

OPERATION INSTRUCTIONS  
**SIDEWINDER 30 SWEEPER**

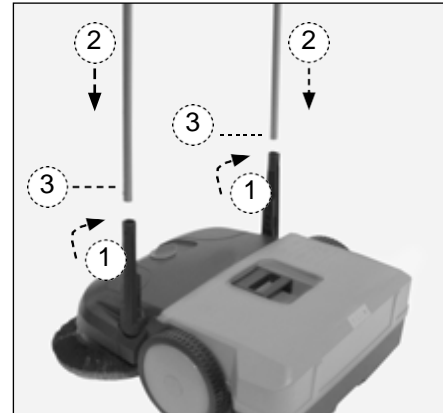
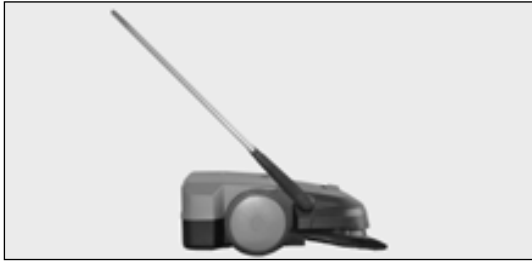
# Original Instructions



# OPERATION INSTRUCTIONS

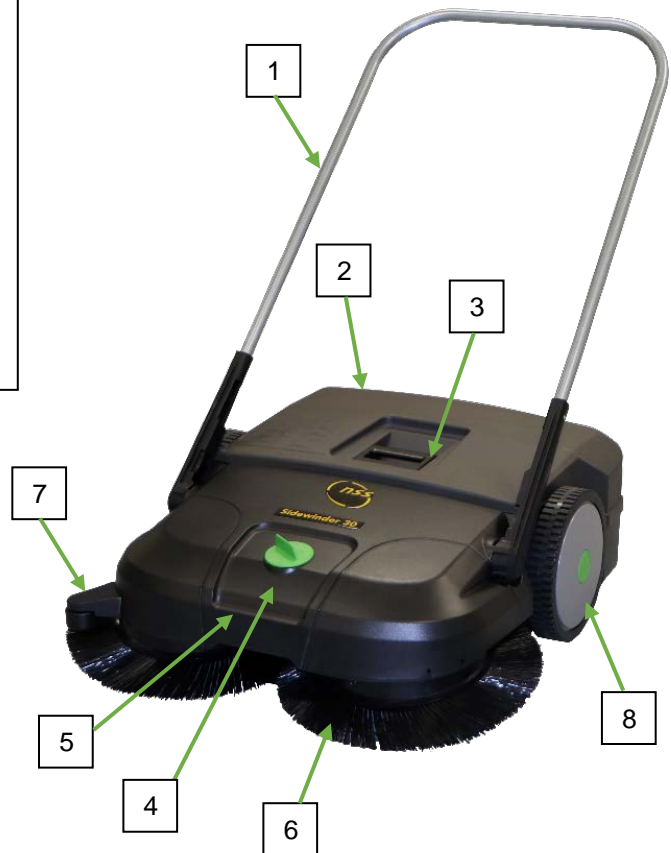
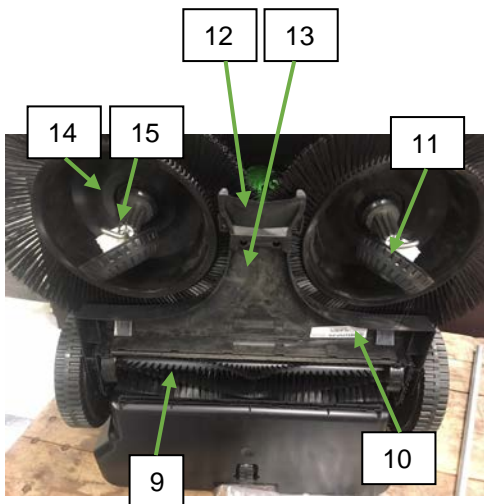
## SIDEWINDER 30 SWEEPER

FIGURE 1



### Important components

1. Push Handle
2. Waste Bin
3. Waste Bin Handle
4. Disc Brush Height Adjustment
5. Carrying Handle
6. Disk Brush
7. Side Guide Roller
8. Running Wheel
9. Fine Dirt Sweeping Roller
10. Machine Number
11. Angled Wheel
12. Sweeping lip
13. Sweeping Plate
14. Clutch
15. Toothed Sleeve



## OPERATION INSTRUCTIONS

# SIDEWINDER 30 SWEEPER

## IMPORTANT SAFETY INSTRUCTIONS



**WARNING:** Failure to observe these instructions can cause personal injury to machine operator or bystanders.



**WARNING:** Fire or explosion hazard. **NEVER** operate this machine in an explosive atmosphere (grain dust, flammable liquids or fumes, etc.).



**WARNING:** Fire or explosion hazard. **NEVER** use flammable liquids, (gas, kerosene, solvents, or thinners) to clean the floor. **NEVER** use this machine to pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.

### INTENDED USE

The Sidewinder 30 Sweeper is intended for commercial use, sweeping floors in an indoor/outdoor environment. NSS does not recommend using these machines for any other purpose.

### FOR SAFETY

- **ALWAYS** read and understand all instructions before operating or servicing machine.
- **ALWAYS** use this machine **ONLY** as described in this manual.
- **NEVER** attempt to operate this machine unless you have been trained in its operation.
- **NEVER** allow an untrained person to operate this machine.
- **NEVER** sweep up toxic, carcinogenic or unhealthy substances or other hazardous materials.
- **ALWAYS** wear suitable gloves when removing glass or metal splinters from the dirt collector.
- **ALWAYS** oil gearings, couplings points or other internal parts as recommended.
- **NEVER** attempt to operate this machine if it is not working properly or has been damaged in any manner.
- **NEVER** drop or insert any object into any machine opening.
- **NEVER** allow this machine to be used as a toy. Close attention is necessary when used by or near children.
- **ALWAYS** keep face, fingers, hair or any other body part or loose clothing away from any machine opening or moving part (revolving brush).
- **NEVER** expose the machine to rain, snow, or extreme temperatures.
- **NEVER** use this sweeper for liquid or wet pickup.
- **ALWAYS** empty the refuse container after use.
- **ALWAYS** store this machine indoors in a dry, cool area (not below 32°F [0°C]) when not in use.

### GENERAL INFORMATION

- Now that the machine is unpacked remember to recycle all packing materials.

- Inspect the machine for damage or missing components. If damage is found, contact the freight company to file a claim.

### ASSEMBLY

#### Mounting the pushing handle (Figure 1)

- Unpack the sweeper and place it on a flat surface.
- Remove the refuse container and unpack the parts packed inside it.
- Check that all parts and the instructions have been removed from the carton.
- Engage handle fittings (1) in frame by pushing gently into the base one at a time
- Turn handle fittings (1) so that they are positioned vertically upwards (2).
- Press locking springs (3) on push handle (2).
- Push the push handle (2) simultaneously into the two handle fittings (1).
- Engage push handle in handle fittings by knocking gently.

### Machine Operation

- Check the Sweeper (see Maintenance)
- Adjust the sweeper (see Adjusting the sweeper)
- Guide the push handle with both hands.
- Push the sweeper forward at normal walking pace.
- Empty the waste bin as required

### Adjusting the sweeper Height adjustment

- Do not press the disc brushes onto the ground too firmly.
- An excessive contact pressure will not achieve a

better cleaning result but will increase the wear.

- An excessive contact pressure will increase the pushing resistance.

## **NOTE**

- The knob for height adjustment of the disc brushes is located in the middle of the front section. The height adjustment knob allows the height of the disc brushes to be adjusted to the ground to be swept.
- Adjust to the required level (1):
  - Level 1–2: for all flat, hard surfaces (e.g. asphalt, concrete, slabs...)
  - Level 3–4: for damp leaves, sand, uneven surfaces (e.g. washed concrete slabs)
  - Level 5–8: for heavy soiling and very uneven surfacesTo do this, turn the knob (2) anti-clockwise or clockwise to the desired position.

## **MAINTENANCE**

Routine maintenance is critical to ensure proper machine operation and cleaning performance.

Perform all maintenance procedures as follows:

### **Daily Maintenance**

- Inspect for any damage.
- The dirt collector must be emptied after each use in order to provide efficient pickup.
- Remove any hair, fiber or other materials that may have built up on the rotating brushes and the drive components after each use.
- Clean the brush drives
- Recommendation: apply a thin coating of silicone spray to the brush drives

### **Regular Maintenance**

- Clean the unit with a dry cloth, including the inside of the dirt collector.
- Check the condition of the sweeper.
- Check to ensure that the push handle is securely attached to the sweeper.

- Check condition of waste bin and ensure that it is securely attached.
- Check the disc brushes and fine dirt sweeping roller for stuck parts and embedded dirt – bristles must move freely.
- Check the disc brushes and fine dirt sweeping roller for wound-up threads and string – remove if necessary.

### **Cleaning**

- Wear sturdy gloves in order to avoid cut injuries, e.g. due to glass shards, metal or other sharp-edged materials.
- Clean the sweeper to remove dust and dirt.
- Do not use grease removers for cleaning.
- Do not use aggressive detergents.
- Do not clean with a high-pressure cleaner.
- Protect bearings against moisture
- Protect bearings against moisture.
- Do not spray-clean with water or immerse in water.
- Do not clean the disc brushes and fine dirt sweeping roller with compressed air. The hard air jet could damage the bristles.
- Clean plastic parts with a damp cloth.

### **Spraying the brush drives with lubricant**

- Use only silicon lubricant spray. Use of other oils or greases can impair functioning of the brush drives.
- Position the sweeper so that it is vertical.
- Apply a thin coating of silicon lubricant spray to the gearing of the brush drives (1).
- Remove excess lubricant.
- Recommendation: every 8 hours of operation or as required.



## Straightening bristles

- Danger of fire!
- Do not use naked flames or burners to heat the bristles.
- Do not use a heat gun. The brushes may melt due to the excessively hot



## NOTE

Bent bristles can be straightened again by heating with a hot-air blower.

Heat the bristles using a hot-air blower (e.g. hair dryer). The bristles will straighten themselves

## Troubleshooting

Problem	Cause	Remedy	
Sweeper moves sluggishly or does not run smoothly	Sweeper dirty	Clean the sweeper (see Cleaning the sweeper)	
	Brushes blocked	Eliminate blockage (see Eliminating blockages)	
	Brush drives dirty		Clean the brush drives (see Cleaning the sweeper)
			Lubricate brush drives with lubricant spray
	<ul style="list-style-type: none"> <li>• Height adjustment is set too low</li> <li>• Contact pressure of disc brushes is too high</li> </ul>	Adjust height (see Height adjustment)	
	Disc brushes do not rotate	Contact Service	
Brushes are bent	Improper storage	Straighten brushes	
Inadequate sweeping performance	Sweeping lip is missing, loose or heavily worn	Replace sweeping lip	

Repair service for this machine must be performed by an NSS authorized service center. Repairs performed by an unauthorized company will void the machine warranty. If you require assistance finding an authorized service center, contact NSS Enterprises.



**SAVE THESE INSTRUCTIONS**



**NSS® Enterprises, Inc.**

3115 Frenchmens Road

Toledo, Ohio 43607

PHONE (419) 531-2121

FAX (419) 531-3761

[mailus@nss.com](mailto:mailus@nss.com)

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