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BMW R1100S Catalytic Eli. 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	CATALYTIC ELIMINATOR TUBE	005-8501N
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
2	8MM X 30MM FLANGE BOLTS	N/A
2	8MM FLANGE NUTS	N/A
2	8MM NYLOCK NUTS	N/A
3	8MM WASHERS	
1	8MM X 50MM SOCKET HEAD CAP SCREW	N/A
2	HITCH PINS	N/A
4	75MM SPRINGS	005-S75
1	ANTI SEIZE	031-P09175
1	HI-TEMP SEALANT	031-P22072
2	TWO BROTHERS RACING STICKERS	015-10197



IMPORTANT - PLEASE READ CAREFULLY

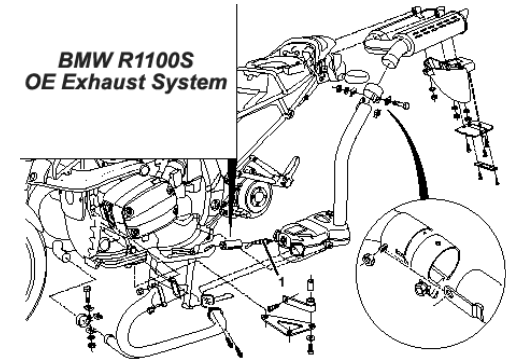
We recommend that this performance exhaust system be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this exhaust system, please consult with your local motorcycle dealer. Read all instructions first before starting installation. Make sure the motorcycle 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, catalytic converter and O² sensor. Loosen the header pipes and crossover pipe, **do not remove the header pipes.**
4. Be sure to coat the threads of the O² sensor with the included packet of hi-temp anti-seize. Install the O² sensor into the collector.
5. Install the collector using the stock hardware. **Leave loose for now.**
6. Install the slip-on connector onto the collector reusing the BMW clamp. **Leave loose for now.**
7. 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.
8. 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.
9. Assemble the canister clamps and hardware (ref. illustration). **Leave loose for now.**
10. 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 O² sensor. Connector the license plate lights to the wiring harness.
11. **Be sure to allow the sealant to dry per the manufacturer's instructions before starting the bike.** 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/manufac-

turing 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



Centerstand Support Detail



The kit comes with two (2) 8mm x 30mm bolts that are to be used as new centerstand stops as the old one went away with the catalytic converter. Drill two (one on each side) 8mm holes in the lower flat portion of the catalytic converter support castings on the frame.

Install one bolt with the head facing down (ref. photo) along with one jam nut and lock nut. These bolts become the new centerstand stops. Adjust the depth of the bolts as needed to properly support the centerstand.

License Plate Hanger Detail

