

ENDO'STM

SPARK ARRESTORS



Manufactured by:
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 Billet aluminum Kickstands,
 Silent inserts, Cargo racks,
 Chainsaw carriers, and Sharkfin disc guards.

2007-2008 Honda CRF150R Spark Arrester End Cap

Tools that you will need during the installation:
NOTE: If you do not have these tools, have your dealer install the endcap for you.

Drill and 3/16" drill bit	Hammer
3/8" drill bit	Silicone sealant
Rivet gun	Heat Gun
Center punch	Hacksaw

Silent inserts now available!
Reduces noise by up to 4db!

NOTE: You will not be able to re-use the stock endcap after installing this product!

1. Read the instructions carefully before starting this installation. If you are not comfortable performing the work involved, have your dealer install the endcap for you.
2. 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.
3. Using a 3/16" drill bit, drill out the rivets holding the stock endcap in place, make sure to remove the head of the rivet.
4. Using a center punch or similar device and a hammer, push the remainder of the rivets through the hole and into the muffler.
5. Drill a 3/8" hole through the side of the stock endcap to provide a place to grip or drive the endcap off (**Figure #1**). Once again, you will not be able to re-use the stock endcap, so drilling or bending it will not effect the finished installation. Be careful not to bend the canister as this may interfere with the finished installation. Using the heat gun, heat the muffler canister where it is joined to the stock endcap. This will loosen the factory sealant.
6. Carefully remove the endcap and perforated inner core from the packing material.
7. Remove all pieces of the old rivets from the packing material inside of the muffler canister then carefully remove the packing material. You will re-use the material. You may want to carefully tape it together with masking tape prior to re-installation.
8. Using a hacksaw, cut the perforated inner core from the endcap (**Figure #2**). **Make this cut as close to the endcap as shown in figure.**
9. **The perforated inner core will now be separated from the steel endcap (**Figure #3**).**

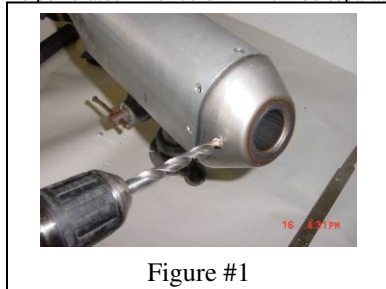


Figure #1

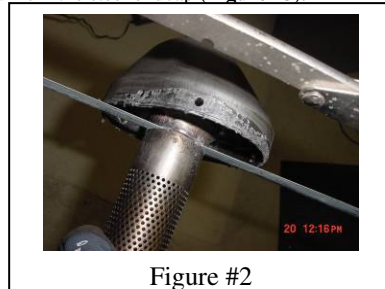


Figure #2

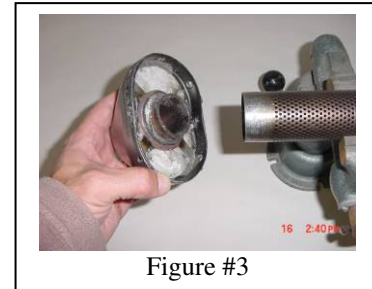


Figure #3

10. Use a file to remove any sharp edges from the cut off portion of the perforated inner core.
11. Install the tubing adapter (included) onto the end of the perforated inner core. (**Figure #4**).
12. Insert the perforated core (tubing adapter going in first) into the muffler. For proper installation, the perforated inner core must be trimmed flush with the end of the muffler canister. Make sure the inner core is properly aligned and pressed tightly into the muffler. Mark the perforated core flush with the muffler canister and trim and file as necessary until it is flush with the canister. (**Figure #5**).
13. Wrap the fiberglass packing material tightly around the perforated inner core.
14. Install the perforated core and fiberglass packing into the muffler canister.
15. Apply some high temperature silicone sealant to the outer stepped portion of the endcap, and a generous amount to the surface where the perforated inner core will be retained as shown in (**Figure #6**). You must use high temperature silicone to prevent vibrations!



Figure #4

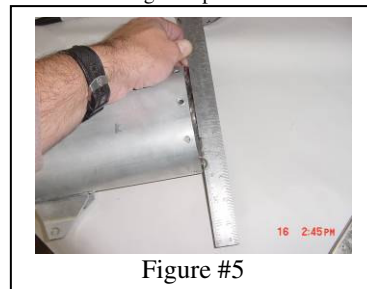


Figure #5

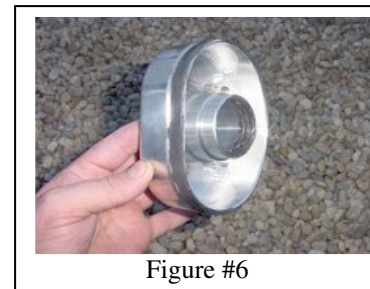


Figure #6

16. Install the new endcap receiver, make sure that the receiver is pushed up tight to the muffler.
 17. Clean up excess silicone sealant.
 18. 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 endcap is pushed up tight to the muffler.
 19. Clean up excess silicone sealant.
 20. Insert the spark arrester screen and install the turndown nozzle with three M6 X 1 bolts.
- ATTENTION:** You must check the condition of the spark arrester often! Your spark arrester will not function properly if there are holes in the screen!