

TREADWALL® Microswitch – adjustment/replacement

(Treadwall Model M6 or later. See next page for M4 units pre 2018)

Parts and Tools Needed:

1. Pliers and small adjustable wrench

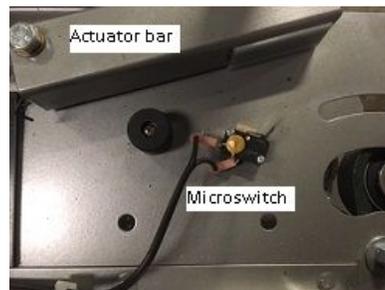
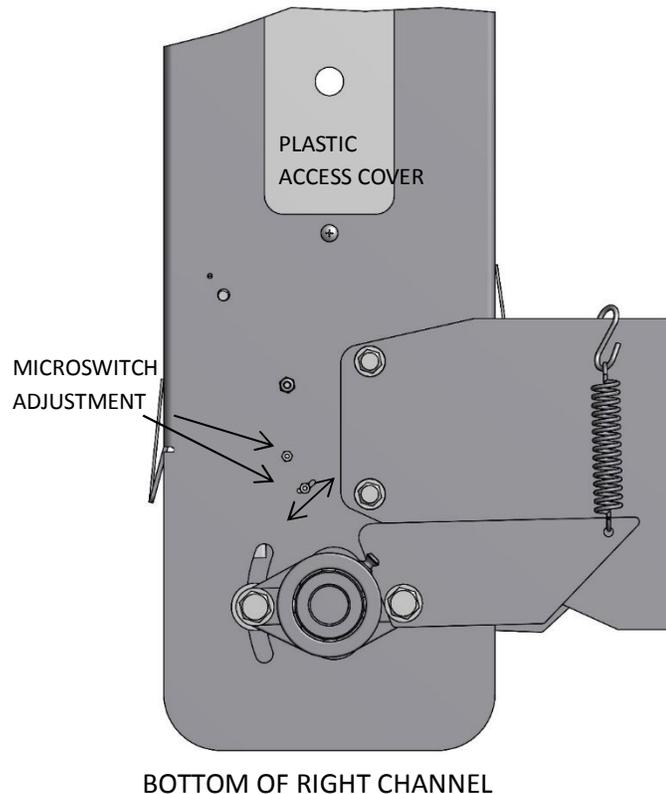
Procedure: (about 10 minutes)

The microswitch controls the downward motion of the Treadwall. When the climber's foot descends below a certain level, the weight activates a microswitch which sends power to a valve in the hydraulic system. If the brake doesn't activate or release properly, the switch may need to be adjusted for sensitivity.

1. Loosen the two small nuts on the outside of the channel that hold the microswitch in place.
2. Adjust the microswitch by pivoting it around its upper mounting screw (see diagram).
3. Retighten the small nuts (not too much force – they are very small!)
4. Test the wall and re-adjust if necessary.

If the microswitch needs replacing, remove the plastic access hole cover and all nuts and washers from the microswitch. Reach inside of the access cover and unclip the electrical wire from inside the channel and pull the microswitch out. Plug the new microswitch into the wire – it does not matter which connector goes to which terminal. Last, bolt in the new microswitch making sure to clip the wires back into place. Adjust as needed.

Figures:



INSIDE VIEWS: actuator and microswitch arrangements

Open - switch not activated, wall rotating



Closed - switch activated, brake on, wall stopped

TREADWALL M4 MICROSWITCH ADJUSTMENT AND REPLACEMENT

Parts and Tools Needed:

1. Needle nose pliers

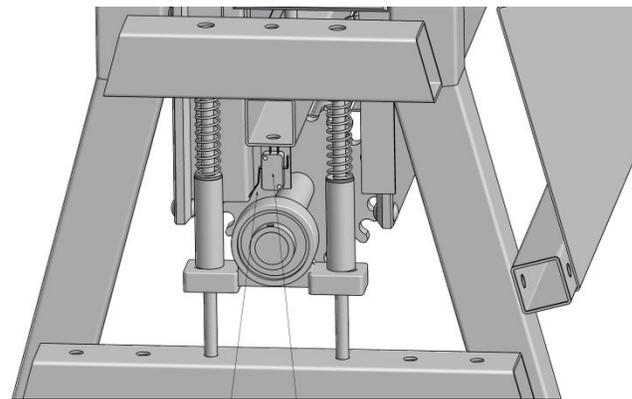
Procedure: (about 10 minutes)

The microswitch controls the downward motion of the Treadwall. When the climber's foot descends below a certain level, the weight activates a microswitch which sends power to a valve in the hydraulic system. If the brake doesn't activate or release properly, the switch may need to be adjusted for sensitivity.

1. Remove the lower right bearing cover
2. Inspect the Microswitch for any damage
3. If you need to increase sensitivity bend the metal trigger towards the front of the Treadwall. Bend backwards to decrease sensitivity
4. Test the wall and re-adjust if necessary.

If the microswitch needs to be replaced remove the plastic side cover and all nuts and washers from the microswitch. Unclip the electrical wire from inside the channel and pull the microswitch out. Plug the new microswitch into the wire – it does not matter which connector goes to which terminal. Last, bolt in the new microswitch making sure to clip the wire back into place.

Figures:



Microswitch

Gently bend this metal trigger to adjust sensitivity.

BOTTOM OF RIGHT CHANNEL