



1996-2004 Mustang Underdrive Pulleys

Contents:

- (3) - Pulleys
- (2) - Spacers
- (3) - Small Bolts
- (1) - Key Way
- (1) - Large Bolt

Tools Needed:

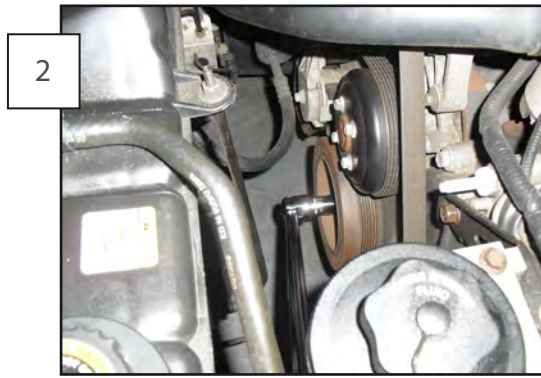
- 15/16" socket
- 3/8" socket extension
- 9/16" socket
- harmonic balancer puller
- 1/2" socket
- 3/8" socket wrench



It is recommended that you have an additional person available to help during this installation, parts can be awkward to hold and support by yourself. Block wheels and set parking brake before beginning work. Ford used different water pump pulleys for the 96-04 4.6L engine. Make sure that the pulley in your kit matches the pulley on your vehicle before starting installation.

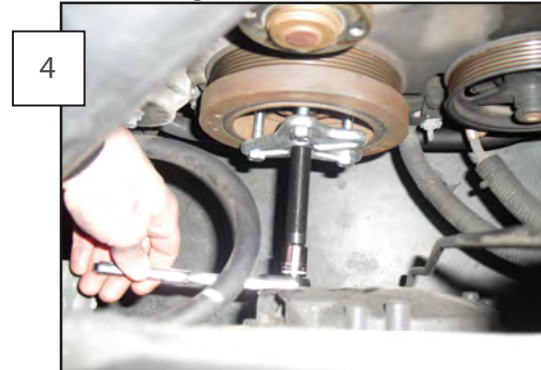


Disconnect battery before starting installation. Loosen alternator pulley with an impact gun and 15/16" socket. Loosen water pump pulley with a ratchet and 10mm socket.



Loosen crankshaft balancer by using a 1/2" drive breaker bar and an 18mm socket. Tip: For manual transmission cars, place car in gear before loosening crank bolt.

For automatic transmission cars, remove transmission inspection cover and wedge a wrench in between the flywheel and bell housing to prevent the engine from turning over.



Once the belt is removed, you can finish removing the alternator and water pump pulleys. Remove the crank pulley bolt and washer. Without the washer, thread the factory crank bolt about halfway back in and use a harmonic balancer puller to remove the factory balancer.

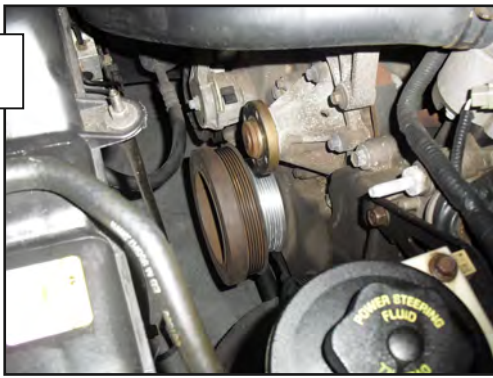


Remove accessory drive belt by using a 3/8" drive ratchet and releasing belt tension with the tensioner.



Place factory balancer over Stack Racing crank pulley. Using supplied 11mm bolts and washers, join the factory balancer and Stack pulley as shown. Tighten three bolts in small increments to carefully draw the two pulleys together. When pulleys are fully seated, back bolts off a full turn and tighten with a torque wrench to 12 ft-lb. If you are having trouble trying to seat the pulleys, placing them in hot water for 10-15 minutes prior to installation.

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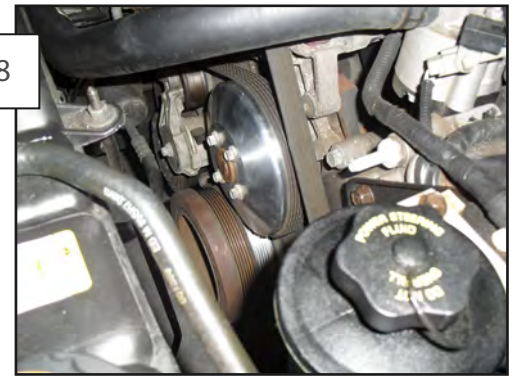
Place high-temp RTV silicone into keyway on pulley assembly and slide onto crankshaft snout as shown. Install new supplied crankshaft bolt with factory washer and tighten to 60 ft-lb. using a torque wrench.

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Using factory nut, install new alternator pulley with an impact gun. Be sure to use the 2 included spacers to align the alternator pulley with the rest of the pulleys. Using factory hardware, install new water pump pulley with a ratchet and 10mm wrench.

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Re-install accessory drive belt and re-connect battery to complete installation. When restarting vehicle, make sure the pulleys are properly aligned and there are no unusual sounds before taking the car for a drive.