



## Instructions for 240 Sport Bike Swingarm Installation

### Notes on fitting wide wheel and tire

- An advanced degree of mechanical skill is required to properly install this kit. If after reading these instructions you have any doubts, we strongly recommend that you have a professional install it for you. **If you install the kit yourself, we recommend that you also use the applicable shop manual for your motorcycle.** This kit involves significant alterations of your motorcycle and may void your factory warranty.
- Whenever installing wheels and tires that are wider than original equipment, please ensure that there will be sufficient clearance throughout the suspension range in the frame, swingarm, or fender and that there is no interference with the belt, chain, brake caliper, or exhaust system.
- Motorcycles can be dangerous if not properly maintained and ridden safely. RC Components has no control over the usage of any of its parts. RC Components expects its customers to exercise good judgment as to the proper selection, installation, use, and maintenance of any parts. RC Components assumes no responsibility for damage or injury of any kind because of the misuse or improper application of any parts in any way by any person. RC Components expects the end user to exercise good judgment.
- Before installing this kit, read through these directions completely. This will familiarize you with the way in which the parts fit together and the tools needed to complete the job.
- Before performing any installation steps, disconnect the motorcycle's battery to eliminate any possibility of electrical damage or personal injury due to a short circuit.

## Materials Needed:

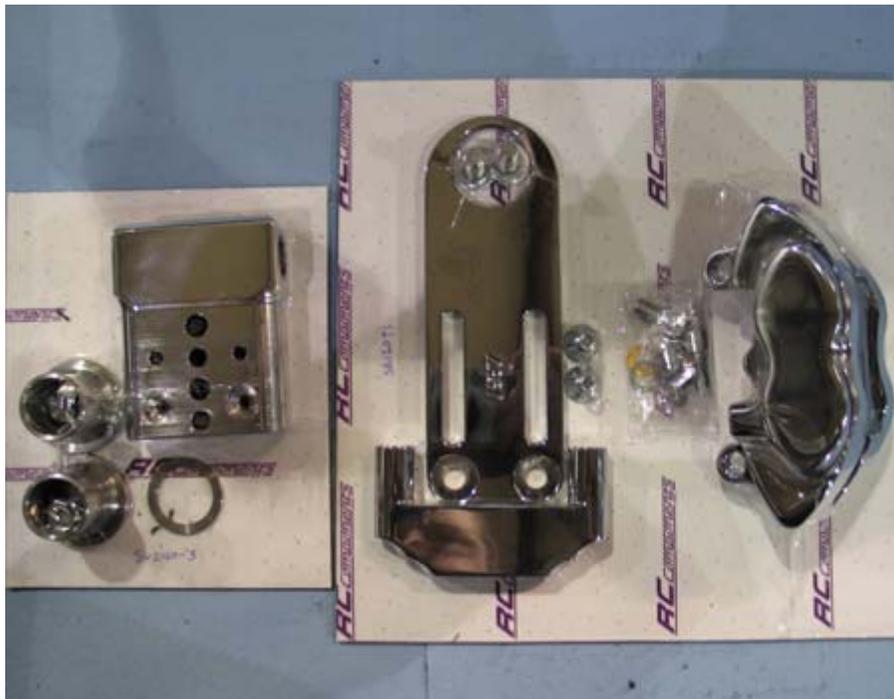
- Hardware Kit. Kit includes (See picture below):



04-05 GSXR750-600 & 03-04 GSXR1000 Kit Inboard Brake Kit



**04-05 GSXR750-600 & 03-04 GSXR1000 Kit for Stock Caliper**



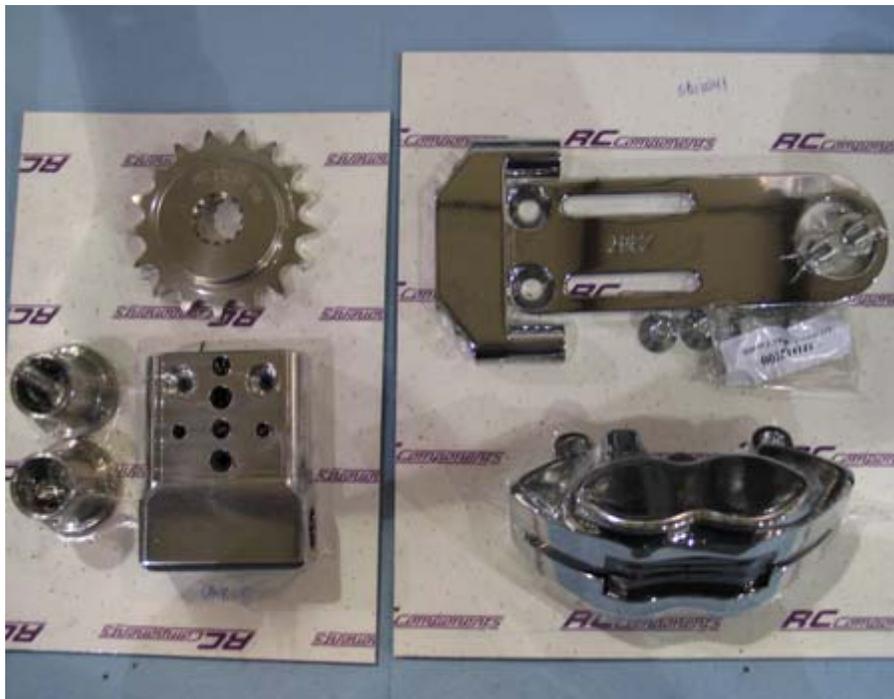
**08 Busa Kit for Inboard Brake**



**05-06 GSXR 1000 Kit for Inboard Brake**



**05-06 GSXR1000 Kit for Stock Caliper**



**99-07 Busa Kit for Inboard Brake**



**99-07 Busa Kit for Stock Caliper**

## **Tools Needed:**

- Bike Specific Service Manual (Refer to manual for all torque specs and tools that are not specified by RC Components.)
- Assorted hand tools, metric and standard sockets and wrenches.
- Hoist or other means to lift bike.
- Torque wrench
- Loctite, and anti-seize
- Chain breaker
- Bike specific sockets are required for some bikes. (Refer to factory service manual).
- Die grinder (for chain to frame clearance on some models)

## **Installation Instructions**

### **1.) Stock Component Removal**

To begin installing this kit it is necessary to raise the rear end of the bike using a suitable hoist. Be sure to keep the bike centered on the front wheel to keep the bike from tipping over. Once you have the bike lifted and properly secured, begin with the removal of the following stock components (**For detailed information on the removal of these parts, please consult your factory manual**):

- 1.) Muffler or mufflers
- 2.) Left side and lower body panels
- 3.) Voltage regulator (08 model only)
- 4.) Front sprocket cover
- 5.) Front sprocket
- 6.) Chain

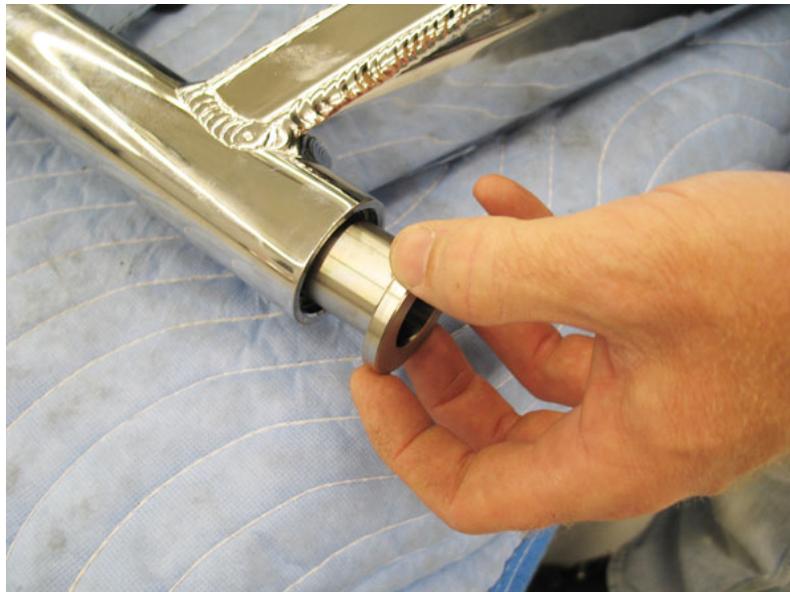
- 7.) Rear Axle, wheel and brake assembly
- 8.) Pivot tube and swingarm

## 2.) New Swingarm Installation

- A. Most of the pieces needed are installed on the swing-arm. You'll need to install the shock mount block with the 4 supplied flat head 5/16"bolts, use red loctite and torque to 25 ft lbs.



- B. Insert the 2 supplied pivot bushings in the pivot tube (on ZX14 use thickest spacer on drive side). Move your new swingarm into position. Once you have the swingarm in position reinsert the pivot tube to hold it in place.



- C. On some bikes (07' and earlier Busa's) it is necessary to grind approximately 1/8" off the frame for chain clearance. Not all bikes will require this, but it is best to mock up and test fit before final assembly.
- D. Next, you will want to reattach the shock and links to the underside of the swingarm. (Torque to factory specs)



- E. After you have the shocks reconnected you will next want to tighten the pivot tube to factory torque specifications. You will also want to reinstall the pivot tube nut and torque it to factory specs.



- F. With the swing arm now in place you are ready to install your wheel. First, make sure the axel adjusters are moved completely forward. This will allow for easier installation of the wheel and chain. Next, place the brake bracket in position and place the wheel in the swingarm. Insert the axle and tighten down just to hold the wheel in place.



- G. Now that your wheel is in place you are ready to install your new chain. Begin by first placing the supplied  $\frac{1}{4}$  offset sprocket (.080" spacer for 08' Busa) behind the front sprocket. Be sure to torque the sprocket to factory settings. Next, begin feeding the drive chain around the front sprocket and back to your drive sprocket.

Once, the chain is in place connect the two ends of the chain using a chain breaker. **Double check frame to chain clearance.**



- H. Next, adjust the axle adjusters to tighten the chain and center the wheel in the swingarm. **Double check frame to chain clearance**
- I. Install your front sprocket cover, and body plastic.



J. Lock down the adjuster bolts and torque the axle bolts to 65-70 ft.lbs.



Now that your wheel is installed and the chain is connected, you are ready to reinstall the rear brake assembly. Use the brake fluid type specified on the master cylinder cover. The RC kits have one length brake line for all the kits it has been used for all setups and works great with different routing.

To finish the project, install the axle covers onto your new swingarm. You are now ready to test ride your bike. Begin testing at low speeds and off busy roads. Visually inspect the swingarm before and after road testing.

All components have been installed and thoroughly tested. If proper assembly methods are used there will be no problems with the use, function, and dependability of your bike. Now it's time to get out and show off your new ride.

If you have any questions concerning the installation of this kit please call

**(270) 842-6000**

or email [tech@rccomponents.com](mailto:tech@rccomponents.com)