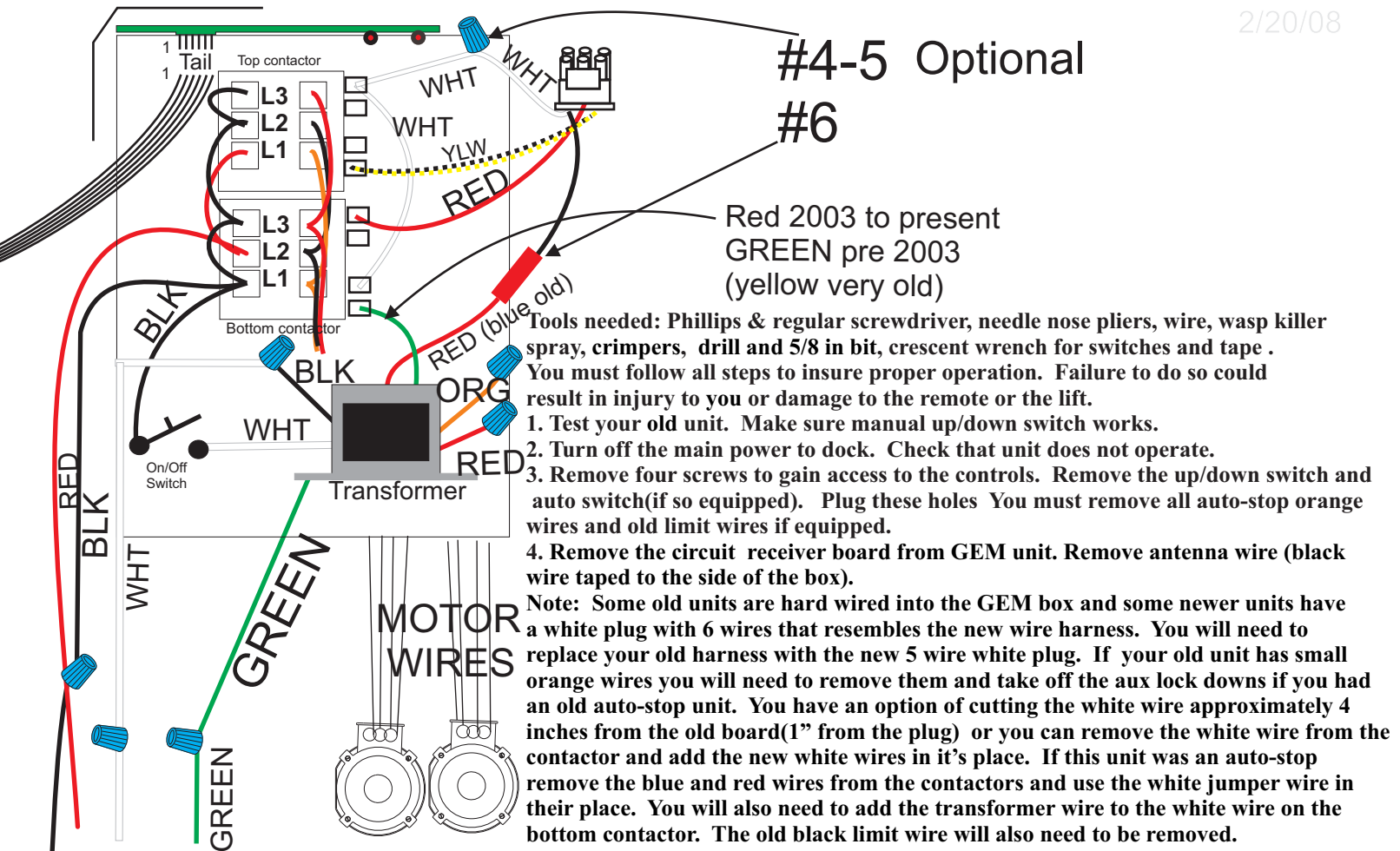


Radio Conversion Process to the new 2007 board PWC M/S 9/8/14

Conversion kit will not work with 110 Volt coil contactors. Your unit must have a transformer as shown in the diagram, not an outlet style calculator power supply. Unit can't be made into a Auto-Stop due to 110 ac volts limits you will need to buy whole new system.

2/20/08



5. The white wire should give the new board 24 Volts. Note: The transformer might have different color wires than what is shown here. It makes no difference what color wire is connected. The white gets power through a jumper wire on the contactor. Make sure that this is the case

6. Cut the other transformer wire that was attached to the black (+yellow & red very old) small wires from the old board. Cut off the old butt splice at the red transformer wire (blue). Crimp on the new black wire (using red butt splice) to the red transformer wire (blue).

7. You should now have only have 2 old wires attached to the top and the bottom contactor. Remove only 1 wire at a time and replace with the same color wire. The yellow wire from the up/down switch gets replaced with the new yellow then do the same for the red wire.

8. Plug the new board into the new harness and attach to the top of box or in the same spot as the old board. It is advisable to have the LEDs facing outward. You might have to turn a stand off if it is in the way. You are going to need to drill a hole in the side or the front of the box. Make sure the membrane is in a spot that is easy to operate and make sure the tail can reach the receiver board. Also make sure when you drill the hole that it will not hit anything on the inside. Drill the hole in the exact spot that the tail leave the back of the sticker. It is advised to stick the new board to same spot you put the membrane switch. This will strain relief the tail also tape the tail on the inside of the cover or side wall to protect it from ripping if opened quickly. use the double stick tape to adhere to the box. Tape the antenna to the side of the box, make sure the antenna wire is as straight as possible. Do not cut antenna wire.

9. Attach the membrane switch tail to the board one side of the tail is marked # 1 is and it should go on the left, test the switches if only one button works then reverse the tail.

10. When you turn on the GEM system you should see a red LED flash. The transmitter should have been programmed by Gem Remotes. If your new three button blue transmitter, press the learn button. The Learn LED will light up on the receiver board. Press the stop button on the remote. The learn LED inside the box should flash the remote should now work. Only three button transmitters (7240) will work with this unit.

Parts: PWC m/s, 2 face card plugs, 7240, sp-7004, sph-7004 double tape.