

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

## SPARK ARRESTORS

Thank you for purchasing the Pro Moto Billet Spark Arrestor end caps. We are sure that you will be pleased with your purchase. If you have any questions during the installation of your end caps, please feel free to give us a call.



## Endos Spark Arrestor Installation Instructions 2006-2007 Honda CRF250R (Dual exhaust)

**NOTE:** These instructions are intended for installation using 3/16" rivets. As an option, you can also drill and tap the holes to allow installation of the end cap using bolts instead of rivets. (Tap and bolts not included)

**Parts List:** (1) right end cap base, (1) left end cap base, (2) nozzles, (2) M5x1x 14mm bolts, (2) M5x1 x20mm long bolts, (12) rivets

**Required Tools for Installation:** (If you do not have these tools, have your dealer install the end cap for you)

|                |   |
|----------------|---|
| Drill          | 3/16" drill bit (optional M6 X 1 tap, if you are using bolts instead of rivets) |
| Rivet gun      | Center punch  |
| Hammer         | Silicone sealant  |
| Allen wrenches | (Optional heat gun and box knife)   |

### Removal of Existing End caps

1. Remove side panels and mufflers per manufacturers instructions.
2. Using a 3/16" drill bit, drill out the existing rivets holding the stock end caps in place. You do not need to drill all the way through the muffler canister, but you must make sure to drill deep enough to remove the head of the rivet.
3. Using a center punch, or similar device, and a hammer, drive the rivets through the existing end cap and into the muffler. Retain the steel support straps located under the rivets for reinstallation.
4. Pull the stock end caps out of the mufflers. The stock end caps may be difficult to remove. If you are having problems removing the stock caps, cut the existing sealant with a sharp knife and/or use a heat gun on the canister sleeve to make removal easier.

**WARNING:** Remove all pieces of the old rivets from the packing material inside of the muffler canister.

**NOTE:** You have been supplied a right hand (throttle Side) and a left hand (clutch side) end cap base. The bases **MUST** be installed on the correct side of the bike with the proper side towards the bottom of the muffler. Each end cap base is labeled on the outside near the lower bolt where the nozzle is installed. The end cap labeled RB (right bottom) will be installed on the right side (throttle side) with the label towards the bottom. The end cap labeled LB (left bottom) will be installed on the left side with the label towards the bottom.

### Installation of new Pro Moto Billet Spark Arrestor End cap

1. To begin, check to make sure you have the right base on the right side.
2. Apply a small amount of high temperature RTV silicone sealant (Permatex, Ultra Black 598B or equal) around the stepped portion of the new end cap base which will be inserted into the muffler. This will seal the end cap and prevent vibrations.
3. Insert the new end cap base into the muffler until the edge of the base meets the edge of the muffler.
4. Install steel support straps (removed with stock end caps) and one rivet at a time by drilling a 3/16" hole at each rivet hole location in the muffler. Each time you drill a hole and install a rivet make sure that the end cap is pushed up tight to the muffler.
5. Clean up excess silicone sealant.
6. Insert the spark arrestor screen and the nozzle.
7. Install M5x 1x10 mm long bolt in the top hole and install the M5x1x14mm long bolt in the bottom.
8. Repeat for other side.
9. Reinstall mufflers, side panels, and seat.
10. You must clean and inspect the spark arrestor screen often. We recommend checking it every time you clean your air filter or change your oil.

**NOTE:** Your new Pro Moto Billet end caps are coated with a colored anodized finish. Anodizing will fade by prolonged exposure to sunlight. To insure your end caps remain looking their best, do not store in direct sunlight and remove any mud or debris as soon after riding as possible.

### Questions?

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