

INSTALLATION INSTRUCTIONS

2009+ BMW K1300S
TracStar™ Replacment Handlebars

P/N: TS05030

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

HELIX BARS



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!



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.





2009+ BMW K1300S
TracStar™ Replacment Handlebars
Installation Instructions
P/N: TS05030

1 1/4" Taller ~ 1/2" Rearward ~ 1 1/2" Wider at 27.5"

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

NOTE: TORQUE BITS ARE REQUIRED TO REMOVE ALL SCREWS.

Installation of the K1300S TracStars™ is simply a reversal of the disassembly process. The left and right control housings are a bit complex with small screws and covers. Use caution when re-assembling housing. Remember you are tightening screws into plastic. Do **NOT** over tighten during re-assembly. The factory service manual would be a good idea.

1.) To remove left handlebar:

- a. Remove bar end weights.
- b. Cut small cable ties holding wire loom from left control housing (Photo 1)- one under the handlebar anti-rotation bracket and the other attaching the wire loom to the underside of the top triple clamp. Do the same on the right side.
- c. Remove the clutch master cylinder from the left bar.
- d. Remove left bar from the top triple clamp by loosening the two clamping screws. Only the inner most screw needs to be removed to withdraw the stock bar. This will greatly simplify control housing disassembly and removal from the stock bar. Remove the anti rotation bracket holding screw located under the top triple clamp.
- e. (See Photo 2). Use a T8 long nose Torx to remove lower cover. Remove small cover first. See Photo 3 for reference. Photo 3 is shown with housing mounted on the left TracStar. Bar is inverted for ease of re-assembly.
- f. Remove the screw and nut holding the left grip in place. Peel back the grip to gain access. See Photo 4.

2.) To remove right handlebar:

- a. Remove bar end damper weight.
- b. Remove cable ties as per step 1-b.
- c. Remove front brake master cylinder from the bar.
- d. Remove anti rotation bracket holding screw located under the top triple clamp.
- e. Loosen the two screws clamping the right bar to the triple clamp. Only the innermost screw needs to be removed to withdraw the stock bar. This will allow stock bar to be rotated to ease throttle and control housing disassembly.
- f. Use Photo 5, 6 and 7 to assist in disassembling/assembling throttle housing and throttle.

- g. Remove throttle upper half (one screw.)
- h. Remove one Torx screw holding upper half.
- i. Remove final screw and nut. See Photo 5.

3.) **Installation of the HeliBars:**

- a. Installation is simply a reversal of steps 1 & 2.
- b. The left TracStar has a small L machined into its nose along with the HeliBar logo
- c. Install left and right TracStar HeliBars as per the original layout. Slide left grip and throttle grip over the ends of the bars before the bars are inserted into the top triple clamp.
- d. Take care when screwing the control housings together. Make sure the wire looms are correctly positioned.
- e. Install the damper weights.
- f. It is necessary to rotate the front brake hydraulic line banjo fitting to the outside of the machine (clockwise looking down from the saddle) at the master cylinder. Loosen the banjo bolt just enough to rotate the fitting so it rests against the outside positioning tab. This moves the line forward slightly and keeps it from hanging up on the ignition housing when the bars are turned to the left and then forward again. (See PHOTO 6). Re-tighten banjo bolt.
- g. Loosen the clutch banjo bolt and rotate the clutch hydraulic line clockwise until it contacts the stop. This extra slack is required. Re-tighten.

4.) **Positioning TracStars and torque pinch bolts:**

IMPORTANT: If the bars are rotated back (towards the rider) too far it uses up all available slack in front brake hydraulic line because it rotates the master cylinders up too far. When moving the bars to full or right steering stop, if any of the hydraulic lines seem tight or if any of the control surfaces contact the fairing, remove the master cylinders from the bars, loosen the mounting pinch bolts, rotate bars forward and re-tighten pinch bolts. Re-mount master cylinders and adjust them in the lowest position.

- a. Make sure the inner pinch bolts engage into the radius slots cut into the mounting shaft when the bars are installed into the triple clamp.
- b. Rotate the bars to obtain the best lever angle and torque the four 6mm pinch bolts (2 per side) to 10ft lbs. Re-attach the left and right control housing wire looms to the bosses on the bottom of the top triple clamp (See PHOTO 1).
- c. If the clutch hydraulic line pulls tight when the handlebars are rotated to the left side steering stop, remove the cable tie holding the line to the right side fairing frame.

CAUTION: After installation is complete, start the machine and with the bike in neutral go to left lock and then to right lock and confirm that the RPMs do not change and that the front brake hydraulic line does not catch on the ignition housing.

!! 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.

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Photo # 2

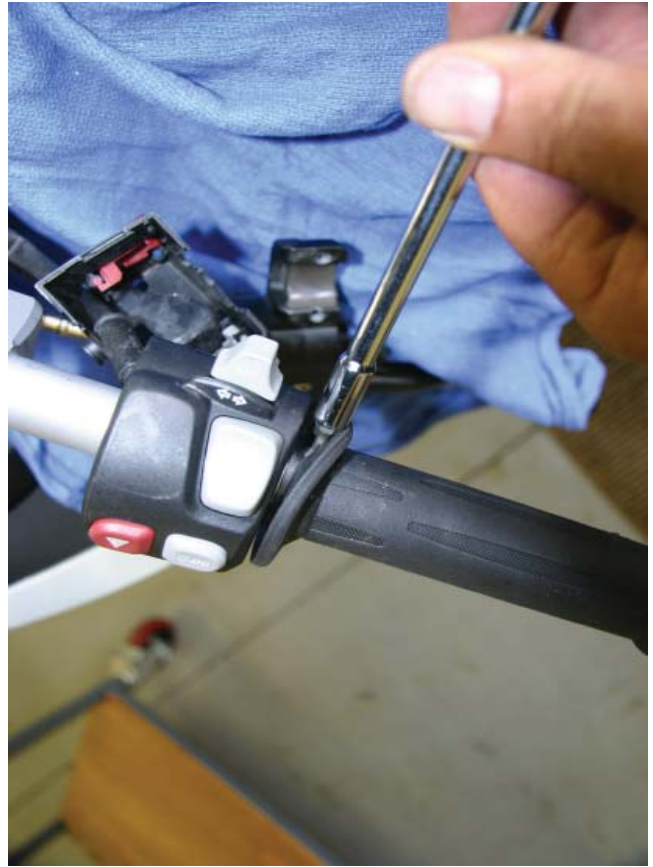


Photo # 4



Photo # 1



Photo # 3





Photo # 6

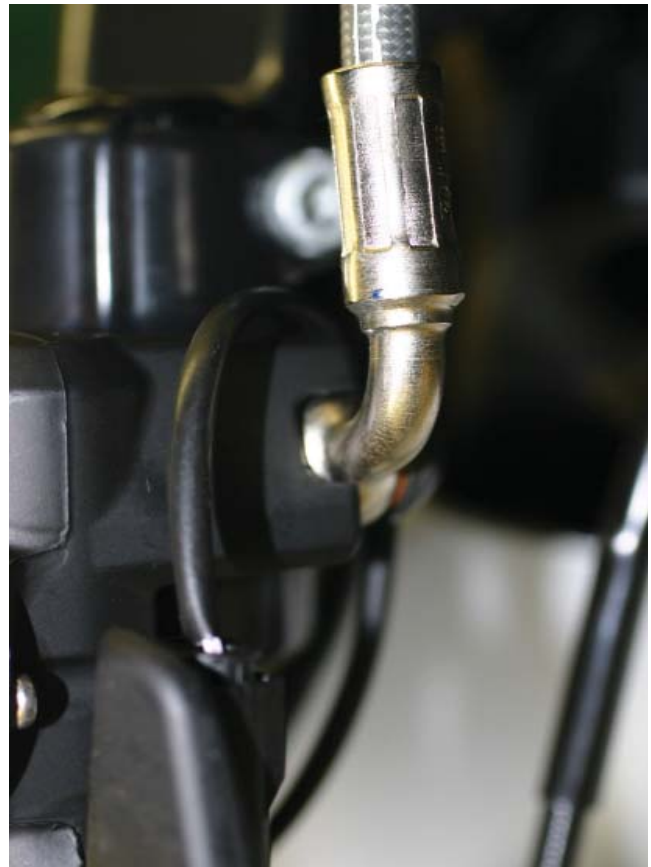


Photo # 8



Photo # 5



Photo # 7





Photo # 9

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



~ PO Box 638 ~ 20 Industrial Way ~ Cornish, ME 04020
Toll Free: 800-859-4642 ~ Int'l: 207-625-4642 ~ Fax: 207-625-3024 ~ www.HeliBars.com

Trailer 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.

