

INSTALLATION INSTRUCTIONS

2014-2016 BMW R1200RT

HeliBars Replacement Handlebars

Part # HB05106

***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.**

!! 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!





BMW R1200RT (2014-2016)

Installation Instructions – Part # HB05106

1 3/4” (44.5mm) Taller, 1 1/4” (32mm) Rearward, 2” (50mm) Wider

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

HeliBars installation requires no modifications to the motorcycle other than stock handlebar tube removal and can be returned to stock configuration.

1. Cover fuel tank and fairing sides to protect surfaces.
2. Remove damper weights from bar ends, T45 torx. (See Photo# 1)
3. Remove clutch master cylinder from left bar, T30 torx (Photo #2A & #2B). Rest it on a rag.
4. Remove the single screw holding the left grip/control housing in place by peeling back the grip. Use a T15 torx. Rotate the handlebars all the way to the left steering stop. Carefully remove the grip/controls by gently twisting and pulling it. (Photo #3 & #4) Return the bars to the straight forward position.
5. Remove left handlebar mounting screw. Use a T50 torx. (Photo #5)
6. Remove left handlebar tube using supplied removal tool.
 - a. Slide open end of extractor tool over left handlebar until it bottoms out on handlebar mount casting. (Photo #6)
 - b. Apply some grease or engine oil to threads of extractor bolt, place supplied washer over bolt and thread it into the end of the handlebar tube. (Photo #7)
 - c. With a 13mm ratchet or box end wrench, crank the bolt in to extract the handlebar tube from the casting. (Photo #8) Remove left handlebar tube from extractor tool.
7. Install left HeliBar
 - a. Slide left HeliBar into left grip/control housing until damper end is visible. A slight twisting motion helps. (Photo #9)

- b. Engage mounting shaft into mounting bore, align anti-rotation tab jaw into cast rib as shown. (Photo #10A & #10B.)
 - c. Apply a medium blue loctite to the threads of the mounting screw and thread into place. With the mounting bolt snug but not tight, rotate bar forward to take out play in the anti rotation stop, and start to tighten the bolt. Torque to 30ft lbs. (See Photo #11)
 - d. Align left grip with mounting hole, insert screw and tighten. Sometimes the nut on the opposite side pushes out of position when the screw is inserted. Reposition nut if necessary and tighten. Refer back to (Photo #3)
 - e. Remount the clutch master cylinder and leave about a 1/8 inch gap between the clamp and the control housing. (See Photo #12) Adjust clutch lever angle and tighten clamp starting with the top screw first.
 - f. Install damper weight onto end of bar and torque to 16 ft lbs. (See Photo #13)
8. **IMPORTANT!** Relocate front brake hydraulic line wire loom to gain additional slack.
- a. Carefully cut cable tie holding the front brake hydraulic line and wire loom to it's bracket. (See Photo #14)
 - b. Pull line and wire loom up, using the cable tie provided, re-attach to the upper right frame tube, just in front of the fuel tank. (See Photo #15) This is imperative to keep the front brake hydraulic line from being damaged over time from being pulled too tight when the bars are rotated to full left steering stop.
9. Remove right handlebar
- a. Remove right damper weight. Refer back to step 2 (Photo #1) Remove front brake master cylinder and rest on a rag.
 - b. Loosen and remove T8 screw from bottom of right control housing. With your nail, push down on the forward edge to disengage cover. Carefully remove cover to not damage wire connection. (See Photo #16 & Photo #17)
 - c. Remove forward T8 screw holding top right control housing cover in place. (See Photo #18)
 - d. Remove mounting screw from throttle assembly. Gain access by moving top cover (See Photo #19)
 - e. Turn the bars all the way to the right steering stop and carefully remove the throttle assembly from the right handlebar tube. (Photo #20)
 - f. Remove right handlebar with extractor tool as per the left side.
10. Install right HeliBar
- a. Slide throttle assembly onto right HeliBar, slide spindle into bore and align anti-rotation groove so it engages cast rib as shown in (Photo #21)
 - b. Apply a medium blue loctite to the threads of the mounting screw and thread into place. With the mounting bolt snug but not tight, rotate bar forward to take out play in the anti rotation stop, and start to tighten the bolt. Torque to 30ft lbs. (See Photo #12)
 - c. Align throttle housing with locating hole, insert screw and tighten. (Photo #23)
 - d. Reinstall upper right side control top half cover, by inserting screw then move cover into place and tighten. Remember you're tightening a small screw into plastic. **DO NOT OVER TIGHTEN!!** (Photo #24)



- e. Reinstall lower cover. It's a tight fit going back on, make sure wire loom and grommet fit in groove. (Photo #25A & #25B) Click forward section into position.
- f. Install final screw on the back half of right control housing and tighten carefully. (Photo #26)
- g. Install front brake master cylinder and leave a 1/8 inch gap between the control housing and the side of the cap. (Photo #27)
- h. Reinstall right damper weight and torque to 16 ft lbs.

Sit on machine and adjust clutch and front brake lever angle if required and retighten. Double check mounting bolt torque of 30 ft lbs.

!! CAUTION!! HARDWARE 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 PRODUCT.





Photo # 2A

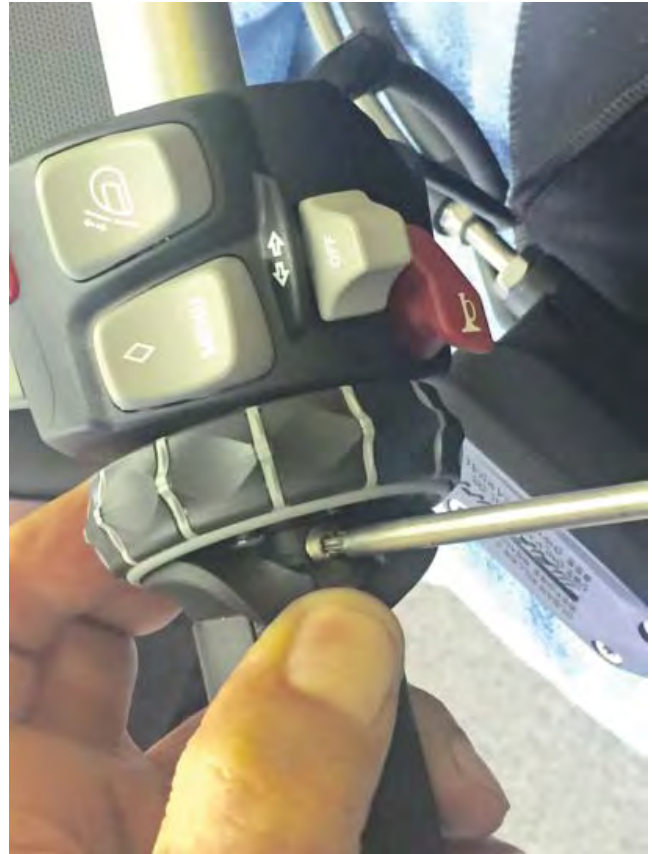


Photo # 3



Photo # 1



Photo # 2B





Photo # 5



Photo # 7



Photo # 4



Photo # 6





Photo # 9



Photo # 10B



Photo # 8



Photo # 10A





Photo # 12

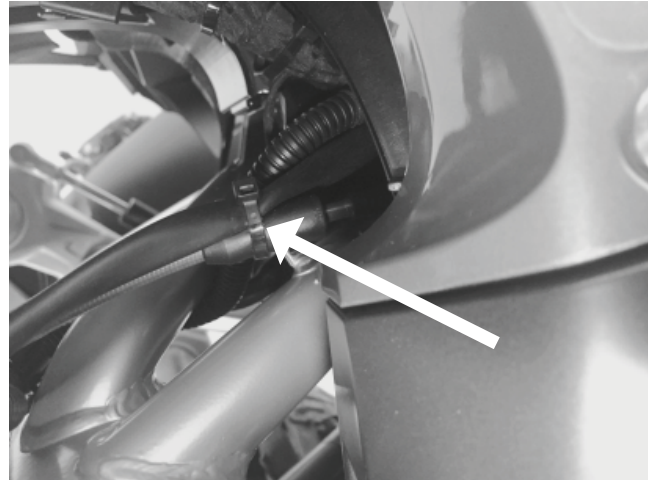


Photo # 14



Photo # 11



Photo # 13





Photo # 16



Photo # 18



Photo # 15



Photo # 17





Photo # 20



Photo # 22



Photo # 19



Photo # 21





Photo # 24



Photo # 25B



Photo # 23



Photo # 25A





Photo # 27

Photo # 22



Photo # 26

Photo # 22



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



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.

