

INSTALLATION INSTRUCTIONS

Yamaha YZF R1

2009-2014

P/N: TS09037

***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!





2009-2014 Yamaha YZR R1 Part # TS09037

Installation Instructions

2" (50mm) taller ~ 1/4" to 1" rearward adjustable over a 3/4" range ~ 1 1/4" wider at (26 1/4")

WARNING: IMPROPER INSTALLATION COULD RESULT IN SERIOUS INJURY OR DEATH.

HAVE A QUALIFIED MECHANIC INSTALL YOUR HELIBARS®.

1. Remove Left & Right damper weights.
2. Remove Left & Right clip-on positioning screws (see Photo #1).
 - a. Remove plastic covers.
 - b. Loosen and remove both socket head cap screws.
3. Carefully cut and remove the cable tie holding the front brake hydraulic line against the right fork tube (see Photo #2).
4. Reposition the hose clamp on the reservoir tube at the front brake master cylinder (See Photo #3). Use a pair of pliers, compress the clamp tabs and rotate the clamp roughly 90 degrees counter clockwise.
5. Loosen and remove the screw that attaches the front brake reservoir to it's plastic mount. Do not remove the plastic mount from the top triple clamp.
6. Remove the top triple clam.
 - a. Loosen and remove the steering stem nut and washer. Use a 36mm socket and a long breaker bar.
 - b. Loosen the Left & Right clip-on pinch bolts, rotate the bars forward to gain access to the top triple clamp fork tube pinch bolts and loosen them only. It is not necessary to remove them.
 - c. Pull up on the top triple clamp while applying some rearward pressure on the front wheel with your shin. Remove from fork tubes and steering stem and place a shop rag under it.
7. Remove stock clip-ons
 - a. Remove Left control housing from bar.
 - b. Remove Left grip.
 1. Start a thin screwdriver down between the grip and the bar tube. Drip a little rubbing alcohol into the gap and carefully work the screwdriver a bit deeper.
 2. Grab the grip with one hand and twist the grip until it slides off.
 - c. Loosen clutch lever mount pinch bolt, slide bar up and over the fork tube and remove Left clip-on.

- d. Loosen the two throttle housing socket head cap screws and back them out a bit but do not remove them.
 - e. Spread the two halves of the throttle housing apart enough to disengage its locking pin.
 - f. Remove the two screws from the right control housing and remove from bar.
 - g. Loosen and remove the front brake master cylinder and clamp from bar. Notice the clamp has an up arrow.
 - h. Remove right clip-on from fork tube and withdraw from the throttle housing.
8. Install TracStar HeliBars
 - a. On the left side, slide the clutch lever mount over the TracStar tube and slide the bar down the left fork tube.
 - b. Install the left control housing.
 - c. On the right side the throttle housing position has been modified from stock to produce necessary clearance for the taller bar position. (See Photos 4 & 5). Slide the housing over the right TracStar tube and slide the bar over the right fork tube.
 9. Install the top triple clamp.
 - a. Line up the top triple clamp over the fork tubes and steering stem and slide down into position.
 - b. Install steering stem washer and nut and lightly tighten them at this time.
 - c. Torque the two triple clamp fork pinch bolts to 19 ft lbs.
 - d. Torque the steering stem nut to 85 ft lbs.
 10. Slide the left clip-on up against the bottom of the triple clamp and engage the rotation limiter pin behind the factory alignment bolt hole. Torque the left TracStar fork clamp pinch bolt to 12 ft lbs. There is a forward and back adjustment range of $\frac{3}{4}$ inches.
 11. Repeat step 10 for the right clip-on. Torque the pinch bolt to 14 ft lbs.
 12. On the left side adjust clutch lever to the desired angle. The clutch lever mounting clamp should have a $\frac{3}{8}$ " gap between the clamp and the control housing (See Photo #6). Tighten clutch clamp pinch bolt.
 13. Install left grip.
 14. Install left bar end damper weight with rubber bushing provided installed (See Photo #8).
 15. Mount front brake master cylinder to right TracStar as shown in Photo #4, adjust lever angle and tighten the tow clamp screws. Place the throttle so the locating pin is engaged and tighten two clamping screws.
 16. Rotate the reservoir feed tube elbow located on the master cylinder back towards the fork tube with some thumb pressure. This will allow throttle cable clearance.
 17. Install the right damper weight (See Photo #8).
 18. Re-attach front brake hydraulic line to right fork tube with cable tie provided.
 19. Re-install factory clip-on positioning screws with nuts provided followed by the plastic caps.



!! 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 HELIBARS.





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 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.

