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Installation Instructions for BMW S1000RR/R/M1000R (2020-2026) Full System

To install the 2020-2026 BMW S1000RR/R/M1000R FULL SYSTEM proceed with the following directions:

Caution: Do not install exhaust while engine is running, and/or is hot to the touch. Thoroughly read and review all steps of installation instructions to ensure proper installation. If you have any questions about installation, please contact us at 905-985-6111 and we would be happy to help.

*MUFFLER/MEGAPHONE WITH BRACKET
STOCK SUBFRAME*



*MUFFLER/MEGAPHONE WITH BRACKET
ALPHA SUBFRAME*



Step 1: Begin to remove stock exhaust, as per owner's manual. The next few steps are VERY important and include removing or re-using certain parts of the stock OEM system with the installation of the Hindle Full System.

Step 2: Remove the black plastic cover from the OEM Exhaust valve located on the catalytic converter assembly to expose the valve pulley and cable mechanism. *See Image 1.*



Image 1

Step 3: With the valve cover removed, locate the two exhaust valve cables attached to the valve pulley. *See Image 2.*



Image 2

Step 4: Rotate the valve pulley by hand to relieve cable tension and remove the first cable from the pulley. Remove the second cable end from the valve pulley and free both cables from the cable guide bracket. *See Image 3.*



Image 3

Step 5: Locate the OEM exhaust servo motor mounted on the right side of the motorcycle, behind the rider footpeg bracket. Remove the fasteners securing the exhaust valve servo motor to the mounting bracket in *Image 4*. Remove the servo motor cover and disengage both exhaust valve cables from the servo pulley. See cable routing and attachment points before removal in *Image 5*.



Image 4



Image 5

Step 6: Remove both OEM Exhaust valve cables completely. *See Image 6.* Servo motor should now have no cables attached to it. *See Image 7.*

Step 7: Plug servo back into harness as shown. Leave servo motor plugged into motorcycle harness. *See Images 8 and 9.* Re-install servo motor back onto frame bracket. *See Image 10.*



Image 6



Image 7



Image 8



Image 9



Image 10

Step 8: Locate the OEM front oxygen sensor mounted in the OEM exhaust collector beneath the engine near the oil filter and unplug. Locate the OEM rear oxygen sensors (x2) mounted in the catalytic converter assembly and unplug. Retain the sensors for re-installation into the Hindle Exhaust System.

See Images 11 and 12.

Step 9: Now that the OEM exhaust valve cables, servo motor and oxygen sensor cables have all been removed, proceed with complete removal of the stock exhaust system following the steps in the owner's manual.

Step 10: Remove stock gaskets. Our flanges should fit very snug and not require the stock gaskets in most cases. If re-using the stock gaskets, inspect for damage and replace as needed. Install flanges and springs onto cylinder head. Tighten flange nuts hand tight. Do not overtighten. *See Image 13.*

Step 11: Install front primaries/headers onto flanges with springs. *See Image 14.*



Image 11



Image 12



Image 13



Image 14

Step 12: Install “Y Collector” onto front primaries/headers. Line up spring tabs on “Y Collector” to front primaries and install springs. Locate x2 oxygen sensor bungs (o2 bungs) on right hand side of collector. Remove o2 sensor plugs on o2 bungs.

Re-install x2 stock o2 sensors if using. *See Images 15 and 16.*



Image 15

Step 13: Locate x2 o2 bungs on left hand side of Collector. Remove o2 sensor plugs on o2 bungs. Re-install stock o2 sensors if using. A 5th o2 bung is available which is typically plugged for tuning. *See Image 17.*



Image 16



Image 17

Step 14: RACE BRACKET INSTALLATION TO ELIMINATE PASSENGER FOOTPEG: remove the stock passenger footpeg mount. The supplied Hindle triangular mounting bracket will replace the stock passenger footpeg mount. Install the mounting bracket using the x2 8x20mm bolts, x2 8mm washers and x2 8mm nuts. *See Images 18 and 20.*

Step 15: EVOLUTION MUFFLER INSTALLATION - *If using the stainless muffler strap*, remove protective film on muffler strap. Install protective rubber band inside of the muffler strap making sure that the strap is inside of the outer edge of the rubber. Place the muffler strap around the muffler, pinching the tops of the muffler strap together at the right location on the muffler to reach the mounting point on the race bracket. Attach the muffler strap to the the front of the supplied Hindle mounting bracket using the supplied 8x20mm bolt, 2x 8mm washers and 1x 8mm nut. ***Optional - Carbon Fiber Muffler Strap as shown does not use protective rubber. Carbon muffler strap uses rubber washer (included in kit/hardware bag) between the pinched tops of the strap for all muffler finishes, except Titanium.** *See Images 18 and 20.* Check for proper muffler clearance. *See Image 21.*

Step 16: EVOLUTION MEGAPHONE INSTALLATION - Follow Step 14 to install the race bracket. The megaphone bracket mounts to the mounting point on the triangular race bracket, using the supplied 8x20mm bolt, 2x 8mm washers and 1x 8mm nut. *See Image 20.* Check for proper muffler clearance. *See Image 21.*



Image 18



Image 19



Image 20



Image 21

Step 17: BRACKET INSTALLATION TO RETAIN THE PASSENGER FOOTPEG: remove the stock passenger footpeg mount. The supplied Hindle triangular mounting bracket will be installed under the stock passenger footpeg mount using the bracket, 1.75" spacers (x2), 8x70mm bolts (x2) with 8mm washers (x2) provided. See Images 22, 23 and 24.

Step 18: Refer back to Steps 15 and 16 for EVOLUTION MUFFLER INSTALLATION and EVOLUTION MEGAPHONE INSTALLATION. See Image 25



Image 22



Image 23



Image 24



Image 25

MUFFLER INSTALLED WITH RACE BRACKET



MEGAPHONE INSTALLED WITH FOOTPEG BRACKET



Step 19: **VERY IMPORTANT** A break-in procedure must be performed for new Hindle mufflers. Once installed, Hindle muffler must be warmed up by running the engine at idle for 15 minutes. Hindle muffler should then be left to cool down for 15 minutes. This process will help prolong the life of your Hindle muffler by helping set the internal muffler packing before first use. **Please note: Hindle mufflers require general maintenance: repacking of the muffler should be done, when required. Repacking will help protect the muffler's outer shell, as well as noise and exhaust emissions.**

Enjoy the quality and performance of your HINDLE!



WARNING

Exhaust system(s) and muffler(s) may be hot when engine is/has been running. Take preventative measures with the handling of any Hindle system or Hindle muffler. Allow the engine to cool before installing or removing the exhaust system and/or muffler. Severe burns, bodily injury and/or death may occur.



WARNING

Keep flammable materials away from exhaust at all times.



WARNING

Exhaust gas contains poisonous carbon monoxide that can rapidly accumulate in an enclosed or poorly ventilated area. If inhaled, it may cause serious injury or death. Start and run the motorcycle in a well-ventilated area.

WARNING: USA CUSTOMERS:

Certain states in the USA have individual laws regulating the use of aftermarket exhaust parts and systems, especially as those parts and systems modify, remove, or replace original equipment catalytic converters. Please become familiar with the appropriate laws in your area before installing any aftermarket part or system on your vehicle. to ensure compliance with all applicable laws. Hindle Products Ltd, Woodcraft Technologies Inc and any of their representatives, subsidiaries or the sellers of these parts or systems make any representation that any of their parts or systems comply with any of these laws for street use.

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