

# Miller's

Adaptive Technologies

## INSTALLATION INSTRUCTIONS

### DYNAMIC COIL SPRING (FOR AXIAL ROTATION OF THE FOOT AND ANKLE) PRODUCT: 33450 - 33458

**TOOLS NEEDED: 3/16" HEX KEY**

**Purpose:**

This Dynamic Coil Spring is a heavy-duty coil that attaches over the top of the upper hanger and lower extension tube components. It is used as an interface between those components to allow resistive rotational movement of the lower extension tube and footplate. A controlled resistive rotation may aid to prevent breakage of static wheelchair footrest components including hangers and footplate mounts. This device allows resistive rotational movement of the lower extremity, at the foot and ankle, and then returns the lower extremity to a preferred starting position. This device can also provide additional client benefits, such as increased sitting tolerance, while simultaneously reducing discomfort /pressure and reducing ongoing expensive repairs. This device attaches to the wheelchair footrest hanger and is secured in place with two split shaft collars.

**Precautions:**

The installation of this device may require the removal of OEM fasteners and adapters that lock the lower extension tube in place inside of the footrest hanger. Care should be taken at the time of installation to insure that lower extension tube remains inserted into the OEM hanger. The lower extension tube should rotate inside of the OEM hanger, but may cause the finish of the lower extension tube to be worn away inside of the hanger. **Miller's assumes no responsibility for injuries which may result from improper installation or use of this device.**

**Directions:**

Step 1. Use a 3/16" hex key to loosen the fasteners and remove the bottom half of both of the split shaft collars from the device.



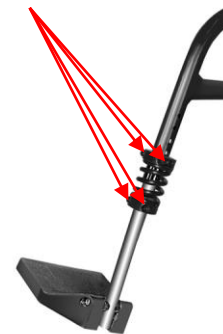
Step 2. Remove any fasteners or adapters that secure the OEM lower extension tube inside of the hanger and slide the larger diameter collar over the hanger so that the hanger protrudes approximately halfway through the coil.



Step 3. Insert the lower extension tube through the lower collar and up into the ID of the footrest hanger.  
**\*The lower extension tube must insert into the hanger.**



Step 4. Adjust the position of the lower extension tube inside of the hanger to accommodate the knee-to-heel distance required for the client. Tighten all four of the fasteners.



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