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## BMW R1100S Dual Slip-On Exhaust System



C4 Canisters

### Parts List

QTY.	DESCRIPTION	PART NUMBER
1	C4 ROUND MUFFLER (10", LEFT SIDE)	VARIES
1	C4 ROUND MUFFLER (10", RIGHT SIDE)	VARIES
2	MUFFLER CLAMPS	VARIES
1	SLIP-ON "Y" CONNECTOR	005-8504N
1	MUFFLER HANGER BRACKET	005-8504M
1	32MM X 15MM SPACER	005-S-32
1	LICENSE PLATE HOLDER	005-8504L
1	LITZ N' BOLTS	005-8504LT
1	8MM X 50MM SOCKET HEAD CAP SCREW	N/A
2	HITCH PINS	N/A
4	75MM SPRINGS	005-S75
1	HI-TEMP SEALANT	031-P22072
2	TWO BROTHERS RACING STICKERS	015-10197



005-8504 (C2-C4 Kit)

### IMPORTANT - PLEASE READ CAREFULLY

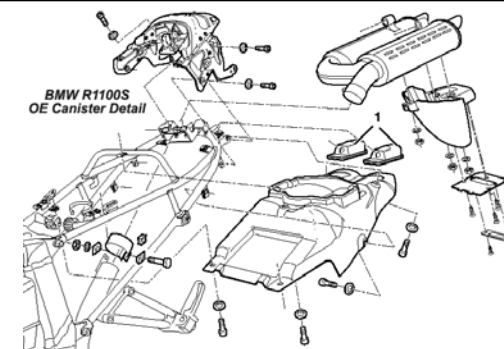
We recommend that this performance exhaust system be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this exhaust system, please consult with your local motorcycle dealer. Read all instructions first before starting installation. Make sure the motorcycle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

### Installation Instructions

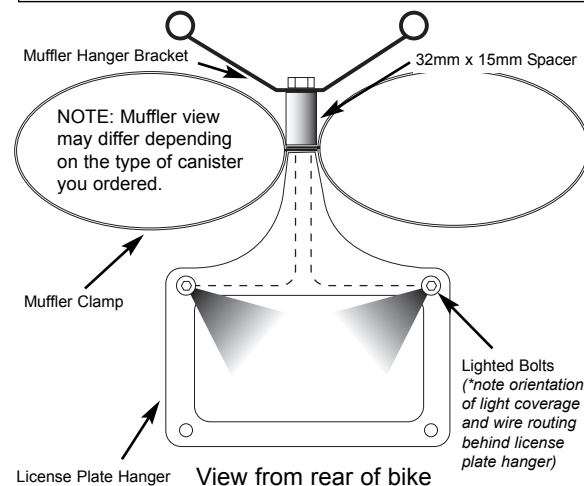
1. Make sure the bike is completely cool before starting the installation. Make sure the bike is secure on the sidestand or ideally a rear service stand.
2. Remove the seat, rear side panels and number plate.
3. Remove the stock canister assembly. **Do not remove the header pipes or catalytic converter.**
4. Install the slip-on connector onto the stock collector reusing the BMW clamp. **Leave loose for now.**
5. Install the canister hanger bracket onto the two horizontal posts that supported the stock mufflers (ref. illustration). It may be necessary to lightly tap the bracket into place with a hammer. Make sure the hanger bracket is **fully engaged** onto the posts and that there is at least 1/4" of post extending past the new hanger bracket. Drill one 2.5mm hole through each post and install the supplied stainless steel hitch pin clips. These clips will prevent the mufflers from sliding back on the hanger posts.
6. Place a bead of the hi-temp sealant on the outside edge of the slip-on connector that go into the canisters. Slide the canisters onto the end of the s-bend connector. Wipe off the excess sealant that will squeeze out. Rotate the canisters to the proper orientation and install the springs.
7. Assemble the canister clamps and hardware (ref. illustration). **Leave loose for now.**
8. Install the slip-on connector/canister assembly onto the collector. Attach the slip-on connector/canister assembly to the hanger bracket using the 8mm x 50mm bolt. Carefully align all pipes, canisters and hardware. When everything is in place, tighten all hardware and clamps. Don't forget to tighten the front head pipe nuts, crossover pipe clamp and O<sup>2</sup> sensor. Connector the license plate hanger lights to the wiring harness.
9. 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.

### OE Exhaust Detail



### License Plate Hanger Detail



### 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 & X-Metal Mufflers:** X-Metal CF canisters will shift color from their original silver color to an amber color after a few heat cycles, similar to the way our stainless steel headers shift color. 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 / X-Metal CF 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.

**Warranty**  
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.