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S&S CNC Ported Heads Inspection Documentation

DISCLAIMER:

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, especially in states where pollution laws may apply. 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.

The words Harley®, Harley-Davidson®, H-D®, Sportster®, Evolution®, and all H-D part numbers and model designations are used in reference only. S&S Cycle is not associated with Harley-Davidson, Inc.

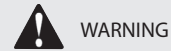
SAFE INSTALLATION AND OPERATION RULES:

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.
- (4) S&S parts are designed exclusively for use in Harley-Davidson® and other American v-twin motorcycles. S&S shall have no warranty or liability obligation if an S&S part is used in any other application.

Notice: S&S no longer offers CNC ported cylinder heads on an exchange basis. The same heads you send in will be returned to you.

Prior To Sending Cylinder Heads To S&S, Please Review The Check List Below.

All cylinder heads received for CNC porting will be inspected using the criteria listed below. Before you ship your heads to S&S, please inspect them yourself and answer the questions below. Check "YES" or "NO" in the boxes below each question. If any questions in Section A are answered "NO," the cylinders heads may be cleaned and/or repaired at an extra charge before the CNC porting is performed. If any of the questions in Section B are answered "NO," the heads are not acceptable, and will not be CNC ported. S&S Cycle, Inc. reserves the right to reject any parts if they fail to meet the criteria outlined below. S&S Cycle, Inc. will have the final decision on all inspections performed.

In the event that one or both heads are rejected, S&S Cycle will contact the customer before taking further action. S&S can supply replacements at an additional cost, but the customer will be responsible for any shipping fees to return unacceptable heads. It is to your advantage not to send unacceptable heads to S&S, since it results in spending extra time and money.

After reviewing and filling out this sheet, please retain the top portion for your records. The information form at the bottom of page 3 should be cut off along the dotted line and attached to the outside box of the parts being sent to S&S Cycle, Inc. for inspection.

Section A – If the answer to any question in this section is "NO," the heads may be cleaned and/or repaired, and the customer will be charged at our current labor rate of \$65.00 per hour (with a minimum charge of 1 hour).

• Is the cylinder head clean and free of oil, dirt, and grease?

YES NO

• Are the exhaust studs straight with good useable threads?

YES NO

• Have all the gaskets (includes gasket residue) and seals been removed from the cylinder head?

YES NO

• Have all the valve springs, valves, collars, seals and sensors been removed from the cylinder heads?

YES NO

Section B – If the answer to any question in this section is "NO," the heads are unacceptable and will not be CNC ported. Heads are available for sale to replace any heads that do not pass this inspection.

• Is the cylinder head thicknesses still stock (3.750"± .003" for all BT, 3.670"± .003" for XL1200, and 3.688"± .003" for XL883)?

YES NO

• Are the cylinder head chamber shapes, and port shapes still stock?

YES NO

• Are the valve seats in the stock location? Valve stem protrusion must not exceed 2.040" for BT and XL883, 2.065" for XL1200

YES NO

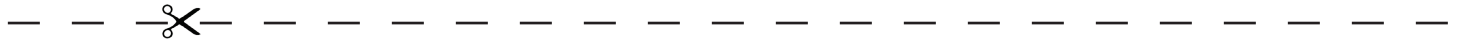
Shipping Instructions - READ BEFORE SHIPPING!

To ensure that your heads arrive at S&S Cycle, Inc. in a good usable condition please take the time to securely package and protect all components. Improperly packaged heads will very likely be damaged in shipping. S&S Cycle, Inc will not be responsible for any damages incurred during shipping. In the event of shipping damage, all damage claims must be filed by the customer through the appropriate shipping agency. S&S will not file any claims.

Shipping/Packaging Recommendations

1. Package all parts in a layer of bubble wrap, foam wrap or packing paper (not newspaper),
2. Place each head in a separate box that is slightly larger than the paper, foam or bubble wrapped head,
3. Place both individually boxed heads into one larger box so the heads ship together and arrive at S&S at the same time. Make up the space around the smaller boxes with more bubble wrap or packing paper (not newspaper). The more packaging the better!
4. Insure all parts through the shipping agency to further protect all shipped goods.
5. Once the components have been properly packaged, fill out the information form below. Detach the form and tape it to the outside of the box the parts will be shipped in.

Please ship all parts to:
S&S Cycle, Inc.
Attention: CNC Head Porting
14025 County Hwy G
Viola, WI 54664



NOTE: Casting Numbers can be found on the top of the cylinder head in between the rocker box gasket surfaces.
For example: 17192-06 and 16874-07

Sales Order No. _____

DUE DATE (30 days from sales order date) _____

Customer Service Representative _____

Casting Numbers: Front _____ Rear _____

Dealer Name: _____

Dealer No. _____

Dealer Address: _____