Brock's Performance • 4064 E. Patterson Road • Dayton, OH 45430 • Phone: 937-912-0054 • Fax: 937-912-0062

BMW S1000RR (20-26) FULL EXHAUST SYSTEM INSTRUCTIONS

The Brock's Performance full exhaust system for the BMW S1000RR is a 4-2-1 high-performance full exhaust system that replaces the OEM muffler, catalytic converter, and head pipes.

Check Package Contents:

The Package Contents Include:

1. One (1) Penta-Carbon or AH2 Muffler
2. One (1) Left Head Pipe
3. One (1) Right Head Pipe
4. One (1) Collector
5. Four (4) Mounting Flanges
6. One (1) Permatex Ultra Copper
7. One (1) Package Containing Hardware
8. One (1) Package Containing Instructions

If your package contents differ, please contact Brock's Performance at 937-912-0054.

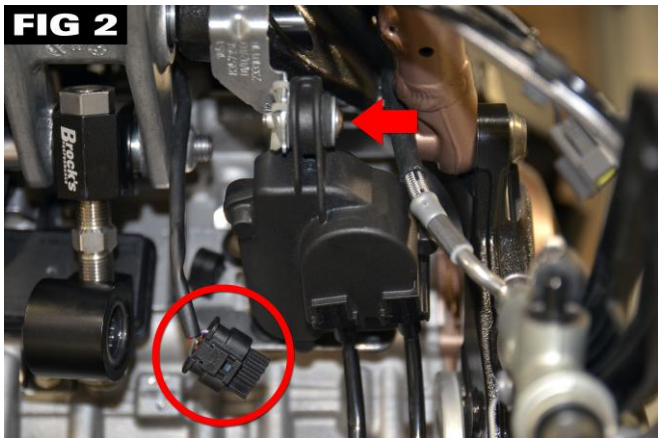
For additional installation support please refer to the OEM service manual.

Removal Instructions:

1. Support bike using rear stand or lift.
2. Remove left and right side fairings.
3. Remove seat.
4. Remove upper, left, and right fuel tank trim panels.
5. Remove fuel tank.
6. Loosen muffler clamp.
7. Remove muffler mounting bolt and remove muffler.
8. Disconnect front left and front right oxygen sensor connectors.
9. Disconnect rear left and rear right oxygen sensor connectors.
10. Release all retaining clips for O2 sensor wires and unroute to allow wires to spin freely during O2 sensor removal (O2 sensors will be removed in step 23 during exhaust installation).
11. Disconnect cables from exhaust-flow control valve (Figure 1).
12. Disconnect and remove servo motor and cables (Figure 2).
13. Remove radiator/oil cooler bracket.

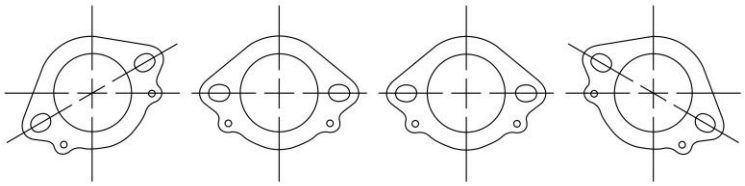
    Note: Place cardboard around radiator and oil cooler to prevent damage to aluminum fins during exhaust removal/installation.

14. Remove two (2) bolts securing oil cooler to radiator.
15. Remove eight (8) head pipe nuts.
16. Support OEM front section and remove bolt securing to frame.
17. Carefully remove OEM front section from bike.



Installation Instructions:

FIG 3



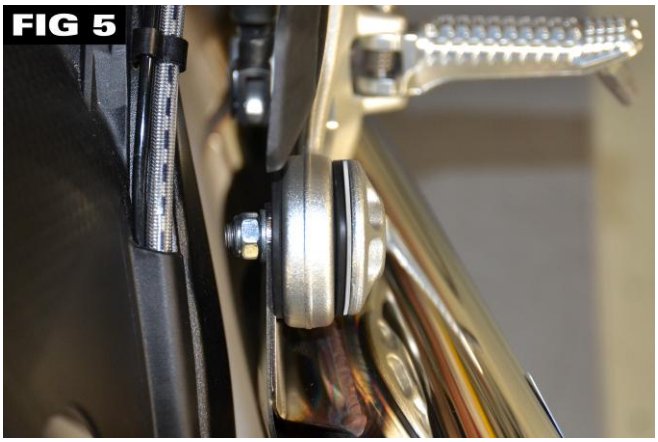
Note: *Before installing the performance exhaust system, preassemble all components to check fitment. A slight ovaling of the exhaust tubing can occur during production; this is normal. Apply WD-40® to the pipe joints to ease assembly, adjustment, and disassembly.*

18. Inspect the OEM exhaust gaskets for any damage. Replace as needed.
19. Remove mounting flanges from head pipes. Install flanges to engine hand tight using nuts from step 15. Orient flanges as shown in (Figure 3).
20. Apply a thin layer of Permatex Ultra Copper inside each head pipe up to ½" (12.5 mm) deep.
21. Install left and right head pipes, collector, and muffler.
22. Install the supplied fender washer in front of the rubber muffler mounting grommet as shown in (Figure 4).
23. Secure muffler using muffler mounting bolt (removed in step 7) and supplied nut and washer hand tight as shown in (Figure 5).
24. Remove oxygen sensors from OEM front section and install into their corresponding locations (front right, front left, rear right, rear left).

FIG 4

Note: OEM oxygen sensor must be reinstalled in Brock's Performance exhaust.

FIG 5



25. Reroute OEM oxygen sensor wires back to their original locations and reconnect.
26. Install one (1) spring to each head pipe to secure to mounting flanges (4 total).
27. Install two (2) springs to secure collector to head pipes.
28. Install one (1) spring to secure muffler to collector.
29. Wiggle entire system to ensure pipes are fully seated.
30. Torque eight (8) head pipe nuts to 10 lb-ft (14 N·m).
31. Torque muffler mounting bolt to 14 lb-ft (19 N·m).
32. Using supplied cap, block off the PAIR system following the supplemental instructions.
33. Wipe down entire exhaust system with rubbing alcohol.
34. Reinstall body panels, seat, and fuel tank removed in steps 2 through 5.

Warranty Info: The PAIR system must be blocked off in order to prevent premature exhaust failure. Please refer to the PAIR Block Off Cap instructions. They can be found at blog.brocksperformance.com/instructions

DO NOT START BIKE UNTIL A MINIMUM OF A ¼-INCH (6 MM) CLEARANCE IS OBSERVED BETWEEN THE EXHAUST COMPONENTS AND ALL BODYWORK/PARTS.

- Failure to ensure proper clearance may result in burned plastic. Brock's Performance exhaust systems are designed to provide appropriate clearances. If minimum clearances are not obtained, remove the springs on the exhaust system and adjust until proper clearance is achieved.
- It is recommended that the entire exhaust system is wiped down with **rubbing alcohol** to remove oil and fingerprints before starting the bike. This will help prevent tarnishing of the finish after the bike has been started and the exhaust has heated up.
- **Fender eliminator kits are recommended on some models; see BrocksPerformance.com for more details.**

ALL BROCK'S PERFORMANCE PRODUCTS ARE DESIGNED FOR CLOSED-COURSE RACETRACK USE ONLY!

For more information on Brock's Performance Warranty and Terms and Conditions:
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For Questions and Comments:
BrocksPerformance.com > Brock's Support > Customer Service > Contact us or call 937-912-0054