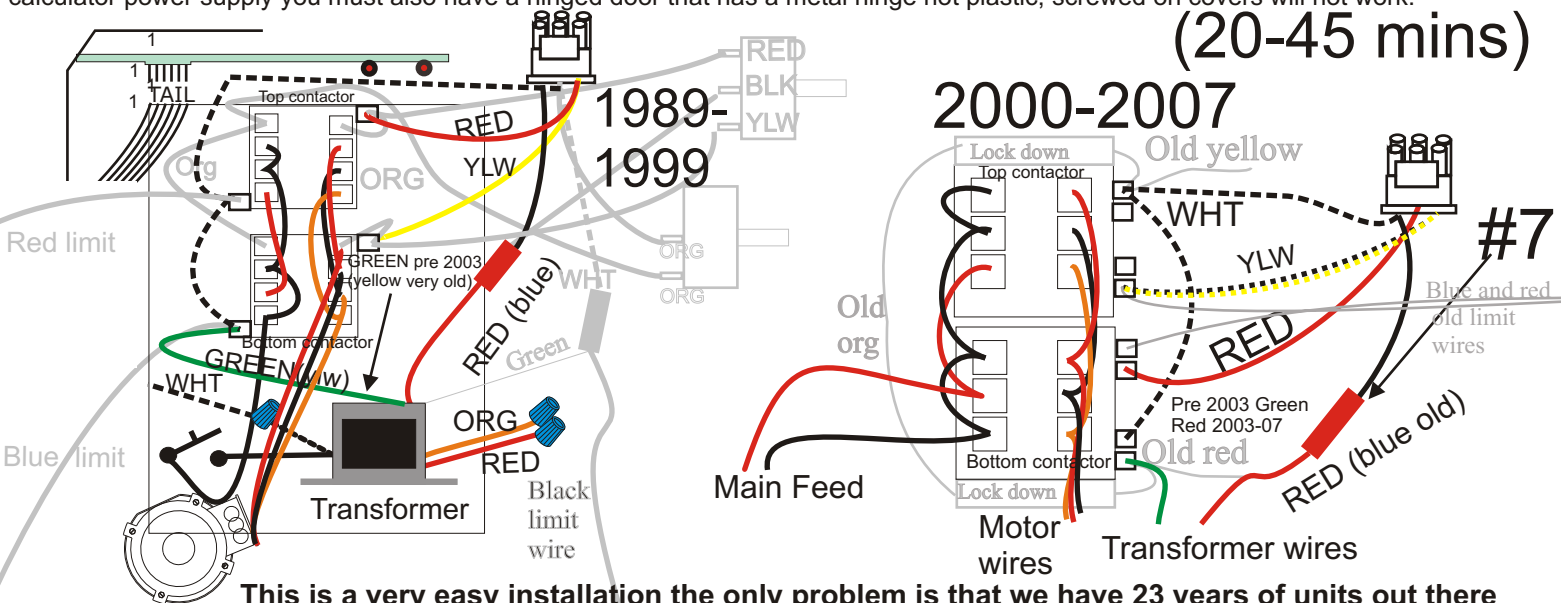


# K7004A UPGRADE from 8833 or 5003 Auto-Stop Switch

6/17/08

Conversion kit will not work with 110 Volt coil contactors. Your unit must have a transformers as shown in the diagram, not an outlet style calculator power supply you must also have a hinged door that has a metal hinge not plastic, screwed on covers will not work.



This is a very easy installation the only problem is that we have 23 years of units out there and we were not consistent with parts and/or wires so when you open up the GEM box and look inside your going to say there is no way I can do this. The old units are a rat's nests of wires but all those small wires get removed also more than half the switches get removed and replaced by the new membrane switch face card with 1/5 of the wires than the old unit. Please go **STEP BY STEP** and you will not have a problem. Do not start yanking out wires this will cause problems. You must follow all steps to insure proper operation. Failure to do so could result in injury to you or damage to the remote and/or the lift.

**Tools needed:** A Phillips & regular screwdriver, needle nose pliers, wasp killer spray, crimpers, crescent wrench (for switches), a magic marker, cordless drill(for speed) and tape.

1. Test your old unit. Make sure manual up/down switches works.
  2. Turn off the main power to dock. Check that unit does not operate.
  3. Remove the four screws to gain access to the controls. Remove the on/off and a level switch only from the old face card(if so equipped) Don't remove the up/down, Auto-Stop and/or the learn switches plus their wires these are not used but leave them connected to the old card this will make things less confusing and faster installation.
  4. Pull out the receiver board and the antenna wire(blk wire taped to the side of the box). Let it hang.
  5. You will need to replace your old wire harness with the new five wire white plug even though you don't think so. If turning your old unit into an Auto-Stop you must have a limit switch. Remove the old blue and red limit switch wires from the contactor and replace them with the new white wires from the new harness. All old limit switch wires and relays get removed.
  6. Follow the yellow wire that comes off the up/down switch to the contactor and replace it with the new yellow wire. Do the same for the red wire. Remove the lock downs and the jumper wires plus all small org wires that are in gray above.
  7. Cut the transformer wire that is attached to the black wire on the middle of the up/down switch crimp the new back wire from the new harness to that transformer wire (red).
  8. The only old wire left attached should be the white wire going to the black limit wire. These get removed but the transformer wire attached needs to go to the bottom contactor it goes on with the new white jumper wire.
  9. Use the new face card and mark the position of top two led holes on the inside of the box. The new board should be placed in the upper left hand corner. Use the double stick tape to adhere the new receiver board to the top wall below the top of the standoff height. Line up the LEDs on the new electronic board with your marks. You might have to turn the "C" style standoff if it is in the way. If you have round standoffs tighten them (clockwise) so they don't spin when installing the new face card. Plug the new board into the new harness. Tape the antenna to the side of the box, make sure the wire is as straight as possible. Do not cut or add to the antenna wire. For emergency override you can reposition the up/down contactor below the emergency access hole (10 mins).
  10. 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 reverse the tail. Add a part number and date to the inside of the door "Gr\_A date."
  11. Turn on the GEM unit you will see a red LED flash, it should shine through the new face card LED holes. The transmitter (7240) was programmed by Gem Remote. If your new transmitter does not work, press the learn button once. The learn LED will light up. Now press the stop button on the remote. The LED should turn off programming is complete. Only three button transmitters(7240) will work with this unit.
  12. See page 2 KAWIRE GR\_ to GR\_A
- If you have any comments, questions or complaints please contact us. Bob@gemremotes.com 239-642-0873