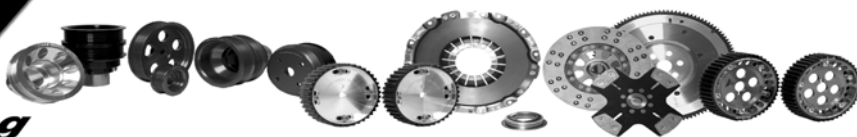


Unorthodox



THE STANDARD IN ENGINEERING EXCELLENCE



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

Notice: These installation instructions are not a replacement for the factory manual; some factory specified tools may be required for removal of the original parts.

For technical assistance before, during or after installation please feel free to contact our technical support line at 631-586-9525 ext. 12 (Monday-Friday 10AM to 6PM EST)

Installation Instructions

Ultra S – 1990-96 Nissan 300ZX 3.0L DOHC 24V NA / Twin Turbo

- ***This Ultra S kit contains underdrive crank pulley Part# 0210106. Check the part in the box to make sure that the first seven (7) digits of the part number purchased matches the part number engraved on the back of the pulley. If the part numbers or quantities of parts do not match, do not install the pulley and call the dealer you purchased the parts from or call our tech line direct.***
- Open the hood to gain access to the engine compartment.
- Raise the vehicle and place jack / safety stands on passenger and driver side frame rails for access underneath the vehicle.
- Remove the under body engine compartment shroud.
- Unbolt and remove the fan from the water pump, leave the fan inside the fan shroud assembly. Re-install the water pump pulley nuts to hold the pulley in place so that it maintains its tension
- Loosen the alternator and water pump belt and remove.
- Loosen the crankshaft pulley bolt but do not remove yet.
 - **Manual Transmission:** Have helper put car in 5th gear and hold the brake pedal firmly, the bolt is very tight and will require significant force to loosen. A 3/4" impact gun is the easiest method of removal.
 - **Automatic transmission:** Follow the crank pulley removal procedure/s specified in the factory manual.
- Loosen a/c idler pulley nut then loosen a/c belt and remove.
- Loosen and remove all the accessory belts then remove the original crankshaft pulley.
- Install the new underdrive crankshaft pulley; lightly coat the inner bore of the new pulley with anti-seize compound and tighten the crankshaft pulley bolt, see the torque specification below. 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 crankshaft, 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.
- Re-install the original water pump pulley with the factory belt fan.
- Install the new accessory belts in the reverse order, see the necessary new belt sizes below.
- Tighten the new accessory belts to factory tension specifications.
- Re-install all the remaining components in the reverse order.
- Raise the car and remove jack / safety stands and lower the car back down.
- The maximum HP gains from the pulley/s can be expected within 5-7 days of driving, once the computer has recalibrated fully and taken advantage of the engines lighter rotational weight.

Crankshaft Pulley Bolt Torque Specification

• 159-173 ft-lbs. / 1908-2076 in-lbs. / 215-234 NM

New Belts Sizes (The belt sizes used may vary slightly. We recommend the use of Gates Brand belts, belt sizing varies slightly among belt manufacturers)

- Alternator and Water Pump Belt: 1990-96 Gates K040390 (39 5/8" or 1005MM).
 - Air Conditioning Belt: 1990-96 Gates K040365 (37 1/8" or 945MM).
 - P/S Belt: 1990-93 TT use Gates K040355 (36 1/8" or 920MM).
1990-96 NA and 1994-96 TT Use Gates K030350 (35 5/8" or 905MM), alternate size K030340 (34 5/8" or 880MM).
- * 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!

Other Fine Unorthodox Racing Products Available For These Vehicles

- Ultra A alternator pulley Part# 01.10.306.0_ for 1990-93 NA Models Only.
- Ultra A alternator pulley Part# 01.10.316.0_ for 1990-93 TT Models Only.
- Ultra A alternator pulley Part# 01.10.326.0_ for 1994-96 NA Models Only.
- Ultra A alternator pulley Part# 01.10.336.0_ for 1994-96 TT Models Only.
- Ultra A power steering pulley Part# 01.10.406.0_ for 1990-93 TT Models Only.
- Ultra A power steering pulley Part# 01.10.416.0_ for 1990-96 NA & 1994-96 TT Models.
- Ultra A water pump pulley Part# 01.10.506.0_ All Models.
- Ultra L aluminum flywheel Part# 06.10.106.00 for NA Models Only.
- Ultra L aluminum flywheel Part# 06.10.116.00 for TT Models Only.
- Ultra G Stage 1 & 2 clutch kits available for all models, kits include pressure plate, disc, pilot & throw-out bearing and alignment tool.
 - Stage 1 KR kit with full faced Kevlar disc holds 20-40% more power than the stock clutch.
 - Designed for stock to mildly modified cars with nitrous and limited track use.
 - Stage 1 KWR kit with windowed Kevlar disc holds 40-60% more power than the stock clutch.
 - Designed for mildly modified cars with up to 50HP shot of nitrous and some track use.
 - Stage 2 R6 kit with six (6) puck disc holds 60-80% more power than the stock clutch.
 - Designed for mild - highly modified cars with up to 100HP shot of nitrous and track use.
 - Stage 2 R4 kit with four (4) puck disc holds 80-100% more power than the stock clutch.
 - Designed for highly modified cars with up to 200HP shot of nitrous and major track use.

* We offer a sprung hub option for all of our Stage 1 & 2 clutch kits, for sprung just replace the R with an S.

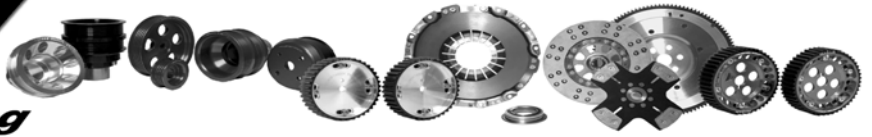
We appreciate your comments, good or bad, about our products performance. Our goal is 100% customer satisfaction and your feedback is very important in achieving this goal!

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