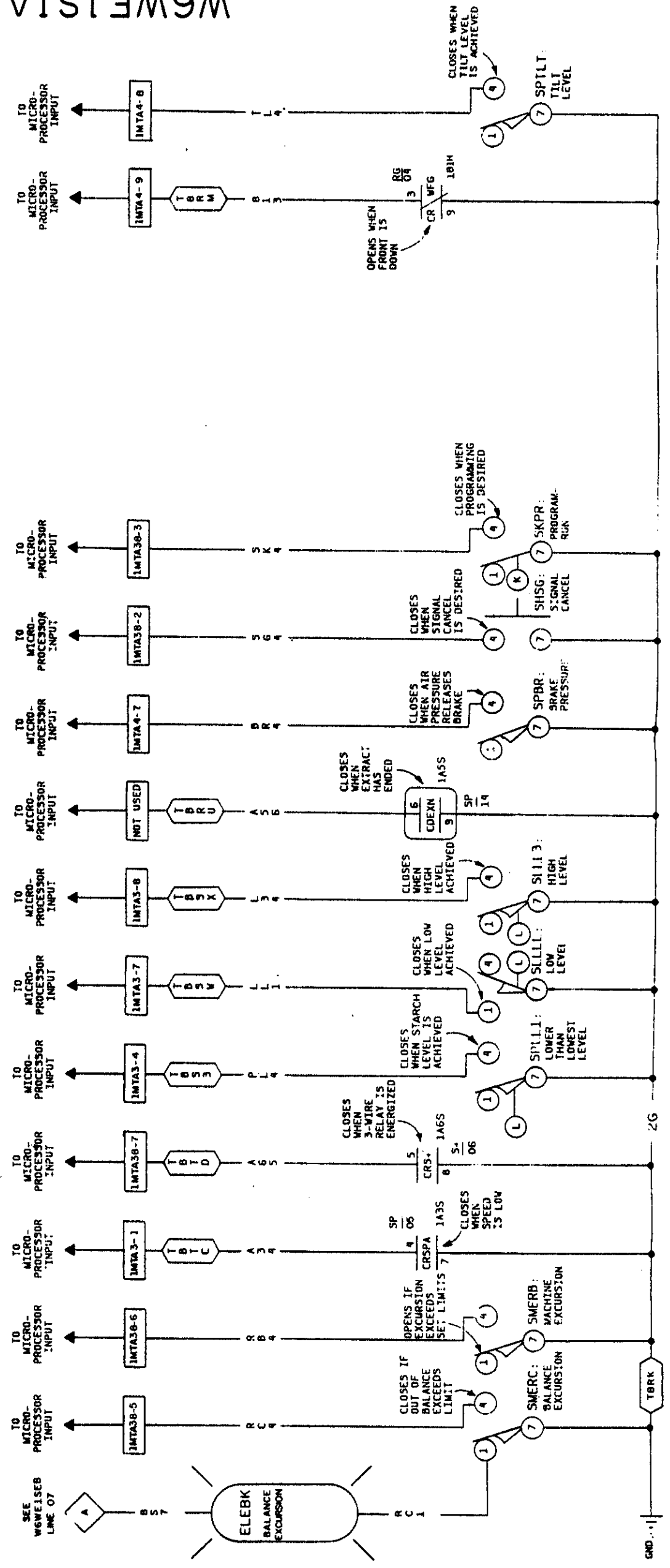
## MICRO 6 SYSTEMS SERIAL CONTROLS

### SCHEMATIC: MICROPROCESSOR INPUTS

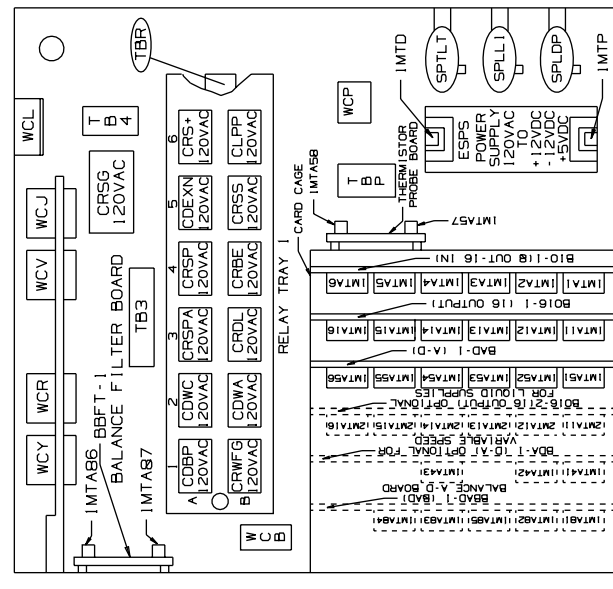
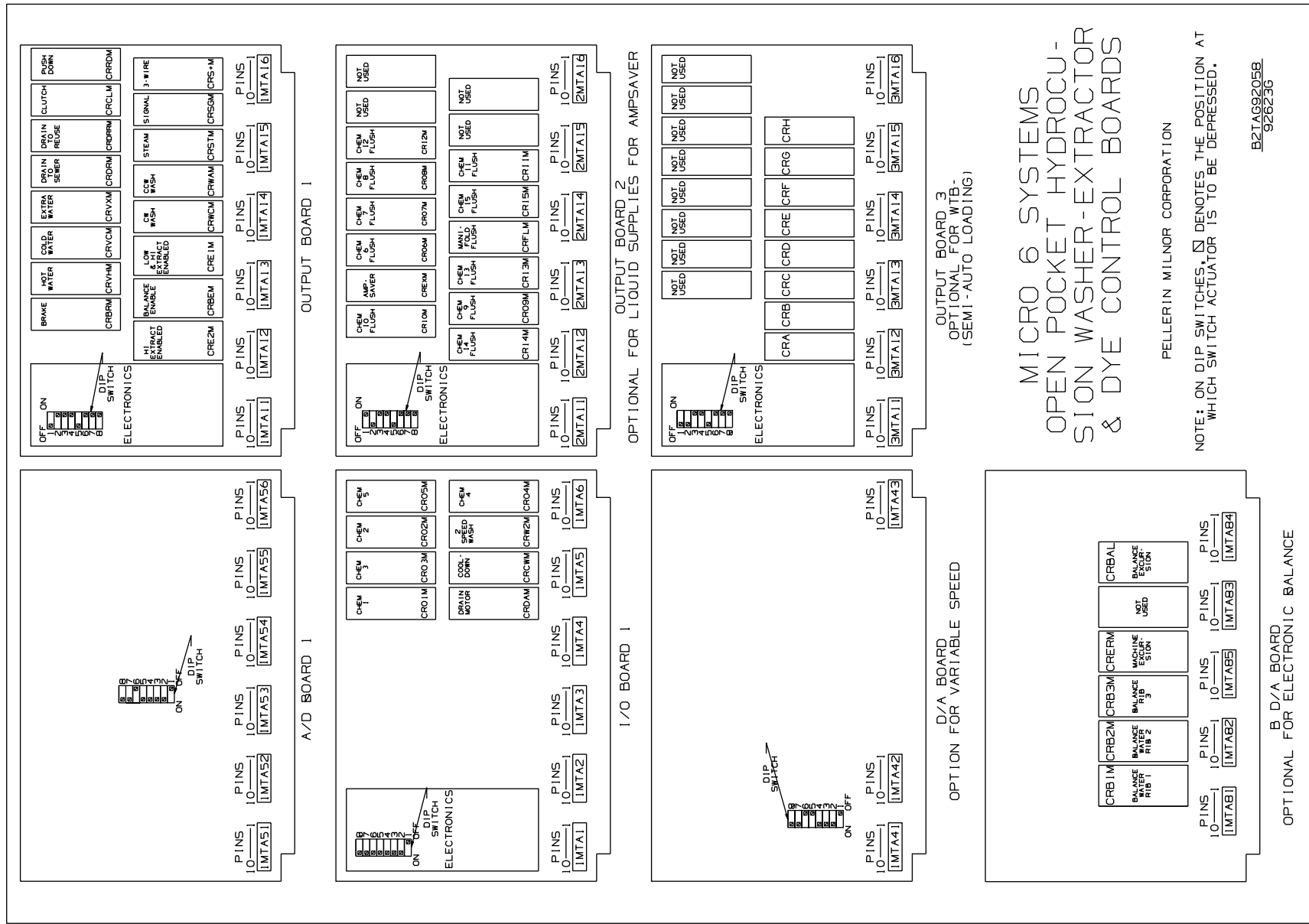
MODIFIED FOR MULTIPLEX INPUT & TEMP. PROBE BOARDS

PELLERIN MILNOR CORPORATION

- NOTES:**
1. IMTA38 IS LOCATED ON BMT (MULTIPLEX INPUT BOARD)
  2. IMTA3, IMTA4 ARE LOCATED ON 810-1 (OUTPUT-16 INPUT BOARD)
  3. TBR, TBS, TBT ARE LOCATED IN LOW VOLTAGE CONTROL BOX

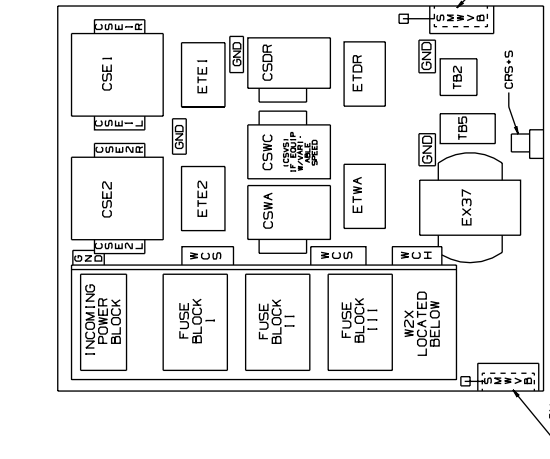


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17



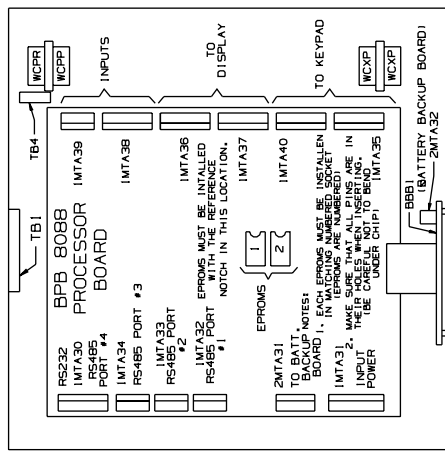
**MICRO 6 SYSTEMS**  
**OPEN POCKET  
 RIGHT BOX**

PELLERIN MILNOR CORPORATION  
 B2TAG96027  
 933176



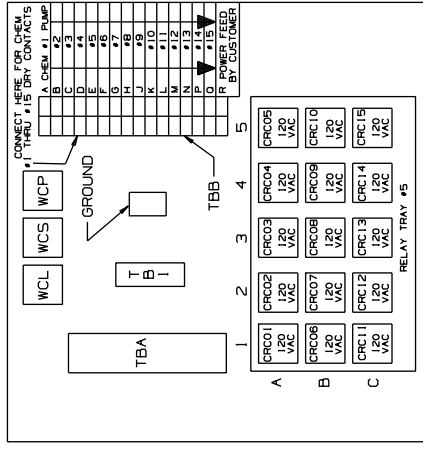
**MICRO 6 SYSTEMS**  
**MICRO 6 CONTROL PANEL (LEFT)**

PELLERIN MILNOR CORPORATION  
 B2TAG84008  
 925566



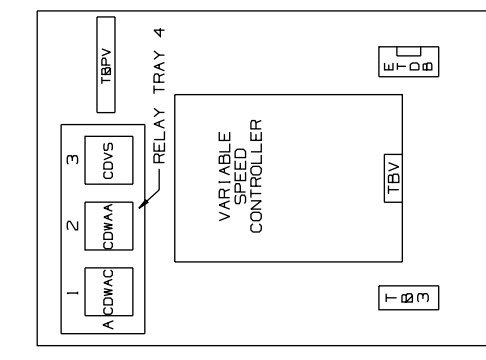
**MICRO 6 SYSTEMS**  
**8088 PROCESSOR CONTROL BOX**

PELLERIN MILNOR CORPORATION  
 B2TAG99058  
 925676



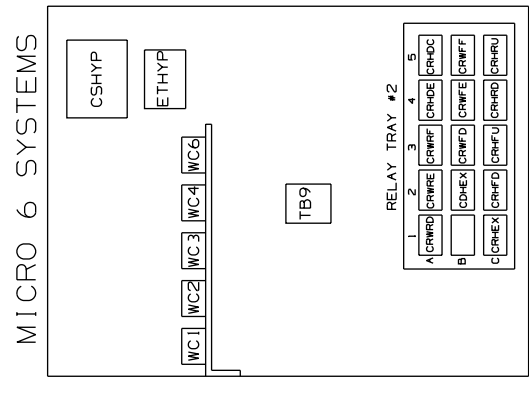
**MICRO 6 SYSTEMS**  
**SUPPLIES INTERPRET RELAY BOX**

PELLERIN MILNOR CORPORATION  
 B2TAG99065  
 925386



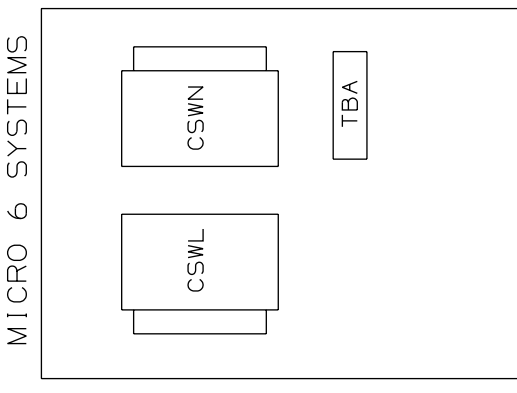
**MICRO 6 SYSTEMS**  
**VARIABLE SPEED  
 CONTROLLER BOX**

PELLERIN MILNOR CORPORATION  
 B2TAG89052  
 925366



**MICRO 6 SYSTEMS**  
**MICRO 6 TILT CONTROL BOX**

PELLERIN MILNOR CORPORATION  
 B2TAG84009  
 925366



**MICRO 6 SYSTEMS**  
**MICRO 6 SPEED WASH  
 CONTROL BOX**

PELLERIN MILNOR CORPORATION  
 B2TAG86089  
 925366

**WOWE15TAG**  
**MICRO 6 SYSTEMS**  
**SCHEMATIC : MACHINE TAGS**  
 PELLERIN MILNOR CORPORATION

MICRO 6 SYSTEMS SERIAL CONTROLS  
SCHEMATIC: BALANCING VALVES

W6WE1SEB

- NOTES:**
1. TBS IS LOCATED IN LOW VOLTAGE CONTROL BOX.
  2. LMTA13 IS LOCATED ON 0016-1 (16 OUTPUT BOARD)

