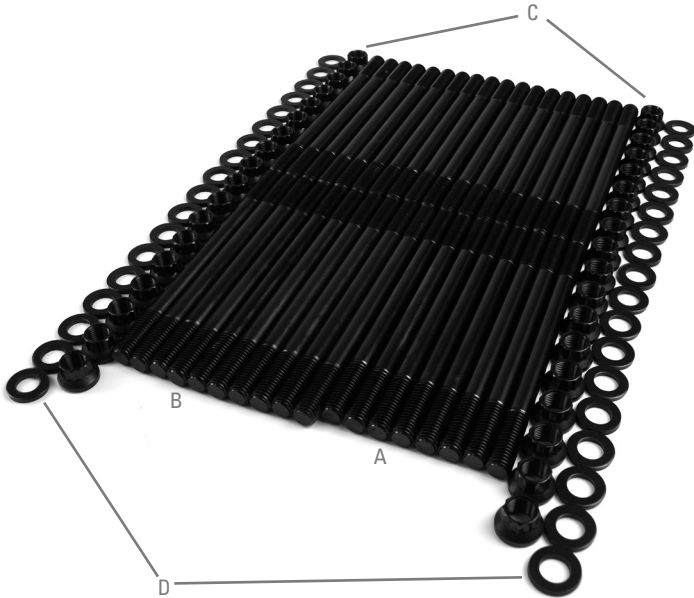




PART NO. XD3013HS

## XDP X220 SERIES HEAD STUD KIT

### INSTALLATION MANUAL



CODE	DESCRIPTION	QTY
A	"Short" Head stud (6.625")	8
B	Long Head Stud	28
C	Nut	36
D	Washer	36



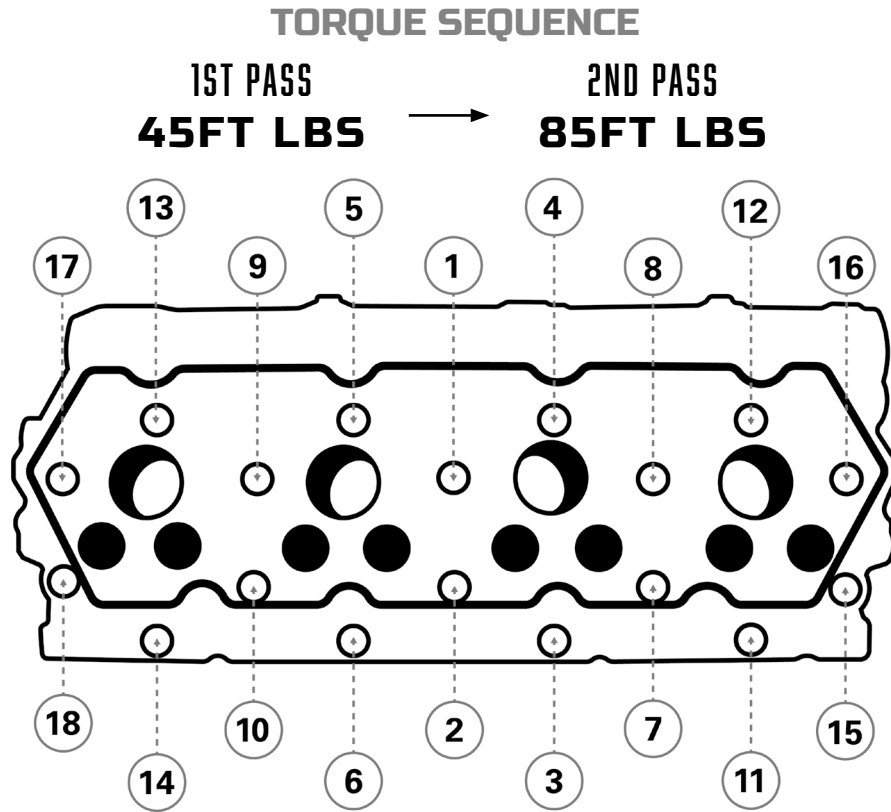
**BEFORE REMOVING ANY PARTS FROM YOUR TRUCK, PLEASE COMPARE THE ITEMS YOU HAVE RECEIVED WITH THE PACKING LIST PROVIDED TO VERIFY THAT YOU HAVE EVERYTHING NECESSARY TO INSTALL YOUR NEW XDP X220 SERIES HEAD STUD KIT.**



**BEFORE YOU BEGIN!** Ensure that the vehicle has not been in use and that the engine is cool to the touch. Always wear eye protection when working on any vehicle.

- 1 Verify the part number on the box, and the instructions match the part number for your vehicle application.
- 2 Thoroughly inspect all hardware and ensure proper length and fitment.
- 3 Using a thread chaser (Such as XD40125TC) chase all threads prior to installing your new head studs to ensure you get proper thread engagement and accurate torque readings.
- 4 Ensure that a thread sealer is used on any studs that protrude into a water jacket.
- 5 Using a 5mm allen key, install the studs into the block **HAND TIGHT!**
- 6 Proceed to install the cylinder heads and be sure to check for any binding or misalignment.
- 7 Lubricate the threads of the studs, nuts, and washers with assembly lubricant such as XD541 X-TRA Slick Engine & Fastener Assembly lubricant (Sold separately).
- 8 Install the washers and nuts onto the studs tightening the nuts hand tight. NOTE: The "Short" Head Stud's (6.626") are installed along the intake manifold side of the cylinder head in position #4, 5, 12, and 13 in the factory torque sequence.

- 9 Following the torque sequence below in two steps, tighten the nuts to 45ft lbs, 85ft lbs.



- 10 Following the torque sequence below tighten the nuts to 125ft lbs.

**Tech Tip:** We recommend going over in sequence and double checking torque at 125ft lbs.

