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Thanks for choosing the finest performance products available today. Your feedback about quality and performance are vital to UR maintaining 100% satisfaction!

E-mail feedback to: info@unorthodoxracing.com

Other UR Products Available For Your Car

- Clutches (4 Stages): Kits include pressure plate, disc, required bearings and an alignment tool.

Installation Instructions

1998-05 Beetle, 1999.5-04 Cabrio & 1999.5-05 Golf, Jetta 1.8T 20V Turbo / 2.0L SOHC 8V

Kit# 041400402 contains crank Part# 021410402, alternator Part# 011430412 & power steering Part# 0114404. Check part numbers match numbers engraved on pulleys. If part numbers or quantity of parts don't match stop and call your dealer or call our tech line.

- **Notice:** *These instructions are not a replacement for factory manual; factory specified tools maybe required for removal of original parts.*
- Raise hood and remove windshield washer tank for easy access to alternator pulley.
- Loosen passenger side front wheel then raise front passenger side front of car and secure with a jack stand.
- Remove plastic shroud and metal intercooler pipe (some models) to access crank and power steering pulleys.
- Loosen alternator pulley bolt but do not remove yet. Some models have a pressed on pulley (plastic cover over front of pulley) and require a special tool from VW to remove, removal is worth the effort as pulley is very heavy and wastes power.
- Loosen 4 crank pulley bolts but do not remove yet, **do not loosen large center crank bolt.**
- Loosen 3 power steering pulley bolts but do not remove yet then loosen belt with a 15MM wrench on tensioner and remove belt.
- Remove crank, alternator and power steering and pulleys. Check for any corrosion on pulley mounting shafts and or surfaces, clean with emery cloth to remove any corrosion to allow for complete flush. Make sure crank snout edge has no burrs, if none are present pulley will slip on and seat properly. **Do not force pulley onto crank as damage to both will occur voiding warranty.** If pulley is tight clean snout with emery cloth until pulley slides on.
- Install new crankshaft, alternator and power steering pulleys, lightly coat inner bore and rear surfaces of pulleys with anti-seize compound.
- Tighten all bolts hand tight to make sure pulleys have seated properly then tighten all pulley bolts fully (see torque specification below).
- Install new belt (see size below) then re-install remaining components in reverse order then raise car and remove jack stands and lower car.
- Maximum HP gains will occur in 5-7 days of installation, once computer recalibrates to take advantage of engines lighter rotational weight.

Crankshaft and Power Steering Pulley Bolts Torque Specification

- 15 - 20 ft- lbs. / 180-240 in-lbs. / 20-27 NM.

New Belt Size (UR sells Gates belts at www.unorthodoxracing.com. Belt sizes used may vary slightly. Belt sizes can vary from belt manufacturer to belt manufacturer)

- With Air Conditioning – Gates DK060472.

Belts must be changed every two years because belt rubber may harden enough to cause damage to the pulley/s.
Keep your belt purchase receipts as they are required for any warranty claims sent to UR.

Tech Support Call 631-586-9525
(M - F 11 AM to 5 PM EST)

THE UR PLEDGE

Unorthodox Racing, Inc. ("UR") warrants the quality of its pulleys and cam gears for five (5) years (black hard coated surfaces are warranted for one (1) year from date of purchase – UR recommends against the use of high performance belts as they cut through the black hard coat). UR warrants all stages of clutches for six (6) months from date of purchase to be free of defects in material and workmanship. This limited warranty is extended only to the individual purchaser who has purchased the product from an authorized reseller or UR direct and may not be transferred or assigned. A list of authorized resellers is available on our web site or can be obtained by calling our main offices. **UR PARTS USED IN COMPETITION OF ANY KIND, SANCTIONED OR UNSANCTIONED, ARE SOLD "AS IS" WITHOUT ANY WARRANTY WHATSOEVER.** Any modifications to the product/s voids any and all warranties. Before installation, check new car warranty as UR is not responsible for voiding the original car manufacturer warranty. All warranty claims must be sent to UR, if purchased direct or from an authorized reseller, you must return the product and sales receipt, at your own expense, accompanied by a letter stating the reason for the claim. **PLEASE REFER TO THE PARAGRAPH BELOW FOR THE PROPER RETURN PROCEDURES.** Any claims must be received within the periods stated above from the date of purchase. If all the above procedures are followed, and the product is found to be defective in either material or workmanship, UR shall either repair or replace the product, at its sole discretion, and at its sole cost. This limited warranty does not cover or apply to any personal injury, labor charges, or any other incidental costs or damages caused by the defective product. **THIS LIMITED WARRANTY IS THE ONLY EXPRESS WARRANTY, WHICH APPLIES TO UR PRODUCTS AND IS EXPRESSLY GIVEN IN LIEU OF ANY OTHER WARRANTY EXPRESSED OR IMPLIED, INCLUDING THAT OF MERCHANTABILITY. ANY IMPLIED WARRANTY INCLUDING THAT OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE IS HEREBY LIMITED BY THE SAME TERMS AND TIME LIMITATIONS SET FORTH IN THIS LIMITED EXPRESS WARRANTY AND OTHERWISE EXCLUDED.** You may have rights under either state or federal law, including laws governing warranties, which you should consult. EXCEPT FOR THOSE OBLIGATIONS ASSUMED HEREIN, UR ASSUMES NO OTHER OBLIGATIONS IN CONNECTION WITH THE SALE OF ITS PRODUCTS.

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