

INSTALLATION INSTRUCTIONS

BMW F800ST
Tour Performance HRA (Handlebar Relocation Adapter)
P/N: HR05055 Pilot Model

***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.





BMW F800ST Handlebar Relocation Adapter Installation Instructions

Part # HR01055 Pilot Version – Pre-drilled Hole to Accept Ram Ball 1
Part# HR01056 Standard Version – Ram Ball & Powerlet Socket

2 1/2" Taller ~ 3 1/2" Rearward ~ 4.163" Net Gain to Rider

This kit is designed to raise and offset to the rear the stock factory handlebars and controls.
All stock cables and hydraulic lines are retained.
Torx bits are required to dismantle control housings.

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ATTENTION: BMW uses torx head screws on all components.

Before the stock handlebars are removed, several alterations need to be performed to enable enough slack for the new bar position.

- 1.** Cut the cable ties that hold the control housing wire looms to the ignition mounts. **See photo #1.**
- 2.** Remove the wire loom connectors from the right and left control housings. **See photos #2 and 3** for the right side and 4, 5 and 6 for the left side. Remove torx screws to remove covers to gain access to connectors.
- 3.** Feed both left and right side wire looms under the top triple clamps and bring them up the back side (facing rider) and re-connect to control housings. This produces the necessary slack for the wiring looms.
- 4.** Re-route the throttle cable. Remove cable from the throttle housing and bring it up behind the top triple clamp. Remove cover (**see photo 7**) to gain access. Throttle cable should be positioned behind the right side fork tube (**see photo 8**). Re-attach.
- 5.** Remove plastic keeper that hold hydraulic lines together. Follow the front brake hydraulic line down from the master cylinder to where it curves under the bottom triple clamp. Find the clip that holds it to the center hydraulic line. Remove this clip only (**see photos 9 & 10A**). CAUTION: DOT 4 brake fluid is damaging to plastic and painted surfaces! Remove the metal guide from the lower triple clamp. See arrow on Photo #15. Remove metal mounting tab from grommet. I will not be re-used, leave grommet on hydraulic line.. Place a rag under the front brake master cylinder. Leave the front brake master cylinder reservoir cover in place and remove the brake hydraulic line from the bottom of the master cylinder. Very little brake fluid will leak out. Make sure both sealing washers are on the banjo bolt, keep them in place on the banjo fitting.

10. Double check all work performed. Make sure everything disturbed or replaced has been torqued. Go to full left and right steering stops and make sure nothing jams or pulls tight.

Refer to **photo #17** for proper placement of the throttle cable and the right control housing wire loom.

11. To wire the Pilot version, refer to **photo#18** for positioning of the power lead.





Photo # 6



Photo # 8



Photo # 5



Photo # 7





Photo # 13



Photo # 14



Photo # 11



Photo # 13



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.

