



iSHOCK[®]
HYDRODYNAMICS USA

HD HYDRO
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HydroDynamics USA, Inc.
9303 Bond Ave.
El Cajon, CA 92021
1-866-GO-iShock

iShock "IRD" Steering Stabilizer Installation Instructions

Congratulations on the purchase of your new iShock IRD Steering Stabilizer. We believe that your new stabilizer will be to your satisfaction...Actually, your complete enjoyment and that is an iShock guarantee! We are also confident you will find the installation process both fun and rewarding. However, if you feel at all intimidated by the process or lack the experience to complete an intermediate to advanced level mechanical project, please consult the HDUSA trained technicians and consider employing the services of a certified technician to assist with the install. Failure to install this product correctly may result in serious damage to your vehicle and possible bodily harm.

Step 1:

As with all mechanical procedures, step 1 is safety! Please be sure to wear your safety glasses at all times, make sure your tools are well maintained and in good working order, and keep your work area completely clean and well organized thought out the entire procedure.

Step 2:

With most models, installation of the stabilizer is made easier with the front plastics removed. Remove plastics while carefully noting location of mounting hardware and electrical components such as the ignition system on some models.

Step 3:

Next, determine the best location for the stabilizer. Mounting location is dependant upon many factors including the make and model of ATV, whether or not plastics have been trimmed and compatibility with other aftermarket products such as exhaust systems and steering stems. Ultimately, the stabilizer needs to be mounted as such to allow the steering to turn stop to stop in the middle of the stabilizers travel without obstruction from other components. Also, when choosing the right location, take care to keep the stabilizer located in a safe position that does not protrude from the plastics and protection of the vehicle. Below is an example of a forward mount and side mount option. If you are uncertain about where to locate the stabilizer for your application, please do not hesitate to contact an HDUSA technician.

Side Mount



Front Mount



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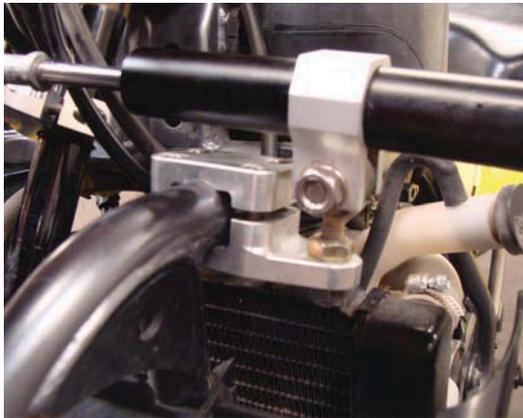
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Step 4:

First mount the Round clamp on your steering stem being careful to align the clamp with your desired stabilizer location. The clamp must be installed with the flange 90 degrees from the stabilizer:



Step 5:



Next mount the square clamp on the frame rail in the desired location making sure to evenly torque the mounting hardware to 30 foot pounds.

Install the stabilizer loosely and select the proper mounting position by turning the ATV completely in both directions and setting the stabilizer in a location that positions the body in the center of the shaft travel. **The stabilizer should not reach max travel in either direction.** Once it is determined that the stabilizer travel is in the correct position, and the unit does not interfere with any other components at any time during the full turn test, tighten all hardware and reinstall plastics. Again, if at any point you have any questions at all, please contact an HDUSA technician.

Stabilizer adjustment is made simple with a variable damping adjustment located at the end of the stabilizer shaft. Turning the knob in a clockwise direction will add damping or "stiffen" the action at the handle bars.

