



Handlebars for the long haul

2009-2010 Yamaha YZF R1

Installation Instructions – Part # TS09037 – Page 1

2" taller * 1/4" - 1" rearward (adjustable over a 3/4" range * 1 1/4" wider (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 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° 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 quit a bit but do not remove them.
 - e. Spread the two halves of the throttle housing apart enough to disengage it's locking pin.
 - f. Remove the two screws from the right control housing and remove from bar.

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- 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 12 ft lbs.
 - d.** Torque the steering stem nut to 65 ft lbs.
- 10.** Slid 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 3/4 inches.
- 11.** Repeat step 10 for the right clip-on. Torque the pinch bolt to 12 ft lbs.
- 12.** On the left side adjust clutch lever to the desired angle. The clutch lever mounting clamp should have a 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**).

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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 #1



Photo #2

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Photo #3



Photo #4



Photo #5



Photo #6

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Photo #7



Photo #8



TracStar vs. Stock

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