



### Exploring Science Concepts using the OHAUS® Triple Beam balance

What to do if you find your beam sticks or won't move up and down freely, below are a few tips that can help you solve this issue quickly and effectively.

#### Step 1

Begin by locating the bolt found under the base which holds the Trig Loop Assembly in place.

#### Step 2

Using a Phillips screwdriver, remove the bolt and then the Trig Loop. If your beam moves up and down freely at this point, you have identified your issue. It's likely the back of the Damper Vane was touching the Trig Loop.

#### Maintenance Step:

Dirt and lint can build up on the magnets over time causing the beam to not function properly. While the Trig Loop Assembly is removed, take the time to clean off the magnets using a tongue depressor and two-sided tape.

#### Step 3

Reinstall the Trig Loop Assembly making sure that when you tighten the bolt, the Assembly is pulled as far to the end of the balance as possible.

**If the beam still sticks:** It is possible the Damper Vane is bent. To correct this, follow the instructions for removing the Trig Loop Assembly. Once the Assembly is removed, use needle nose pliers to straighten the Damper Vane.

**Note:** the Damper Vane typically is bent during improper transport of the triple beam; be sure students are not moving the balance by holding the Trig Loop or Damper.

