SERVICE BULLETIN

10TRx Data Cable Bundle Replacement

Applies to: 10TRx (9-9271 + 9-9274)

🔍 **Enhanced Images:** Pictures can be zoomed in to any level for detail. Use the standard zoom tools for your platform to zoom in.

Required Tools:

- #2 Phillips Screwdriver
- 15mm Socket
- 19mm Socket
- Ratchet Wrench
- Torque Wrench
- Cable Fishing Wire
- Electrical Tape

Required Parts:

- 220-0313 "ASSY, WIRE BUNDLE, DISPLAY-BASE, 10 TR"

⚠️ Two people are required for this procedure.

⚠️ The edges of the frame and handrail weldments are sharp.

1. If a spare, known good, data cable or data cable bundle is available, run the data cable on the outside of the unit to test if replacing the cable resolves the issue BEFORE doing a complete internal cable replacement.

2. Turn off the power switch AND unplug the treadmill from the wall.

3. Use a #2 phillips screwdriver to remove the four (4) screws securing the motor compartment shroud to the frame, then remove the shroud.
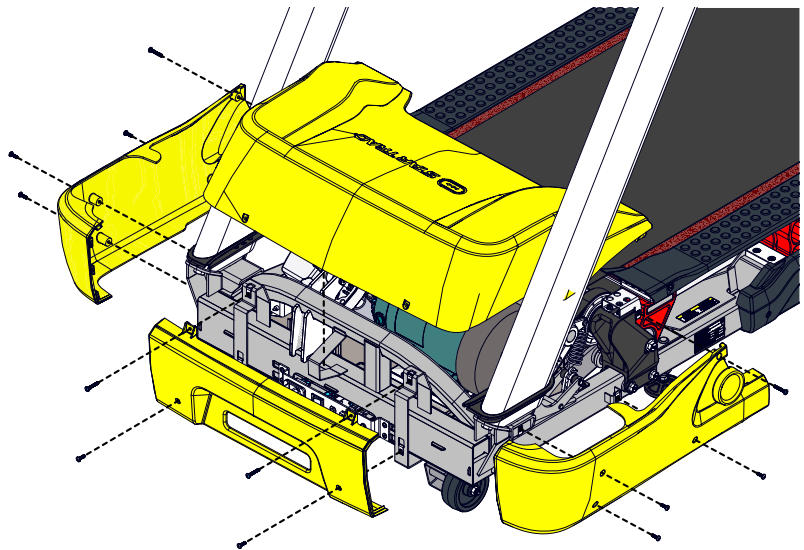

Fig. 1

Fig. 2

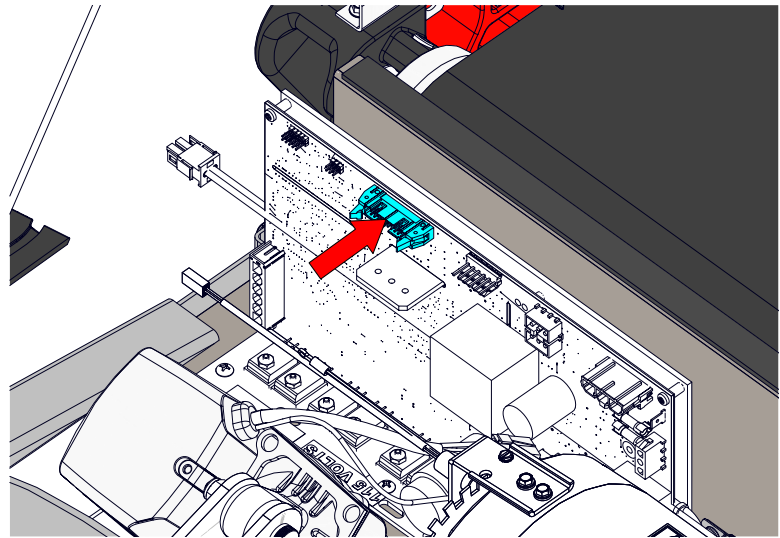**4.** Unplug the data cable from the motor control board (MCB).

5. Use a #2 phillips screwdriver to remove the eight (8) screws securing the front console assembly to the rear console shroud, then carefully tip the front of the console forward to expose the electronics.
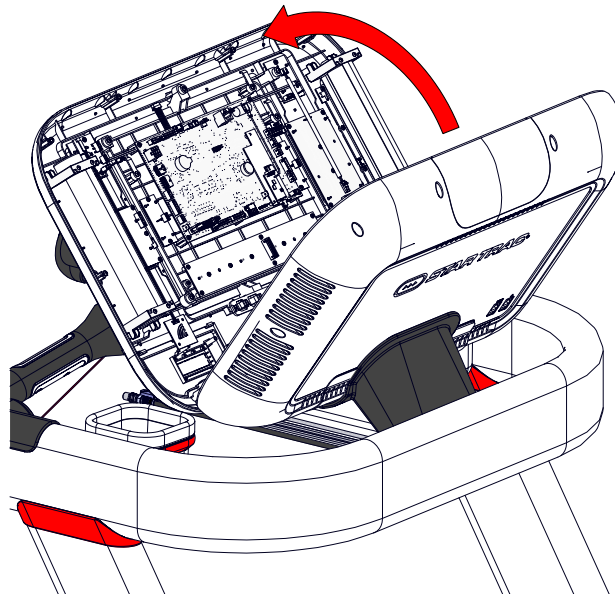

Fig. 3

6. Unplug the data cable from the console electronics.

7. If a spare data cable is available, connect it to the MCB and console, routing it on the outside of the treadmill.

8. Plug the treadmill back into the wall and flip the power switch to power the treadmill on. If the issue still occurs, the problem is NOT the data cable. If the issue is resolved, continue on to Step 9 to replace the data cable bundle.

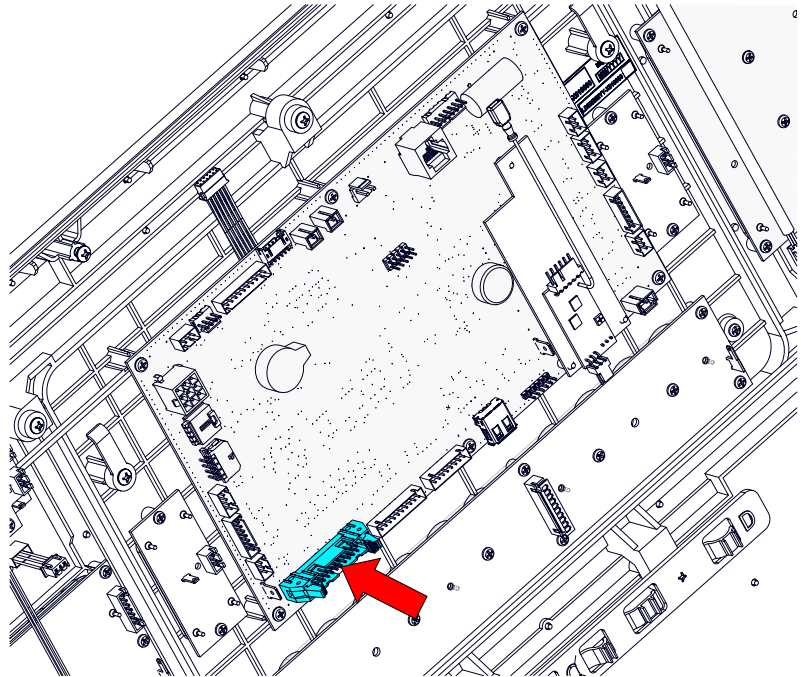⚠️ **Do not touch any part or piece inside of the motor compartment while the treadmill is powered on.**

Fig. 4

9. Unplug all of the cables that are part of the data cable bundle from the console electronics, then remove the console front.

10. Unplug all of the cables from the MCB that are part of the data cable bundle, then push the motor compartment end of the cable bundle through the access hole in the frame so that all of the bundle is inside the right upright weldment.

TECH TIP: Take a picture of where the cables plug into the console and MCB to help with connecting the new cable.
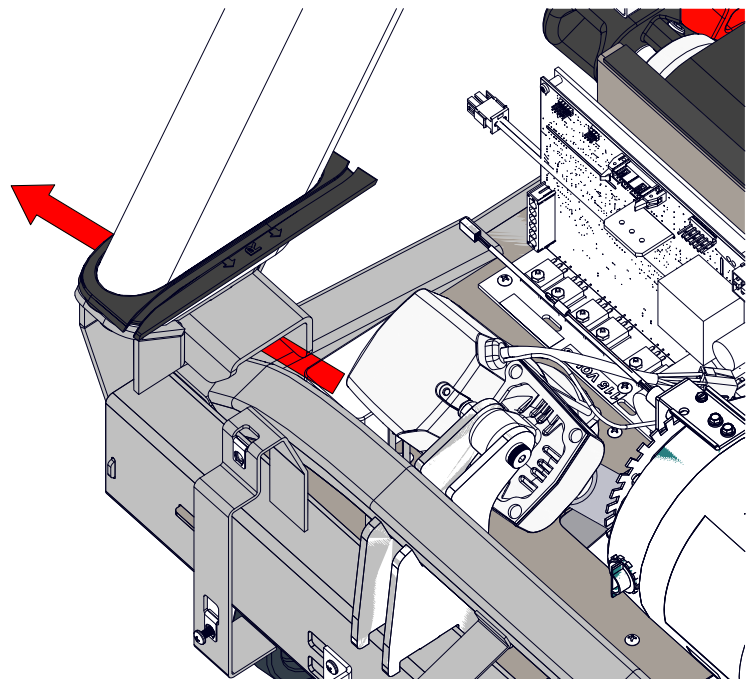

Fig. 5

11. Use a ratchet wrench with a 15mm socket to remove the eight (8) hex head screws securing the handrail assembly to the upright weldments.

When reinstalling the handrail in Step 15, the screws MUST BE torqued to 35 Ft-Lbs (48Nm).
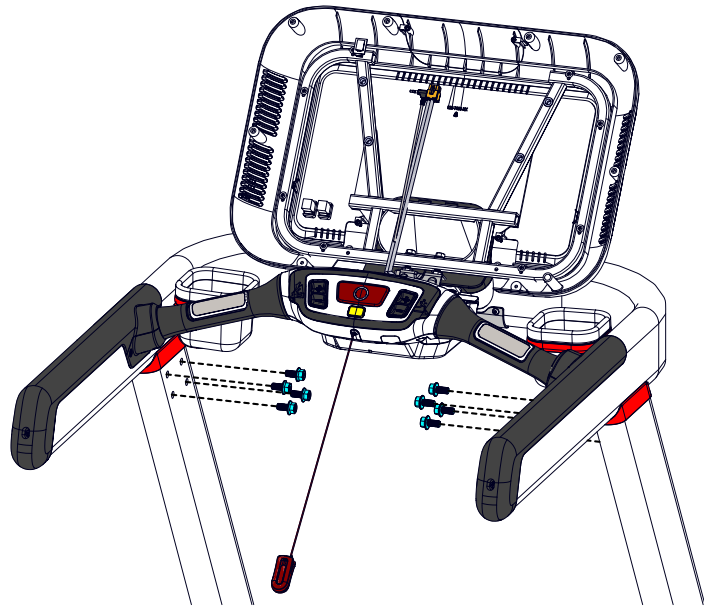

Fig. 6

12. Remove the handrail assembly from the uprights.

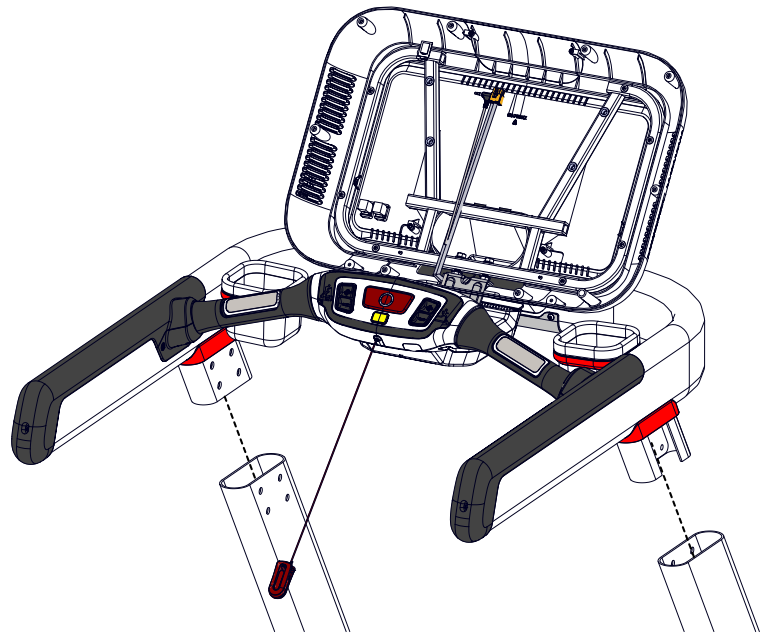⚠️ **Notice:** Ensure that the handrail beauty rings are not upside down when reinstalling.

Fig. 7

13. Attach the console-side of the new wire bundle to the MCB-side of the old wire bundle using electrical tape, then pull the old bundle out through the top of the handrail while feeding the new bundle into the bottom of the handrail.

TECH TIP: Use a #2 phillips screwdriver to remove the access panel on the underside of the weldment to help with cable routing.
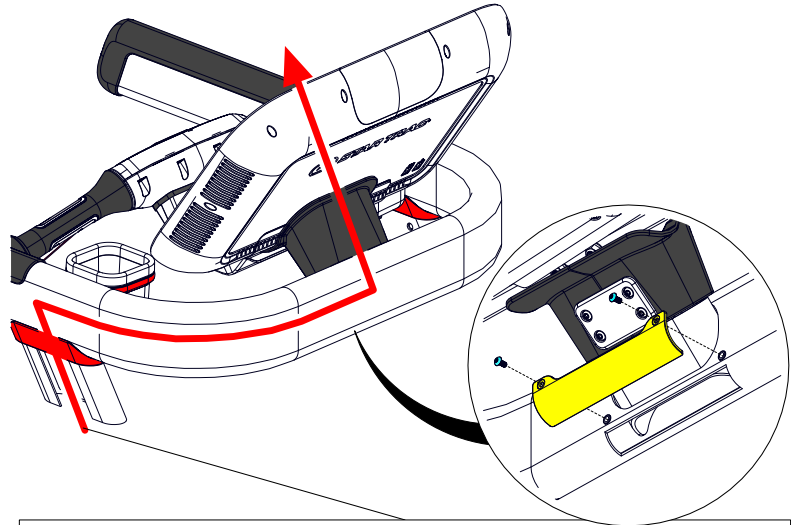
Attach console-side of new wire bundle to MCB-side of old bundle.

Fig. 8

14. Use a ratchet wrench with a 19mm socket to loosen the right side swedge bolt, then remove the right side upright weldment.

TECH TIP: If the swedge won't release, use a mallet to tap the bolt to help un-stick the swedge.
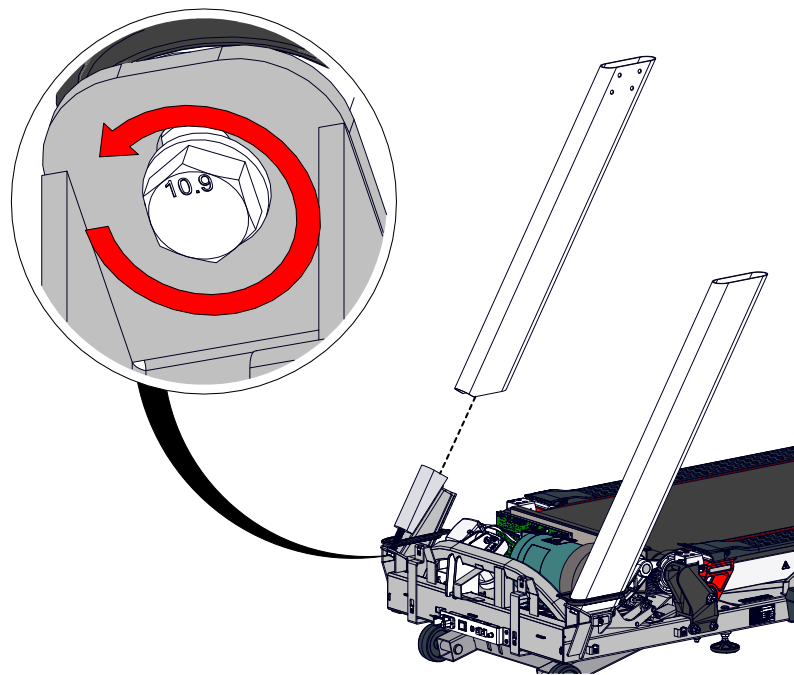

Fig. 9

15. Route the MCB-end of the cable bundle down through the right side upright weldment.

16. With the bundle routed, reinstall the right side weldment, then use a torque wrench with a 19mm socket to torque the swedge bolt to **50 lb-ft / 68 Nm.**
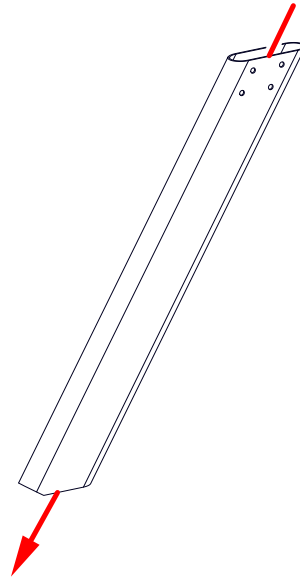
Fig. 10

17. While one person installs the handrail assembly onto the upright weldments, the second person needs to feed the cable bundle from the outside of the frame into the motor compartment.

18. Plug in all of the cables from the cable bundle into both the MCB and the console. Refer to the pictures taken in Step 10 if needed.

19. Reinstall console front using the screws removed in Step 5.

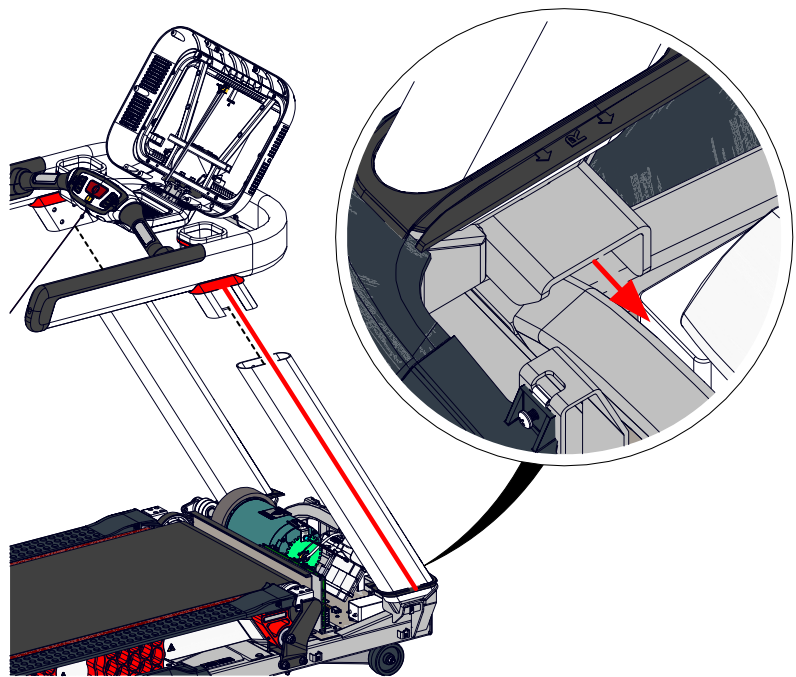**20.** Reinstall the shrouds removed in Step 3, then power on the treadmill and test for functionality.

Fig. 11