



# INSTRUCTIONS

## NICO ProKit - Ford 6.7L Power Stroke® Diesel Hold-Down Bolt

Thank you for investing in the ProMAXX® fuel injector hold-down bolt repair kit, model name NICO. It is designed as a complete system duplicating the capabilities of a professional machine shop for on-the-truck repairs saving you from costly and unproductive removal of the cylinder head. **For the best most successful result, follow these instructions.**

1. Remove engine repair side fuel lines and injectors using the ProMAXX® PowerPull fuel injector puller PMXPWP100PRO and set them aside.
2. Remove the valve cover and only those corresponding valve train components to gain access to the broken injector hold-down bolt.
3. Cover and protect all open cylinder head cavities and remove any portion of the damaged fastener so that it is flush with the top of the head. Clean the injector passage hole with an appropriate solvent prior to mounting NICO.
4. Once cleaned, insert NICO into the injector passage of the cylinder head with the nylon flange side down between the two exhaust valves as shown below.

Insert NICO with the ProMAXX® logo up for the LEFT side



Insert NICO with the ProMAXX® logo down for the RIGHT side



5. Using a 9/16" wrench or socket, hand tighten the chrome hex nut until NICO is securely anchored in the cylinder head so it does not move. Once anchored, turn the hex nut one additional half rotation. Insert ProBushing PPB5125 until it seats.
6. Mark your tooling bits with a line two (2) inches from the point of the drill bit up the shank.
7. Insert the ProDrill SPJC125 bit into a 3/8" capacity air drill. Place the bit through the cap of the ProLube bottle and gasket. For subsequent steps, place just one drop on the end of each ProDrill and repeat as necessary.
8. Before drilling continuously, IT IS CRITICAL that you toggle, or bump, your drill on/off for five one-second intervals while applying light pressure. This process will maintain precise alignment by creating a "seat" or "divot" for the drill bit preventing the bit from walking or drifting off center.
9. Begin drilling continuously according to the enclosed drill speed chart. Remove and replace the bushing/bit PPB5125/SPJC125 with PPB5188/SPJC188, and then PPB5266/SPJC266. Repeat the steps above. Replace PPB5266 with PPB5320 and using a 3/8" drive tap holder or tap handle, attach the ProTap PPT008. Add one drop of ProLube to each flute of the tap and begin chasing the threads by slowly turning the tap clockwise then counterclockwise, a half-turn at a time, stopping frequently to force compressed air down each flute to clean the tap. Repeat this process frequently and carefully until the tap stops cutting. CAUTION: DO NOT OVER-TORQUE TAP. IN THE UNLIKELY EVENT THE TAP FRACTURES, CONTACT PROMAXX TECHNICAL SUPPORT: 724.941.0941
10. Remove NICO from the cylinder head by loosening the chrome nut and then lightly tap the top of the nut with a plastic faced hammer to unlock it from the cylinder head. In the unlikely event a tap is fractured, contact ProMAXX® technical support.

**PROKIT PLUS USERS OPTIONAL PPS008 THREADED INSERT** - Place a mark 2 1/4" from the point of the drill bit to the shank. Insert ProBushing/ProDrill PPB5420/SSSC420 and ProBushing/ProTap PPB5485/PPT012 and repeat the "stepped" machining process above. Add one drop of locking fluid (red) to the insert PPS008 and using insert tool (PPSTOLNIC) complete the installation.

All ProMAXX® tooling included in your kit is specifically engineered to a precision tolerance of (+) .000"/ (-).001". ProMAXX® Tool only uses machine-shop-grade tooling to deliver accurate and repeatable results. ProMAXX® Tool proudly provide limited lifetime warranties and free unlimited technical support. For more information, replacement parts, or to submit comments or questions visit [www.promaxxtool.com](http://www.promaxxtool.com). For technical support contact (724) 941-0941.

ProMAXX® warrants this product to the original purchaser for its useful life against deficiencies in material and workmanship. This LIMITED LIFETIME WARRANTY does not cover normal wear and tear, and if it is used incorrectly, abused, altered or repaired. Deficient products will be replaced or repaired.

Always use OSHA approved safety glasses/goggles and protective gloves while using this device and performing this operation.

 (724) 941-0941

 [www.promaxxtool.com](http://www.promaxxtool.com)

For video instructions, scan the QR code. Simply hover your phone camera over the image and it will connect you to our fast and easy YouTube™ tutorial.

