



Star Series and TrailStar Handguard Fitment Issues

PowerMadd Star and TrailStar handguards are designed for a universal fit, which means they will fit most any ATV, motorcycle or snowmobile. All you need is ½” of space on your handlebars near your grips. You may need to slide your controls one direction or the other in order to free up ½” of bar space.


There are a few situations where getting the ½” of space is just not possible. We have listed any of these situations that we are aware of below:


ATVs


Universal fitment concerns:

Mounting space – you have two mounting options for ATVs:

- 34252 ATV/MX Mount - you will need ½” of space on the bars as close to the grips as possible. You can either slide your controls and levers over a bit, or mount the handguard on the inside of the controls.
- 34269 Tri-Mount – mounts just past the bend in the bars on the down-slope portion of your handlebars. This mount is a very good option for many utility ATVs which tend to have larger control pods and less room on the bars for the ATV/MX mount. See the Yamaha Grizzly note below.

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| Kawasaki | Brute Force | <p>Due to having very little space on the handlebars, the only way to mount the Star Series handguards is to use two of the same brackets. The left side needs to be mounted under the lever, and the right side needs to be mounted over the lever.</p> <p>Right side -</p>  <p>Left side –</p> |
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| Kawasaki | KFX700 | <p>All Kawasaki KFX700 ATV's require the use of the 34269 Tri-Mount which mounts past the bend in the bars on the down-slope where there is plenty of room.</p> |

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| Yamaha | 2007-2013 Grizzly | <p>In 2007 Yamaha added another master cylinder to the Grizzly model. The two master cylinders and all the controls beneath them do not leave any room for the Star Series mounting brackets from 34252 ATV/MX mount kit.</p> <p>Use the 34269 Tri-Mount which mounts past the bend in the bars on the down-slope where there is plenty of room.</p>  |
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Snowmobiles


Universal fitment concerns:

Make sure you have enough room between your handlebars and your windshield. After turning your bars all the way to the left and right you will need 6.5" of space between the grip and shield to run handguards.

Mounting space – you have two mounting options for snowmobiles:

- 34250 Snowmobile Mount - you will need ½" of space on the bars near the grip or just on the inside of the controls.
- 34269 Tri-Mount – mounts just past the bend in the bars on the down-slope portion of your handlebars. This mount may not work if you have a bar pad or molded piece covering your bar clamps.

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| Polaris | 2008 RMK Mountain | <p>Some models have a welded tab on the bars to mount the grab bar; this does not leave enough room for the 34250 Snowmobile Mount Kit mounting bracket.</p> <p>Use the 34269 Tri-Mount which mounts past the bend in the bars on the down-slope where there is plenty of room.</p>  |
| Yamaha | Viper | <p>If you don't have a low windshield or have raised your handlebars you will have an issue with the guards hitting the windshield.</p>  <p>Viper – brake side</p> |

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| | |  <p>Viper – throttle side</p> |
| Arctic Cat | 2012-2015 Arctic Cat Pro Cross/Climb; SR Viper | <p>With the new Hayes brake that Arctic Cat and Yamaha are using, there is not enough room to use the 34250 mount kit. Use the 34269 Tri-Mount which mounts right next to the riser on the race style bars where there is plenty of room. If your sled has a molded grab strap, you can remove 3/4" of the grab strap on the bars right next to the riser and the 34269 Tri-Mount will work.</p> <p>Note: We now have a Hayes Brake mount kit for the Sentinels handguards(34454).</p> |



Hand Guard Mounting Kit for ATVs & Motorcycles

Installation Instructions for Part No. 14252

HARDWARE INCLUDED:

| Qty | Description |
|-----|-----------------------------|
| 2 | Aluminum Brackets |
| 2 | Steel Straps |
| 2 | M6 x 65mm Hex Head Bolts |
| 2 | M6 x 45mm Hex Head Bolts |
| 2 | M6 x 25mm Hex Head Bolts |
| 2 | M6 Lock Nuts |
| 2 | M5 x 10mm Button Head Bolts |
| 2 | No-spin Spacers |
| 2 | Long Spacers |



TOOLS REQUIRED:

- 3mm Hex Wrench
- 10mm Wrench

READ ALL INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION!

NOTE: PowerMadd's ATV/MX kit comes with two pre-bent aluminum brackets which will angle the hand guards away from the end of the handlebars to allow room for both the clutch and the brake lever. The brackets can be mounted over the top or underneath of the perch and lever, but both brackets must mount the same way. To mount the guards you will need to find 1/2" of space on the bar somewhere between the end of the grip and the bend in bar. You may need to slide brake levers, clutch levers, throttle blocks, etc. in order to make room for the mounting bracket. If you are having difficulty finding a 1/2" of space you can call PowerMadd for assistance or check our website for installation tips and photos.

The photos shown are of an ATV installation. This is due to the fact that ATVs tend to have more controls attached to the bar, making installation a bit more challenging. The same steps apply to motorcycles.

RIGHT / THROTTLE SIDE BRACKET

NOTE: Many ATVs and motorcycles have a tab that protrudes from the throttle assembly which spaces the brake perch an exact distance from the throttle (see picture). This is to speed up assembly at the factory and can be removed. If you don't want to remove the tab, you can slide the brake lever perch over to create enough room for the hand guard bracket, or mount the handguard bracket on the inside of the brake perch.

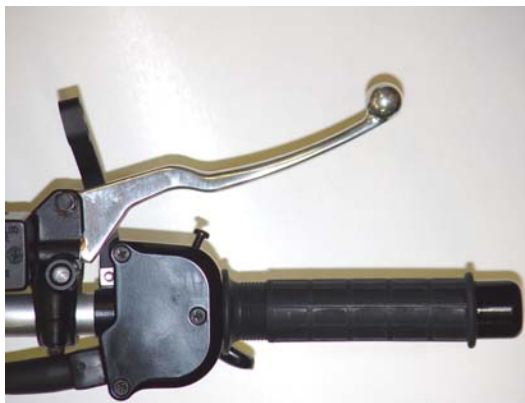
STEP 1: Once you've found 1/2" of space on the bar, slide one of the steel straps onto the handlebar.

STEP 2: Attach the bracket to the strap by inserting the short M5 button head bolt and tighten it with a 3mm hex wrench. Make sure the bracket is angled toward the center of the machine (see top-down photo).

STEP 3: Insert the M6 x 25mm hex head bolt through the bracket and thread into the strap. This adjustment screw is used to achieve the desired tightness of the mount. Leave the bracket loose enough for now so you can adjust the position up or down after attaching the hand guard to the bracket.



Front view of ATV throttle



Top view of ATV Throttle, bracket is positioned under the brake lever and angled toward the center.



Rear view of ATV throttle, mount bracket is positioned under brake lever.

LEFT / CLUTCH SIDE BRACKET

NOTE: On most ATVs you will have to move the clutch (or brake) perch over to create a gap between the perch and grip/control assembly to mount the bracket. On some models the bracket may work on the other side of the perch.

STEP 4: Slide the other steel strap on to the handlebar in between the clutch perch and the grip. Any wires should go outside the strap and bracket.

STEP 5: Attach the second bracket to the strap as you did in STEPS 2 & 3.

HAND GUARD MOUNTING

STEP 6: The 4 pictures below show the options for mounting the hand guard to the bracket. These options allow you to move the guard right or left depending on the position you prefer. Hold the hand guards up to the mounted brackets to decide which mounting option to use. Then follow the instructions below for the option you have chosen.

When mounting the handguard to the bracket, make sure the no-spin spacer is positioned so that the pin goes into the back hole of the bracket and the bolt goes through the front hole. Also make sure the no-spin spacer is positioned so that its tabs go over one of the handguard tabs as in the Option photos below.



Right side view of ATV, bracket is positioned under brake lever and angles toward center.

Option 1



Option 2



Option 3



Option 4



Option 1 & 2 - RECOMMENDED: The strongest mounting option is to have the bracket and no-spin spacer inside the handguard tabs. Thread the M6 x 45mm hex head bolt through the handguard tab, the no-spin spacer and bracket, and then the other tab. Thread the lock nut onto the bolt and tighten using 10mm wrenches.

Option 3 & 4: Position the no-spin spacer on the bracket and handguard tab. Thread the M6 x 65mm hex head bolt through the bracket, no-spin spacer and handguard tab. Insert the long spacer in between the handguard tabs and continue to thread the bolt through the long spacer and the other handguard tab. Thread the lock nut onto the bolt and tighten using 10mm wrenches.

STEP 7: Adjust both handguards to the desired up/down position by spinning the bracket on the handlebar. Once in position, use a 10mm wrench to tighten the M6 x 25mm hex head bolt both brackets. **DO NOT** over tighten the mounts, you want them tight enough that they won't move if you land hard or hit a big bump, but you don't want them too tight that they won't rotate if you were to crash.

STEP 8: All fasteners may need to be retightened after the first ride. Check the tightness of the bracket and guard before each ride.

One Year "No Questions Asked" Warranty

POWERMADD warrants this product from breaking for any reason, no questions asked, for one year. Just send the broken part back to **POWERMADD** along with a copy of your sales receipt with date of purchase and a replacement part will be sent to you. **POWERMADD** shall not be liable for damage or injury caused by defective materials or workmanship. After the one year from purchase **POWERMADD** warrants this product to be free from defects in material and workmanship under use for the purpose it was intended. **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 effect for one year from original purchase date.



Handguard Mounting Kit - Snow

Installation Instructions for Part No. 14250 (Snowmobiles)

HARDWARE INCLUDED:

| Qty | Description |
|-----|---|
| 1 | Straight Aluminum Bracket - throttle side |
| 1 | Curved Aluminum Bracket -brake side |
| 1 | Steel Strap long – throttle side |
| 1 | Steel Strap short – brake side |
| 2 | M6 x 65mm Screws |
| 2 | M6 x 45mm Screws |
| 2 | M6 x 25mm Screws |
| 2 | M6 Lock Nuts |
| 2 | Square Nuts |
| 2 | M5 x 10mm Screws |
| 2 | Anti-spin Spacers |
| 2 | Long Spacers |

TOOLS REQUIRED:

- 3mm Hex Wrench
- 10mm Wrench (2)



READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLATION!

NOTE: PowerMadd's brackets are designed to mount to the bare handlebar in between the grip and the controls. Some snowmobiles may require moving the throttle block and/or brake master cylinder over and away from the grip to create a space for the bracket to mount. You may even need to cut off some of the grip, but be careful not to cut any hand warmer wires.

THROTTLE SIDE BRACKET

STEP 1: Slide the steel strap onto the handlebars in between the throttle block and the end of the grip. 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 screw through the bracket and the strap. Thread it into the square nut and tighten. This adjustment screw is used to achieve the desired tightness of the mount. Leave the bracket loose enough for now so you can adjust the position up or down after attaching the hand guard to the bracket.

BRAKE SIDE BRACKET

STEP 4: Slide the steel strap onto the handlebars in between where the brake master cylinder mounts to the handlebars and the end of the grip. Any wires should go outside the strap.

STEP 5: Attach this bracket to the strap the same as in **STEPS 2 & 3.**



HAND GUARD MOUNTING

STEP 6: The 4 pictures below show the options for mounting the hand guard to the bracket. These options allow you to move the guard right or left depending on the position you prefer. Hold the hand guards up to the mounted brackets to decide which mounting option to use. Then follow the instructions below for the option you have chosen.

When mounting the handguard to the bracket, make sure the no-spin spacer is positioned so that the pin goes into the back hole of the bracket and the bolt goes through the front hole. Also make sure the no-spin spacer is positioned so that its tabs go over one of the handguard tabs as in the Option photos below.

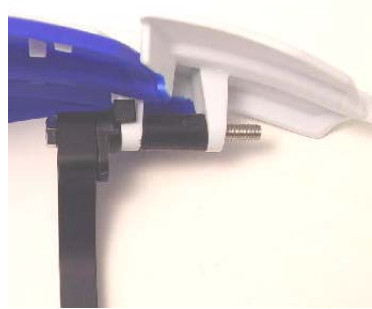
Option 1



Option 2



Option 3



Option 4



Option 1 & 2 - RECOMMENDED: The strongest mounting option is to have the bracket and no-spin spacer inside the handguard tabs. Thread the M6 x 45mm hex head bolt through the handguard tab, the no-spin spacer and bracket, and then the other tab. Thread the lock nut onto the bolt and tighten using 10mm wrenches.

Option 3 & 4: Position the no-spin spacer on the bracket and handguard tab. Thread the M6 x 65mm hex head bolt through the bracket, no-spin spacer and handguard tab. Insert the long spacer in between the handguard tabs and continue to thread the bolt through the long spacer and the other handguard tab. Thread the lock nut onto the bolt and tighten using 10mm wrenches.

STEP 7: Adjust both handguards to the desired up/down position by spinning the bracket on the handlebar. Once in position, use a 10mm wrench to tighten the M6 x 25mm hex head bolt both brackets. **DO NOT** over tighten the mounts, you want them tight enough that they won't move if you land hard or hit a big bump, but you don't want them too tight that they won't rotate if you were to crash.

STEP 8: All fasteners may need to be retightened after the first ride. Check the tightness of the bracket and guard 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.