StairMaster®

C40 CONTROLLER UPGRADE KIT INSTALLATION INSTRUCTIONS FOR THE CLUBTRACK® 510 AND CLUBTRACK 612 TREADMILLS

Tool List:

- 4-mm Hex wrench
- 2 x 13-mm Open end/box wrench
- Diagonal cutters - for tie wrap, if necessary

- Standard Screwdriver
- Needle-nose pliers or bent coat hanger

Parts List:

- Pn 040063-001 Upgrade Kit, C40 Treadmill Controller, English
  Includes:
  - Qty 1, Installation instructions
  - Qty 1, Controller housing assembly
  - Qty 1, Magnetic key

**A. Remove the treadmill trim cover and hood**

1. Turn off the circuit breaker switch on the treadmill and disconnect the power cord from the power outlet.

   WARNING

   ⚠ **TO AVOID ELECTRIC SHOCK, DO NOT REMOVE TREADMILL HOOD OR PLACE YOUR HANDS BENEATH THE TREADMILL WHILE THE TREADMILL IS PLUGGED INTO A POWER SOURCE.**

2. Use a standard screwdriver to push in and turn the 2 quarter-turn fasteners located in the front trim cover counterclockwise. Pull the front trim cover off the main frame and allow it to rest on the ground with the power cord running through it.
3. Use the two 13-mm open end/box wrenches to remove the 2 front hex head screws that attach the hood to the main frame.
4. Use the 4-mm hex wrench to remove the two hex screws on each side, which secure the sides of the treadmill hood. Lift the treadmill hood up and pull it backward over the belt to remove it from the main frame.

4-mm screw

13-mm hex screws

4-mm screw

Quarter-turn fasteners
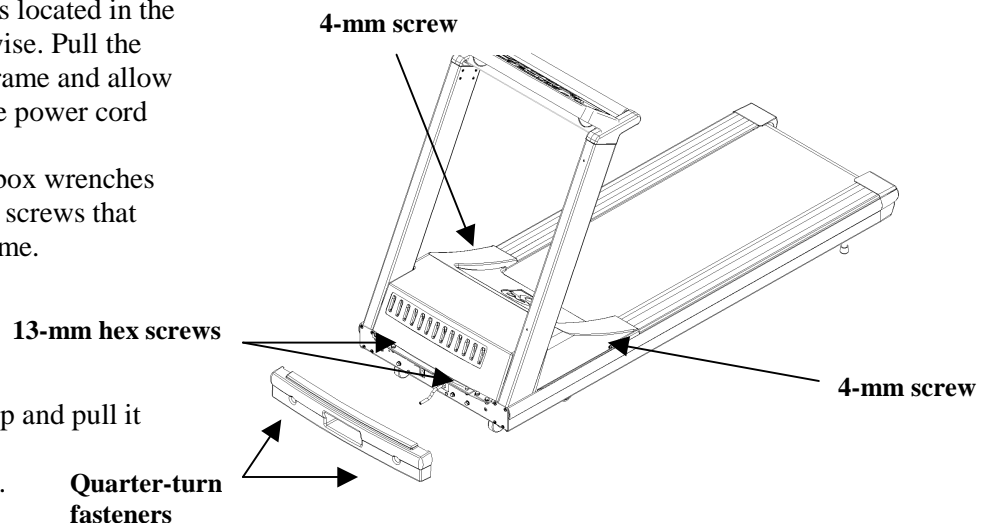
B. Remove the old controller from the treadmill

1. Note the routing of the old communication cable. Disconnect the old communication cable from the drive board. Next, release the old communication cable from the plastic clamp.
2. Unsnap the ferrite from the old communication cable and set aside for future use. If the old communication cable has any tie wraps holding it in place, cut the tie wraps off.
3. Place the connector end of the old communication cable in the upright to allow easy removal of the controller with the cable attached.
4. Use the 4-mm hex wrench to remove the 4 hex screws and lock washers on each upright.
5. Position yourself on the treadmill in front of the controller and grab each side of the controller housing. Slide the controller up off the uprights, pulling the communication cable along with it.
6. Remove the communication cable from the right upright bracket by sliding the cable out from the bracket access hole.

C. Install the new C40 controller on the treadmill

1. *It is recommended that you have someone assist you with this step*. Pick up the new C40 controller with the handrails facing you, and stand on the belt facing forward.
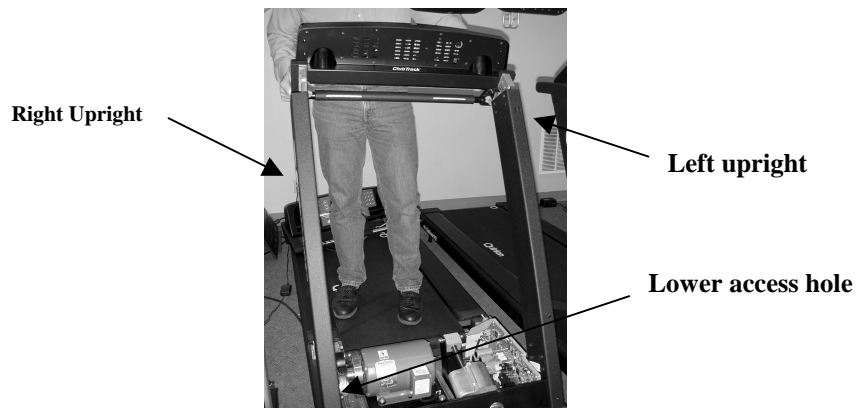

2. Slide the left side of the controller into the left upright.
3. Allow the front part of the right side of the controller to rest on the opposite upright. Note: Do not block the upright opening.
4. Insert the new communication cable connector into the right upright. If possible, look down inside the right upright and try to position the connector in front of the lower access hole.

5. Locate yourself in front of the lower access hole.
6. With a pair of needle-nose pliers, or a bent coat hanger, fish out a portion of the new communication cable from the lower access hole. Pull the lower part of the communication cable out and carefully extract the connector end from the lower access hole.

7. Reposition yourself in front of the controller and gently lift up on the right side of the controller.


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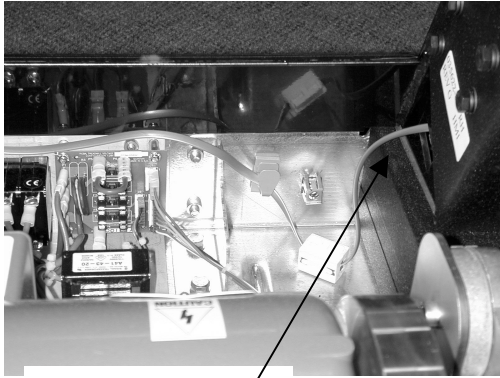
Lower access hole

8. Route the communication cable through the grooves on the controller inserts, and install the right side of the controller in the right upright. Note: Do not allow the cable to be pinched in the upright.
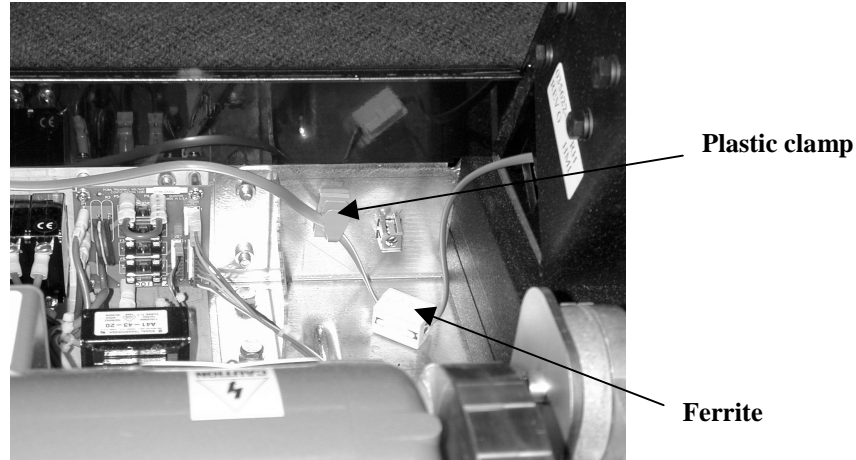

Communication cable
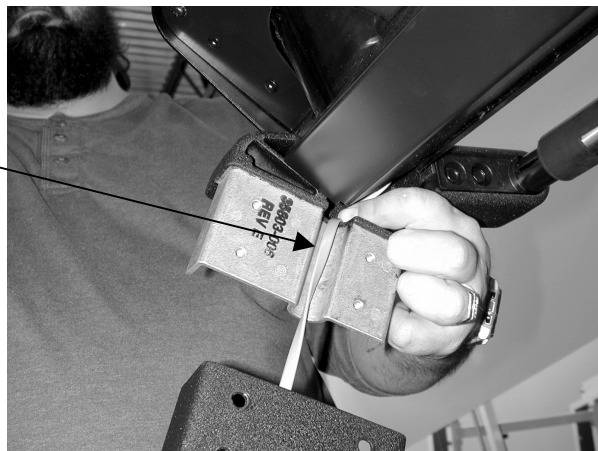
9. Secure the controller to the uprights using the original hardware.
10. Connect the communication cable to the drive board and route the cable against the frame.

Drive board
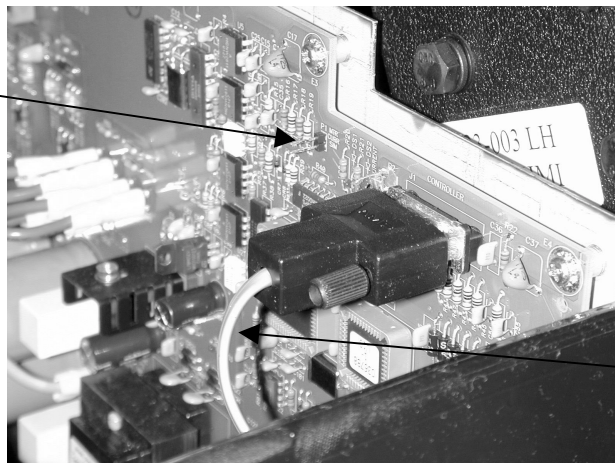
Communication cable

11. Secure the communication cable in the plastic clamp.
12. Snap the old ferrite on the new communication cable.

Plastic clamp

Ferrite

D. Reassemble the machine

1. Re-install the hood. Use the 13-mm open end/box wrenches to secure the two hex screws and washers in front, and the 5/32 hex wrench to secure the two hex screws on each side, that hold the treadmill hood.

2. Reinstall the front trim cover by attaching the quarter-turn fasteners as removed. Reconnect power, turn on the circuit breaker, and test treadmill operation:

- Configure the controller for the appropriate treadmill model (ClubTrack® 510 or ClubTrack 612):

  - Press [+], [8], [0], [ENTER]. The controller will display the current configuration, or "CONFIG REQD."
  - Use the [Speed: +], and the [Speed: -] keys to scroll through the different machine model types.
  - Press [ENTER] to select the correct model type. Configure the ClubTrack 510 treadmills to "1-10MPH TM 0-12" and the ClubTrack 612 treadmills to "1-12MPH TM 0-15."

- Verify that the treadmill belt starts and stops correctly:

  - Press [START BELT]. The belt should start slowly and gradually speed up to the minimum 1-MPH starting speed. Press the [Speed: +] and [Speed: -] keys, and verify that the belt speeds up and slows down appropriately.
  - Press [STOP BELT]. Verify that the belt stops correctly.

For telephone assistance, contact your local distributor or the Technical Service Department of StairMaster Health & Fitness Products, Inc. at 1-425-823-1825 from 0600 AM – 1700 PM PST Monday through Friday.