

INSTALLATION INSTRUCTIONS

Honda CBR1000RR

2004-2015

P/N: HB12034

***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!





**2004-2015 Honda CBR1000RR
Installation Instructions**

**Part # HB12034
1 3/4" taller ~ 1" more rearward, 2" wider**

**WARNING: IMPROPER INSTALLATION COULD RESULT IN SERIOUS INJURY OR DEATH.
HAVE A QUALIFIED MECHANIC INSTALL YOUR HELIBARS®.**

1. Remove the stock handlebars. It will be necessary to temporarily move the electronic steering stabilizer out of the way. Refer to the factory manual. '08/09 models unbolt the steering stabilizer arm from the triple clamp. Do not lose the washer.
 - a. Remove the damper weights at the end of both bars. REFER to the attached sheet "Removing Damper Units from Stock Handlebars". Use a large T handle Phillips head wrench while carefully holding the damper weight from rotating.
 - b. Remove top triple clamp. You will need a 41 mm socket. Put the bike in 1st gear, apply a little rearward pressure on the front wheel with one of your legs (from the front of the bike.) This will remove the bind between the forks and the steering stem and allow easier removal of the top triple clamp.
 - c. Remove all controls from the stock bars. Note the location of cables and line. Before the throttle assembly is removed from the stock clip on, loosen the two locknuts that hold the throttle cable elbow in position. This is necessary because the throttle housing will be rotated into a new position on the HeliBars. Remove stock clip-ons. To remove the left grip, start a thin spade screwdriver under the grip and drip a little rubbing alcohol under the grip. Wiggle the screw driver and carefully insert it deeper. Start twisting the grip and it will come off. See Photo #8.
 - d. Remove wire circlips from both fork tubes located just beneath the bottom edge of the stock clip-on clamps. They will not be re-used.
 - e. Remove the bolt that clamps the front brake hydraulic line to the front of the lower triple clamp. Carefully spread the metal clamp and remove it from the brake line. Leave the rubber grommet in place. See Photo #1 & 2.
 - f. Install throttle on to the right side HeliBar and slide over the right fork tube. Lightly tighten the pinch bolt. Re-position the starter / kill switch housing wire loom behind the right fork tube and install control on to bar. Tighten.
 - g. Install front brake master cylinder. Use caution to avoid marring the powder coat finish.

With the HeliBar design, the throttle housing is repositioned to allow additional slack. The throttle position is rotated 160 degrees clockwise from stock putting the cables below and in front of the front brake master cylinder. This will reposition the Phillip head clamping screws on top of the throttle housing. Do not let the throttle cables twist around each other during assembly. Fix if necessary.

2. Install left HeliBar onto the left fork tube and lightly tighten the pinch bolt. Re-position left control housing wire loom behind left fork tube. See Photo #3. Install control housing and tighten. Install clutch master cylinder as close as possible towards the left fork tube and tighten. On 2008 & up models, first slide the clutch lever over the HeliBar tube then install on fork tube followed by control housing. Mount the clutch lever as close to the HeliBar riser as possible. Install grip with a bit of rubbing alcohol as a lubricant (Caution: Make sure the grip has dried in position before riding.)
3. Loosen both left and right HeliBar fork tube clamp pinch bolts and allow bars to slide down fork tubes. If bars do not slide down, the stock bar circlips were not removed. If so, remove them now.
4. Reinstall top triple clamp and damper. Note: There are two sets of damper holes drilled. For the 2004-2005 Model Years the holes are .250" from bar ends. For the 2006-2009 model years the holes are .450" from bar ends. Tighten all hardware to factory specs. Fork Tube pinch bolts need to be tightened to 16 ft lbs.
5. Slide both left and right HeliBar up against the bottom of the top triple clamp.
 - a. Carefully go to left and right fork stops and adjust bars for proper tank/fairing clearance. Go to the full left steering stop. Measure from the fuel tank to the center of the grip. Turn to full right stop and measure. Adjust so both bars have the same clearance. If the clutch hydraulic line on 2007 and earlier models pulls tight on full right turn it means the bars are adjusted to far rearward. Loosen and readjust further forward. This also applies to the front brake hydraulic line on all models. Make sure HeliBar clamps did not slide down from the bottom of the triple clamp and torque the pinch bolts to 16 foot pounds. It is imperative that the HeliBar fork clamps are touching the bottom of the triple clamp.
 - b. See Photo #5 for proper right HeliBar wire loom cable tie positioning.
6. Adjust the brake and clutch levers to the desired angles on 2007 and earlier models use a cable tie to clamp the hydraulic clutch line to the left fork tube shown in Photo #4.
 - a. CAUTION: On the front brake lever, there is a part of the casting that angles down and contacts the brake light micro switch. Make sure this piece does not hit the right HeliBar riser tube when the brake lever is applied readjust if needed. Photo #6
 - b. Tighten both master cylinder clamp pinch bolts to 7 foot pounds starting with the top screws first.
 - c. After installation, the front brake master cylinder brake fluid reservoir will be angled in toward the center of the bike. It will function normally but is not attractive. Remove the mounting bracket and carefully re-angle the mount at it's inner, (higher) mounting location. Make sure the reservoir does not contact the fairing when the bars are moved, left and right.
 - d. Do not remount the front brake line to the lower triple clamp with the stock band clamp. Use a cable tie and mount the front brake hydraulic line to the right fork tube as shown in Photo #7. The photo shows the mounting band clamp still in position remove it.
7. Torque the two 8mm socket head cap screws to 16 ft. lbs., (requires a 6mm hex).

**!! CAUTION !! TO KEEP THE BARS FROM ROTATING, IT IS ABSOLUTELY IMPERATIVE THAT THE PINCH BOLTS BE TORQUED TO 16 FT. LBS. DO NOT OVERTIGHTEN!
OVERTIGHTENED HARDWARE CAN LOSE INTEGRITY.**

!! 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.





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 from Morton Powder Coating Company (www.mortonpowder.com) The polyester is recommended for outdoor use because of it's 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.

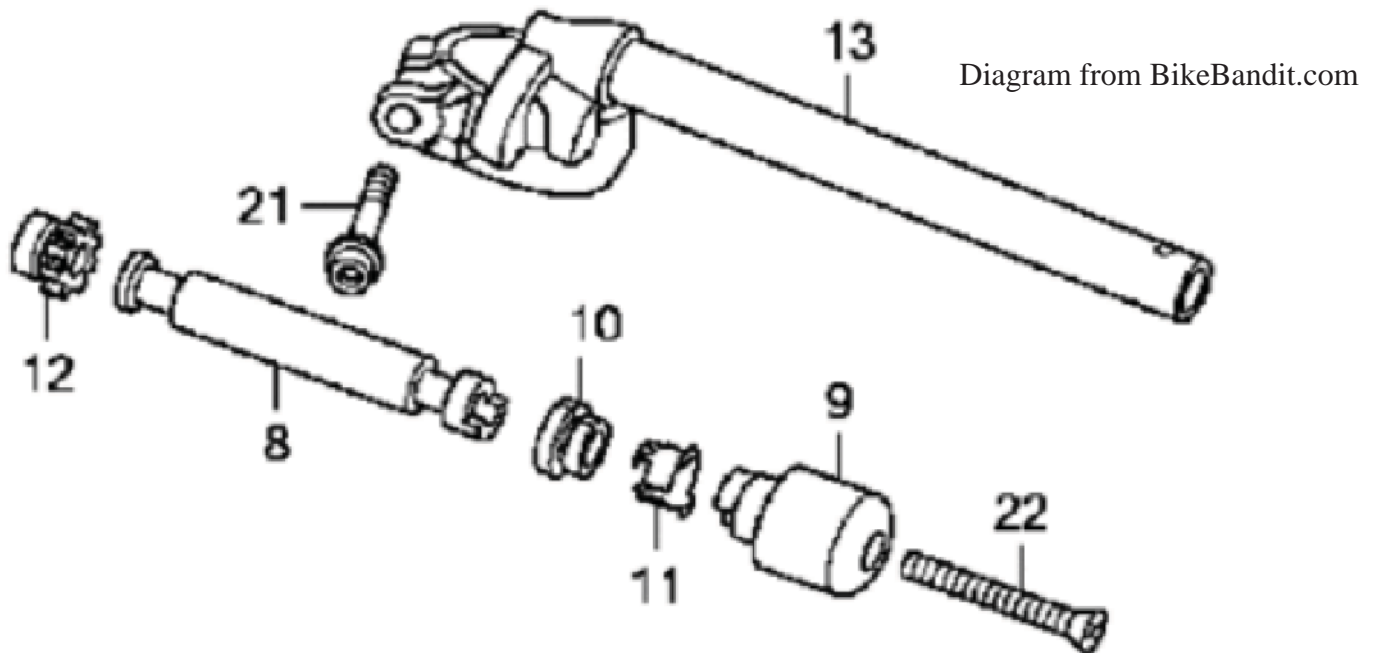
If care is taken during installation, your HeliBars will continue to look as good as when they were new. They will look great for years to come with a bit of wax and careful cleaning. Thank you for your purchase, ride safe and enjoy!

Sincerely,

Harry Eddy, President



Diagram shows a stock CBR1000RR Bar Assembly. The damper assembly is made up of Numbers 8, 10, 11 and 12. The damper assembly must be removed and used in your HeliBars.



Removing Damper Units from Stock Handlebar(s)

We recommend that you use some rubbing alcohol to help release the rubber bushings from the inside of the tube. Run some alcohol into the control locking pinhole and into the bar end, and distribute in all directions.

Carefully place the bar in a vise with soft jaws and a rag. Reinstall the damper weight and tighten, making sure the ridge on the weight is properly engaged with the corresponding ridge on the damper unit. Hold onto the weight with one hand. While pulling out and twisting, depress the two retaining tabs on either side one at a time until they move past their locating holes. Continue pulling and twisting until the damper comes out (Note: there is an "o" ring on the inner end of the damper shaft that can be rubbed off inside the tube when pulling). Just shake it out. Repeat this procedure for the other side.

Clean the damper rubbers and shafts, and reinstall into the Heli Bars. Use a bit of rubbing alcohol as a lubricant to ease installation. With the damper weight still attached, carefully start the first rubber bushing into the bar. Push and twist until the set of two bushings is ready to go in. Align the tabs on the retainer ring with the locating holes in the Heli Bar. Continue pushing in, making sure that the outer edge of the last bushing enters the tube evenly. Press in until the tabs enter the two holes. If necessary, pull back out a bit until the tabs are against the rear edges of the holes.

CAUTION: If the right-hand unit is installed too deeply, the damper weight will interfere with throttle operation. The threaded end of the damper unit will be about flush with the tube end, but the ridge that engages the weight will protrude.

Once each unit is installed, remove the damper weight.



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.

