

## Procedure 6.1 - Troubleshooting the Lower and Upper Ribbon Cables

### Fault Isolating the Lower Ribbon Cable

1. Turn off the climber with the circuit breaker, then unplug the power cord from the wall outlet.

#### **WARNING**

Before continuing with this procedure, review the Warning and Caution statements listed in Section Nothings you Should Know.

2. Using the screwdriver, remove the two screws that secure the power entry module to the climber frame. Pull the module out of the climber.
3. Disconnect the lower ribbon cable from the lower PCA.
4. Slide the enclosure collar up on the column.
5. Disconnect the lower ribbon cable from the upper ribbon cable (see Diagram 6.1).
6. Connect the spare ribbon cable between the lower PCA and the upper ribbon cable.
7. Check the operation of the climber as described in Section Four.
8. Disconnect the spare ribbon cable from the lower PCA and the upper ribbon cable.
9. If the climber operated correctly when the spare ribbon cable was installed...

#### **THEN...**

The original lower ribbon cable is bad; install a new cable as described in Procedure 7.10.

#### **OTHERWISE...**

The original lower ribbon cable is not bad; continue with the next step.

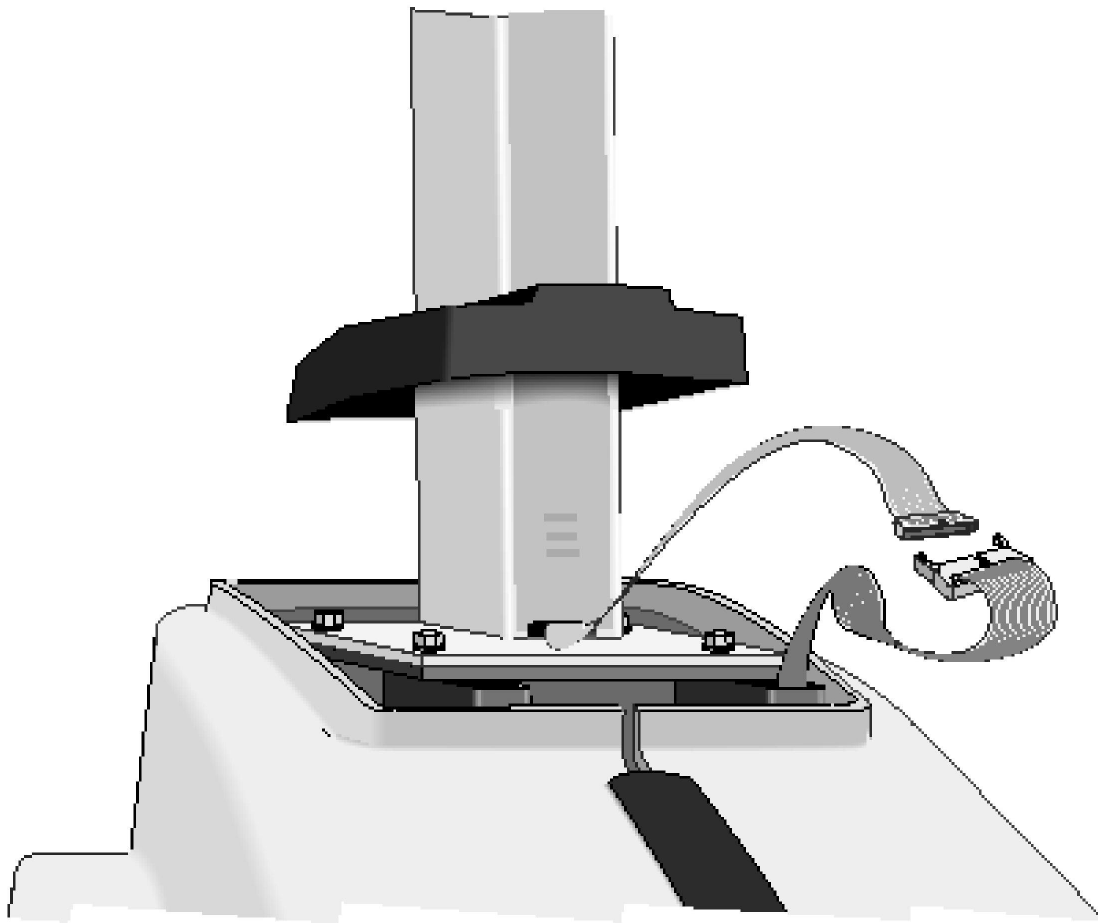
### Fault Isolating the Upper Ribbon Cable

10. Remove the screws that secure the display housing to the display base plate.
11. Push each set of tabs towards the edges of the base plate as you lift the display housing.

#### **Note:**

Turn over the display housing and support it on the display base plate while you perform the following steps.

**Diagram 6.1 - Upper and Lower Ribbon cables**



12. Disconnect the ribbon cable from the upper PCA.
13. Connect the spare ribbon cable between the upper PCA and the lower ribbon cable connector.
14. Connect the original lower ribbon cable to the lower PCA.
15. Check the operation of the climber as described in Section Four.
16. Disconnect the spare ribbon cable from the Upper PCA and the lower ribbon cable.
17. If the climber operated correctly when the spare ribbon cable was installed...

**THEN...**

The original upper ribbon cable is bad; install a new cable as described in Procedure 7.10.

**OTHERWISE...**

The original upper ribbon cable is not bad; continue with the next step.

18. Support the display housing while you connect the original upper ribbon cable to the upper PCA.
19. Connect the original upper and lower ribbon cables to each other.
20. Line up the tabs on the display housing with the tab holes on the display base plate.
21. Gently press the display housing onto the display base plate until the tabs are pushed into the holes on the base plate.
22. Replace the screws that secure the display housing to the display base plate.

**Note:**

Gently push any excess cable into the column.

23. Slide the enclosure collar down the column and over the column mounting screws. Press down to ensure a snug fit.
24. Slide the power entry module into the climber. Using the screwdriver, install the two screws that secure the power entry module to the climber frame.
25. Check the operation of the climber as described in Section Four.