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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

- Accessory pulleys: Alternator- Part# 011230712 <> Power steering- Part# 011240712 <> Water Pump Part# 011251712
- Crank pulley: Part# 021210702.
- Pulley sets: Part# 041201702.
- Clutches (4 Stages): Kits include pressure plate, disc, required bearings and an alignment tool.

Installation Instructions

2000-05 IS300

Kit# 051201702 contains 2 x Part# 0512207 and 2 x Part# 0512107. Gears include 5 bolts and 5 washers. Check part numbers match numbers engraved on gears. If part numbers or quantity of parts don't match stop and call dealer you purchased from 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.*
- Open hood then loosen & remove upper timing belt cover to access cam gears.
- Make sure crank is lined up perfectly with TDC mark, via timing mark on crank pulley and marks on timing cover.
- Remove any components which are in way of lower timing cover belt cover and then remove lower cover.
- Loosen cam gear bolts; a bar can be inserted into gears to hold from turning. Make sure crank and cam gears do not move because TDC position must be maintained perfectly throughout installation process.
- Loosen timing belt tensioner then remove timing belt and cam gears, make sure cams do not turn and are still in TDC position.
- Make sure cam snout edges have no burrs, if none are present gears will slip on easily and seat properly. **Don't force gears onto cams, as damage to both will occur voiding warranty.** If gear is tight clean snout with emery cloth until gears slide on.
- Install cam gears; lightly coat inner bore and rear surface of gears with anti-seize compound and tighten cam gear bolts (see torque specification below).
- Set timing belt tensioner as necessary following factory manuals specified procedure and re-install remaining components in reverse order.
- Cam gear setting of 2-3 retard on exhaust cam gives best performance results. This setting offers the most improvement throughout power band. Fine tuning adjustments should be done in ½ to 1 degree increments until desired performance is achieved. We highly recommend fine tuning of adjustable cam gears on a chassis dyno. Additional mods may require re-tuning of cam gears.

MAKE ADJUSTMENTS CAREFULLY IN INCREMENTS OF 1 (ONE) DEGREE OR LESS. THIS IS AN INTERFERENCE MOTOR. OVER ADJUSTMENT, ADVANCE OR RETARD, WILL CAUSE VALVE TO PISTON CONTACT CAUSING MAJOR ENGINE DAMAGE.

Torque Specification for Five (5) Adjustable Cam Gear Fasteners (ALLEN HEAD BOLTS ONLY **)**

- 7 ft-lbs / 84 in-lbs / 9.5 NM *** OVER TIGHTENING WILL RESULT IN STRIPPED THREADS VOIDING WARRANTY.**

Cam Gear to Camshaft Bolts Torque Specifications (NOT THE ALLEN HEAD BOLTS **)**

- 59 ft-lbs. / 708 in-lbs. / 80 NM

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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