

Instruction 510-0588

09-24-2021

Version 4

© 2018–2021

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
Technical Service Email: sstech@sscycycle.com
Website: www.sscycycle.com



Installation Instructions: Hooligan 2-2 Exhaust System for 1991–2018 HD® Sportster® Models

(part # 550-0768)

DISCLAIMER:

FOR CLOSED COURSE COMPETITION USE ONLY. NOT INTENDED FOR STREET USE. LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES WHICH MAY NEVER BE USED, OR REGISTERED OR LICENSED FOR USE, UPON A HIGHWAY. NOT LEGAL FOR SALE OR USE NATIONWIDE ON ANY FEDERAL POLLUTION CONTROLLED MOTOR VEHICLE UNDER THE CLEAN AIR ACT.

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.

NOTE: Does not fit with stock air filter, requires a racing air filter kit that is centered over the intake bore. If needed S&S 170-0474 Hooligan Stealth with Black mini teardrop cover or 170-0475 Hooligan Stealth with Chrome mini teardrop cover can be used.

FOR 1991–2003 MODELS USE STEPS 1-4 BELOW

1. Loosen muffler clamps. Remove locknut from sprocket cover and bolt securing rear muffler to muffler support bracket. Remove mufflers.
2. Remove the nuts from the front and rear header flange at the cylinder head, remove header.
3. Remove and save retaining rings and flanges from stock header.
4. Remove stock exhaust port gaskets. Install new supplied conical gaskets to avoid leaks (*HD® 65324-83B or S&S 106-5029 gaskets must be used for a proper seal*).
5. Skip to step 8 below.

FOR 2004–'18 MODELS USE STEPS 1-7 BELOW.

1. Loosen heat shield clamps. Remove the nuts from the front and rear header flange at the cylinder head.
2. If equipped, unplug oxygen sensor connectors and free from motorcycle. Remove the clamp and hardware that mounts the rear header to the sprocket cover.
3. Remove the bolts fastening mufflers to mounting bracket. Remove exhaust as an assembly.
4. Remove sprocket cover and remove mounting bracket from cover, this will not be reused.
5. Remove right side foot controls to allow removal of stock exhaust bracket, this will not be reused.
6. Remove and save oxygen sensors, retaining rings and flanges from stock header.
7. Remove stock exhaust port gaskets. Install new supplied conical gaskets to avoid leaks (*HD 65324-83B or S&S 106-5029 gaskets must be used for a proper seal*).
8. Install flanges and retaining rings on new exhaust header. Install oxygen sensors, adaptors (5) and plugs (6) as necessary. (*550-0375 adaptor is used with 2014–2018 model oxygen sensors*).
9. Loosely install supplied header flange nuts.
10. Install clamp back half (10) to bracket (13). For 2004-later models, assemble clamp back half to bracket with rubber mount kit (12) in between. Rubber mount kit is not used for 2003 and earlier models. Install assembly onto shock mount, loosely tightening nut.

11. Determine megaphone orientation. Top (front cylinder) megaphone cone angles slightly down, bottom (rear cylinder) megaphone angles slightly up. Correct orientation will have S&S badges positioned identically. **See Picture 1**



Picture 1

12. Slide top megaphone onto front cylinder header and hold onto bracket. If you need help, use a zip tie or safety wire to hold muffler in place while installing lower megaphone.
13. Slide bottom megaphone onto rear cylinder header and use flanged screws (8 and 9) to hold mufflers in place.
14. Align mufflers so that S&S badges are positioned identically, tighten clamp bolts
15. Tighten shock mount nut to 30 lb/ft.
16. Reconnect oxygen sensor electrical plugs if equipped.
17. Before operating motorcycle, clean pipes and muffler with soap and water or window cleaner. Any grease or oil will permanently burn onto pipes. Dry thoroughly.
18. Check all mounting hardware to be sure it is tight before and after first operation of motorcycle. Periodically, check tightness of all mounting hardware.

- | | | | |
|--|-----------------|--|------------------|
| 1. Tube,Front,Head Pipe,Hooligan,2 Into 2,Weldment,1991-2017 xl..... | 551-0596 | 10. Bracket, inner, muffler clamp, ¼-20, hardware, outside process,
3.5" dia, anodized..... | 551-0778 |
| 2. Tube,Rear,Head Pipe,Hooligan,2 Into 2,Weldment,1991-2017 xl..... | 551-0594 | 11. Nut, flanged, 12pt, ¼-20, stainless steel | 500-0885 |
| 3. Muffler,Assembly,Front,2 Into 2,Hooligan,1991-2017 xl..... | 551-0588 | 12. Rubber Mounting Kit for 2004–2021 models (<i>sold separately</i>) | 551-1827 |
| 4. Muffler,Assembly,Rear,2 Into 2,Hooligan,1991-2017 xl..... | 551-0589 | 13. Bracket,Muffler,Megaphone,2 Into 2,Hooligan,Powdercoated,
Black,1991-2017 xl..... | 551-0580 |
| 5. Adapter, Oxygen Sensor, 12mm to 18mm, Stainless Steel..... | 550-0375 | 14. Screw, flanged, 12pt, ¼-20 x 5/8", black oxide | 500-0884 |
| 6. Plug,M18 x 1.5 Thread | 551-0122 | 15. Gasket,Exhaust,Tapered,Stainless Steel,1984-up bt, 1986-up xl | 106-5029 |
| 7. Bracket, outer, muffler clamp, ¼-20 hardware, outside process,
3.5" dia, anodized..... | 551-0779 | 16. Nut,HSFH,5/16-24 UNF-2B x .283",Zinc,Steel | 50-5025-S |
| 8. Screw, flanged, 12pt, ¼-20 x 2-½", black oxide..... | 500-0882 | | |
| 9. Screw, flanged, 12pt, ¼-20 x 1", black oxide..... | 500-0883 | | |

