



## Piranha Brush

### Instructions on how to install and use the Piranha gutter brush attachments.

1. Install Piranha segments with a new gutter broom only. The Piranha segments get bolted between the steel drive plate and the plastic gutter broom sections using the same bolts that hold the gutter brooms. Please make sure the Piranha segments are inserted as close to the gutter brush possible before tightening the bolts. 1 Piranha segment should be installed at every bolt. Typically 2 to 3 segments per gutter brush section.
2. Once all Piranha segments are installed and tightened, use a hammer to adjust the angle of the Piranha segment. Bend the side plate of the Piranha to bring the segment cables as close to the gutter broom without hammering them so close as to have them go inside the gutter brush wires. Piranha segments are universal so angle adjustment is necessary depending on what sweeper they are being installed on.
3. When operating the sweeper, the brush should be as flat as possible with the lowest pressure setting possible. Make sure that the heel of the brush does not touch. The idea is to have as many Piranha segments touching as possible which hold up your brush reducing wear on your gutter brush wires. **Best results will be attained with the gutter brush scraping the surface in a 4 to 11 configuration (reference to a clock face).** In heavily weed infested areas tilt gutter broom towards the curb. Experiment what angle works best for your sweeping situation.

4. Rotation speed can be a factor. As the sweeper increases its forward motion, if skipping of the brush occurs increase brush rotation. This tends to happen when sweeping quickly in open parking lots. Normal sweeping minimum rotation, Increase rotation speed in heavily soiled areas or high sweeper forward motion.
5. Sweeping curbs. Piranha is designed to make your gutter broom more aggressive. Piranha will clean the gap between the asphalt and the concrete curb. Piranha needs to be placed properly to function as designed. The sweeper operator needs to approach the curb with the brush rotating and gently lean into the curb. The Piranha cables need to be deflected to a 90 degree, but DO NOT PLOW THE GUTTER BROOM INTO THE EDGE. Pushing the Piranha too close to the edge actually makes the cables bend inwards preventing the cable from cleaning as designed.
6. \*\*\*\*Cities and Contractors who use our Piranha attachments solely for the purpose of extending gutter brush life need to hammer the angle of the Piranha at close to 90 degrees. **Be warned that doing so will limit your ability to clean curbs as efficiently. Best results will be attained with the gutter brush scraping the surface in a 4 to 11 configuration (reference to a clock face).**