



Handlebars for the long haul

2003-2009 Suzuki SV650S

Installation Instructions – Part # HB03045 (Page 1)

1 ¼" taller * 1" more rearward * 1 ½" wider

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

Installation is simply a reversal of the disassembly process.

- 1.) Remove both left and right damper weights. Note the locations of all cables, hydraulic lines and wire looms.
 - 2.) Remove top triple clamp. To make this easier, put the machine in 1st gear. Standing in front of the machine, put one of your shins against the front wheel and apply a bit of rearward force to the front end. This will help take the bind out of the front end and help in the removal of the triple clamp. (The steering stem nut is 32 mm)
 - 3.) Remove the front brake reservoir from the right handlebar. Leave the bracket attached to the reservoir, as it will be used to reattach the HeliBar in the same location.
 - 4.) Micro Switch Connectors (Clutch & Front Brake)
Both left and right plug in connectors need to be unplugged and rotated 180 degrees before they are reconnected. The clutch side should have the wires (entering the connector) facing forward. The front brake side should have the wires facing up.
- * We recommend changing one bar at a time. *
- 5.) On the right side, assemble the controls onto the HeliBar and slide down on the fork tube low enough so they don't interfere with the top triple clamp when it's reinstalled. Tighten the clamp screws enough so the bar does not move.
 - 6.) Assemble the left side controls on the left HeliBar and slide down on left fork tube as per above.
 - 7.) Reassemble the top triple clamp. The machine should still be in 1st gear. Standing in front of the machine, put one of your shins against the front wheel and apply a bit of rearward force to the front end. This will help take the bind out of the front end and help the triple clamp slide down over the steering stem. Lightly tighten the steering stem nut. Torque the fork tube pinch bolts to 12 ft. lbs. Then torque the steering stem nut to 65 ft. lbs.
 - 8.) Pull the HeliBars up against the bottom of the top triple clamp and tighten enough so they are stable when you carefully go lock to lock to adjust the HeliBar clearance. Once the bars are adjusted properly leaving enough room for your hand on full left and right lock positions, torque the HeliBar clamp pinch bolts to 12 ft. lbs.



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**!! 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.**