

Suzuki DR 650

Installation Instructions

GPRv4 / 2009-2010



Please Read! Important Information Before You Start:

This is a complete bolt-on kit. GPR Stabilizer recommends installation be performed by a professional motorcycle mechanic. It is of extreme importance that your steering damper setup is free of binding or any issues restriction the steering. This includes cables, additional bar mounted accessories, improper installation and not adjusting the pin height (dirt bikes). The purchaser of any of GPR Stabilizers products is solely responsible for the correct installation and maintenance of your product. Improper mounting or neglected service could have a negative effect of the performance and reliability of your steering damper. It can also create excessive stress and wear to the stabilizer and mounting brackets. For proper rebuilds, service and correct mounting brackets please contact GPR Stabilizer. GPR Stabilizer is not responsible for any damage to your bike or body while installing or using our products. If you have any other questions or do not understand any or part about installing this kit on your bike, please refer to our support page or call us. Typical installation time is 1-1.5 hrs.

GPRstabilizer.com / 619-661-0101

- 1 - Remove the headlight / number plate. Remove the bar caps and handle bars. Remove the top clamp and OEM bar mounts.
- 2 - Clean around the head tube and install the frame mount by sliding it over the head tube. Slide it down, tapping it evenly around to secure the ring part of the mount as far down as it can go. Center it up and tighten down the pinch bolt.
- 3 - On the top-clamp, install the GPR supplied lower bar mounts using the supplied bolts. Re-use the OEM washers where needed.
- 4 - Install the top-clamp and tighten the steering stem nut to the OEM torque spec.

****** MAKE SURE THE PIN-HEIGHT HAS BEEN SET BEFORE YOU INSTALL THE DAMPER ******
Incorrect pin height will result in damage to the damper while installing it.

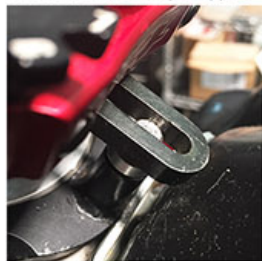
Instructions - Setting the Pin Height

This is the most critical part to "get right" when installing this kit. Please call us, or email, if you do not understand this set up. This "floating pin" consists of two parts. The stainless steel flat-sided pin is fitted into the post mount with the flat sides up. The aluminum collar around the pin is a pressed fit and is to be adjusted AFTER the post mount has been finally secured and BEFORE the steering damper is bolted on. Center the top clamp and place the steering damper over the bar mount and move the damper arm - OFF TO THE SIDE OF THE PIN, then position the damper flush against the bar mount, with out the bolts, and move the arm over to the pin to check the height. If too high: Gently, but firmly, strike the top of the pin while in the post mount. Tapping down until the top of the pin is flush with the top of the damper arm. If the pin is too low: Pull the pin out, turn upside-down back into the post mount and gently tap with the hammer until u have enough height. Too high of a pin + bolting down and securing the damper without checking the pin height will cause internal damage and will destroy the seals. Also when finally securing the damper, make sure the flat sided pin is pressed into the slotted arm evenly as the damper is being tightened down.

Too Tall - Will Cause Damage!



Too Short - Not Enough Support



Correct! Top Is Flush With Top of Damper Arm.



Enough Clearance For The Damper And Free Movement



- 5 - After setting the pin height, install the GPRv4 damper unit by tightening down the two m6 bolts, while at the same time, sliding the flat-sided pin into the arm. Use a soft hammer to gently tap it into place. Then tighten down the damper securely. Check the pin height again and make sure the top of the pin is flush with the top of the damper arm.
- 6 - Re-install the handle bars and head-light / number plate. The two piece clip is a guide for the throttle cable and connects to the frame mount.
- 7 - Make sure everything is secure and tight. Move the handle bars back and fourth while checking for any clearance or binding issues. If you have any problems or questions with this kit please give our tech department a call at 619-661-0101 or check our support page on our website at www.gprstabilizer.com.