



**SPEED AND SCIENCE Head Fastener Kit for 1966-1984 Harley Davidson® “SHOVELHEAD” engines,  
P/N: SH\_FSTNR\_001**

8190 River Road  
Delta, BC V4G 1B5, CANADA  
T: 604-946-4110  
[www.speedandscience.com](http://www.speedandscience.com)  
[sales@speedandscience.com](mailto:sales@speedandscience.com)

REVISIONS:	DESCRIPTION:	DATE:
01	SHCS Lengths updated: - was 4 x 1-1/4" is 4 x 1-1/2" - was 2 x 1-1/2", is 2 x 1-3/4"	Dec 04 2019

**DISCLAIMER:**

SPEED AND SCIENCE (SNS) parts are designed and intended for closed course applications only. Our products must be installed by a mechanic experienced in American V-Twin engines and used by an experienced rider. Installation of SNS parts may affect or even void any other warranties if such apply to your motorcycle. Additionally, such installation may violate some federal, provincial, state and local laws, rules and ordinances. Always check federal, provincial, state and local laws prior to modifying your motorcycle. It is the sole and exclusive responsibility of the user to determine whether the product is correct for his/her use. The user shall assume all legal risks, liabilities, duties and obligations associated therewith.

**Trademark Disclaimer:** The words Harley-Davidson®, H-D®, Sportster®, Evolution® and all OEM part numbers and model designations are registered trademarks of H-D Michigan, LLC, and are used for reference only. Speed And Science is not associated with Harley-Davidson, Inc.

\*\*\*Not EPA Compliant, please check with your local Motor Vehicle Office for rules and regulations\*\*\*

**INSTALLATION AND OPERATION SAFETY:**

It is your responsibility to read and follow these instructions thoroughly and carefully prior to attempting any work on your motorcycle. Make sure you understand all procedures completely. Contact SNS with any questions you may have regarding an installation and/or operation of any SNS product. Please make safety your priority.

1. Motorcycle fuel is extremely flammable and explosive media, also toxic when breathed/ingested. Work only in well ventilated room equipped with appropriate fire extinguishing gear. Avoid any open flames or sparks, do not smoke.
2. Exhaust fumes are toxic and must not be breathed. Run your motorcycle in a well ventilated area; also never stay in the way of the exhaust fumes.

3. Motorcycle engine and certain accessories do get very hot after even a very short run. Always allow those to cool down before attempting any work.
4. Always disconnect the motorcycle battery prior to attempting any work. Secure the battery terminals and cables to prevent any accidental re-connect and/or short-circuit.
5. Consult an appropriate service manual[s] for other procedures that may be needed in order to facilitate an installation of the SNS part[s].
6. Never work on, or operate your motorcycle while under influence of alcohol or drugs. Fatigue will affect your proper judgement ability also. Please keep yourself and others safe.
7. Always check federal, provincial, state and local laws prior to modifying your motorcycle.

**\*\*\*IMPORTANT – READ FIRST!!!\*\*\***

1. **Anytime during assembly and/or while checking for clearances, under NO CIRCUMSTANCES the engine should be forced to rotate if ANY RESISTANCE is observed. Doing so, or failing to provide correct clearances may cause an engine damage and will not be covered by warranty.**
- This kit is designed exclusively for Speed And Science headsets. The hardware listed below is sufficient to install both OEM or Speed And Science Rocker Boxes (recommended). Due to variations between OEM and SNS products, we've included some extra fasteners. Please make sure to select correct hardware for your application in order to avoid bottoming-up.

List of Kit items:

Qty. 2	Top Engine Mounting Studs (OEM P/N 16864-48)
Qty. 6	5/16UNC x 1" Bolts, Exhaust Headers (covers 3-bolt flanges)
Qty. 6	5/16 Spring Washers, Exhaust Headers (covers 3-bolt flanges)
Qty. 16	5/16UNC x 2-1/2" Bolts, OEM or SNS Rocker Box mount
Qty. 4	5/16UNC x 1-1/2" Bolts, OEM Rocker Box mount
Qty. 2	5/16UNC x 1-3/4" Bolts, SNS Rocker Box mount
Qty. 18	5/16" Flat Washers, OEM or SNS Rocker Box mount