



Gator Fasteners Competition Series Head Stud Kit

Fits: Ford 2003-2010 6.0L Power Stroke Diesel • Part Number: HSK60-CS

Parts Included:

20 Head Stud Nuts
20 Head Stud Washers
10 Inner Row Head Bolts (M14 x 2)
10 Inner Row Head Bolt Washers (M8 x 1.25)
1 Assembly Lube

Required Tools:

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

Prior to initiating the installation of the Gator Fasteners Competition Series Head Stud Kit, it is imperative to carefully review these instructions. If any doubt arises regarding the completion of this task, it is strongly recommended to seek professional assistance.

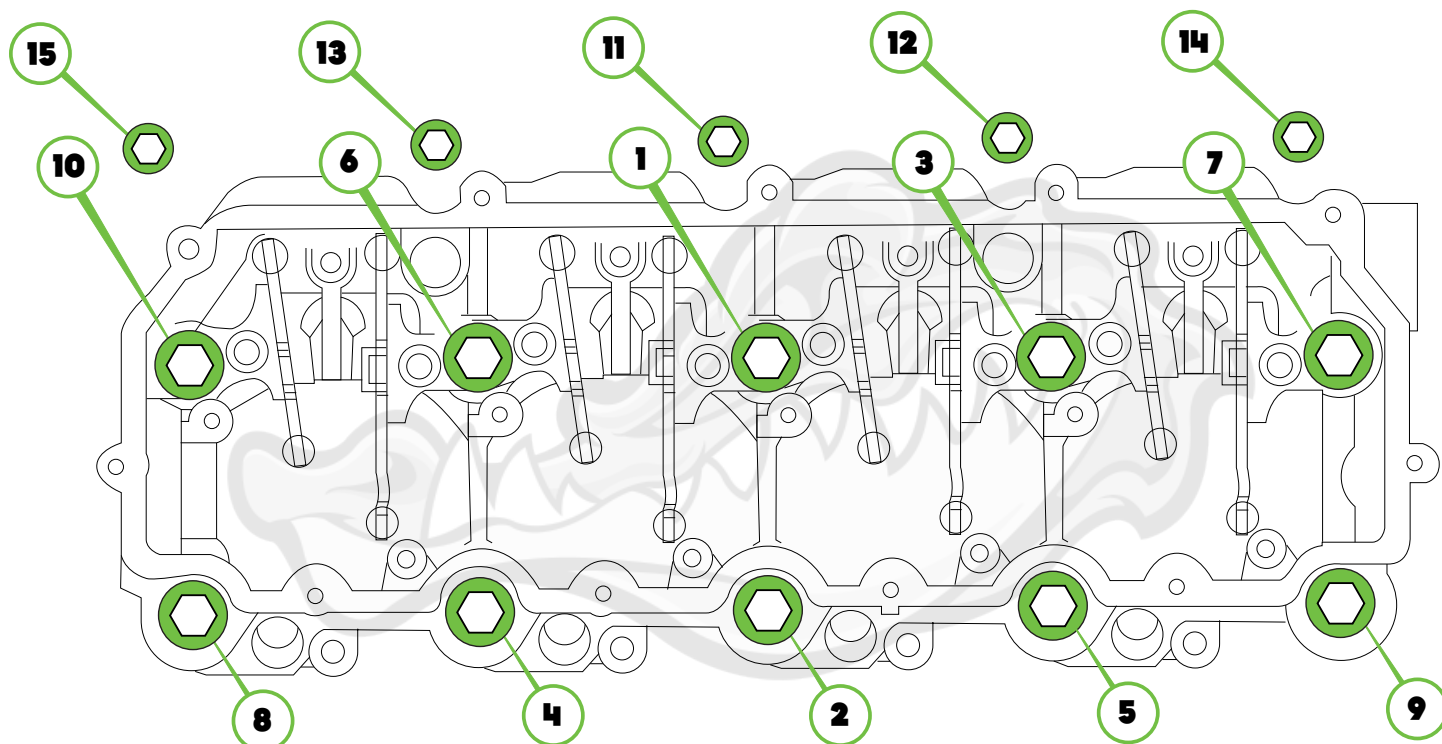
- Handle the Gator Fasteners Competition Series studs while wearing the provided gloves, ensuring freedom from oils and impurities.
- This manual exclusively covers the installation process, torque sequence, and technique specific to the Head Stud Kit.
- Thoroughly examine the Studs, Bolts, Washers, and Nuts for any indications of shipping damage or evident defects.
- Meticulously cleanse all threads within the engine block. Employing a Thread Chaser on the block threads is recommended to achieve complete cleanliness, thereby ensuring optimal thread engagement and precise torque readings.
- Apply lubrication to the threads of the Head Studs and cautiously insert them into the engine block, ensuring they are tightened by hand to an appropriate degree. Verify uniform stud lengths across the top; if inconsistencies arise, remove, clean, and reinstall the affected stud.
- Proceed to install the head gaskets and cylinder heads, ensuring alignment integrity.
- Adhere to manufacturer specifications while installing the Rocker Arm Box, Push Rods, and Rocker Assembly.

- Lubricate the threads of the Inner Row Head Bolts and the upper surface of the Inner Row Head Bolt Washers (only the surface in contact with the bolt head's underside), subsequently hand-tightening them.
- Position head stud washers onto the studs. Lubricate the upper surface of these washers and the threads of the head studs using assembly lube.
- Apply assembly lube to the mating surfaces and threads of the Head Stud Nuts.

Gradually tighten all Head Stud Nuts using the prescribed torque sequence, employing a three-step process:

1. Initial tightening to 90 ft lbs (positions 1-10).
2. Repeat the sequence, tightening to 180 ft lbs (positions 1-10).
3. Repeat the sequence once more, tightening to 240 ft lbs (positions 1-10).

***Inner Row Head Bolts (positions 11-15) are to be torqued exclusively during the first sequence, reaching 25 ft lbs.



Ensuring Uniformity:

It is of paramount importance to maintain consistency in the amount of Head Stud threads exposed above the Head Stud Nut. Disparities in thread exposure may indicate inadequate stud insertion.

Disclaimer and Liability:

The seller disclaims any responsibility or liability for improper, incorrect, or inexperienced installation of products by the purchaser or installer, leading to damage or loss. The buyer acknowledges, through the purchase of this product, its fitness for intended use and accepts all related liability. The buyer affirms that product usage is at their own risk, assuming complete responsibility.

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