

# 700S & 800S Stepper Slack Switch and Cable

Kit No. **SK-17520**

Instruction Sheet

**NOTE:** This instruction sheet describes how to replace the slack switch, switch arm and cable on a 700S and 800S Cybex Stepper and calibrate the switch arm.

## Tools Required

- Phillips head screwdriver
- Small flathead screwdriver
- Wire cutters
- 1/4" Nutdriver

1. Read and understand all instructions thoroughly before installing this kit.
2. Verify kit contents. See Figure 1.

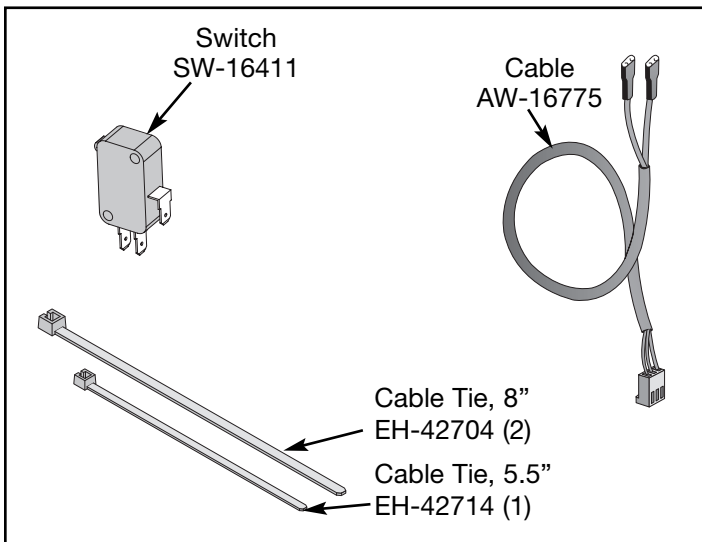


Figure 1

**! WARNING:** Disconnect the power cord before beginning this procedure.

## 3. Disconnect the external power source.

- A. Turn the main power switch in the front panel to the off (O) position.
- B. Unplug the power cord from the power outlet.

## 4. Remove the plastic cover.

- A. Using a Phillips head screwdriver, remove the screws that fasten the plastic cover to the frame. **NOTE:** On the 800S you will have to slide the upright collar up to get at the screws underneath it.

## 5. Disconnect the motor cable and slack cable.

- A. Disconnect the motor cable and slack cable from the lower board. See Figure 2.

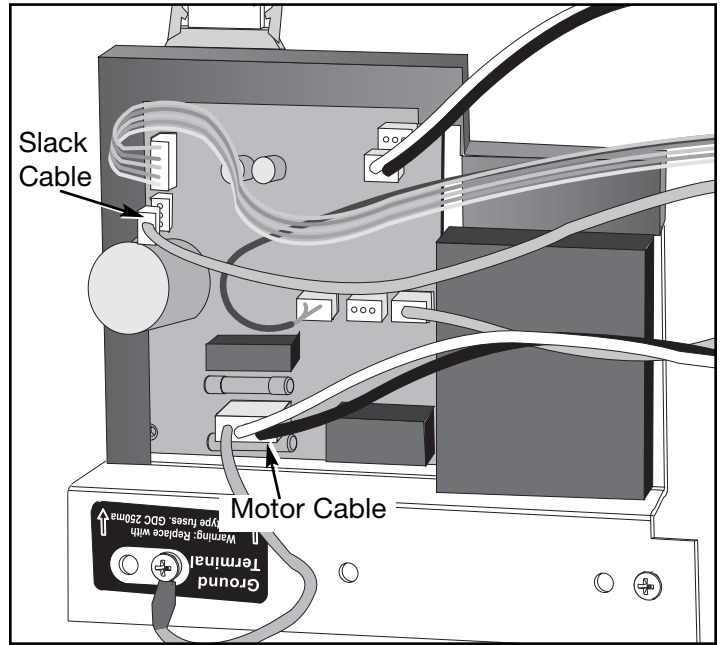


Figure 2

- B. Using wire cutters, carefully cut the three cable ties that hold the slack cable in place (on the frame and on the motor bracket, and around the motor). **NOTE:** Be extremely careful not to cut any wires when cutting cable ties.

## 6. Remove the old switch and cable.

- A. Using a 1/4" nutdriver and a small flathead screwdriver, remove the two screws, two washers, two spacers and two nuts that hold the switch in place. See Figure 3. **NOTE:** Keep the switch arm, washers, screws, spacers and nuts.

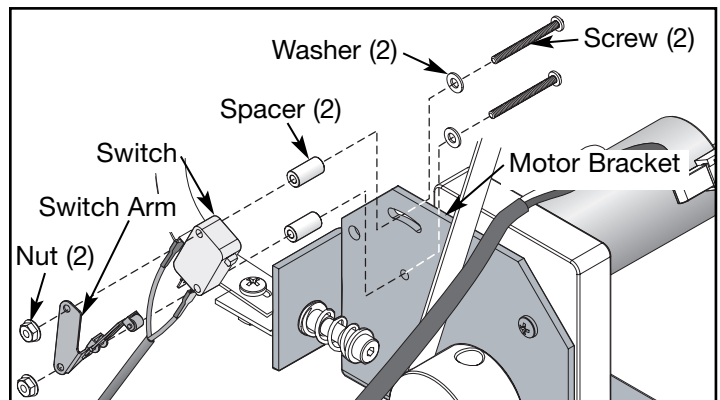


Figure 3

B. Discard the old switch and cable.

## 7. Prepare the new switch and cable.

- A. Locate the new switch and cable. See Figure 1.
- B. Push the fast-ons on the two outer fast-on ports (leaving the middle port empty). See Figure 4. **NOTE:** It doesn't matter which fast-on goes on which port.

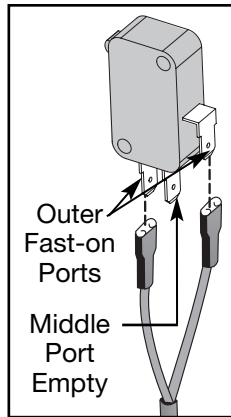


Figure 4

## 8. Attach the switch.

- A. Place the two screws through the two washers and bracket holes. See Figure 5. **NOTE:** Do not use the hole for the wire tie.

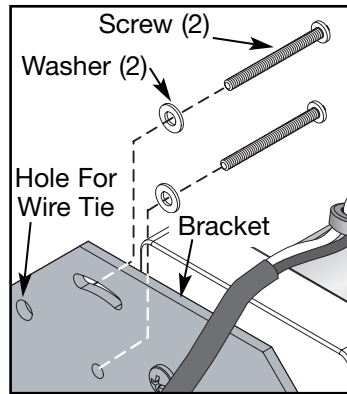


Figure 5

- B. Orient the switch arm and button to the right. See Figure 6.

- C. Place the two spacers, switch and switch arm on the two screws and loosely secure them with the two nuts. See Figure 6. **NOTE:** The switch should be loose enough to pivot easily until step 9C.

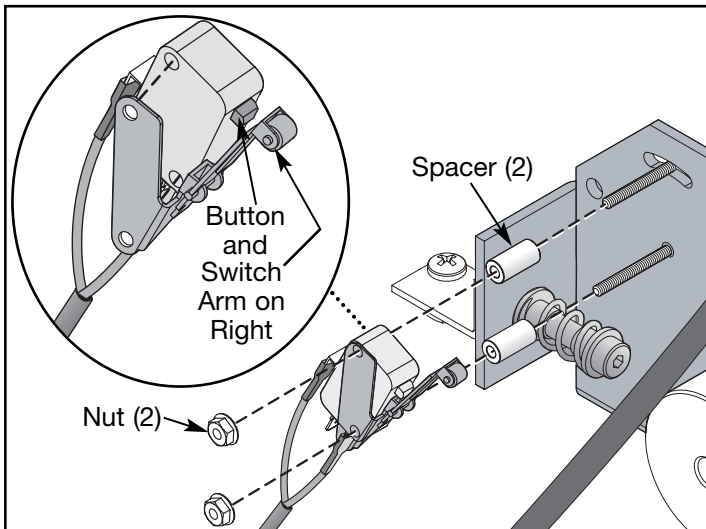


Figure 6

## 9. Calibrate the switch arm.

- A. Tighten the belt by turning the motor shaft counter-clockwise until the spring is compressed and the two bushings inside the spring touch each other. See Figure 7. **NOTE:** When you let go of the motor shaft the spring will decompress slightly.

- B. When the belt is taut rotate the switch toward the belt until the switch closes (you will hear it click). See Figure 8. **NOTE:** Hold the switch in place until the next step.

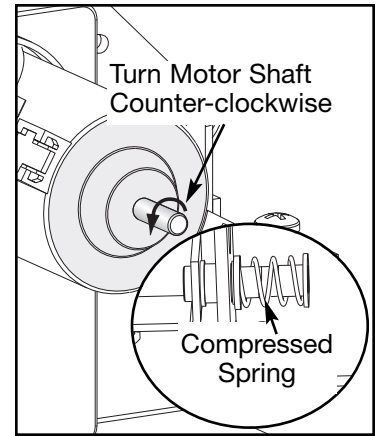


Figure 7

- C. Using a 1/4" nutdriver and a small flathead screwdriver, secure the switch by tightening the two screws and nuts that hold it in place.

## 10. Connect the cables.

- A. Connect the motor cable and the slack cable to the lower board. See Figure 2.

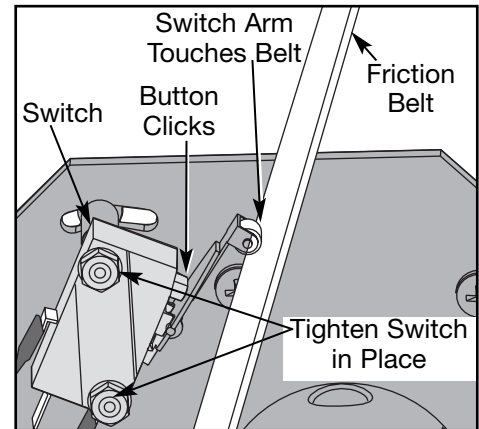


Figure 8

- B. Using the three cable ties provided tie back the cables where the ties were removed in step 5B. **NOTE:** The 700S cable will be extra long. Arrange the excess cable in a loop and tie it with the wire tie provided.

## 11. Attach the plastic covers.

- A. Place the plastic covers in position, being careful not to pinch the cables.
- B. Secure the covers to the frame using the Phillips head screws removed in step 4A. **NOTE:** The shorter screws go in the bottom holes.

## 12. Test the unit for proper operation.

- A. Reconnect the power cord to the power outlet.
- B. Turn the main power switch in the front panel to the on (I) position.
- C. Operate the unit at all levels to verify proper operation.