



# Sentinel Handguard – Hayes Brake Mount

## Installation Instructions for Part No. 34454 (Snowmobiles)

### HARDWARE INCLUDED:

Qty	Description
1	Straight Aluminum Bracket - throttle side
1	Hayes Aluminum Bracket -brake side
1	Steel Strap long – throttle side
1	M6-1.0 x 60mm Torx Pan Head Screw
2	M6 x 75mm Hex Head Bolt
1	M6 x 25mm Hex Head Bolt
2	M6 Lock Nuts
1	Square Nuts
4	Large Spacers
1	Flat Washer
1	M5x10mm Button Head Screw
4	Small Spacers

### TOOLS REQUIRED:

- 3mm Hex Wrench
- 10mm Wrench (2)
- T30 torx wrench



## **READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLATION!**

**NOTE:** PowerMadd’s mounting brackets are designed to mount to the bare handlebar somewhere near your grip and the controls. You will need ½” of space to mount the bracket.

### **RIGHT/THROTTLE SIDE BRACKET** (PHOTOS 1-3)

The throttle side bracket is designed so that it can be mounted between the grip and the throttle block. Some snowmobiles may require moving the throttle block over and away from the grip to create the ½” of space needed for the bracket to mount (photo 2). You may even need to cut off some of the grip, but be careful not to cut any hand warmer wires. On most newer sleds, the optimal mounting location for the bracket is on the inside of the controls (photo 3). Once you have found the optimal location to mount the bracket, proceed to step 1.

**STEP 1:** Slide the steel strap onto the handlebars. Any wires should go outside the strap.

**STEP 2:** Attach the aluminum bracket to the strap by inserting the short M5 screw and tighten it with a 3mm hex wrench.



**STEP 3:** Insert the M6 x 25mm bolt with the flat washer through the bracket and the strap. Thread it into the square nut and tighten. This adjustment bolt is used to achieve the desired tightness of the mount. For now, leave the bracket loose so you can adjust the position up or down after attaching the handguard to the bracket.

### **LEFT/HAYES BRAKE SIDE BRACKET** (PHOTOS 4-5)

The Hayes brake side bracket is designed to replace the top cap on your Hayes brake perch. To install remove the top perch cap and replace with the Hayes mounting bracket. Use the provided 60mm torx pan head screw and one original screw. Use the torx T30 wrench to tighten. At this time only snug the screws. You will need to adjust the height after the handguard is installed. Final torque spec is 7 foot pounds.



### **HANDGUARD MOUNTING**

**STEP 4:** The handguard mounts onto the bracket as shown in the photos below. Hold the handguard up to the mounting bracket and determine the optimal location. The optimal location is a personal preference. For the best hand coverage, the end of the handguard should extend beyond the handle bar about 1". Once you have determined the location of the mounting bracket within the handguard mounting tabs, slide the M6 x 75mm bolt through one mounting tab and use the available large and small spacers to position the bracket in the desired location (All spacers need to be used). There are 9 possible positions available. Repeat step 4 for both sides.



**STEP 5:** At this time go back and check the torque of all fasteners. All fasteners may need to be retightened after the first ride. Check the tightness of the bracket and handguard before each ride.

### **LIMITED WARRANTY**

**POWERMADD** warrants this product to be free from defects in material and workmanship under use for the purpose it was intended. **POWERMADD** shall not be liable for damage or injury caused by defective materials or workmanship. **POWERMADD** may elect to repair or replace this product, but is the sole judge of any defects in their product. This warranty does not cover any labor costs to remove or reinstall this product and is in effect for one year from the original purchase date.