

Operating Instructions

KHAM SIN



Bluestreakequipment
The world's best magnetic cleaning equipment

Bluestreak Equipment
1645 Hwy #3, Delhi
Ontario, Canada
N4B2W6

NOTICE: Before operating the Khamsin magnetic sweeper ensure the Khamsin is installed on your vehicle according to the Khamsin Assembly Instructions

Khamsin Operating Instructions

STEP 1 - Set the Khamsin Sweeping Height

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

Insert a cordless drill with a 7/8" socket adaptor into one of the Actuators to power the Actuator with the drill. This will raise or lower the Khamsin with the lifting straps.

Raise and lower the Khamsin slowly. Be careful when approaching the end of travel because there are internal limits inside the Actuator. You may not damage the Khamsin 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 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 Khamsin magnet will most likely reach the lowest sweeping position or be retracted up to the underside of your vehicle before the actuators limits are reached.

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

We recommend setting a sweeping height of 3" for optimal performance . It is not recommended to set it higher than 5" above the ground. This sweeping height is measured from the bottom of the Quick Clean Off Sleeve to the ground



STEP 2 - Stabilize the Khamsin

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

The 4 long hanging chains attached to Magnet D-Ring locations 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 Khamsin if it's necessary for your operation. (These are not shown in the pictures below)

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 when the sweeper is at its sweeping position height to prevent swaying while in motion.



When the magnet is at the set sweeping height the 4 long hanging chains attached to the 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 Khamsin 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 sweeping height of the Khamsin should be set so the Bump Wheels are 1/2" above the ground.

A sweeping height of 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 3"

STEP 4 - Evaluation Check of the Sweeper

Once the Khamsin 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 Khamsin is in the sweeping position at the chosen set sweeping height.
2. Check that the sweeping height is reasonable for your application at 3" off the ground
3. Check that the 2 lifting straps from the actuators are snug.
4. Check the Bump 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 Khamsin

When the Khamsin 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 by pulling on the flange on the end of the sleeve.

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



1. Remove Lynch Pin and Bump Wheel



2. Remove the plastic clips on both ends then slide the Quick Clean Off Sleeve off of the aluminum housing.



3. Once the magnet is clean, slide the Sleeve back on and re-install the plastic clips on each end.



4. Re-install Bumper wheel and Lynch Pin.

STEP 6 - High Speed Travel

The Khamsin is designed with Higher Speed travel in mind to get to and from job sites.

The Actuator on each end of the unit allows the Khamsin to be raised higher up off of the ground to prevent incidental contact with the road surface when travelling at higher speeds.

When travelling raise the Khamsin as high as possible to prevent contact with the ground on speeds above 15kph.



The Khamsin raised and ready for high speed travel. The hanging chains may be loose but keep them in place for safety.

Raise Magnet up as high as possible for travel.

Parts

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

Video Resources

All Khamsin operating Instructions are available in video format online at www.bluestreakequipment.com

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