

### **WARNINGS & DISCLAIMERS**

1. Read all instructions and save them for future reference
2. This component should be installed by a certified mechanic or qualified technician.
3. Death or serious injury could result from improper use, or installation of the steering damper
4. PSR is not liable for any damage claim or liability claim, personal or otherwise resulting from operation of this product in any way.
5. PSR sportbike steering dampers kits are designed to fit stock top triple clamp and frame only. If either part has been modified or if the bike has been crashed prior to installation, this kit will not installed properly and will not work properly as designed.

### **General Installation Overview:**

PSR sportbike steering damper kit usually consist of top triple clamp mounting bracket, a frame mounting bracket that installs just in front of the gas tank, and a steering damper assembly. \*\*\* pictures shown below are for illustration purpose only. Actual products will vary among different applications \*\*\*



top triple clamp mounting bracket



frame mounting bracket



steering damper assembly

### **A: Top triple clamp mounting bracket:**

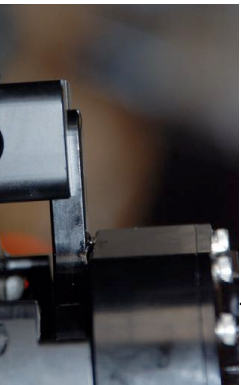
1. Remove stock steering nut and washer and set them aside (skip this step for R1, & 06&sup R6, as the top triple clamp mounting bracket goes over the stock steering stem nut). Some bike application may come with replacement steering nut, if so, it will be used in Step 2.
2. Place the top triple clamp mounting bracket over the exposed steering stem and installed the nut, **DO NOT USE THE WASHER**. (if a replacement nut is included in your specific kit, use the replacement nut instead of the stock nut). Torque to manufacturer's specification, if unknown, please consult service manual or your local dealer.
3. There are Set Screws on some specific bike models' top triple clamp mounting brackets. Be sure to use Thread Lock compound on the set screws, center the bracket, tighten the set screws. **DO NOT OVER TIGHTEN**.

### **B: Frame mounting bracket:**

1. Remove front gas tank bolts carefully and set them aside.
2. Determine the correct orientation of the frame mounting bracket and tighten using the supplied longer bolts, do not use thread lock on these bolts. Torque to manufacturer's specification, if unknown, please consult service manual or your local dealer. If unable to determine the correct orientation, **STOP** and call PSR immediately. We'd be more than happy to assist.

### C.: Steering Damper assembly:

1. Line up steering damper assembly by inserting the damper arm in the frame mounting bracket and placing the damper body on top of the top triple clamp mounting bracket.
2. Using the 2 supplied M6x25mm bolts, hand tighten the steering damper assembly to the top triple clamp mounting bracket. Check to be sure the damper is seated properly.
3. Check at least 1/2" of damper arm is inside the post slot in the frame mounting bracket. The damper arm does not have to be flush with the top of the slot post.



4. Tighten the two bolts in step 2 with proper hex tool. DO NOT OVER TIGHTEN.
5. With the damper dial in the top center stock setting, slowly turn the handlebar from side to side to ensure the damper arm is seated properly in the slot. Tighten the pinch bolt in the frame mounting bracket slot.

### **Getting used to the PSR steering damper:**

1. There are 20 settings on the PSR steering damper that runs clockwise from stock (top dead center) to soft to hard for both low and high speed.
2. Start with the soft settings and give yourself some time to get used to the riding effect with the steering damper. Gradually setting to settings that you would feel comfortable with according to your riding preference.

### **Maintenance of your PSR steering damper:**

1. We only use the highest quality seals and fluids in every one of our steering damper. However over time and normal usage, they do deteriorate and fade. PSR offers lifetime maintenance on seal & fluid replacement with a very minimal fee.
2. If the motorcycle will not be ridden for months at a time, we recommend moving the adjustment dial thru out the settings and turn the handlebar from side to side at least once a month to ensure the seals are lubricated.

**Check out other great products by PSR: Frame sliders, CNC engine case covers, engine case armors, racing chain adjusters, digital tire warmers, Click 'N Roll race levers, remote brake adjusters, Dagger levers, bar end mirrors, Powerchock, PowerPlatform, Kingpin - Wheel Tree, PowerJack stands & More!**

**Warranty:** PSR products are intended for closed course competition purposes only, and therefore are sold "as is" WITHOUT warranty. PSR specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential and incidental damages or any other losses arising from the use of these products or parts.

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