

Instruction 510-0896

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Installation Instructions: S&S® Grand National® Slip-On Muffler for Honda® Grom (550-1072)

DISCLAIMER:

Qualified manufacturer declared U.S. 50-State legal emissions replacement part on all 2022 Honda® Grom Models

SAFE INSTALLATION AND OPERATION RULES:

Before installing your new S&S part it is your responsibility to read and follow the installation and maintenance procedures in these instructions and follow the basic rules below for your personal safety.

- Gasoline is extremely flammable and explosive under certain conditions and toxic when breathed. Do not smoke. Perform installation in a well ventilated area away from open flames or sparks.
- If motorcycle has been running, wait until engine and exhaust pipes have cooled down to avoid getting burned before performing any installation steps.
- Before performing any installation steps disconnect battery to eliminate potential sparks and inadvertent engagement of starter while working on electrical components.
- Read instructions thoroughly and carefully so all procedures are completely understood before performing any installation steps. Contact S&S with any questions you may have if any steps are unclear or any abnormalities occur during installation or operation of motorcycle with a S&S part on it.
- Consult an appropriate service manual for your motorcycle for correct disassembly and reassembly procedures for any parts that need to be removed to facilitate installation.
- Use good judgment when performing installation and operating motorcycle. Good judgment begins with a clear head. Don't let alcohol, drugs or fatigue impair your judgment. Start installation when you are fresh.
- Be sure all federal, state and local laws are obeyed with the installation.
- For optimum performance and safety and to minimize potential damage to carb or other components, use all mounting hardware that is provided and follow all installation instructions.
- Motorcycle exhaust fumes are toxic and poisonous and must not be breathed. Run motorcycle in a well ventilated area where fumes can dissipate.

IMPORTANT NOTICE:

Statements in this instruction sheet preceded by the following words are of special significance.



WARNING

Means there is the possibility of injury to yourself or others.



CAUTION

Means there is the possibility of damage to the part or motorcycle.

NOTE

Other information of particular importance has been placed in italic type.

S&S recommends you take special notice of these items.

WARRANTY:

All S&S parts are guaranteed to the original purchaser to be free of manufacturing defects in materials and workmanship for a period of twelve (12) months from the date of purchase. Merchandise that fails to conform to these conditions will be repaired or replaced at S&S's option if the parts are returned to us by the purchaser within the 12 month warranty period or within 10 days thereafter.

In the event warranty service is required, the original purchaser must call or write S&S immediately with the problem. Some problems can be rectified by a telephone call and need no further course of action.

A part that is suspect of being defective must not be replaced by a Dealer without prior authorization from S&S. If it is deemed necessary for S&S to make an evaluation to determine whether the part was defective, a return authorization number must be obtained from S&S. The parts must be packaged properly so as to not cause further damage and be returned prepaid to S&S with a copy of the original invoice of purchase and a detailed letter outlining the nature of the problem, how the part was used and the circumstances at the time of failure. If after an evaluation has been made by S&S and the part was found to be defective, repair, replacement or refund will be granted.

ADDITIONAL WARRANTY PROVISIONS:

- (1) S&S shall have no obligation in the event an S&S part is modified by any other person or organization.
- (2) S&S shall have no obligation if an S&S part becomes defective in whole or in part as a result of improper installation, improper maintenance, improper use, abnormal operation, or any other misuse or mistreatment of the S&S part.
- (3) S&S shall not be liable for any consequential or incidental damages resulting from the failure of an S&S part, the breach of any warranties, the failure to deliver, delay in delivery, delivery in non-conforming condition, or for any other breach of contract or duty between S&S and a customer.

Installation Steps

1. Tools Required:

- 12mm 3/8" Drive Socket
- 3/8" Drive Ratchet
- 12mm Combination Wrench
- 1/2" Combination Wrench
- 8mm 1/4" Drive Socket
- 1/4" Drive Ratchet

2. Removal of Stock Muffler:

- a. Using 12mm socket and ratchet, remove the flange bolt from the stock muffler clamp under the bike.
- b. Using the 12mm socket and ratchet and the 12mm wrench, loosen and remove the nut from the muffler mount bolt. While supporting the muffler, remove the muffler mount screw.
- c. Remove the stock muffler from the header assembly. If needed gently rotate muffler up and down as you pull the muffler inlet off the header.
- d. Verify the muffler inlet gasket came off with the muffler and clean any remnants off of the header.

3. S&S Muffler Installation:

- a. Position nut plate under bracket on muffler shell. Position muffler mount bracket as shown in the exploded view and secure in place with the included 5/16-18 flange bolts. Leave the hardware loose allowing the bracket to be positioned during installation.
- b. Install S&S muffler clamp onto the S&S muffler in similar orientation of the stock muffler clamp. Loosely tighten just until the clamp does not rotate freely.

c. Install the muffler onto the header. Rotate the muffler into place so that the included M8 x 45mm flange screw can be inserted through the stock muffler mount location and the S&S Cycle muffler mount bracket. Loosely install the included M8 flange nut.

d. Starting with the muffler clamp use the 8mm socket and 1/4" drive ratchet to tighten to 3.25 Nm or 28 in-lb.

HELPFUL HINTS TO MAINTAIN FINISH OF EXHAUST PIPES AND MUFFLERS

- Make sure ignition timing is set correctly. Air filters must be serviced at regular intervals.
- Intake air leaks can cause engine to run lean and overheat, and thus discolor pipes.
- Make sure there are no exhaust leaks at the junction of the cylinder head and the exhaust pipe.
- Use fans to ensure that the exhaust system is not over heated when Dyno tuning.
- Avoid long periods of idling.
- Avoid the use of pressure washers, harsh chemicals or abrasive cleaners. If water gets into muffler during washing, remove moisture to prevent corrosion. Start engine to warm up exhaust system.

Replacement Parts

1. Stainless Steel Muffler Shell	551-1819
2. dB reducer	551-1817
3. Insert, Assembly, Removable, 1.625" OD x 3.25", Stainless Steel	551-1818
4. Insulation	551-1824
5. End cap	551-1533
6. Screw, BSHC, M6 x 1.0 x 8mm, Steel, Zinc	LFT-0804
7. Screw, BHC, High Temp Lock Patch, M6 x 22, Stainless Steel	500-1353
8. Bracket, Muffler, Powdercoated, Black, 2021-up Honda™ Grom	551-1822
9. Plate, Nut, 5/16-18 x 2", Clear, Zinc	551-0469
10. Screw, Flanged, 5/16-18 x 5/8", Zinc Plated	500-0984
11. Screw, Hex Head, Flanged, M8 x 1.25 x 45mm, Stainless Steel	500-1560
12. Nut, Flanged, M8, Stainless Steel	500-1355
13. Clamp, Muffler, Band Style, 1.125" Diameter, Stainless Steel	551-1825

