



PART NO. XD331

## XDP DURAMAX CRANKSHAFT PIN KIT

### INSTALLATION MANUAL

**THANK YOU** for purchasing your new XDP Duramax Crankshaft Pin Kit. If at any time you need additional assistance with installation or have questions or comments, please call our technical support department at 1-888-343-7354. You can also take advantage of our live chat at [www.xtremediesel.com](http://www.xtremediesel.com) and connect with an XDP Performance Specialist.

If installing an ATI damper with the XD331 Pin Kit, install damper first before pinning crankshaft.

**Tools Needed:**

12 point 36mm ½" drive shallow socket

22mm Socket

Torque Wrench Capable of 250 Ft. Lbs

90 Degree Drill

Cutting/Drilling Lubricant



**STOP**

**BEFORE REMOVING ANY PARTS FROM YOUR TRUCK, PLEASE VERIFY THAT YOU HAVE EVERYTHING NECESSARY TO INSTALL YOUR NEW XDP DURAMAX CRANKSHAFT PIN 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. NOTE: If using PPE, ATI & Super Dampers must remove counter weight before installing drill collar. After procedure is complete you may reinstall counter weight.

- 1** Remove factory crankshaft bolt. (This may require removal of the factory skid plate)
- 2** Place drilling fixture onto damper. Clock the fixture 180-degrees from the existing factory key.
- 3** Install the supplied bolt hand-tight with a ratchet or wrench. Do not overtighten!
- 4** Measure 1-3/4" on the supplied drill bit and tape this mark. This is the depth to which the crankshaft will be drilled.
- 5** In a 90-degree drill, carefully drill the 1-3/4" hole, stop at the mark made in step 4. Go slow and use plenty of cutting/drilling lubricant.
- 6** Once drilling is complete, remove the holding fixture and bolt from damper.
- 7** Inspect hole and ensure that it is clear of any debris and shavings from the drilling procedure.
- 8** Tap or press the supplied dowel pin into the hole.
- 9** Once pin is seated, re-install the factory bolt and torque to 278 ft-lbs.