

Operating Instructions

ISO



Bluestreakequipment
The world's best magnetic cleaning equipment

Bluestreak Equipment
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NOTICE: Before operating your ISO magnetic sweeper ensure the ISO is installed on your vehicle according to the ISO Assembly Instructions.

ISO Operating Instructions

STEP 1 - Set the ISO Sweeping Height

Raise the ISO sweeper to the recommended 2" to 3" sweeping height by using the Actuators on each end of the sweeper. The Actuators are attached to the ISO's Lifting Straps which lift the ISO up.

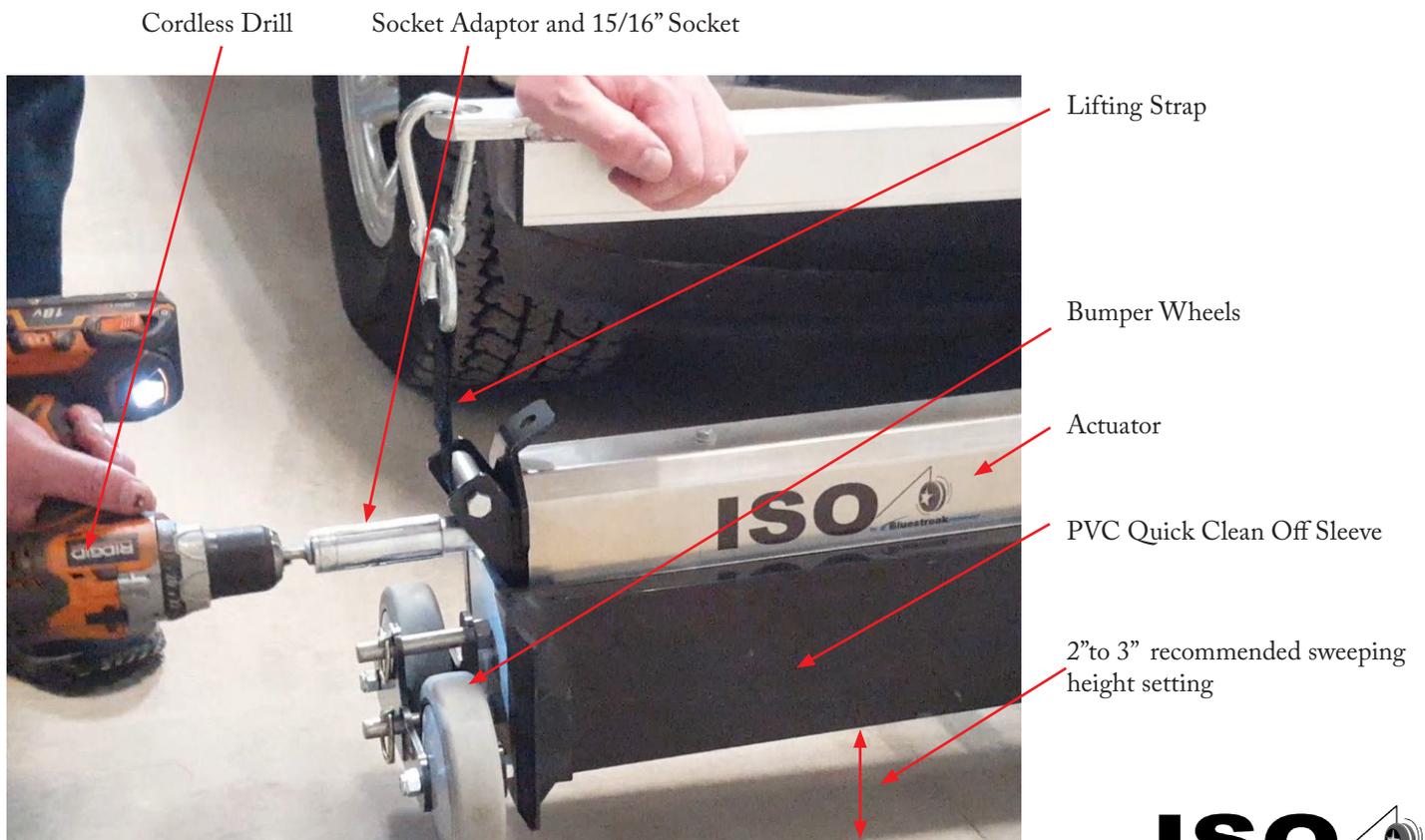
Insert a cordless drill with a 15/16" socket adaptor into one of the Actuators then power the Actuator with the drill. This will raise or lower the ISO with the Lifting Straps.

Raise and lower the ISO slowly. Be careful when approaching the end of travel because there are mechanical internal limits inside the Actuator. You may not damage the ISO if you hit the limits of the Actuator hard, but your drill may not be strong enough to reverse the direction if the limit is hit too hard.

Each Actuator unit has 13" of travel so it's unlikely that the upward and downward limits of the actuators will be reached. The ISO magnet will most likely reach the lowest sweeping position or be retracted up to the underside of your vehicle before the Actuator limits are reached.

NOTICE: Do not use an impact gun to operate the Actuators.

We recommend setting a sweeping height between 2" and 3" for optimal performance. It is not recommended to set it higher than 4" above the ground. This sweeping height is measured from the bottom of the Quick Clean Off Sleeve to the ground.



STEP 2 - Stabilize the ISO

Once you have set the sweeping height of the ISO it should be stabilized using the Suspension Point Chains.

The 4 long hanging chains attached to Magnet D-Ring should be relatively tight when the Magnet is at the set sweeping height.

The chains should be sloped down and in toward the magnet at an angle similar to that shown in the picture below.

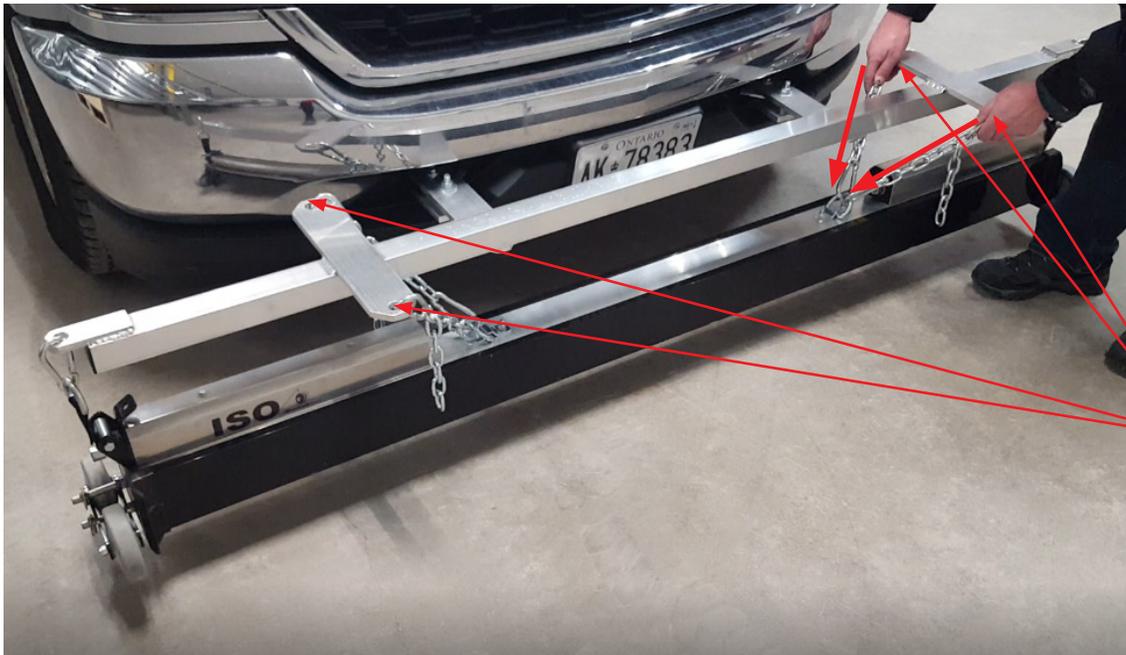
The 2 shorter Optional Hanging point chains can be used to further stabilize the ISO if it necessary for your operation. (These

are not shown in the pictures)

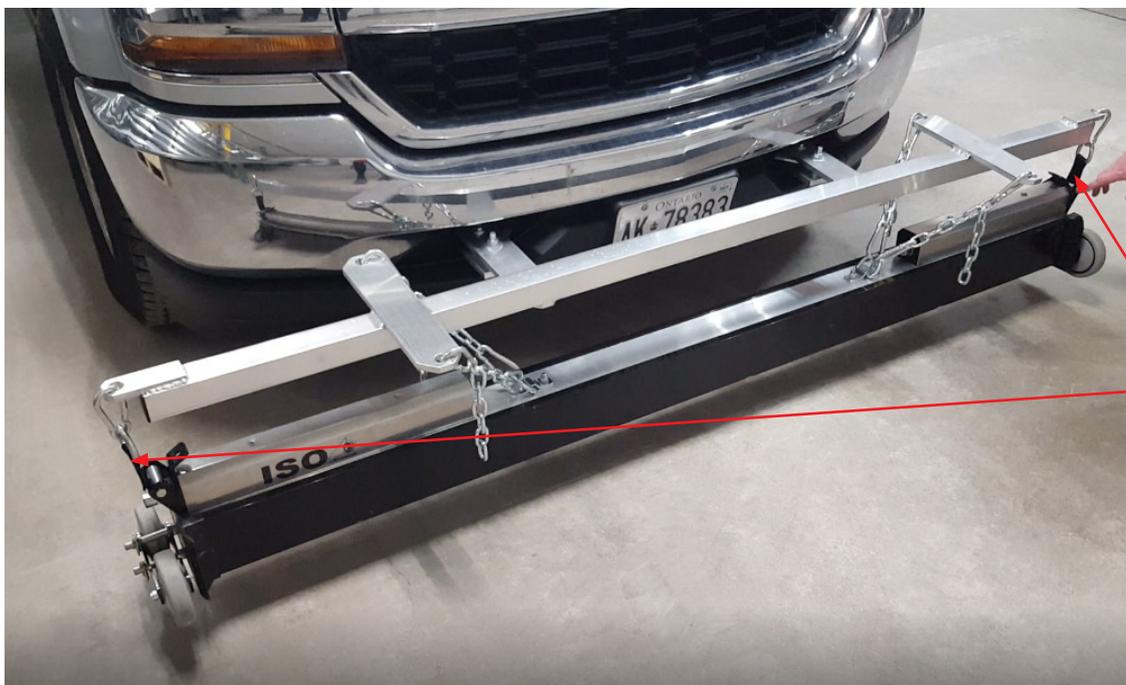
The 2 Adjuster Straps on each end of the magnet should be tight as well.

You may need to use the Actuators to adjust the chains so they are shorter or longer to fit your chosen sweeping height.

When you are done all chains should be relatively tight to prevent swaying while in motion.



When the Magnet is at the set sweeping height the 4 long hanging chains attached to the 2 Magnet D-Rings should be tight and secure and set at an angle from the mounting bracket to the magnet.



2 Adjuster Straps should be tight and secure.

STEP 3- Check Bump Wheels

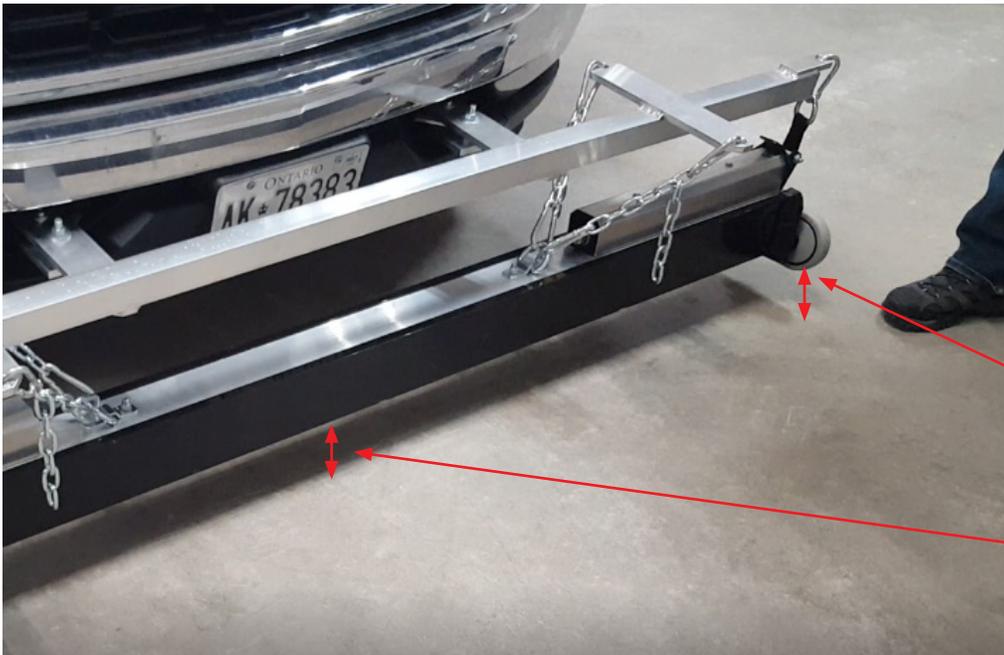
After you have stabilized the ISO check that the Bump Wheels located on each end of the sweeper are not touching the ground.

Your sweeping height should be set higher if the Bump Wheels are touching the ground.

The Bump Wheels are not intended for continuous use but are there only to prevent the Magnet from hitting the ground.

The sweeping height of the ISO should be set so the Bump Wheels are floating just above the ground somewhat like training wheels on a bicycle.

A sweeping height between 2" and 3" is recommended. This sweeping height is measured from the bottom of the Quick Clean Off Sleeve to the ground.



Bumper Wheels are not touching the ground

Sweeping Height is between 2" and 3"

STEP 4 - Evaluation Check of the Sweeper

Once the ISO is stabilized and the sweeping height set, drive forward with your vehicle and have someone from the ground look at the sweeper to evaluate the stability and the sweeping height.

1. Check that the 4 hanging chains are snug when the ISO is in the sweeping position at the chosen set sweeping height.
2. Check that the sweeping height is reasonable for your application between 2" and 3" off the ground.
3. Check that the 2 lifting straps from the Actuators are snug.
4. Check that the Bumper Wheels are not touching the ground.
5. Adjust the Hanging Chain length and/or Lifting Strap length as needed based on your observations.



STEP 5 - Cleaning Off The ISO

When the ISO has been used to pick up metal debris and is ready to be cleaned off, remove the Bump Wheel assembly and Slide the Quick Clean Off Sleeve off by pulling on the flange on the end of the Sleeve.

Once the ISO magnet has been cleaned off, push the Sleeve back on to the aluminum magnet housing and re-install the Bump Wheel Assembly.



1. Remove Bump Wheel Lynch Pins



2. Remove Bump Wheel Assembly



3. Pull on flange of Quick Clean Off Sleeve



4. Slide the Quick Clean Off Sleeve off of the magnet



STEP 6 - High Speed Travel

The ISO is designed with higher speed travel in mind to get to and from job sites.

The Actuators on each end of the unit allow the ISO to be raised higher up off of the ground to prevent incidental contact with the road surface when traveling at higher speeds.

When travelling raise the ISO as high as possible to prevent contact with the ground.



The ISO raised and ready for high speed travel. The hanging chains may be loose but keep them in place for safety. The Adjuster Straps however will be tight and secure.

Magnet raised as high as possible.

Parts

All parts are available for the ISO magnetic sweeper from your dealer or directly from Bluestreak Equipment at:
www.bluestreakequipment.com

Video Resources

All ISO Operating Instructions are available in video format online at www.bluestreakequipment.com

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