



THE STANDARD IN ENGINEERING EXCELLENCE



11 Brandywine Dr, Deer Park, NY 11729 - Ph: (631) 586-9525 Fx: (631) 586-2599 Em: info@unorthodoxracing.com

Thank you and congratulations on your purchase of the finest performance products available today.

We appreciate your feedback, good or bad, about the quality and performance of this product.

Our goal is 100% customer satisfaction and your feedback is very important in achieving this goal!

- This pulley kit Part# 020310502 contains a crank pulley: underdrive stock belt layout (Ultra S) Part# 0203105, polished finish only. Check that the part number matches the number engraved on the back of the pulley. If the part numbers or quantity of parts do not match, do not install them and call the dealer you purchased the parts from or call our tech line direct.

Other Fine Unorthodox Racing Products Available For Your Vehicle

- Aluminum flywheel (Ultra L) Part# 06.03.105.00.
- Performance clutch kits (Ultra G) available for all models, kits include pressure plate, disc, required bearings and an alignment tool.
 - Full faced Kevlar disc holds 30% more power than the stock clutch (Solid or sprung hub disc). (Street Sport) For stock to slightly modified cars.
 - Windowed Kevlar disc holds 45% more power than the stock clutch (Solid or sprung hub disc). (Sport Mod) For slightly to moderately modified cars.
 - Four or Six (6) paddle Ceramic disc holds 80% or Feramic discs holds 110% more power than the stock clutch (Solid or sprung hub disc). Ceramic (Sport Pro) for moderately to heavily modified cars and Feramic (Race Pro) is designed for heavily to race modified cars.

Installation Instructions

1995-02 Ford Contour (incl. SVT), Mercury Cougar, Mercury Mystique & 2003-04 Mazda 6

- **Notice:** These instructions are not a replacement for the factory manual; factory specified tools maybe required for removal of the original parts.
- Loosen the lug nuts on the passenger side front wheel.
- Raise the front passenger side of vehicle and secure with a jack/safety stand.
- Remove the passenger side wheel and the plastic wheel well shroud.
- Loosen the crankshaft pulley bolt, but do not remove yet.
 - Manual Transmission - Have helper put car into 5th gear, hold the brake pedal firmly, the bolt is very tight and will require significant force to loosen.
 - Automatic Transmission - Follow the crank pulley removal procedure/s specified in the factory manual.
- Loosen the accessory belt with auto tensioner and remove the belt.
- Remove the original crankshaft pulley (key in the original crank pulley must be removed and cleaned free of silicon sealer. Key must be reinstalled in the lightened underdrive crank pulley with silicon sealant all around it to prevent oil leakage past the key).
- **The underdrive crank pulley must have a steel sleeve on rear of pulley that engine oil seal rides, otherwise do not install underdrive crank pulley as a major oil leak or serious engine damage could occur.**
- Install the Unorthodox Racing lightened underdrive pulley, slightly coat the inner bore of the new pulley with anti-seize compound. **Make sure not to mix anti-seize compound with sealant for crank pulley key.** Tighten crank pulley bolt hand tight but do not torque yet. Make sure that the crank snout edge has no burrs, if no burrs are present pulley will slip on easily and seat properly. **Do not force pulley onto crank shaft as damage to both will occur voiding the warranty.** In the rare case that a pulley is tight clean crank snout (as they can get slightly rusty) with emery cloth until pulley slides on as stated.
- Install the new accessory belt, see the necessary new belt size below.
- Reverse the unbolting of crankshaft pulley procedure for bolt re-torquing, see the bolt torque specifications below.
- Re-install the remaining components in reverse orders.
- Auto tensioner will properly tighten belts to factory specifications.
- The maximum HP gains will occur in 5-7 days of installation, once the computer recalibrates to take advantage of the engines lighter rotational weight.

Crankshaft Pulley Bolt Torque Specification (Done in four (4) steps)

- **Step 1:** 77 ft-lbs. / 924 in-lbs. / 120 NM **Step 2:** Back off one full turn **Step 3:** 32 ft-lbs. / 384 in-lbs. / 50 NM **Step 4:** 90 degrees

New Belt Size (The belt sizes used may vary slightly. We recommend the use of Gates brand belts, belt sizing varies slightly among belt manufacturers)

- Air Conditioning, Alternator, P/S and W/P Belt: Contour / Cougar / Mystique use Gates K060703 (70.75 inches or 1795MM)

Mazda 6 use Gates K060810 (81 5/8 inches or 2075 MM)

* If a different size belt/s work better on your vehicle please let us know the manufacturer and size of each belt/s used.
You can contact us by phone or e-mail through our web page. Thank You!

For technical assistance please contact our technical support line at 631-586-9525 ext. 12
(Monday-Friday 10AM to 6PM EST)

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THE UNORTHODOX PLEDGE

Unorthodox Racing, Inc. warrants the quality of the products it designs and manufactures to be free of defects in material and workmanship for one year from date of purchase for pulleys, cam gears and aluminum flywheels and 90 days from date of purchase for all stages of clutches. This limited warranty is extended only to the individual purchaser who has purchased our product from an authorized reseller 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. This limited warranty applies to any product, which, after careful inspection by Unorthodox Racing Inc., after receipt of the product/s from our authorized reseller, is found to have a defect in either material or workmanship. **UNORTHODOX RACING, INC. PARTS, USED IN COMPETITION OF ANY KIND, SANCTIONED OR UNSANCTIONED, ARE SOLD "AS IS" WITHOUT ANY WARRANTY WHATSOEVER.** Any modifications to the pulley/pulleys will void any and all warranties and will not be exchanged. Before installation, check new car warranty. Unorthodox Racing, Inc. is not responsible for voiding any original manufacturer warranty. All warranty claims must be returned to Unorthodox Racing or your 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 for pulleys, cam gears or flywheels must be received no later than one year after the date of purchase. Any claims for clutches must be received no later than 90 days 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, Unorthodox Racing, Inc. 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 UNORTHODOX RACING 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, UNORTHODOX RACING, INC. ASSUMES NO OTHER OBLIGATIONS IN CONNECTION WITH THE SALE OF ITS PRODUCTS.

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PLEASE CALL IF YOU HAVE ANY QUESTIONS OR DO NOT UNDERSTAND THIS WARNING! Refer to our catalog for other terms and conditions. We appreciate your business. The purpose of this warning is to avoid any problems or hard feelings. We will bend over backwards to help you.

www.unorthodoxracing.com