

[c o r k s p o r t]

CorkSport 92-97 B Series 1.6l and 1.8l Light Weight Crankshaft Pulley
Install Instructions



Tools and Supplies Required

- 10mm Wrench and Socket 3/8 or 1/4 drive
- 12mm Wrench and Socket 3/8 drive
- 1/4 and/or 3/8 Drive Ratchet
- Inch/pound Torque Wrench
- Safety Glasses
- Factory Service Manual
- Thread Locker (Red)
- Floor Jack and Jack Stands

Contents

- CorkSport Light Weight Crankshaft Pulley
- 7 Page Installation Instructions

Thank you for your purchase. If you have any questions please call Cork Sport at 360 260 CORK

NOTE: A 1990 Mazda Protégé 4wd, equipped with a 1992 1.8l DOHC engine was used for these install instructions. This pulley is designed for use in a vehicle equipped with a “V” style belt driven water pump and alternator. If your vehicle is not equipped with this style of pulley, the water pump and alternator pulley can be changed to the “V” style but are not supplied. Installation should take approximately 1 hour.

NOTE: The following pictures are to show the difference in the early model crank shaft pulley compared to the late model crank shaft pulley. *If you have the early model crank shaft pulley, this product will not fit.*

Early Model Crankshaft Pulley



Late Model Crankshaft Pulley



Thank you for your purchase. If you have any questions please call Cork Sport at 360 260 CORK

WARNING: Follow instructions for your floor jack and jack stands or serious injury may occur.

Step 1: Jack up front of vehicle and place securely on jack stands. Remove right front wheel and tire.

Step 2: Remove 4-6 10mm head bolts from right side fender liner and remove fender liner.

NOTE: Inner fender liner for a 4wd is shown. A FWD vehicle will have more bolts for inner fender liner than shown.



Thank you for your purchase. If you have any questions please call Cork Sport at 360 260 CORK

Step 3: Loosen 14mm head power steering lock down bolt and 14mm head power steering pivot bolt. Loosen 12mm head adjuster bolt until belt can be removed. Remove belt.



Step 4: Loosen 12mm head alternator lock down bolt. Loosen 14mm head alternator pivot bolt. Release tension from belt and remove belt.



Thank you for your purchase. If you have any questions please call Cork Sport at 360 260 CORK

Step 5: Remove four (4) 10mm head bolts from front of crankshaft pulley and remove retainer ring and pulley.



Step 6: Install CorkSport pulley onto crankshaft making sure small hole in pulley lines up with small dowel pin sticking out of crankshaft. Reinstall retainer ring followed by four (4) original 10mm head bolts. Tighten bolts to 65-95in/lbs.

NOTE: First picture has dowel pin circled.



Thank you for your purchase. If you have any questions please call Cork Sport at 360 260 CORK

Step 7: Reinstall water pump/alternator belt onto pulley. Tension belt and tighten the 12mm head lock bolt and 14mm head pivot bolt on the alternator.



Step 8: Reinstall power steering/A/C belt. Tension belt by tightening the 12mm tensioner bolt until proper tension is achieved. Tighten 14mm head lock down bolt and 14mm head pivot bolt.

NOTE: Vehicle used for install instructions is not equipped with A/C. However, the process of installing and tension the belt is the same.



Thank you for your purchase. If you have any questions please call Cork Sport at 360 260 CORK

Step 9: Reinstall inner fender liner with original 10mm head bolts.



Step 10: Reinstall wheel and tire. Remove vehicle from jack stands.

NOTE: Ignition timing should not have been affected by the installation of this pulley. However, it is recommended that the timing is checked after installation to be sure it is correct.

This crank pulley is lighter weight. As a result, your engine will rev-up easier due to the reduction in rotating mass. A slight increase in engine vibration may be noticed. This light weight pulley is not designed as a harmonic balancer.

Thank you for your purchase. If you have any questions please call Cork Sport at 360 260 CORK