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## 2004-06 Honda CBR1000RR

Slip-On Exhaust System with M-2 Exhaust Canister  
Part # 005-1120406 / 005-1120407 / 005-1120408



### Parts List

Qty.	Description	Part Number
1	M-2 Muffler Canister	Varies
1	Slip-On Tube Assembly	005-11204N
1	HARDWARE KIT	005-112-3
1	V.A.L.E.™ X-Lite Ring	005-7-2-2
1	Muffler Canister Clamp Halves (set of 2)	005-2C3
1	Barrel Clamp	005-27-64MSH
1	Stainless "L" Bracket (set of 2)	005-112B
4	6x14mm Socket Head Cap Screw	005-SH614
4	8mm Nylon Lock Nut	005-NN8
2	8x20mm Socket Head Cap Screw	005-SH820
2	8x35mm Flange Bolt	005-FB835
4	M6 Split Lock Washer	005-WL6
1	5mm Long Handle Ball End Hex Key	005-9-18610

### IMPORTANT - PLEASE READ CAREFULLY

**We recommend that this performance part be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this performance part, please consult with your local motorcycle dealer. Read all instructions first before starting installation. Make sure the motorcycle and exhaust system are completely cool before starting the installation. Also, make sure the bike is secure on a centerstand or ideally a service lift during installation. Be sure to save all stock components for possible use later.**

### Installation Instructions

1. Make sure the bike is completely cool before starting the installation. Make sure the bike is secure on a centerstand or ideally a service lift.
2. Remove the seat and seat cowl.
3. Loosen the screws of the right side passenger footpeg mount this will make it easy to access the exhaust mounting bolts.
4. Remove the right side rider rear set bolts only and plastic shield. Just let the peg and rear set hang gently this will allow access to the stock connector tube clamp at the header.
5. Remove the cables coming from the power valve. Disconnect them from the pipe on the right side of the bike and remove them from the servo located on the left side of the bike.
6. Remove the rear fender.
7. Loosen the clamp screw at the header (by the rider footpeg) and remove all screws that hold the stock muffler assembly on.
8. Remove stock muffler assembly, do not worry about any gaskets you will not have to re-use them.
9. Install the "L" brackets (left and right) underneath the fender using the supplied 8mm x 35mm flanged hex bolts, nylon lock nuts and stock washers in the same bolt location of the stock muffler mounting bolts. Be sure to use loctite on these brackets and torque bolts to 15-18 ft. lbs.



10. Loosely attach the V.A.L.E.™ muffler to the stainless steel V.A.L.E.™ connector tube. Use the 6x14 socket head cap screws and 6mm split lock washers provided. Leave loose for now.



11. Loosely slide the barrel clamp over the stock header pipe.



12. Insert the V.A.L.E.™ assembly in from the rear fender of the bike. Carefully rotate the pipe into position and slide it over the header and inside the barrel clamp.



13. Install the top clamp half first (note orientation of clamp half see photo). After the top clamp has been positioned in place with the ears of the clamp under the "L" bracket, install the bottom half of the bracket. Loosely install the supplied 8mm x 20mm screws.



14. Line the muffler up and center it inside the rear fender. NOTE: the muffler is designed to angle slightly to the left.
15. Once the muffler is aligned tighten the 4 6mm x 16mm V.A.L.E.™ screws with the supplied ball end hex key.
16. Tighten the muffler clamps halves
17. Tighten the barrel clamp.
18. Check your work and clean all fingerprints
19. Re-install the stock fender, seat cowl, seat, passenger peg mount, rear set, plastic heat shield, and anything else that you may have loosened or removed during installation.
20. Make sure everything is aligned and tighten all hardware.

21. Before you run the bike, clean off all fingerprints and dirt, as any oily residue will etch the metal and become somewhat permanent when the system gets hot. Run the bike and enjoy. It is normal for some white smoke to appear the first time you start the bike. This is packing/manufacturing oil from inside the pipe burning off. Check for gaps or leaks. If you find a leak, a little high temperature silicon sealant should fix it. After 50 to 100 miles, recheck all fasteners for tightness.



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**Care & Cleaning / Warranty**

**Care & Cleaning**

Keep system free of dirt and moisture. Store in a cool, dry place. For cleaning use a mild spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

**Stainless Header System:** Polished stainless steel pipes will turn a light golden hue after a few heat cycles, this is a normal characteristic of high quality stainless steel.

**Carbon Fiber Mufflers:** Always make sure the fiberglass packing inside is in good condition and not burned out, as exhaust heat inside an empty canister will deteriorate the Carbon Fiber sleeve. TBR sells repack kits (TBR part # 005-10038) that include new rivets and repack material as well as a drill bit (#30), making it easy to do yourself. Also, NEVER dyno test your bike with carbon fiber mufflers installed - the intense heat and lack of cooling air can quickly cause the CF material to burn. Two Brothers Racing does not provide a warranty for burned carbon fiber.

**Aluminum Mufflers:** Use an aluminum or mag wheel polish such as Mother's to restore the bright finish to factory spec.

Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential and incidental damages or any other losses arising from the use of these products or parts.

005-1120406

005-1120407

005-1120408



Qty.	Description	Part Number
1	M-2 Aluminum Muffler Canister	005-112-206
1	Slip-On Tube Assembly	005-11204N
1	HARDWARE KIT	005-112-3
1	V.A.L.E.™ X-Lite Ring	005-7-2-2
1	Muffler Canister Clamp Halves (set of 2)	005-2C3
1	Barrel Clamp	005-27-64MSH
1	Stainless "L" Bracket (set of 2)	005-112B
4	6x14mm Socket Head Cap Screw	005-SH614
4	8mm Nylon Lock Nut	005-NN8
2	8x20mm Socket Head Cap Screw	005-SH820
2	8x35mm Flange Bolt	005-FB835
4	M6 Split Lock Washer	005-WL6
1	5mm Long Handle Ball End Hex Key	005-9-18610



Qty.	Description	Part Number
1	M-2 Carbon Fiber Muffler Canister	005-112-207
1	Slip-On Tube Assembly	005-11204N
1	HARDWARE KIT	005-112-3
1	V.A.L.E.™ X-Lite Ring	005-7-2-2
1	Muffler Canister Clamp Halves (set of 2)	005-2C3
1	Barrel Clamp	005-27-64MSH
1	Stainless "L" Bracket (set of 2)	005-112B
4	6x14mm Socket Head Cap Screw	005-SH614
4	8mm Nylon Lock Nut	005-NN8
2	8x20mm Socket Head Cap Screw	005-SH820
2	8x35mm Flange Bolt	005-FB835
4	M6 Split Lock Washer	005-WL6
1	5mm Long Handle Ball End Hex Key	005-9-18610



Qty.	Description	Part Number
1	M-2 Titanium Muffler Canister	005-112-208
1	Slip-On Tube Assembly	005-11204N
1	HARDWARE KIT	005-112-3
1	V.A.L.E.™ X-Lite Ring	005-7-2-2
1	Muffler Canister Clamp Halves (set of 2)	005-2C3
1	Barrel Clamp	005-27-64MSH
1	Stainless "L" Bracket (set of 2)	005-112B
4	6x14mm Socket Head Cap Screw	005-SH614
4	8mm Nylon Lock Nut	005-NN8
2	8x20mm Socket Head Cap Screw	005-SH820
2	8x35mm Flange Bolt	005-FB835
4	M6 Split Lock Washer	005-WL6
1	5mm Long Handle Ball End Hex Key	005-9-18610