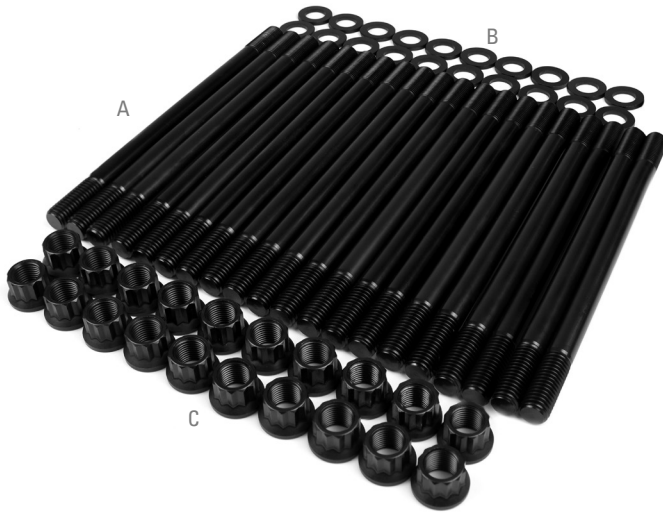




PART NO. XD3001HS

XDP X220 SERIES HEAD STUD KIT

INSTALLATION MANUAL



CODE	DESCRIPTION	QTY
A	Head Stud	20
B	Washer	20
C	Nut	20



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 XD40126TC & XD40128TC) 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 3/16" 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.

- 9** Following the torque sequence below in three steps, tighten the nuts to 70ft lbs, 140ft lbs, and then 210ft lbs, and the inner row bolts to 23ft lbs if using OEM. (Aftermarket such as XD3020HB torque to 25ft lbs)

Tech Tip: We recommend going over in sequence and double checking torque at 210ft lbs on the 1-10 studs, and proper torque on the inner row bolts.

TORQUE SEQUENCE

1ST PASS → **70FT LBS** → **2ND PASS** → **140FT LBS** → **3RD PASS** → **210FT LBS** → **FINAL PASS** → **210FT LBS**

