



## Instructions for 300 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.



## 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).

## 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**):

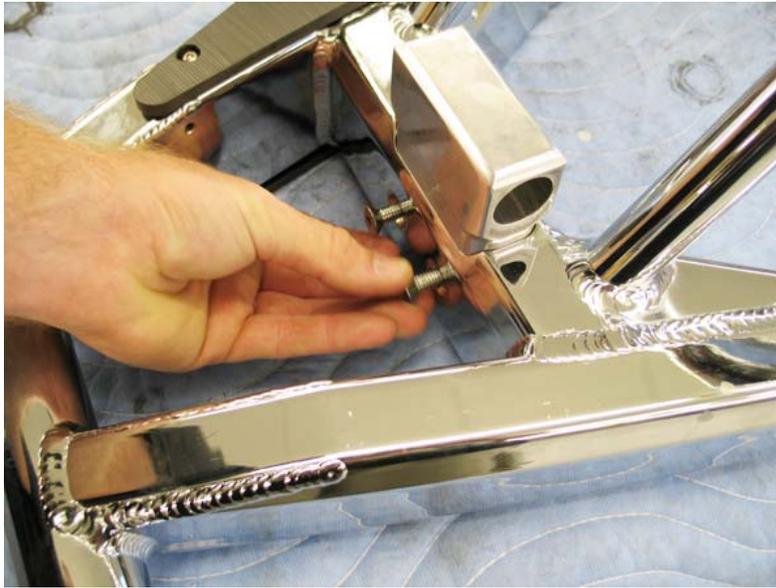
- 1.) Muffler or mufflers

Part Number: INSTSB300

- 2.) Voltage regulator (08 Busa only)
- 3.) Chain
- 4.) Rear Axel, wheel, and brake assembly
- 5.) 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. Next, you will want to reattach the shock and links to the underside of the swingarm. (Torque to factory specs)



- D. 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.



- E. With the swing arm now in place you are ready to install the jackshaft. There are 2 spacers, a short axle, and 2 bolts for the jackshaft. The small spacer goes to the inside and the jackshaft is the same on both sides. **(08' Busa jackshaft has a small register protruding on one side that goes to the inside).**





J. Next, adjust the axle adjusters to tighten the chain and center the wheel in the swingarm.



K. 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)