

Instruction 510-0480

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Version 1

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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

Website: www.sscycle.com



Installation Instructions: S&S Stealth Air Cleaner Kits For 2017 Harley-Davidson® Street Rod® 750cc Models

DISCLAIMER:

Many S&S parts are designed for high performance, closed course, racing applications and are intended for the very experienced rider only. The installation of S&S parts may void or adversely affect your factory warranty. In addition such installation and use may violate certain federal, state, and local laws, rules and ordinances as well as other laws when used on motor vehicles used on public highways. Always check federal, state, and local laws before modifying your motorcycle. It is the sole and exclusive responsibility of the user to determine the suitability of the product for his or her use, and the user shall assume all legal, personal injury risk and liability and all other obligations, duties, and risks associated therewith.

Exempt from emissions tampering regulations on 2017 Street Rod® Models under CARB EO# D-355-XX

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.

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.

Kit Contents

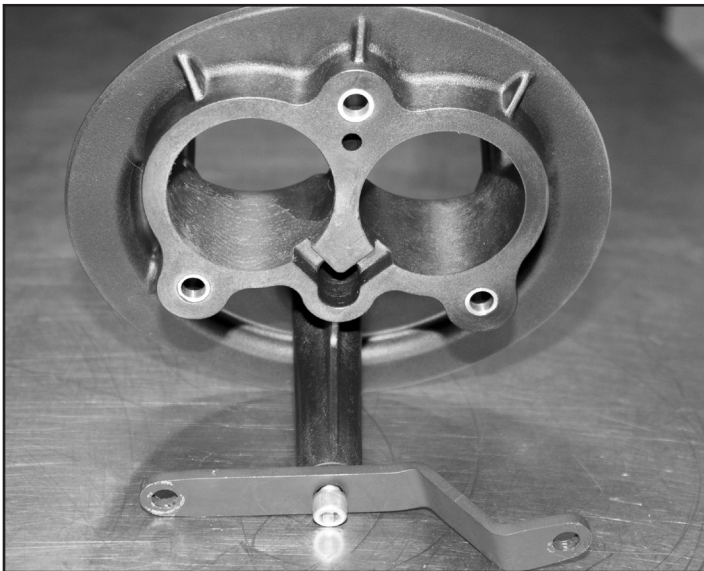
- Air Filter (1)
- Back Plate (1)
- Top Plate (1)
- Hardware Kit

Tools Required

- 5/16" Allen Socket
- 3/16" Allen Socket
- 5/32" Allen Socket
- 4mm Allen Socket
- 5mm Allen Socket
- Inch pound torque wrench

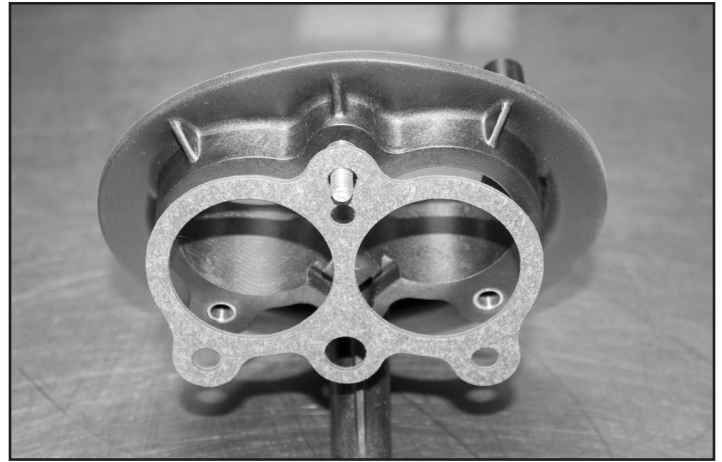
Installation Steps

1. Remove stock air cleaner. Refer to factory service manual for recommended procedure.
2. Locate the backplate, 1/4"-20 socket head cap screw and bracket. Apply thread locker to the threads of the socket head cap screw, install the bracket to the backplate as shown in **Picture 1**. Do not tighten, leave loose.



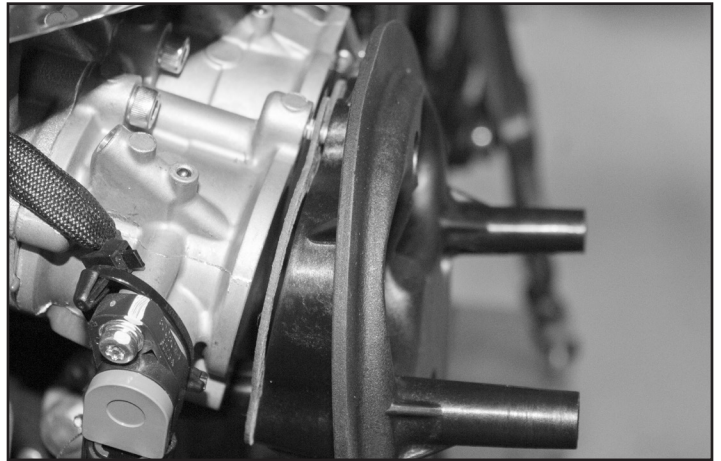
Picture 1

3. Locate one on the M6X20mm button head cap screws and the gasket. Pass the M6X20mm button head cap screw through the backplate and hang the gasket over it as pictured in **Picture 2**.



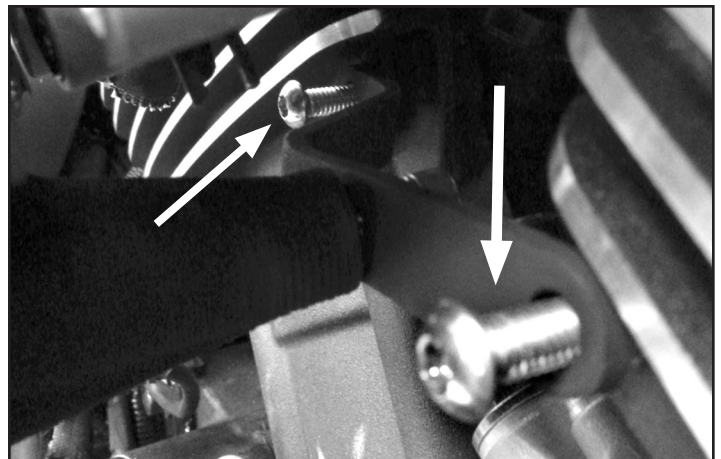
Picture 2

4. Apply thread locker to the M6x20mm button head cap screw that is passed through the backplate and gasket and attached to the throttle body as pictured in **Picture 3**. Don't tighten this screw yet.



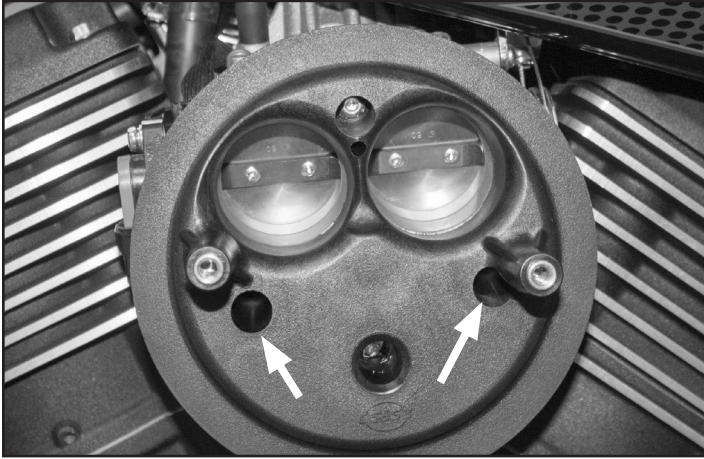
Picture 3

5. Locate the other 4 M6X20mm button head cap screws and apply thread locker to the threads of all of them.
6. Install two of them through the bracket that was attached earlier to the backplate and thread into the cylinder head finger tight. **Picture 4** illustrates locations.



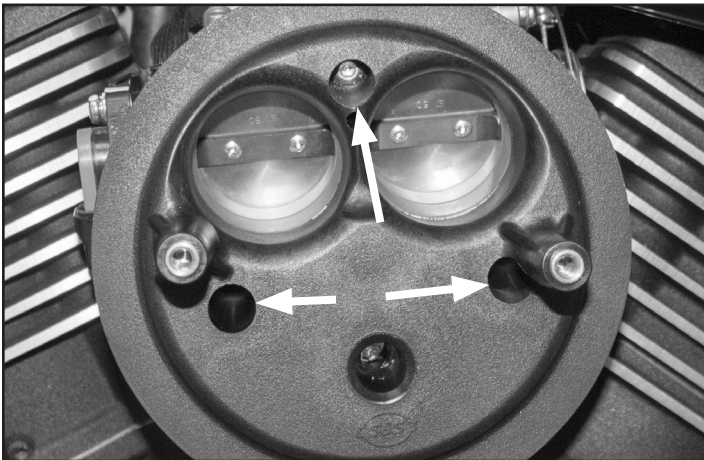
Picture 4

7. Install two of the M6X20mm button head cap screws through the backplate and gasket, and thread into the throttle body, finger tight. See **Picture 5**.



Picture 5

8. Torque the three M6X20mm button head cap screws in the backplate to 72 in-lbs **Picture 6**. Torque the two M6X20mm button head cap screws that hold the bracket to the cylinder head to 72 in-lbs See **Picture 4**.



Picture 6

9. Remove the coil cover from the left side of the motorcycle so you can get to the 1/4"-20 socket head cap screw that holds the bracket to the air cleaner backplate easier. **Picture 7**



Picture 7

10. With a long extension and a swivel tighten the 1/4"-20 socket head cap screw to 50 in-lbs **Picture 8** and re-attach the coil cover.



Picture 8

11. Locate the air filter, air filter top plate and 2 - 1/4"-20 button head flanged cap screws.

12. Apply thread locker to the two 1/4"-20 button head flanged cap screws, and install the filter and filter top to the backplate as shown in **Picture 9**.



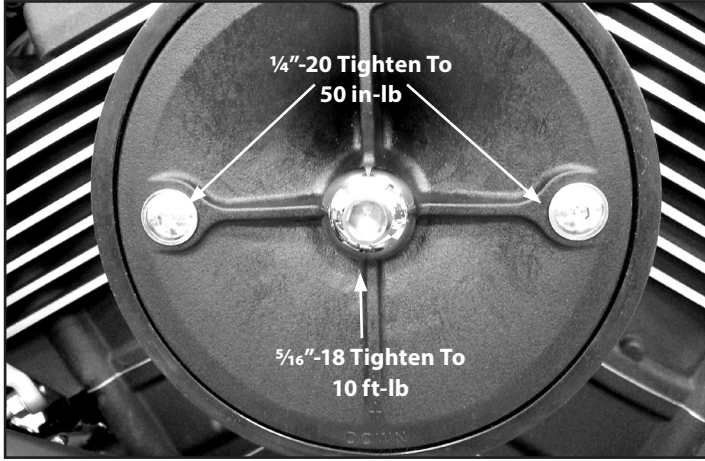
Picture 9

13. Tighten screws to 50 in-lb. See **Picture 10**.

NOTE – This air cleaner may be run without a cover, or any S&S Stealth cover may be installed, except the Airstream style covers which are not compatible with this application.

14. If a cover is to be installed remove the 5/16"-18 button head cap screw from the filter top, and apply thread locker. Use this screw to secure the cover to the air cleaner. Tighten to 10 ft-lb. See **Picture 10**

15. If a cover will not be installed, remove the 5/16"-18 button head cap screw from the filter top, and apply thread locker. Reinstall the screw and tighten to 10 ft-lb. See **Picture 10**.



Picture 10

Replacement Parts

- | | |
|--|---|
| 1. Top plate, filter, air, molded, plastic170-0026 | 6. Screw, SHC, 1/4-20 UNC x 5/8", zinc, steel50-0071 |
| 2. Filter, air, tapered, standard, pleated, 5.50" X 6.00"170-0043 | 7. Screw, BHC, M6 x 20mm, zinc.....50-8421-S |
| 3. Backplate, air cleaner, dual bore, injection molded170-0415 | 8. Screw, SBHCS, 5/16-18 UNC x .500", Polished, stainless..... 500-0051 |
| 4. Gasket, intake, dual bore, 2017 street rod170-0404 | 9. Screw, SHC, flanged button, 1/4-20 UNC x .750"..... 500-0060 |
| 5. Bracket, backplate, powdercoated, black,
2017 street rod170-0413 | 10. Sealant, Loctite, #243, 5ml (Not Shown)..... 51-9003 |

