



'05 & Up V-8 Mustang Pulley Set

INSTALLATION INSTRUCTIONS

!CAUTION!

ALLOW ENGINE TO COOL BEFORE INSTALLATION

Included in this kit: water pump pulley, crank balancer, and installation bolt.

- Step 1** Loosen the four water pump pulley bolts.
- Step 2** Remove the serpentine belt by inserting the head of a 1/2" ratchet into the square hole in the belt tensioner and pushing down (rotating it clockwise) then pulling the belt off of one of the pulleys.
- Step 3** Remove the water pump pulley.
- Step 4** Remove the crank bolt using an 18mm socket on an impact wrench (if your impact wrench is too big you may need to remove the radiator fan to access the bolt straight on).
- Step 5** Remove the washer from the bolt and finger tighten the bolt back into the crank snout.
- Step 6** The stock balancer has three perches cast into it to facilitate use of a 3 prong puller tool. Hook the 3 prongs under the perches and use the bolt head as a pressure point for the 3 prong puller tool. Tighten the drive bolt on the puller tool until the balancer comes off of the crank snout completely.
- Step 7** Inspect crank snout to ensure there are no burrs or rust, if required polish with very fine emery paper or steel wool, wash clean.
- Step 8** Apply a light bead of black RTV to the keyway of the BBK damper then locate the balancer onto the crankshaft lining up the crank snout key into the key-way slot in the balancer.
- Step 9** Place the supplied M-12 x 60mm bolt through the original washer and tighten it to pull the balancer onto the crank snout until the stock bolt can reach. **DO NOT TIGHTEN THE SUPPLIED BOLT ALL THE WAY! IT IS ONLY THERE TO PULL THE BALANCER ONTO THE CRANK SNOUT UNTIL THE ORIGINAL BOLT CAN REACH.** Once the original bolt can be threaded in safely, remove the supplied bolt and place the original bolt through the original washer and tighten it until the balancer is fully engaged on the crank snout.
- Step 10** Follow the Ford torque specs (listed below) to complete the balancer installation.
- Step 1** Torque to 66 lb-ft
 - Step 2** Loosen bolt 1 full turn
 - Step 3** Torque to 37 lb-ft
 - Step 4** Tighten bolt an additional 90°

On automatic transmission cars, you may need to keep the engine from turning while tightening the balancer by removing the inspection cover on the front driver side of the transmission and holding the torque converter with a 14mm wrench.

Step 11 Install the BBK water pump pulley using the original bolts.

Step 12 Reinstall the serpentine belt following the original routing.



Remove the stock bolt.



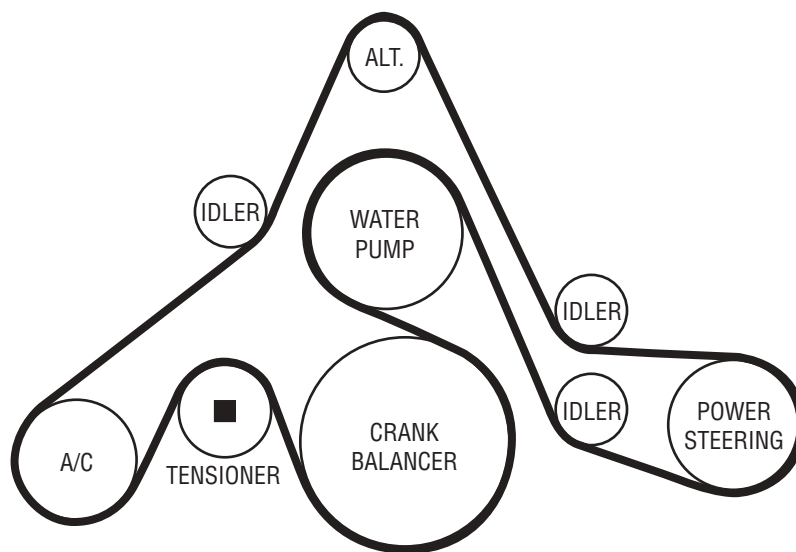
Use a three prong puller.



Supplied bolt vs. stock bolt.



Completed installation.



Belt Routing System

Please visit us at www.BBKPERFORMANCE.com to view a fully photographed installation of this and the many other BBK products available to help maximize the performance potential of your vehicle.