

Procedure 6.8 - Replacing the Safety Switch Assembly

The exploded view of the safety switch assembly is shown in Diagram 6.9.

Removing the Safety Switch Cam

1. Remove the three screws that secure the upper display housing to the display housing mounting plate.
2. Place your right hand on the two right upper display housing mounting tabs. Place your left hand on the left tabs. Push the right tabs towards the right targa upright and the left tabs towards the left targa upright as you lift the display housing from the mounting plate. Support the display housing on the front handrails.
3. If you are removing the safety switch cam as well as the safety limit switch...

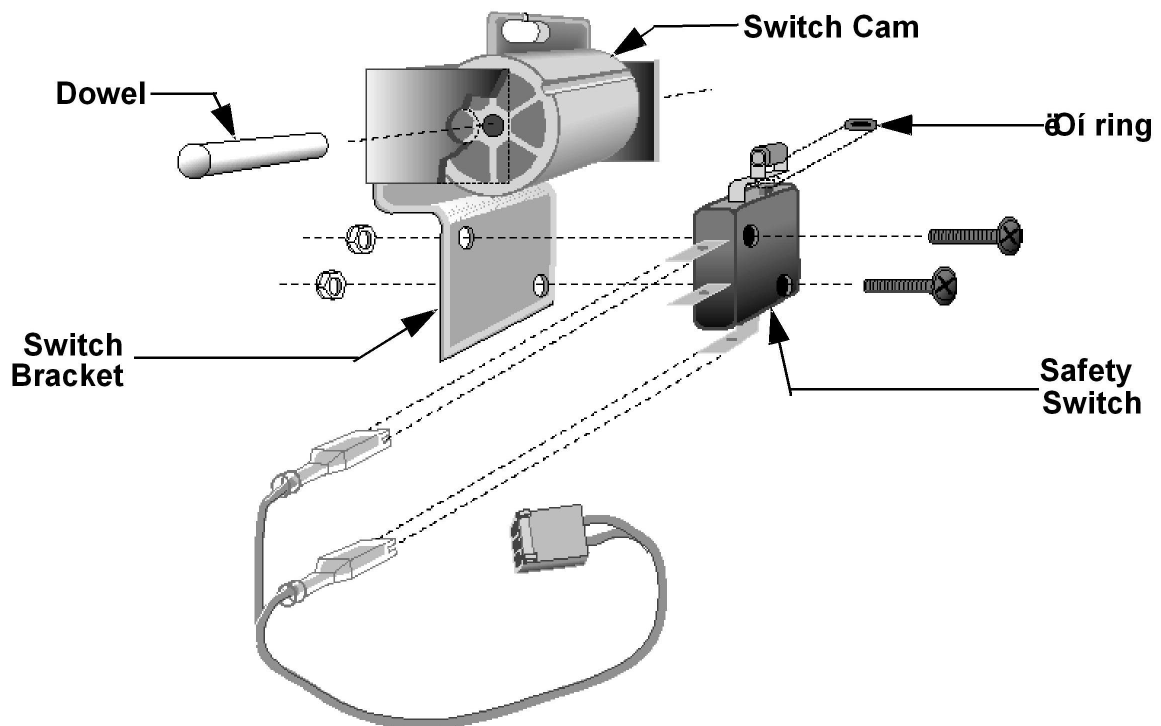
THEN...

Continue with the next step.

OTHERWISE...

Skip to Step 6.

Diagram 6.9 - Safety Switch Assembly



4. Disconnect the safety cord from the switch cam (see Diagram 6.10).
5. Remove the dowel that secures the switch cam to the switch mounting bracket (see Diagram 6.10). Set aside the safety switch cam.

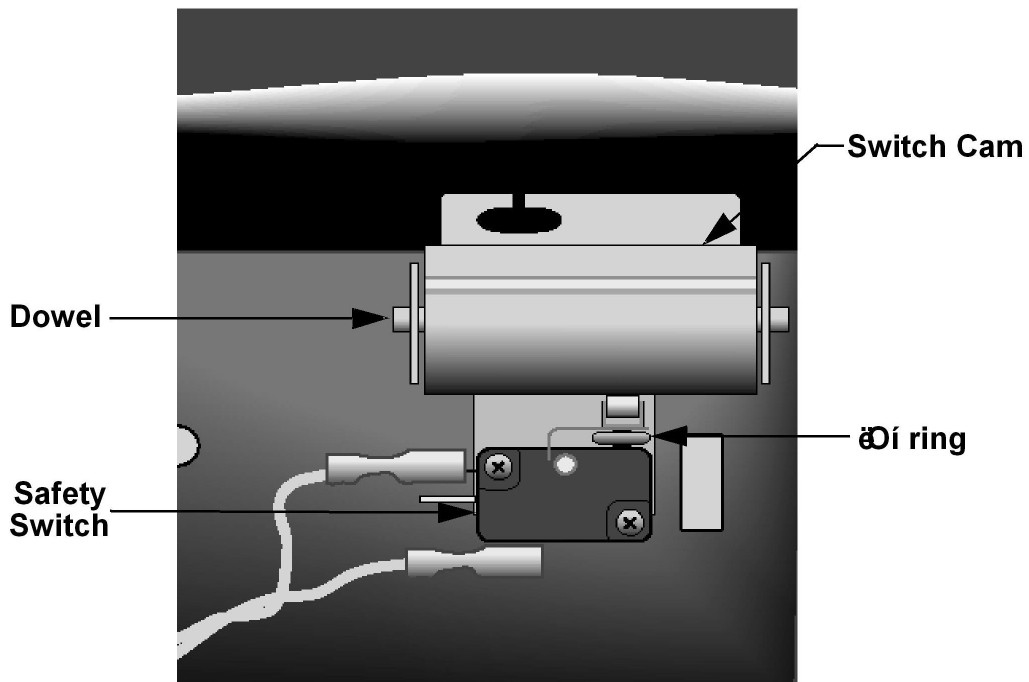
Removing the Safety Limit Switch

6. Disconnect the safety switch wiring.
7. Remove the screws and nuts that secure the safety switch to the switch mounting bracket.
8. Remove the small rubber ring positioned between the safety switch actuator and the switch cam.

Replacing the Safety Switch

9. Position the small rubber ring removed in the previous step between the safety switch actuator and the switch cam.
10. Position the safety limit switch at its mounting location.

Diagram 6.10 - Safety Switch Cam and Safety Cord Bracket



11. Replace the screws and nuts that secure the safety limit switch to the switch mounting bracket.
12. Connect the safety switch wire assembly to the upper PCA.

Replacing the Safety Switch Cam

13. If the safety switch cam operates too freely, the switch may operate unintentionally. If desired a friction pad (Precor part # 38628-101) may be inserted between the safety switch cam and switch mounting bracket.
14. Position the safety switch cam at its mounting location.
15. Replace the dowel that secures the switch cam to the switch mounting bracket.

Note:

One end of the dowel will go into the switch cam easier than the other end.

16. Line up the tabs on the display housing with the holes on the display housing mounting plate.
17. Gently press the display housing onto the mounting plate until the tabs are pushed into the holes.
18. Connect the safety cord on the switch cam.
19. Replace the screws that secure the upper display housing to the display housing mounting plate.
20. Check the operation of the treadmill as described in Section Three of this appendix.