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Installation Instructions For Air Shifter Cylinder Mount

PACKAGE CONTENTS

- (1) Cylinder Mount
- (1) Pin
- (2) 8-32 Button Head Screws
- (1) M8 Socket Head Bolt
- (1) Bushing

The Brock's Performance Air Shifter Cylinder Mount (ASCM) is a universal fit for mounting the fixed end of an air cylinder to most motorcycles. Drilling and tapping a M8-1.25 hole will be required to install.

Determine proper placement for the cylinder on your bike. Not all bikes have locations which will allow this mount to be used; additional brackets and/or spacers may be required. For frame mounting, consult the OEM service manual for additional information. Use industry standard practices to determine proper shift lever travel. We recommend 3/16 – 1/4 inch away from bottoming out the shift cylinder throughout the entire gear range (up and down). With the engine off and the rear wheel elevated, rock the rear wheel back and forth with your right hand while manually operating the shifter with your left to verify.

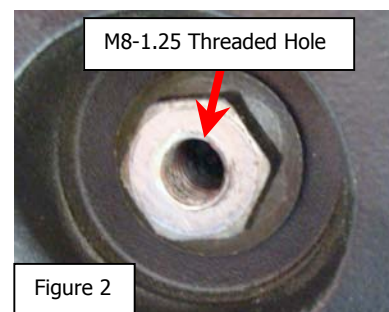
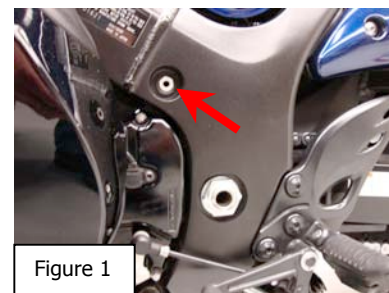
Many bikes have hollow engine mount bolts, which can be tapped to accept the ASCM. Shown in Figure 1-2 is a Gen 2 Hayabusa, with the engine mount bolt tapped to accept M8-1.25 threads.

Insert the bushing onto the bolt and slide into the ASCM. Apply a drop of red Loctite to secure the bolt. See figure 3.

Install the bracket onto the bike and tighten to 50 in-lb (4.2 ft-lb). **DO NOT OVERTIGHTEN**. The mount will spin freely when installed properly.

Install the cylinder, slide the pin into the bracket, tighten the (2) button head screws, and secure using a light removable thread locker. See figure 4.

Perform a final verification of the proper shift lever travel. If there is a loss of travel or bind, investigate the problem – **DO NOT OPERATE** the machine until resolved.



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