

## INSTALLATION INSTRUCTIONS

### DYNAMIC ROM LEG-EXTENSION DEVICE

PRODUCT: 33610 Series

TOOLS NEEDED: 3/16" HEX KEY, 1/8" HEX KEY

#### Purpose:

This innovative product was designed for users who display strong extensor spasticity leading to ongoing breakage of wheelchair frames or standard footrest hangers and mounts. The device allows resistive movement downward and outward of the lower extremities during extension and articulation then returns the lower extremity to a preferred starting position. This can also provide additional benefits with increased sitting tolerance, reducing discomfort and pressure while reducing ongoing expensive repairs. This device attaches to the wheelchair by inserting the alignment/saddle post into the footrest hanger receiver and is secured in place with a 1" or 1-1/8" mounting collar bracket attached to the receiver down-tube. The device can be rotated out of the way, or removed entirely from the chair, by pulling the spring loaded plunger release mechanism.

#### Precautions:

The installation of this device may cause the footrest to interfere with the rotation of the caster wheels. Care should be taken at the time of installation to insure that there is sufficient space between the back edge of the footplate and the caster wheel. If the footplates come in contact with the front casters, it is possible that the wheelchair could topple forward and the person in the chair could sustain injury. Individuals that have strong flexor (bending) movement pattern of the knees that cause the footplates to pull inward toward the caster wheels should be carefully evaluated before using this device. If this device comes in contact with the wheel during normal use, it should be adjusted to prevent this from happening, or be removed entirely. **Miller's assumes no responsibility for injuries which may result from improper installation or use of this device.**

#### Directions:

Step 1. Do not loosen the bolt at the top of the alignment/saddle post. It has been configured to fit your 1"OD or 1-1/8"OD tubing configuration in advance of receipt of goods.



Step 2. Loosen the 1/4"-28 bolts on the side of the mounting collar so that they are loose, but not disassembled from the split collar halves. Slide the mounting collar bracket up onto the receiver tube so that the "U" shape in the bracket is facing UP.



Step 3. Slide the Dynamic ROM Leg-Extension Device down onto the receiver so that the alignment/saddle post is fully inserted into the receiver tube.



Step 4. Slide the mounting collar bracket up onto the receiver tube so that the rear bracket of the Dynamic ROM LE Device is fully seated into the "U" shape of the collar mounting bracket. \*Pull pin to slide collar.



2023 Romig Rd. Akron, OH 44320

Toll Free (800)837-4544 \* Fax (866)572-2603

[www.millersadaptive.com](http://www.millersadaptive.com)

# Miller's

## Adaptive Technologies

Step 5. Release the spring loaded plunger pin to lock it into position into the hole of the mounting collar. Tighten the 1/4"-28 collar bolts using the 3/16" hex key.



Step 6. Remove the assembly once everything is aligned and then tighten the set screws on the sides of the mounting collar using a 1/8" hex key.



Step 7. This device can be rotated away from the receiver tube by pulling the spring loaded plunger, lifting the device until the rear of the device clears the "U" shaped bracket, and rotating the device while in the tube, or removing it entirely from the receiver tube.



Step 8. The Dynamic ROM Leg Extension Device should be locked into one of the down-most elevating positions while the chair is in transport in a motor vehicle.



**Note:** The Lower Extension Tube must be inserted a minimum of 1.5" into the receiver of the Dynamic ROM Leg Extension Device and should be selected to accommodate proper knee-to-heel distance of the client when the device is installed.



**2023 Romig Rd. Akron, OH 44320**

Toll Free (800)837-4544 \* Fax (866)572-2603

[www.millersadaptive.com](http://www.millersadaptive.com)