



Handlebars for the long haul

2004-2009 HONDA CBR1000RR Installation Instructions - Part # HB12034 (page 1)

1 ¾" taller ~ 1" rearward ~ 2" Wider Than Stock

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

- A. 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 loose the washer.
1. 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.
 2. Remove top triple clamp. You will need a 30 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.
 3. 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**.
 4. 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.
 5. 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**.
 6. 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.
 7. 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.

- B. 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.)
- C. 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.



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- D. 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 **14 ft lbs.**
- E. 1. Slide both left and right HeliBar up against the bottom of the top triple clamp.
2. 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 12 foot pounds. It is **imperative** that the HeliBar fork clamps are touching the bottom of the triple clamp.
3. See **Photo #5** for proper right HeliBar wire loom cable tie positioning.
- F. 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**.
1. **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
2. Tighten both master cylinder clamp pinch bolts to 7 foot pounds starting with the top screws first.
3. 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.
4. 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.

**!! 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 IN
IMPROPER USE OF ANY HELI BARS.**

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CBR1000RR HELI BAR INSTALLATION PHOTOS

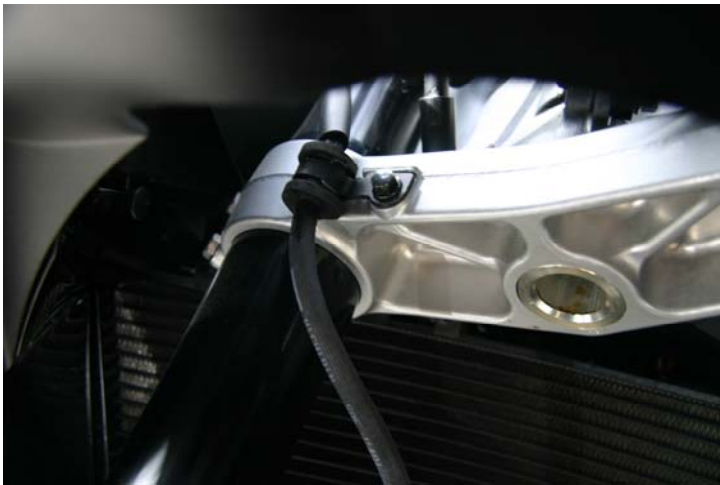


Photo #1



Photo #2



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Photo #3



Photo #4



Photo #5



Photo #6



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Photo #7



Photo #8

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