

# ENDO'S<sup>TM</sup>

## SPARK ARRESTORS

Thank you for purchasing the Pro Moto Billet Spark Arrestor end cap. We're sure you will be pleased with your purchase. Follow these instructions for a quick and easy installation:

### Spark Arrestor Instructions (PMB-01-1106)

**Parts List:** (1) end cap base, (1) nozzle, (5) M6 bolts, (10) rivets, (1) screen

**NOTE:** If you do not have the following tools, have your dealer install the end cap for you.

Tools that you will need during the installation:

Drill	Hammer	3/16" drill bit	Hi-temp Silicone sealant	Pliers
Rivet gun	Flat screwdriver	Center punch	Heat Gun or torch	Hack saw

**You will not be able to re-use the stock end cap after installing this product!**

Read the instructions carefully before starting this installation. If you are not comfortable performing the work involved, have your dealer install the end cap for you.

1. Remove exhaust pipe from the bike and clamp the mounting tab securely in a vise. Place something between the vise jaws and the mount to prevent any marring of the aluminum mount.
2. Using a 3/16" drill bit, drill out the rivets that hold the stock end cap in place; make sure to remove the head of the rivet.
3. Use a center punch and a hammer to push the remainder of each rivet through the hole and out of the stock end cap.
4. Use a heat gun and a box knife or scraper to loosen the epoxy seal around the aluminum end cap and the silencer canister as shown in **figure 1a and 1b**.



Figure 1a



Figure 1b

5. Drill a hole through the side of the stock endcap to provide a place to grip or drive the endcap off (**Figure 2**). Because you will not be re-using the stock endcap, drilling or bending it will not effect the finished installation. Be careful not to bend the canister. Using the heat gun, heat the muffler canister where it is joined to the stock endcap. This will loosen the factory sealant.

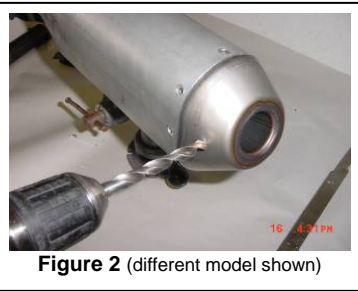


Figure 2 (different model shown)

6. Carefully slide the end cap off the muffler canister. (If the perforated inner core slides out with the end cap, proceed to **step 7**, otherwise skip to **step 8**).
7. Using the heat gun and pliers, separate the aluminum portion of the end cap from the steel brace as shown in **figure 3a**. Proceed to **step 9**.
8. Pull the steel inner core from the muffler canister while heating the joint to loosen the factory sealant (**Figure 3b**).



Figure 3a

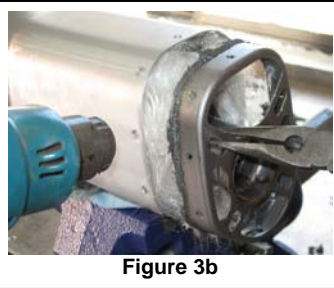


Figure 3b

9. Remove all pieces of the old rivets from the packing material inside of the muffler canister. You will re-use the packing, so keep it in its bag and use masking tape to cover any tears or loose packing. Take care to not damage or deform the mesh sleeve in the middle.

Questions?

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10. Attach the stock inner core to the new endcap as shown in **Figure 4**

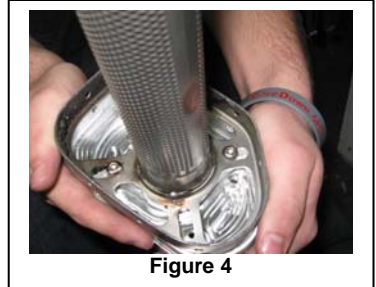


Figure 4

11. For clearance, remove 1/4" off the end of the perforated steel tube using the hacksaw as in **figure 5**

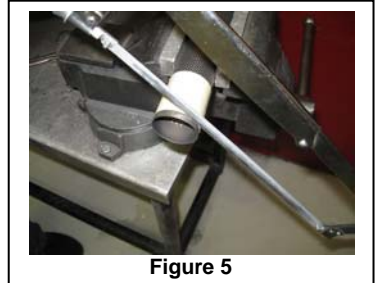


Figure 5

12. Install the perforated core down the mesh sleeve, taking care to align it with circular opening you will feel at the other end of the muffler canister.
13. Apply some high temperature silicone sealant to the outer stepped portion of the end cap before the final fit.
14. Install the new end cap receiver; make sure that the receiver is pushed up tight to the muffler as shown in **figure 6**

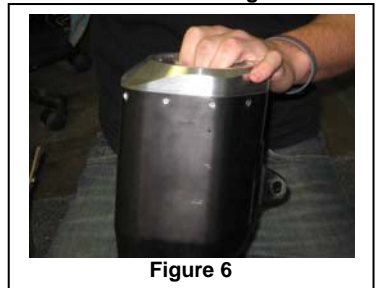


Figure 6

15. Clean up excess silicone sealant.
16. Install one rivet at a time by drilling a 3/16" hole at each rivet hole location. Each time you drill a new hole and install a rivet, make sure that the end cap is pushed up tight to the muffler.
17. Insert the spark arrestor screen and install the turndown nozzle with three M6 bolts.

### CAUTION:

You must check the condition of the spark arrestor often! Your spark arrestor will not function properly if there are holes in the screen!