

PROCAR INNOVATIONS
TRAILING ARM SPHERICAL BEARING KIT
PRODUCT INFORMATION AND INSTALATION INSTRUCTIONS

PRODUCT FACTS

COMPANY: PCI (Procar Innovations)

PRODUCT: Rear Trailing arm offset spherical bearing kit

MATERIAL: The bearing housings are cnc machined from 6061 aluminum, and anodized. The shafts are cnc machined from 1018 steel with bronze sleeve, and black zinc plated.

MAINTENANCE:

When this product is first installed the supplied grease should be used, this will ease the break in. This Product should make very little to no noise, if over time noise should ever become excessive clean shaft and re grease. Check for excessive play between the bronze bushing and the bearing. Testing has shown less than .001 wear over 100,000 miles. Both bronze bushing and spherical bearings can be replaced and are standard off the shelf items. These can be purchased from the manufacture or industrial supplier.

THANK YOU FOR YOUR PURCHASE OF PCI'S LATEST VERSION TRAILING ARM SHPERICAL BEARING KIT. OUR LATEST VERSION NOW ALLOWS YOU TO ADJUST BUMP STEER WITH AN OFFSET HOUSING AND SHAFT, BY CORRECTING THE ANGLE OF THE TOW LINK ON **LOWERED CARS.**

- ❑ FIRST, THE REAR OF THE CAR WILL NEED TO BE LIFTED. IF YOU HAVE ACCESS TO A HYDRAULIC LIFT THIS WILL MAKE THE INSTALLATION MUCH EASIER.
- ❑ USING A 17MM SOCKET, REMOVE THE 4 BOLTS OF THE FACTORY TRAILING ARM BUSHINGS.
- ❑ THE TRAILING ARM CAN NOW BE PULLED DOWN TO REMOVE THE FACTORY BUSHINGS. IF THE ARM NEEDS TO BE PULLED DOWN MORE YOU CAN DISCONNECT THE REAR CONTROL ARM OR TOE LINK. IF THE TOE LINK IS DISCONNECTED, ONLY REMOVE THE BOLT WHERE THE TOW LINK CONNECTS TO THE TRAILING ARM.
- ❑ THE OEM BUSHING CAN BE REMOVED WITH A HAMMER. IT CAN ONLY BE REMOVED BY HITTING THE BUSHING FROM THE INNER SIDE OF THE TRAILING ARM, HITTING THE LIP OF THE BUSHING WHERE IT'S STICKING THROUGH THE INSIDE OF THE TRAILING ARM. THE BUSHING WILL COME RIGHT OUT.
- ❑ WHEN INSTALLING THE SPHERICAL BEARING KIT, INSTALL THE ALUMINUM BEARING HOUSING FROM THE INSIDE OF THE TRAILING ARM, **THE ARROW MUST POINT UP.** THE STEEL PLATE WILL GO ON THE OUTSIDE OF THE TRAILING ARM. INSTALL THE TWO 5/16" 24 X 2" BOLTS AND LOCK NUTS. TIGHTEN DOWN TO SECURE THE HOUSING TO THE TRAILING ARM.
- ❑ USE THE SUPPLIED GREASE AND APPLY TO THE SHAFTS BEARINGS, THIS WILL EASE THE BRAKE IN.
- ❑ WHEN INSERTING THE OFFSET SHAFT, **THE NARROW END** OF THE SHAFT SHOULD POINT TOWARDS THE OUTSIDE OF THE CAR. **THE LARGER** SURFACE ON THE OFFSET SHAFT ENDS SHOULD BE AGAINST THE BODY.

- ❑ MAXIMUM OFFSET SHOULD BE USED TO ELIMINATE ALL BUMP STEER ON LOWERED CARS.
- ❑ IF THE MAX AMOUNT OF OFFSET IS USED YOU MUST CLEARANCE THE BODY WHERE THE TRAILING ARM COMES IN CONTACT JUST ABOVE THE BEARING. THERE IS ONLY A VERY SMALL AMOUNT OF CLEARANCING NEEDED.
- ❑ TOW ALIGNMENT MAY BE REQUIRED.
- ❑ THE INSTALLATION IS NOW COMPLETE
- ❑ IF REPLACEMENT IS REQUIRED, THE BEARINGS AND SHAFT SLEEVES ARE EASY TO REPLACE AND ARE AVAILABLE THROUGH THE MANUFACTURE.
- ❑ FOR ANY FUTHER INFORMATION REGARDING THIS PRODUCT, OR REPLACEMENT PARTS, PLEASE CONTACT THE MANUFACTURE.

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LIMITED WARRANTY: This warranty covers any defects in materials or workmanship in your Pci Rear Trailing Arm Spherical Bearing kit. It does not cover Damage to the bearing kit due to abuse, misuse, modification or excessive force being applied to the bearing. (Such as crashing your automobile.) Or consequential and incidental damage (Such as excessive tire wear caused by misalignment.) Pci will replace any defective parts .at no charge, but will not be responsible for the installation costs of any such parts. ***For off road use only***