

Street Magic M109 Down and Under Rear Caliper Installation

Instructions

For Color Instructions See: <http://www.customdynamics.com/instructions.html>

- 1) Safely lift the rear of the motorcycle off of the ground.
- 2) Remove the rear caliper and rear brake hose.
- 3) Remove the rear wheel axle and rear wheel from the bike. You will need a 19mm Allen wrench to remove the axle from the bike.
- 4) Remove the existing rear caliper bracket. (see Fig 1)
- 5) Carefully enlarge the slot on the right side (exhaust side) of the swing arm to fit the pin that is on the new rear caliper bracket. Make sure there is enough clearance for the pin to move freely front to rear. (see Fig 2).
- 6) If the bike is equipped with an aftermarket exhaust system that does not use the factory muffler bracket go to step 7. If the stock exhaust is used, you must cut the muffler brace as shown for caliper clearance. Remove the rear most nut and bolt holding on the lower muffler and cut the bracket approx 5 ¾" in from the rear of the bracket (see Fig 3 & 4). For a cleaner look, trim the bracket on the lower muffler to match the exhaust bracket (see Fig 5).
- 7) Reinstall the rear axle, rear wheel, spacer and the new caliper bracket. Make sure that the guide pin on the new caliper bracket is in the slot modified in step 5 and that it moves easily with the bracket facing down (see Fig 6 & 7). Torque the rear axle to 72.5lb ft as per manufacturer's specifications.
- 8) Re-install the rear caliper onto the new bracket. Apply loctite to the two stock bolts and torque to 28lb ft as per manufacturers specifications.
- 9) Install new rear brake hose using the factory clamps and routing.
- 10) Bleed out the new rear caliper brake hose per manufactures specifications.
- 11) Test ride bike then enjoy your new look (Fig 8)!!!



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8