

Instruction 510-0461  
02-13-2017  
Version 1  
Copyright © 2017  
by S&S® Cycle, Inc.

All rights reserved.  
Printed in the U.S.A.

**S&S® Cycle, Inc.**

14025 Cty Hwy G  
Viola, Wisconsin 54664

Phone: 608-627-1497 • Fax: 608-627-1488  
Technical Service Phone: 608-627-TECH (8324)  
Technical Service Email: [sstech@sscycle.com](mailto:sstech@sscycle.com)  
Website: [www.sscycle.com](http://www.sscycle.com)



## Installation Instructions: S&S 4" Slip-On Mufflers For 1995-2016 Harley-Davidson® Touring Models

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA  
ON ANY POLLUTION CONTROLLED MOTOR VEHICLES.

\*Qualified Manufacturer Declared Emissions Replacement Part on models  
not originally equipped with mufflers containing catalyst. Applicable  
models shown below.

### California Models:

FL Touring Fuel Injected 1995-2003, 2007, and 2009-2016  
CVO FL Touring 2000-2003, 2009-2016

### 49 State Models:

FL Touring Carbureted 1995-2005  
FL Touring Fuel Injected 1995-2005, 2007-2016  
CVO FL Touring 2000-2005, 2009-2016

### 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.

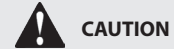
### IMPORTANT NOTICE:

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:

- 1/2" and 5/16" Combination Wrench
- 3/8" Drive Ratchet with 4" Extension
- 1/2" Standard Socket
- 5/16" Deep Well Socket

2. Removal of Stock Mufflers:

*Remove the saddlebags and set aside*

- a. Loosen the muffler clamps on the front of each muffler.
- b. Remove and discard the 5/16" screws that secure the mufflers to the saddle bag supports. New fasteners are included in the hardware kit.
- c. Remove the stock mufflers. The application of penetrating oil on the muffler/head pipe joint and a slight rocking motion will allow for easier muffler removal. Remove and discard the stock muffler clamps.

3. S&S Muffler Installation:

- a. Identify the right and left mufflers. Only the right side muffler has a clearance dimple for the axle nut. When the muffler is installed, the clearance dimple always goes to the inside, toward the axle.
- b. Apply Anti-seize to the threads of the new muffler clamps, included in the hardware pack, and install the clamps onto the mufflers. The nut of the clamp should be on the inside of the muffler and facing down.
- c. Slide each muffler onto the correct header pipe. If there are burrs on the pipe, removing them with a file or emery cloth will make muffler installation easier.
- d. Attach rear muffler hanger tabs to mufflers with 5/16" screws and

washers from the hardware kit, and tighten to 18 ft-lb.

- e. Make sure the mufflers are aligned vertically and that the ends are even. Tighten the muffler clamps to 40-44 ft-lb.
- f. Thoroughly clean the mufflers and exhaust system before starting the motorcycle. Any oil residue or finger prints on the chrome will cause permanent stains once the system heats up.
- g. Re-install the saddle bags.
- h. After the first test ride and after the bike has cooled down, re-check torque of the muffler clamps.

**HELPFUL HINTS TO MAINTAIN FINISH OF EXHAUST PIPES AND MUFFLERS**

- 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 the motorcycle is operated on a dyno.
- Avoid long periods of idling.
- Follow closely your owner's manual instructions regarding use of the starting enrichener on carbureted bikes. If left on longer than recommended, discoloration may be accelerated.
- 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 for S&S 4" Mufflers - 1995-2016 Touring Models**

1. 4" Muffler assembly w/o end cap	
Left, Chrome .....	551-0055
Right, Chrome.....	551-0056
Left, Black.....	551-0057
Right, Black.....	551-0058
2. 4" Muffler assembly Slash Down	
Left, Chrome .....	551-0059
Right, Chrome.....	551-0060
Left, Black.....	551-0061
Right, Black.....	551-0062
3. End Cap (Left and Right).....	551-0188
4. Main baffle assembly (Left and Right) .....	551-0053

5. dB killer baffle (Left and Right) .....	551-0063
6. Button head cap screw, Stainless, 1/4"-20x3/8" .....	500-0441
7. Socket head cap screw, Stainless, 10-32x3/4" .....	500-0569
8. Button head cap screw, Stainless, 10-32x3/8" .....	500-0570
9. Hardware kit, muffler clamps and screws (N/S).....	551-0027

