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Ford 2005-07 Mustang Pulleys Installation Instructions (Read Carefully Before Starting Project) P/N GM-UP05

Tools Needed:

**Torque Wrench
Sensor Safe High-Temp Silicone Sealer
Universal three prong puller
Socket Set**

Parts Needed:

New Crank pulley Bolt (Ford part # F5RZ-6A340-B)

1: Verify that your kit has all the parts included. The kit comes complete with a smaller iron crank pulley, an oversized water pump pulley, and the instructions.

2: Remove the air intake, this step isn't required but makes for a much easier installation when you are not fighting the OEM rubber intake tube or a cast CAI tube. I have also found it helpful to remove the electric fan by removing the two 8mm bolts on either side, and unplugging the connector on the passenger side. It then simply slides up and out.

Note: Steps 3 & 4 must be done with the accessory drive belt installed, unless you using an impact wrench.

3: With the car in gear and the hand brake applied, remove the crank pulley retaining bolt.

4: Next, loosen the bolts that hold the water pump pulley to the water pump.

5: Using a half-inch socket driver or breaker bar, apply downward force on the belt tensioner to release the tension on the accessory belt.

6: Maintaining pressure on the tensioner, slide the belt off of one of the pulleys and then remove it from the engine bay.

7: Remove the retainer bolts for the water pump pulley and then remove the pulley from the water pump.

8. Next, Simply place the new water pump pulley onto the pump and thread the bolts hand tight.

9. Leave the water pump pulley as-is until later on.

10: Using a three prong puller or the Ford factory puller, start removing the crank pulley from the crankshaft.

Note: Verify that your three pronged puller or your Ford puller is positioned properly on the crank pulley. This will ensure nothing is damaged during the pulley removal process.

11: Remove the crank pulley from the vehicle.

12: With the vehicles crank pulley removed, you can see the difference in size between the OEM part and the Granatelli Motorsports underdrive kit.

13: Prior to installing the underdrive crank pulley, apply a dab of high temperature silicone sealer (gasket maker) to the key slot on the pulley.

14: Align the key slot of the pulley to the key on the crank shaft and use the old bolt to pull the new pulley into place on the crankshaft.
(You may need to start the pulley onto the crankshaft using a rubber mallet tapping evenly around) Once the pulley is sufficiently on the shaft, remove the old bolt and replace it with the new OEM bolt.

15: Torque the crankshaft pulley bolt to the factory recommended specifications, which for the 2005-2007 Ford Mustang GT is, (From the factory Service manual) ***Tighten crank bolt to 66 lb-ft then loosen 360 degrees, tighten to 37 lb-ft then tighten an additional 90 degrees. Done!***

Important: Always use the factory specifications when tightening the retainer nut. Tightening the pulley incorrectly can cause major damage to your vehicle's engine.

16: Tighten the new water pump pulley. Tighten these bolts to 18 lb-ft of torque.

17: Reinstall the accessory belt, using the factory routing.

18: Reinstall the air intake tube and start the vehicle to ensure that the accessory belt tracks correctly.

19: Your installation is complete.

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