

Summary	Installing Gen3 Control Board				
Products Affected	Wyndstar Models WS and MT with the Ovitor Motor				
Key Word Tags	WS, MT, Carwash, Board				
Tools/Equipment (If Required)	Terminal Screw Driver, Wire Cutter, Wire Stripper				
Parts/Materials (If Required)	CONTROL BOARD,208/460V,KV2 R920184				
Related Media					
Author	Greg Grundl, RevA M. Burzlaff	Issue Date	2/17/2011	Status	Active

Please Read The Entire Bulletin Before Proceeding



The disconnect must be in the OFF position and properly locked and tagged before performing the next step of the procedure.

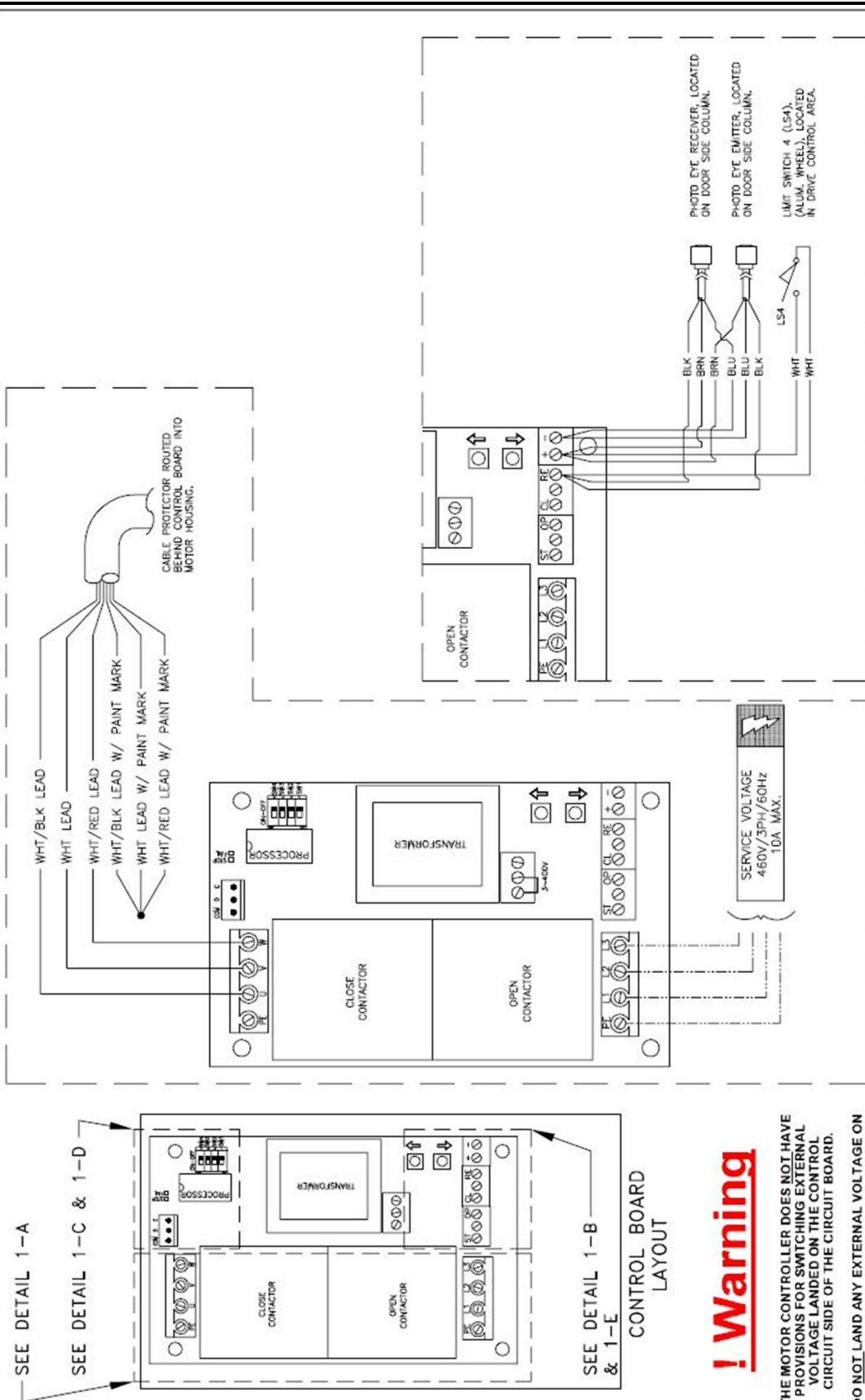
Consult supplied new wiring diagrams for changes to the wiring of the control board.

1. Remove all wiring from the old control board, noting the location of any external control wiring.
2. Locate the 2 white thermal switch wires that route under the board with the motor wires. One of the white wires should be connected to the red wire from the hand crank switch coming from the motor. Leave those connected as before.
3. Locate one of the black wires with the #3 printed on it. It should be the common wire previously located in the 3rd terminal from the bottom of the terminal strip on the old board.
4. Connect this wire to the other white thermal wire.
5. Remove all the jumpers from the lower right 8 pin terminal strip.
6. Terminate the black wire from the hand crank switch to terminal #2 from the left on the 8 pin terminal strip.
7. Terminate the black #4 wire from the stop terminal on the old board to the stop terminal #1 from the left on the new board.
8. Terminate the #2 black wire from the old board to the close terminal #4 from the left on the new board.
9. Terminate the #1 black wire from the old board to the open terminal #3 from the left on the new board.
10. Connect the existing photo eye wires. Terminate the two black wires from the eyes and the one white wire from the aluminum limit cam into the RE terminal #6 from the left on the new

control board. Terminate the other white wire from the aluminum limit cam and the two brown wires from the photo eyes into the positive (+) #7 terminal from the left on the new board. Terminate the two blue wires from the photo eyes into the negative (-) #8 terminal from the left on the new board.

NOTE: There are variations of wire colors on different vintages of controllers, specifically in the photo eye wiring. Be sure to refer to your original drawings to identify specific wires.

Please contact Rytec Customer Support at 1-800-628-1909 with any questions.



! Warning

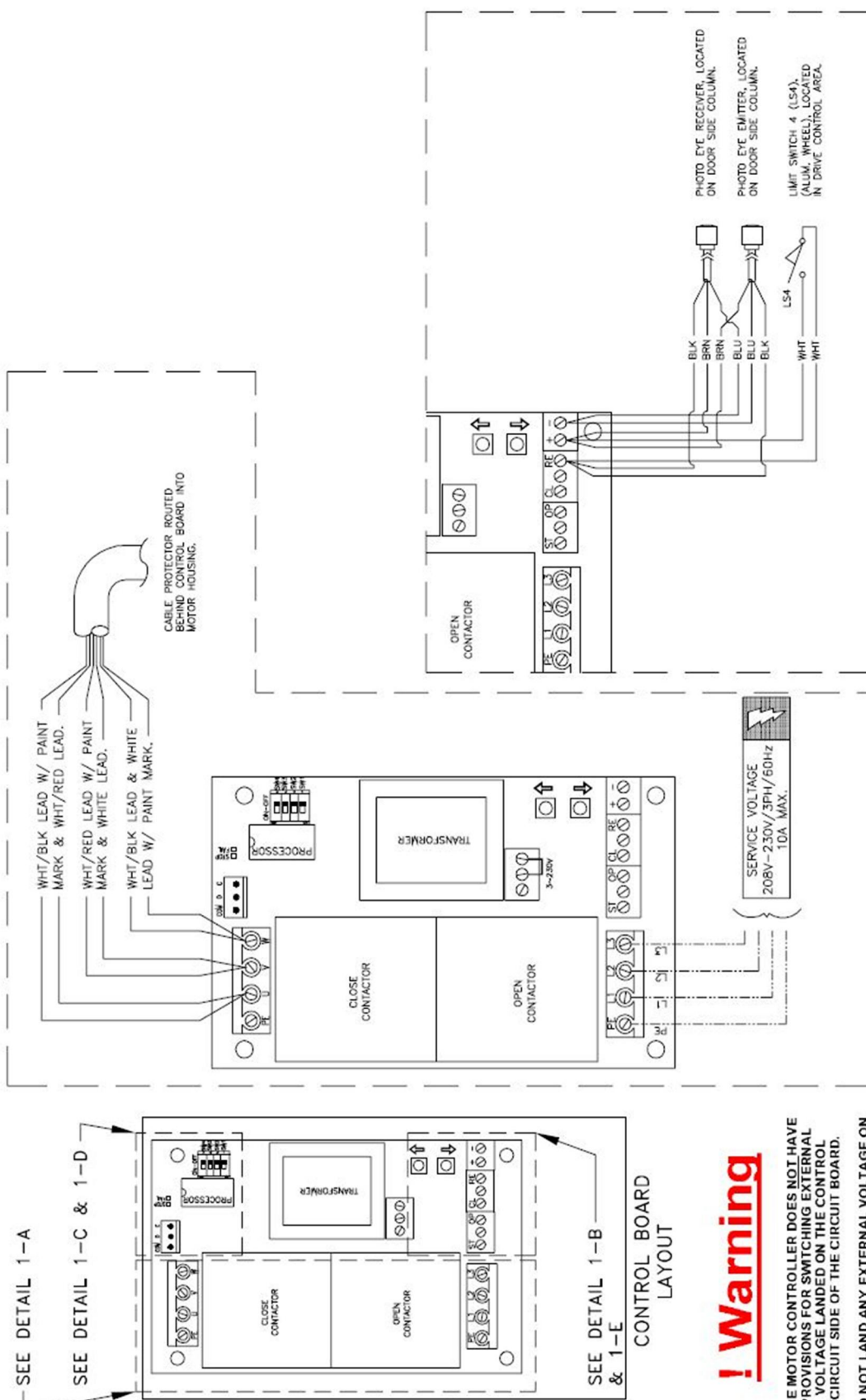
THE MOTOR CONTROLLER DOES NOT HAVE PROVISIONS FOR SWITCHING EXTERNAL VOLTAGE LANDED ON THE CONTROL CIRCUIT SIDE OF THE CIRCUIT BOARD.

DO NOT LAND ANY EXTERNAL VOLTAGE ON TO THE CIRCUIT BOARD OTHER THAN THE INCOMING 3 PHASE POWER.

ALL CONTROL FUNCTIONS MUST BE ROUTED FROM THE DOOR CONTROLLER THROUGH A SET OF NORMALLY OPEN DRY CONTACTS OR RELAY CIRCUIT TO ISOLATE THE WASH CONTROLLER FROM THE DOOR CONTROLLER.

FOR WILDHIGH LEG 3 PHASE POWER, SEE WARNING LOCATED WITHIN THE POWER CONNECTIONS SECTION

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ELECTRICAL CONNECTION DIAGRAM		WS3/MT DRIVE & CONTROL	
DRAWN BY: CME		REV. NO. WS3/MT- ALL DOORS	



DETAIL 1-B,
PHOTO EYE CONNECTIONS.

DETAIL 1-A,
MOTOR & POWER CONNECTIONS.

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FOR WILD/HIGH LEG 3 PHASE POWER, SEE
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ELECTRICAL CONNECTION DIAGRAM WS3/MT DRIVE & CONTROL			
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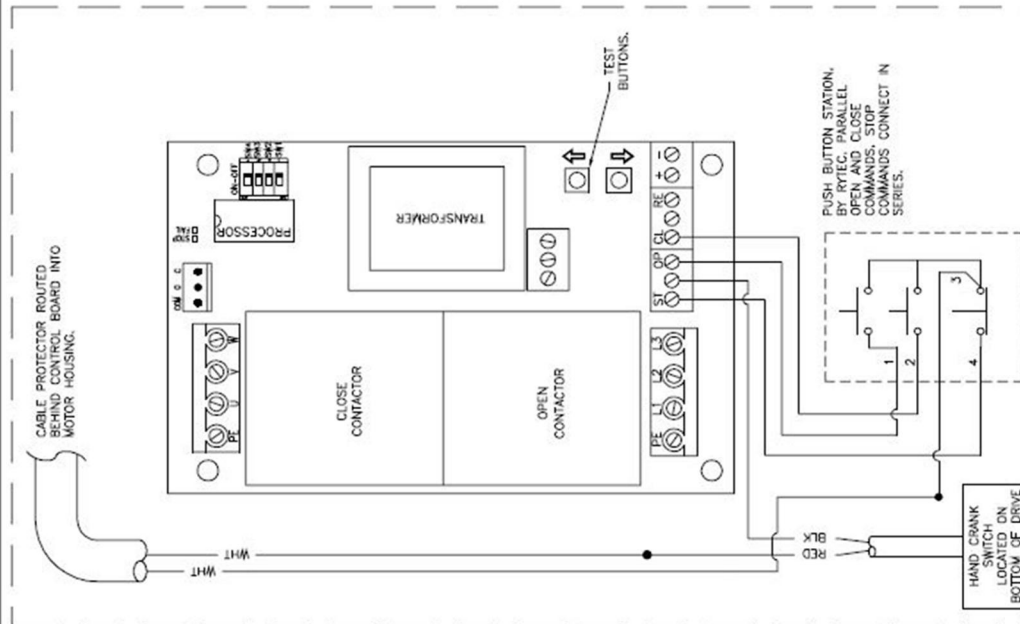
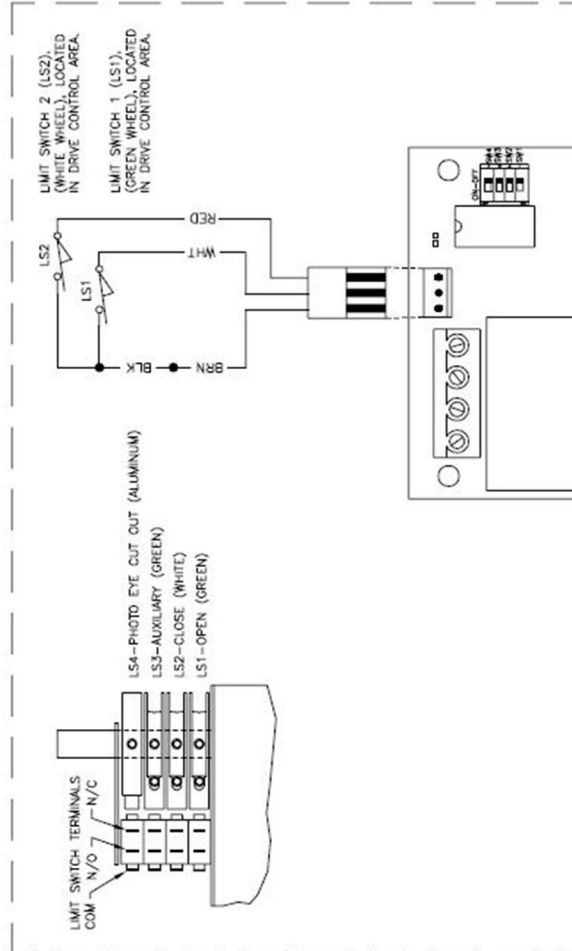
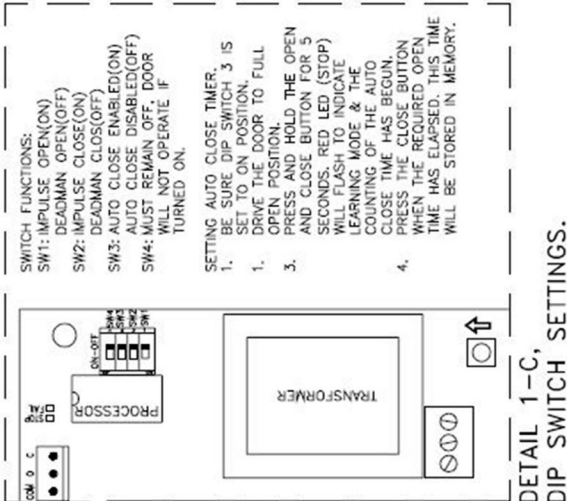
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