

Thoroughbred Diesel Fasteners Competition Series Head Stud Kit

Fits: Ford 2003-2010 6.0L Power Stroke Diesel • Part Number: FHSP0310-CS

Parts Included:

(20) Head Studs
(20) Head Stud Nuts
(20) Head Stud Washers
(10) Inner Row Head Bolts
(10) Inner Row Head Bolt Washers
(1) Assembly Lube

Tools Needed:

•Socket Set
•Torque Wrench
•Thread Chaser
- M14 x 2 (item # TCCM14x2)
- M8 x 1.25 (item # TCCM8x1.25)

Please Read Instructions before starting installation. If you don't feel confident that you can complete this task, do not start it and seek professional help!

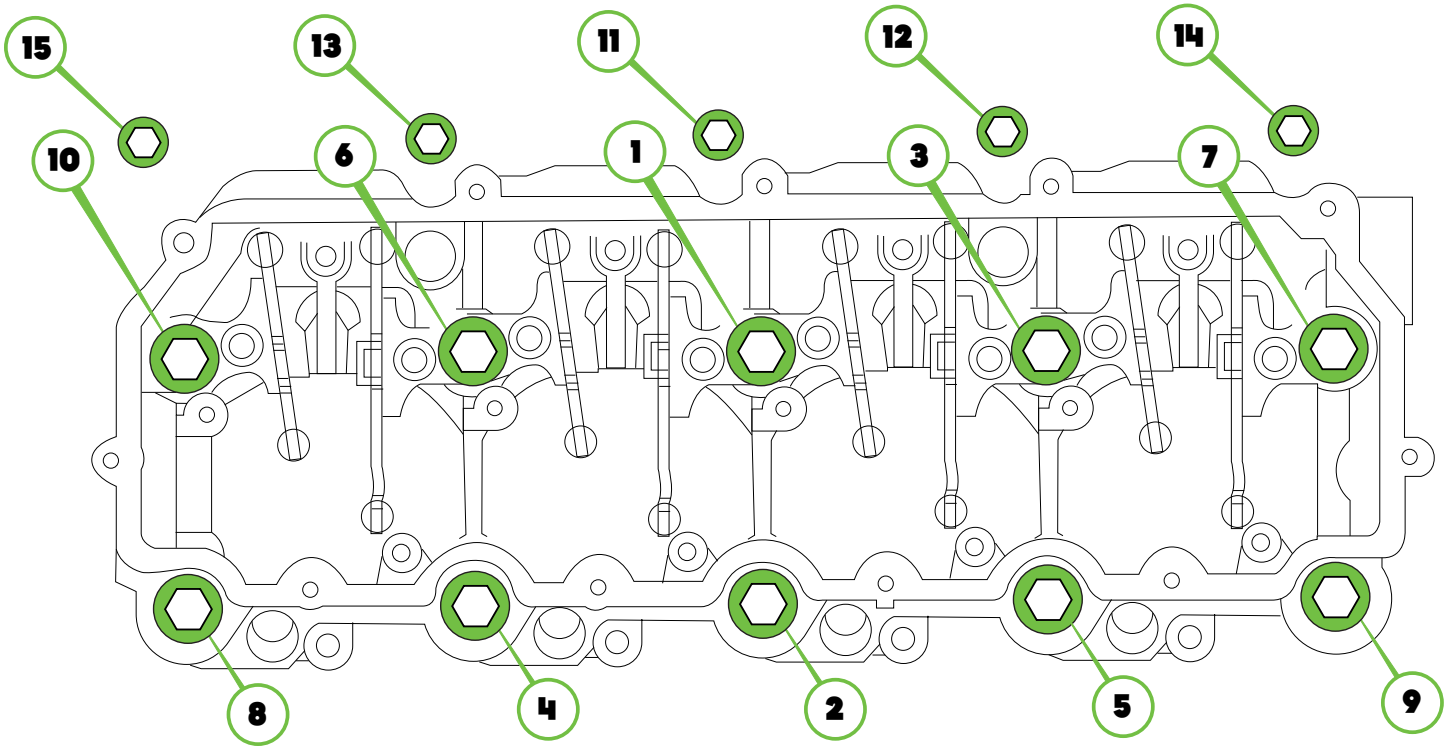
- These instructions only cover the installation and torque sequence/technique of the Head Stud Kit.
- Clean and inspect the Studs, Bolts, Washers, and Nuts to ensure they are free of shipping damage and obvious defects.
- Clean all threads in the block. It is recommended to use a Thread Chaser on the threads of the block so that they are completely clean to ensure proper thread engagement and accurate torque reading.
- Lubricate the threads of the Head Studs and install them into the block. Be sure to only screw them in **HAND TIGHT**. Look across the tops of the head studs to see that they all appear to be the same length. If one is taller, remove the stud, clean the threads in the block and re-install.
- Install the head gaskets and cylinder heads; check for any misalignment.
- Install Rocker Arm Box, Push Rods, and Rocker Assembly according to manufacture specs.
- Lubricate the threads of the Inner Row Head Bolts and top face of the Inner Row Head Bolt Washers (lubricate only the face that has contact with the bottom of the bolt head) and install them into the engine head. Be sure to only screw them in **HAND TIGHT**.
- Place head stud washers onto the head studs. Then lubricate top of head stud washers and head stud threads with assembly lube.

❑ Lubricate the mating face and threads of the Head Stud Nuts with Assembly Lube.

❑ Snug all Head Stud Nuts on Studs, then follow the torque sequence below in a 4-step process.

1. The first round should be to 25 ft lbs (positions 1-15).***
2. Then repeat the sequence for 90 ft lbs (positions 1-10).
3. Then repeat the sequence for 180 ft lbs (positions 1-10).
4. Followed by 265 ft lbs (positions 1-10).

***The Inner Row Head Bolts (positions 11-15) will only be torqued to the first sequence of 25 ft lbs



❑ The amount of Head Stud threads showing above the Head Stud Nut should all be about the same. If one appears to have more thread, the stud is most likely not all the way in the head.

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