

## POWER PULLEY KIT

2004 VOLKSWAGEN R32 3.2L 24Valve - VR6

PART # 62.10.32

### INSTALLATION INSTRUCTIONS

PART LIST:           1 - CRANKSHAFT PULLEY                   1 - PWR. STRG. PUMP PULLEY  
                      1 - CRANKSHAFT PULLEY BOLT

TOOLS REQ:           1 - Ratchet                                   1 - Standard Screw Driver  
                      1 - 27 mm Socket                   1 - Die grinder and rotary file.  
                      1 - 17 mm Socket                   1 - Hammer  
                      1 - 24 mm Wrench (open end)   1 - Chisel  
                      1 - 6 mm Hex Socket               1 - T10069 Counter Holder

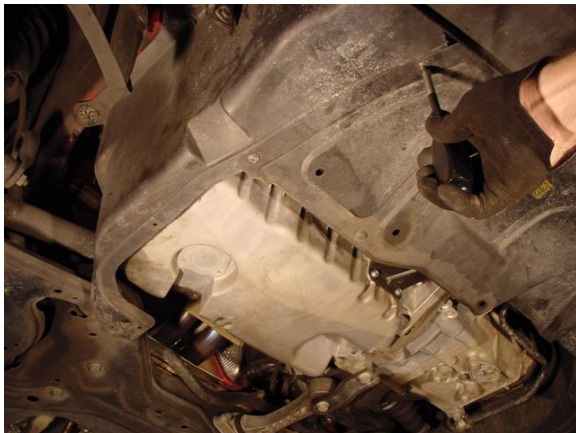
**NOTE: FACTORY TOOLS REQUIRED AND PROFESSIONAL INSTALLATION.**



1. Car hoist required, vehicle not high enough from ground with a jack or jack stands. Loosen lug nuts (17mm hex) on right front wheel. Remove right front wheel.



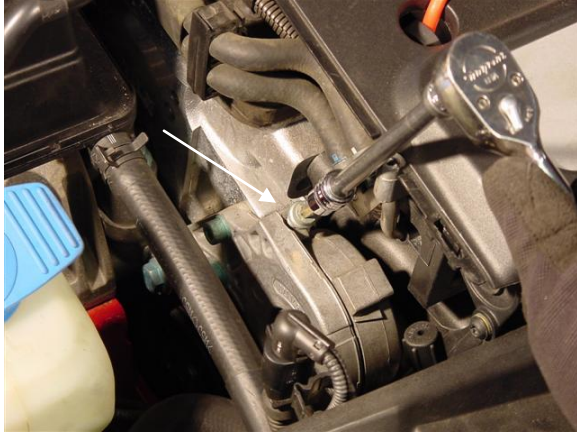
3. Using a 6 mm hex socket, loosen bolts securing power steering pump pulley but do not remove at this time.



2. Remove under-panel and lower right engine cover.



4 Using a large standard screwdriver, remove passenger side engine cover.



5. Remove drive belt by installing a M8 X 1.25 x 80 mm bolt in threaded bore on belt tensioner assembly. Rotate bolt clockwise until belt is loose enough for removal. Mark running direction on belt and remove belt.



8. Using a grinder or file remove 1/4" of material from corner of crank seal housing. Test fit supplied crankshaft pulley and check to see that there is at least 1/8" of clearance between housing and pulley. Continue to remove material until clearance is achieved.



6. Remove bolts securing power steering pump pulley and remove pulley.



9. With a hammer and chisel, carefully remove key from crankshaft pulley. **NOTE:** Do not lose or destroy key, not available separately from VW Parts.



7. Using VW tool Counter Holder (T10069) and 27 mm socket undo and remove bolt securing crankshaft pulley. Now pull off pulley.



10. Remove any burrs from key.



11. Install key in keyway of supplied crankshaft pulley and gently tap into position.



13. Install power steering pump pulley and torque pulley bolts to 20Nm (15ft.-lb.)



12. Position pulley on crankshaft and align key to keyway. Gently press pulley onto shaft. If pulley does not slide on shaft easily, remove and check for burrs or corrosion. If any burrs or corrosion exists, remove as necessary. **Use of excessive force to install the pulley will damage both the pulley and the crankshaft and will void warranty.** Install supplied bolt and torque to 100Nm (74ft.-lb.) plus an additional ¼ turn using VW tool Counter Holder (T10069) and 27 mm socket.



14. Re-install belt in correct running direction and slowly remove M8 bolt from tensioner, making sure belt is correctly seated in pulley grooves.

15. Re-install engine cover and under-panel. Install wheel and lug nuts. Raise vehicle, remove Jack stand then lower vehicle. Torque lug nuts to 110Nm (81 ft.-lb.) for factory wheels or to wheel manufacture specifications.

16. Carefully check complete installation to be sure all fasteners are tight, the belt is correctly seated in grooves of each pulley and that nothing interferes with the pulleys or belt.

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