



Brock's Performance • 4064 E. Patterson Road • Dayton, OH 45430 • Phone: 937-912-0054 • Fax: 937-912-0062

KAWASAKI ZX-14/R (06-23) AIR CYLINDER MOUNTING KIT & AIR SHIFTER LEVER CLAMP INSTALLATION INSTRUCTIONS

The Brock's Performance Air Cylinder Mounting Kit & Air Shifter Lever Clamp are designed to bolt on to ZX-14/R models without any frame modifications required. This setup gives the flexibility required by the air cylinder for quick and smooth shifting.

Check Package Contents:

The Package Contents Include (Fig 1):

**The two kits below are sold separately*

Air Cylinder Mounting Kit:

1. One (1) Air Cylinder Mount
2. One (1) Adapter Nut
3. One (1) Mount Bushing
4. One (1) Air Cylinder Bushing
5. One (1) Socket Head Bolt
6. Two (2) Button Head Bolts

Air Shifter Lever Clamp Kit:

7. One (1) Front Lever Clamp
8. One (1) Back Lever Clamp
9. Two (2) Set Screws
10. Four (4) Flat Head Bolts

If your package contents differ, please contact Brock's Performance at 937-912-0054.

For additional installation support please refer to the OEM service manual.

To complete the installation of an Air Shifter, the [Air Cylinder](#) and [Air Cylinder Rod Clevis](#) are available separately from Brock's Performance.

Instructions:

1. Support the bike using a wheel stand or lift.
2. While supporting the upper engine mount bolt (the bolt head must remain in the slot), remove the nut from the left side. (Fig 2)
3. Install Adapter Nut. Torque to 44 lb-ft (59 N·m). (Fig 3)
4. Install the Mount Bushing and Socket Head Bolt into the Air Cylinder Mount. (Fig 4)
5. Secure the mount assembly to the Adapter Nut. Torque to 50 lb-in (5.6 N·m). (Fig 5)

Note: Do not overtighten. The air cylinder mount assembly should spin freely.

6. Install the Front and Rear Lever clamps to the shift lever and secure using four (4) Flat Head Bolts. (Fig 6)
7. Install two (2) Set Screws into the Front Lever Clamp. Do not fully tighten.



Fig 1

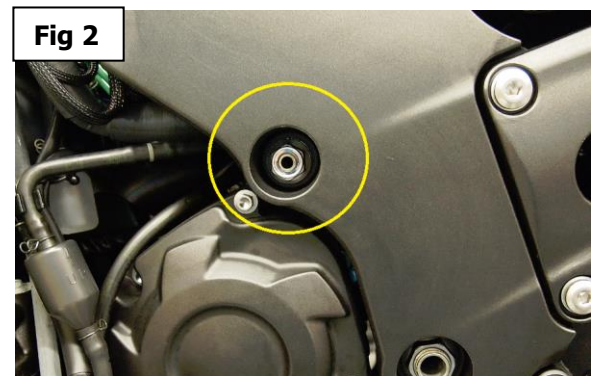


Fig 2



Fig 3

8. Install the air cylinder ([available separately](#)) by sliding the Air Cylinder Bushing through the top of the air cylinder. (Fig 7)
9. Secure the Air Cylinder Bushing with two (2) Button Head Bolts.
10. Install the air cylinder clevis end ([available separately](#)) to the air cylinder.
11. Secure the clevis end to the Lever Clamp. (Fig 8)
12. Check Final Fitment. With the engine off and rear wheel elevated, operate the shifter lever through the entire gear range.
 - a. The air cylinder should be 3/16 – 1/4 inch (4.8 - 6.3 mm) from bottoming out
 - b. **If there is a loss of travel or any binding, DO NOT operate the machine until the problem is resolved.**
13. Tighten the two (2) set screws to secure the lever clamp in place.

Fig 4



Fig 5

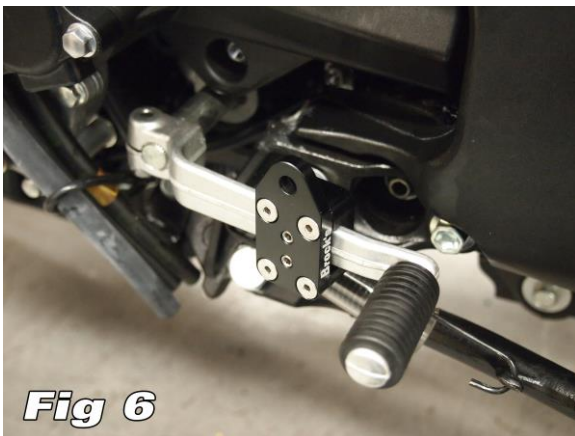


Fig 6



Fig 7

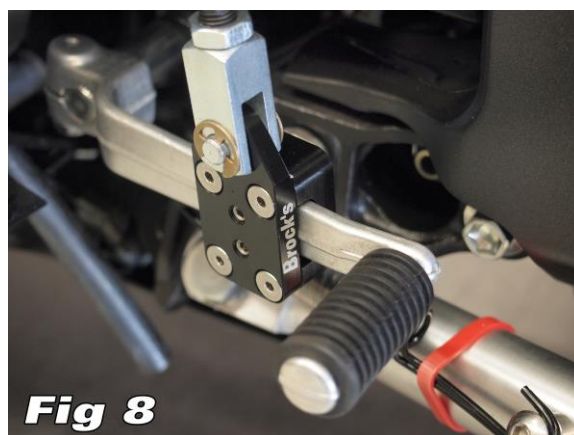


Fig 8

ALL BROCK'S PERFORMANCE PRODUCTS ARE DESIGNED FOR CLOSED-COURSE RACETRACK USE ONLY!

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BrocksPerformance.com > Brock's Support > Customer Service > Terms and Conditions

For Questions and Comments:

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