

Instruction 510-0564A

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## Installation Instructions: S&S Slip-on Muffler kits for 2018-'20 HD® Softail® Fat Bob® Models

### DISCLAIMER:

Qualified Manufacturer Declared U.S. 50-State Legal Emissions Replacement Part on All MY 2018–2020 Harley-Davidson® Fat Bob® Models

### 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.*

### 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 an 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.

### 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.

## Tools Required:

- 3/8" ratchet
- 3/8" drive torque wrench
- 15mm deep socket 3/8" drive
- 9/16" deep socket 3/8" drive
- 3/16" Allen socket, 3/8" drive
- 5/16" nut driver or straight screwdriver

## Stock Muffler Removal

1. Loosen muffler clamps. Loosen muffler heat shield clamps.
2. Remove the screws securing the mufflers to the mounting bracket. These screws can be discarded, new ones are provided.
3. Remove the mufflers from the head pipes.
4. Remove and discard the factory muffler clamps, new ones are provided.
5. Remove the factory shield on the muffler inlet, this shield and clamp will be re-used.

## New Muffler Installation

*NOTE - The mufflers are the same and can be used in either location, top or bottom.*

1. Install the factory muffler inlet shields, do not fully tighten the clamps at this time
2. Install the new muffler clamps onto each muffler. Note the direction of the fastener. The nut on the top muffler should point up, the nut on the bottom muffler should point down.

3. Install each muffler onto the head pipe.
4. Locate the provided screws and fasten the mufflers to the factory bracket. Tighten 120 in-lbs.
5. Tighten the exhaust clamps 40 ft-lbs.
6. Align the muffler inlet shields and tighten the clamps.
7. Thoroughly clean the mufflers with a non-abrasive cleaner before starting the engine.
8. After the first ride, allow bike to cool down, and re-check fastener torque.

*Note: Avoid the use of pressure washers, harsh chemicals or abrasive cleaners. If water gets into muffler during washing, remove moisture to prevent corrosion by starting engine to warm up exhaust system.*

## Replacement Parts

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|--|-----------|
| 1. MUFFLER, GRAND NATIONAL, BLACK, 2018 M8 FAT BOB® FRONT/REAR.....    | 551-0431  |
| 2. SCREW,SHC,HIGH TEMP LOCK PATCH,10-32 X 3/4", STAINLESS STEEL .....  | 500-0569  |
| 3. 4" END CAP, GRAND NATIONAL, BLACK.....                              | 551-0291  |
| 4. DB REDUCER BAFFLE ASSEMBLY .....                                    | 551-0063  |
| 5. BAFFLE, ASSEMBLY .....  | 551-0422  |
| 6. FIBERGLASS WRAP, PILLOW, 12" X 13" .....                            | 551-0276  |
| 7. SCREW, BHC, HIGH TEMP LOCK PATCH, 1/4-20 .....                      | 500-0441  |
| 8. HARDWARE KIT, MUFFLER, 2018 M8 FAT BOB® .....                       | 551-0425  |
| 9. SCREW, SHCS, W/ FLAT WASHER, 1/4-20 x 1", ZINC, ASTM A574-92A ..... | 50-0092-S |
| 10. CLAMP, MUFFLER, BAND STYLE, 1.75" .....                            | 551-0569  |

