

## INSTALLATION INSTRUCTIONS

Suzuki GSXR1000 2005-2011  
1 5/8" Taller ~ 1" Rearward ~ 1 1/2" Wider

Suzuki GSXR 600/750 2004-2005  
1 1/2" Taller ~ 1" Rearward ~ 1 1/2" Wider

HeliBars TracStar Handlebars P/N: TS03036

***IMPORTANT:  
PLEASE GIVE CUSTOMER ENCLOSED INFORMATION!***



Thank you for your purchase of our HeliBars®. They are designed to increase your long distance comfort and improve the handling of your sport motorcycle, and we feel confident you will enjoy them.

Your HeliBars are designed to fit your motorcycle with little to no modifications needed to your stock cables and hydraulic lines. In order to achieve this fit, we do not simply increase the height at the fork tube/triple clamp area. If we were to mirror the angle of your stock handlebars, the HeliBars would not fit and clear your stock equipment, and lock to lock steering clearance would be impossible.

If you hold up the HeliBars and compare it to your stock handlebar, the difference may not be readily evident. One test we can suggest is to take your stock handlebar, and the corresponding HeliBars, and set them both on a flat surface. You can see the angle difference. Then install the left HeliBars, following the instructions. Walk around the front of your bike and look through the windshield. You should see a noticeable difference between your stock handlebar and the HeliBars. Finish the installation, and try them out. We think you'll like them!

### **HeliBars INSTALLATION**

**IMPROPER INSTALLATION COULD RESULT IN SERIOUS INJURY OR DEATH.  
HAVE A QUALIFIED MECHANIC INSTALL YOUR HeliBars.**

**IF WE HAVE NOT INCLUDED SPECIFIC INSTRUCTIONS FOR YOUR MOTORCYCLE, THEN THE INSTALLATION IS SIMPLY A REVERSAL OF THE DISASSEMBLY PROCESS. \*\*NOTE THE LOCATION OF LINES AND CABLES. BE SURE TO CLEAN THE FORK TUBES BEFORE INSTALLATION!!**

**!! CAUTION !! MAKE SURE THE HeliBars ARE FULLY SEATED. TIGHTEN BAR END DAMPER WEIGHTS FIRMLY. AFTER INSTALLATION, MOVE BARS LOCK TO LOCK AND CHECK CLEARANCE OF: 1.CABLES 2. HYDRAULIC LINES 3.WIRES 4.FAIRING 5.FUEL TANK. TORQUE ALL HARDWARE TO MANUFACTURER'S SPECIFICATIONS.**

**IF YOU HAVE INSTALLATION QUESTIONS, PLEASE CALL 1-800-859-4642.**

**HELI MODIFIED, INC. ASSUMES NO LIABILITY FOR ANY INJURY OR LOSS OF PROPERTY WHICH MAY RESULT FROM IMPROPER INSTALLATION OR USE OF ANY HeliBars.**



# **WARRANTY / RETURN POLICY**

**We make every effort to build a quality product so you can fully enjoy your riding experience. Thank you for your order.**

**HeliBars® may be returned for defects in materials and workmanship within one year from the date of shipment to the original purchaser, in which event the purchaser may receive a replacement set of HeliBars.**

**If within thirty (30) days of the shipping date you are not satisfied for any reason, you can return the HeliBars. Return policy is valid for original purchaser only. If HeliBars are purchased from a vendor other than Heli Modified, Inc., customer must contact vendor where purchased regarding returns. Refund will be extended to original purchaser only. There are no other warranties which extend beyond this.**

**Conditions of this 30 day return policy:**

- 1. Bars must not be used as a tie down point. (See attached 'Trailer Instructions').**
- 2. Bars cannot be damaged, dented, or altered in any way.**
- 3. Bars cannot be overtorqued.**
- 4. Refund will be for product purchase price only, and credited to original purchaser only.**
- 5. Product must be returned with all original equipment, documents and in original packaging. There must be no physical damage caused by the customer or by carrier.**
- 6. A Return Authorization Number must be obtained from us before you return the product.**

**We reserve the right to charge a re-stocking fee of up to 25% if the above criteria are not met.**

**THERE ARE NO FURTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. By accepting this product, the consumer agrees to arbitrate and litigate any controversy in the State of Maine, and under the laws of the State of Maine.**

**HELI MODIFIED INC. ASSUMES NO LIABILITY FOR ANY INJURY OR LOSS OF PROPERTY WHICH RESULT FROM IMPROPER INSTALLATION OR USE OF ANY HELI BARS. ALL HELI MODIFIED, INC. PRODUCTS SHOULD BE INSTALLED BY A QUALIFIED MECHANIC. IMPROPER INSTALLATION MAY CAUSE DEATH OR INJURY.**

**Ride Safe and Enjoy!**





### **Installation Instructions:**

#### **2005-2011 Suzuki GSXR1000**

**1 5/8" Taller ~ 1" Rearward ~ 1 1/2" Wider**

#### **2005-2006 Suzuki GSXR 600/750**

**1 1/2" Taller ~ 1" Rearward ~ 1 1/2" Wider**

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NOTE: Before removing the stock clip-ons, note the location of all cables, wire looms and hydraulic lines. It is a good idea to take digital photos for reference.

- 1.) Remove the bar end damper weights. See photo #4 for component placement.
- 2.) Remove the top triple clamp.
  - a. Loosen and remove the steering stem nut. Use a 36mm socket.
  - b. Loosen the two top fork tube pinch bolts. It is not necessary to remove them.
  - c. Put the machine in first gear. Roll the bike backward to remove the slack and rest the machine on its side stand.
  - d. Rest one of your shins against the front tire and apply a little rearward pressure to remove the bind in the triple clamps. Reach your hands around the fairing and grab the top triple clamp and wiggle it off. This task is greatly aided by placing a bit of backward pressure during removal. Use the same technique to re-install.
- 3.) Remove all controls from the stock bars. Do not disassemble the throttle housing. Loosen the two screws holding the two halves together enough to disengage the locating pin and withdraw stock bar from the throttle assembly.

To Remove and Re-use the left grip:

  - a. Place the damper weight end of the left clip-on on a work surface with the fork clamp end facing up.
  - b. Start a thin screwdriver down between the grip and the bar tube. Drip a little rubbing alcohol into the gap and carefully work the screwdriver a bit deeper.
  - c. Grab the grip with one hand and the bar with the other and twist the grip until it slides off.
- 4.) Install the right HeliBar.
  - a. Slide the throttle housing over the HeliBar tube and temporarily position it up against the bar clamp. See photo #1. Rotate the bar for maximum cable/wire slack and place it over the right fork tube and let the bar slide down on the fork tube.
  - b. Find the locating hole in the right HeliBar tube, engage the locating dowel and press the two throttle housing halves together. Tighten the 2 screws.

5.) Install the left Heli Bar (see photo #2).

- a. Repeat the procedure used to install the right bar. Slide the clutch lever onto the left HeliBar tube, slide it all the way down the bar tube and install over the fork tube. On '07 and later models with hydraulic clutches, slide the left TracStar bar over the left fork tube so only ½ inch of the fork tube is showing. Do not mount the clutch master cylinder at this time. See photo #7.
- b. Also on 2007 and later models, it will be necessary to cut and remove the cable tie holding the left control housing wire loom to the clutch hydraulic line. This provides needed slack. See photo #8 that shows the cable tie removed.

6.) Re-install the top triple clamp. Refer to photo #3. On 2007 and later models refer to photo #6. The because of the ignitions proximity to the left fork tube and the larger size of the TracStars' clamping lugs the ignition will not slide past the bars clamp. With the Left TracStar mounted slightly lower than the fork tube, slide the Triple Clamp into position and install over fork tubes and steering stem.

With both left and right HeliBars slid down the fork tube, re-position the top triple clamp over the steering stem. Apply the same technique used to remove the top triple clamp. Make sure it is fully seated and re-install the large steering stem washer and nut.

- a. Lightly tighten the stem nut.
- b. Torque the 2 top triple clamp fork pinch bolts to 16 ft. lbs.
- c. Torque the steering stem nut to 65 ft. lbs. Use a 36mm socket.

7.) Assemble HeliBars.

- a. Slide the left and right HeliBars all the way up and be certain the positioning / anti-rotation dogs engage into the holes in the bottom of the top triple clamp as per the factory design. Pull the bars back before tightening for maximum comfort and to remove pin clearance.
- b. Torque the HeliBar fork tube clamp pinch bolts to 12 ft. lbs.
- c. Install the remaining components onto the HeliBars (master cylinders, left control housing, etc.).
- d. Position the front brake reservoir over the threaded boss on the right HeliBar, install the original M6 bolt and tighten. It may be necessary to gently rotate the reservoir feed tube backwards as it enters the master cylinder to gain a bit of slack.
- e. Re-install the left grip. Use a bit of rubbing alcohol as a lubricant and position the grip with a small bit of clearance away from the left control housing. Dry out the alcohol with compressed air or let the machine sit overnight.
- f. Do NOT operate the motorcycle with alcohol remaining under the left grip as the grip can rotate unexpectedly.
- g. Adjust levers to the desired angle and tighten clamps.
- h. RIGHT SIDE: Make sure that the wire loom going to the right control housing is not positioned under the front brake hydraulic line. This will reduce the amount of downward angle adjustment. The wire loom should be positioned to the outside of the hydraulic line (see photo #5).
- i. Re-install the damper weights. Be sure to engage the two dogs into the weight. Tighten.



**!! CAUTION!! BARS MUST BE TORQUED TO  
SPECIFIED VALUES.  
THEY MUST NOT BE OVERTORQUED.  
OVERTIGHTENED HARDWARE CAN LOSE INTEGRITY.**

**For questions regarding installation please call 1-800-859-4642.**

**HELI MODIFIED, INC ASSUMES NO LIABILITY FOR ANY INJURY OR LOSS OF  
PROPERTY WHICH MAY RESULT FROM IMPROPER INSTALLATION OR USE OF  
ANY HELIBARS.**



Installation Instructions - Suzuki GSXR1000 & GSXR 600/750  
~ PO Box 638 ~ 20 Industrial Way ~ Cornish, ME 04020  
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Photo # 2



Photo # 4



Photo # 1



Photo # 3

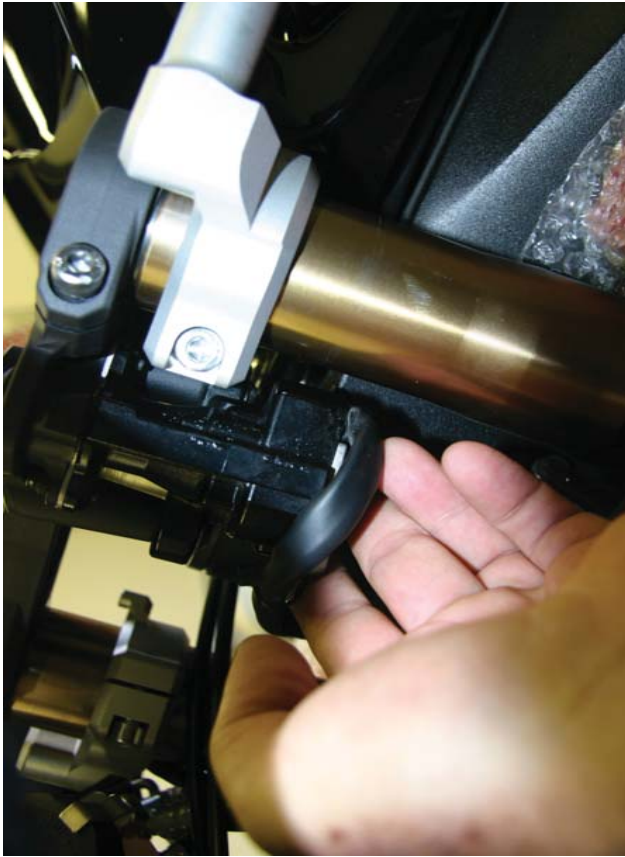


Photo # 6



Photo # 8



Photo # 5



Photo # 7



## IMPORTANT INFORMATION ABOUT POWDER COATED HELIBARS

HeliBars® are finished with a polyester powder coating. The polyester is recommended for outdoor use because of its excellent UV resistant quality; if we were to use an epoxy it would tend to fade and chalk pretty quickly when exposed to sunlight and UV rays.

Care must be taken during installation because the finish can be scratched by the sharp surfaces of the controls and master cylinder clamps. When mounting the master cylinders to bars, do not let them move around the bars with the caps loose. Mount them in the proper position and hand tighten the screws until final adjustments are made; in this way you will lessen the possibility of scratching.

NOTE: Powder coat finish is not indestructible, there are chemicals which may react negatively when applied to finish. Brake fluid may cause deterioration of the finish. We do not recommend the use of acetone or similar chemicals for cleaning purposes. We would recommend the use of an over-the-counter adhesive remover (such as Goo Gone) for the removal of any extraneous material. Please read labels directions for any cleaning/polishing product before use. If you have any questions regarding the use of any over-counter-products with the HeliBars, please call us before applying them to the powder coated finish.

If care is taken during installation, your HeliBars will continue to look as good as when they were new. They will look great for years to come with a bit of wax and careful cleaning. Thank you for your purchase, ride safe and enjoy!

Sincerely,

Harry Eddy, President



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# Trailing with HeliBars®

HeliBars clip ons and handlebars must not be used as the primary holding points for tie downs while trailering. *As with your stock bars* applying extreme force to the ends of the bars can bend the bars or rotate them on their mounts.

Use a wheel chock and pull the machine down and forward using soft ties or similar, attached to the lower triple clamp.

Bars should only be used as secondary attachment points to steady the motorcycle from lateral sway.

Failure to follow these guidelines can cause damage to the bars and the motorcycle, and may also void our warranty.

