

**Thanks for Ordering the Yamaha
Rear Suspension Lowering Kit from**



READ THIS BEFORE UNPACKING YOUR KIT!

This instruction booklet contains detailed steps for installing the rear suspension lowering kit on your Yamaha Royal Star motorcycle. Please pay careful attention to the instructions regarding the disassembly and re-assembly of your motorcycle. If you have any questions concerning installation of your new Scootworks Rear Lowering Kit, please contact us via e-mail at support@scootworks.com. This will ensure you receive the most prompt and accurate reply.

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Instructions for Installing the Scootworks Rear Suspension Lowering Kit

(Be sure to visit www.scootworks.com and select [“Information Resource Center”, then “Installation Instructions”] from the main page, for more info and pictures!)

Tools Needed:

- Motorcycle lift, or method of raising the rear wheel off of the ground
- 2ea. 17mm Wrenches or sockets

The installation of the Scootworks Rear Suspension Lowering Kit is an easy task and consists basically of removing and replacing the rear suspension coupling. However, Scootworks wanted to assist you as much as possible with the installation process, and developed this instruction package. If there are any steps you feel need improvement in instructions, please email support@scootworks.com and specify the area you are having trouble with.

Unpacking!

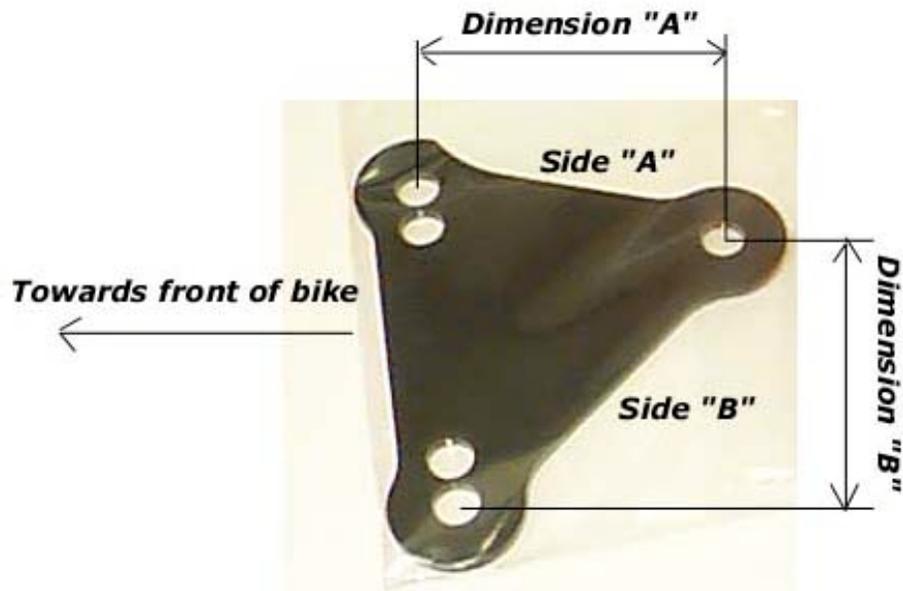
The shipping container and contents must be inspected by the purchaser for damage to goods immediately upon receipt of goods, and a claim must be filed with the carrier if damage is discovered. The purchaser must contact Scootworks within 24 hours from receipt of damaged goods to file a claim, and for further instructions.

Your Scootworks Rear Suspension Lowering Kit will come packed with two black powder coated triangular steel components, and these printed instructions.

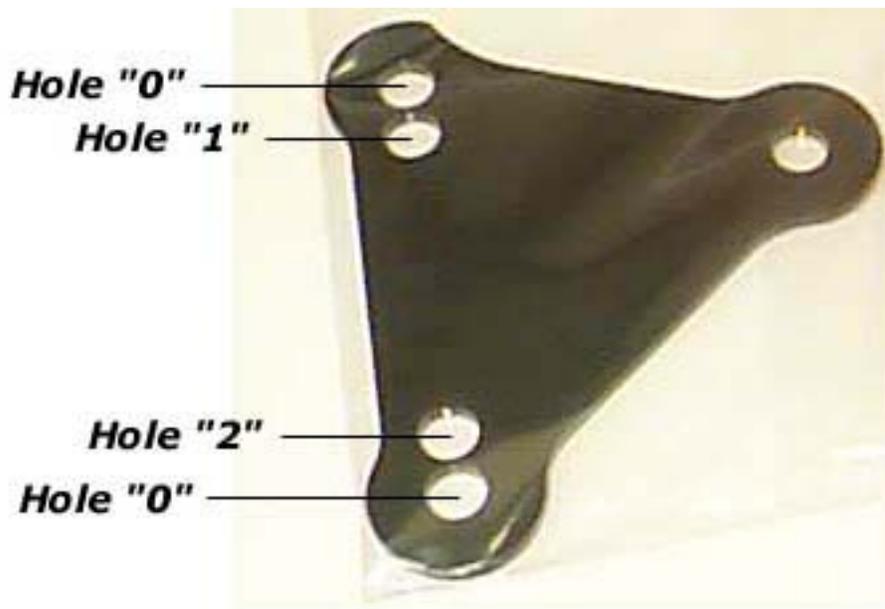
BEGIN INSTALLATION

1. This lowering method requires replacement rear suspension coupling components. This is a simple task, and is completely reversible. In addition, this kit provides for a 0” setting, to easily return your bike to its original height. First, raise the rear tire off of the ground by the frame before you begin. Raise the motorcycle so no weight is applied to the rear wheel, allowing the rear wheel to spin freely.

2. Next, become familiar with your lowering kit. You’ll notice that there are two corners of the lowering component with two holes each, and one corner with a single hole. The corner with the single hole attaches to the swingarm (the bolt that is closest to the rear wheel). The only important part of this familiarization process, is to make sure that you get the part oriented in the correct position. The following photos will explain the purpose of the different holes, and also help you turn the part in the correct position before you install it. Look at the first photo on the next page:



In the photo above, the part is positioned just as it should be, for installation on the left-hand side (kickstand side) of the motorcycle. A quick measurement will show that Dimension "A" on Side "A" should be shorter than Dimension "B" on Side "B". If not, flip your part over (turn the face you are viewing away from you, but keep the corners with two holes on your left), and measure again. Next, study the photo below for info on the different heights you can set your bike to...



When installed, Hole "0" will place the bike at it's original height. Placing the top bolt in Hole 1, and the bottom bolt in Hole 0, the bike will be lowered approximately $\frac{3}{4}$ ". Placing the top bolt in Hole 1, and the bottom bolt in Hole 1, the bike will be lowered approximately 2". Simple, eh? Now, let's move on to installation.

3. Below is a photo of the factory suspension coupling as installed in your motorcycle. This photo was taken from the LH side of the bike, to keep things in perspective with our previous photos. Loosen the three bolts holding the original suspension coupling, and remove. Be aware that the rear wheel will drop down when the bolts are removed, just so there are no surprises!



In the photo above, you'll see the upper LH bolt is connected to the frame, the upper RH bolt is connected to the swingarm, and the lower bolt is connected to the shock absorber. The corner of the Scootworks Lowering Kit with a single hole, will *always* be connected to the swingarm (the upper RH bolt, as viewed from the LH side of the bike). Install your new Scootworks Suspension coupling components, making sure the coupling on the RH side of the bike (opposite side from the photo above) is installed in exactly the same position as the one on the LH side of the bike. Reinstall the three bolts (be sure to put them in the holes required for the amount of lowering you desire!), and tighten to approximately 65 ft/lbs.

You're finished!

Now that you're finished, enjoy the lowered look and feel of your bike. In the event of any questions, feel free to email us at support@scootworks.com . We check this address daily, and will try to answer all questions as promptly as possible. - D. H.