



# Instructions

FORD 3.5 L EcoBoost Valve Cover Saver - PMXVCS300PRO  
FORD 3.5 L EcoBoost 5.0L Coyote Valve Cover Saver PMXVCS300PROP  
FORD 3.5 L EcoBoost 5.0L Coyote Valve Cover Saver PMXVCS300PVW

1. Remove any portion of the fastener that protrudes above the surface of the valve cover prior to mounting the ProBody™ assembly. Insert the flange side into the valve cover carefully centering the bushing mounting hole over the damaged 5MM bolt(s).

*(For 5.0L Coyote engine, use the optional flange (STD with PROP and PVW kits) marked with a groove on the face.)*

Slip the ProPin (PPP480) bushing in the VCS plate to align VCS with the broken bolt. For ProView models, use ProBushing PPB3255 in to the VCS plate and use your iPhone or Android camera to visually align the VCS ProPlate with the broken bolt. Using a 9/16" deep socket and ratchet, tighten the chrome hex nut until the ProBody™ stops moving. Once stable, turn an additional one-half turn or more until the ProBody™ assembly is firmly secure to the valve cover.

2. Insert the PMXPPB3125 ProBushing™ and PMXSSSC125 or tooling bit into an air-powered drill.

3. Open the cap on your ProLube™ and insert the small tooling bit in through the cap, gasket, and retract.

For larger tooling and subsequent machining, use just one drop placed on the end of the ProDrill™ when necessary. AVOID PENETRATING OIL/SPRAY OR OTHER LUBRICANTS.

4. Insert the mounted ProDrill™ into the ProBushing™ first by slowly and manually turning the chuck until the ProDrill™ slips into the bushing and contacts the surface of the damaged bolt. While applying light pressure, activate your drill both on and off in approximately one second intervals for ten seconds. 5. Proceed to drill continuously at the proper RPM as provided below.

5. Remove PMXPPB3125 ProBushing™ (SML) and replace with the PMXPPB3196 (MED) and follow with the PMXSSSC196 ProDrill™ using the same procedure as above.

6. Blow the debris clean. Remove PMXPPB3196 ProBushing™ (LRG) and replace with the PMXPPB3240 ProBushing™ (TAP). Place one drop of ProLube™ drill and tap-cutting lubricant on the PPT006 ProTap™ and proceed to insert the tap into the bushing. Slowly begin to restore the threads by turning the tap clockwise and counter clockwise periodically stopping to blow debris from the tap. DO NOT OVER TORQUE TAP. In the unlikely event a tap fractures, visit [www.promaxxtool.com](http://www.promaxxtool.com) and purchase the ProTap™ extractor kit.

7. Reinstall the ignition coil(s) using the included replacement stainless steel fasteners (ICF006-125) and torque to manufacturers specifications. Visit our website, [www.promaxxtool.com](http://www.promaxxtool.com), for replacement fasteners.

For technical support, visit [www.promaxxtool.com](http://www.promaxxtool.com), or contact us via email at [info@promaxxtool.com](mailto:info@promaxxtool.com) or call 724-941-0941. The tooling included in your kit are precision-machine shop grade quality made in the USA. ProMAXX Kits are engineered as a complete system to ensure complete success and repair of the cylinder head without cylinder head removal. Be sure to specify ProMAXX® machine tooling when replacement is necessary.

## USE ONLY GENUINE PROMAXX® MACHINE-SHOP GRADE PARTS & ACCESSORIES

- REFER TO THE INCLUDED DRILL CHART FOR RECOMMENDED DRILL BIT RPM -

**SAFETY PROCEDURE: ALWAYS USE APPROPRIATE SAFETY EQUIPMENT INCLUDING OSHA APPROVED SAFETY GLASSES/ GOGGLE AND PROTECTIVE GLOVES WHILE USING THIS DEVICE AND PERFORMING THIS OPERATION.**

To order additional tooling, check out the QR code. Simply hover your phone camera over the image and it will connect you to our fast, easy on-line store.

