

## Procedure 6.4 - No Resistance

**Note:**

The term resistance in this case refers to the physical opposition to the downward movement of the stairarm. That is, the greater the resistance, the slower fall rate and the lesser the resistance the faster the fall rate.

**Note:**

If the stairclimber is unused for 30 seconds, power is removed from the magnets. While testing the stairclimber for resistance, it is necessary to periodically move one of the stairarms to prevent the stairclimber from timing out.

1. Set the circuit breaker in the **on** position and enter the manual program. Set the work level to level 1 (maximum resistance).
2. If you stand on the stairarms, the fall rate should be slow. If the fall rate is too fast, continue to use the stairclimber and note whether a stepping rate is displayed. If the stepping rate is 0, troubleshoot the speed sensor per procedure 6.5. If a stepping greater than 0 is displayed continue with step 3.
3. Refer to Diagram 5.3 and verify that the magnets are wired exactly as shown. If any of the wiring is reversed, the resistance will be incorrect.
4. Using a voltmeter, check the voltage across any of the four magnet coils. The voltage across the magnet coil, at work level 1, should be approximately 60 Vac. Check each of the four magnet coils in this manner.
  - a. If all four magnet coils have the correct voltage, repeat step 3. If you have performed all of the previous procedures and have been unable to locate the problem, contact Precor Customer Support.
  - b. If one or more magnet coils have the correct voltage and one or more magnet coils have 0 Vac or very low voltage, check all of the wiring connections and wires in Diagram 5.3. Look for poor connections or open wires. If you have performed all of the previous procedures and have been unable to locate the problem, contact Precor Customer Support.
  - c. If all of the magnets coils have 0 Vac or very low voltage, verify the wiring and connections between the lower PCA and the magnet coils. Look for poor connections and open wiring. If the wiring is good, continue with step 5.
5. Using a voltmeter, check the voltage between terminals 1 and 5 of P5 on the lower PCA. The voltage across the magnet coil, at work level 1, should be approximately 60 Vac. If the voltage is correct, repeat step 4c. If you have performed all of the previous procedures and are unable to locate the problem, contact Precor Customer Support.

5. If the voltage in step 4 is 0 Vac or very low, check that the three light emitting diodes on the lower PCA are lit. If the display is illuminated and one of the three LEDs is not lit, replace the lower PCA.
5. If the display is not illuminated, go to procedure 6.3.
6. If you have performed all of the previous procedures and are unable to locate the problem, contact Precor Customer Support.