



PI-310 • 10/04

*Dedicated to improving vehicle fun, safety & performance*

# Installation Instructions

*Thank you for purchasing our polyurethane bushings. Please read through these instructions before installation.*

## Rear Polyurethane Bushings for 240 (1975-93)

**ipd** #1229165P, #1229714P,  
#1272603P, #1273622P, 8K0060



## INTRODUCTION

This is a Skill Level 3 job. The following is an overview of the basic tools and techniques used to remove and replace the factory rubber bushings in the rear of the 200 series with **ipd** polyurethane bushings. Be sure to properly support the vehicle and use proper safety equipment while performing this job. Be advised that the outer diameter of impact sockets of the same size will vary slightly from manufacturer to manufacturer.

## SUGGESTED TOOLS

- Trailing rod bushing tool (ipd Part #T078 - Rental)
- Jack stands
- Listed pipe sizes
- Impact sockets
- Floor jack

## SAFETY WARNINGS

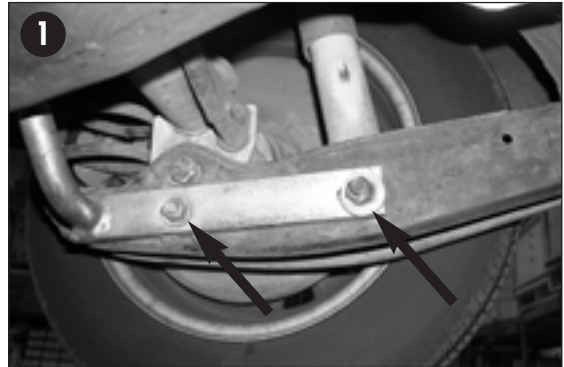


- Always support the vehicle with jack stands before working underneath
- Use only the parts supplied by **ipd** to install this kit
- Check ALL the fasteners for tightness before and after road testing the vehicle
- Do not use air impact wrench when re-installing bolts as stripped threads may result

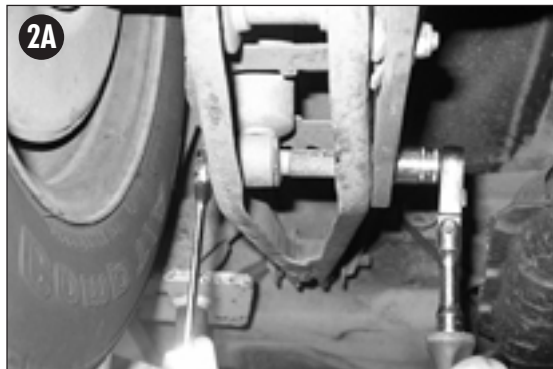
# INSTALLATION

## Removing The Trailing Arm

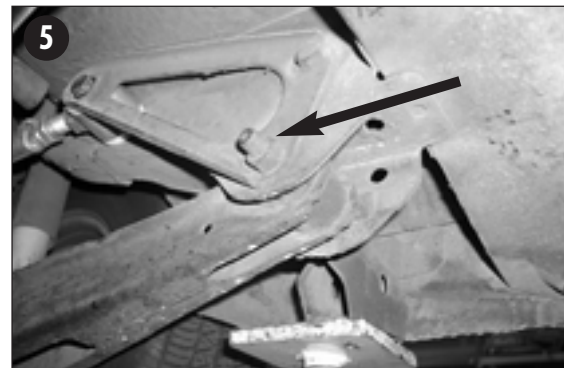
- 1 Start by removing the rear sway bar. Remove the 19mm nut (17mm on some cars) at the rear of the sway bar on each side. Remove the 19mm nut from the front of the rear sway bar on each side. It is a good idea to support the trailing arm before taking the shock bolt out since the shock limits the downward travel of the trailing arm and removing it will allow any remaining spring pressure to act on the trailing arm which may cause it to 'jump' downward.



- 2 Remove the 19mm shock bolt. Be careful to not lose the spacer between the shock and the trailing arm.



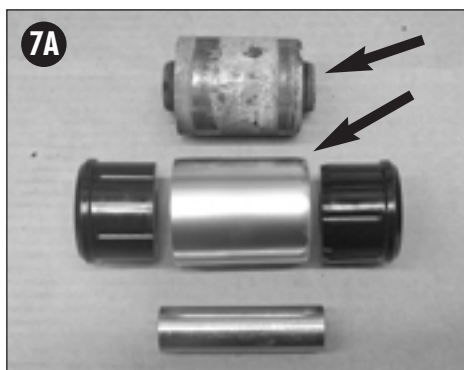
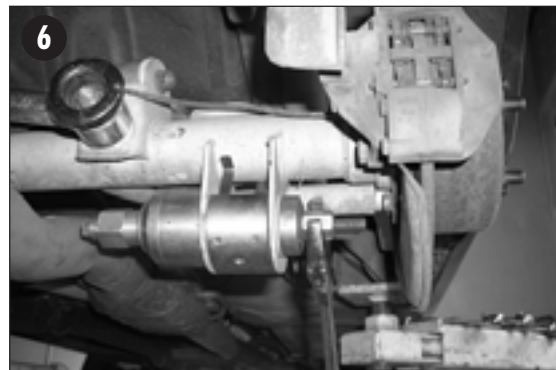
- 3 Remove the 17mm nut from the underside of the spring mount on the rear trailing arm.
- 4 Remove the 22mm bolt and nut holding the axle to the trailing arm. It is a good idea to use a jack stand to support the axle while the trailing arm is removed from the vehicle as this prevents stress on the exhaust if the axle were to hang on it. Allow the trailing arm to pivot downward and remove the spring.
- 5 Remove the 22mm bolt and nut from the front bushing of the rear trailing arm and remove the trailing arm from the vehicle.



# INSTALLATION

## Rear Trailing Arm Bushing

- 6** Using the **ipd** trailing arm bushing tool, remove the bushing located in the drive axle housing.
- 7** Assemble the new bushings using the metal sleeves. The kit includes four bushings (two for each side), two small metal sleeves (one for each side), and two large metal sleeves (one for each side). Two of the bushing ends will be tapered and should fit into the tapered ends of the metal sleeves. These bushings have "ROAD WHEEL" embossed on the face. The bushing without the tapered end should be installed into the non-tapered end of the larger metal sleeve. Once all four bushings are installed into the metal sleeves, apply a moderate amount of the supplied grease to the inside of the bushings and press the small center sleeves into the bushing assembly.



- 8** Press the bushing/sleeve assembly into the drive axle housing ears using the **ipd** trailing arm bushing tool. When installing the metal sleeve/bushing assembly note that it should be started with the tapered end into the housing ears first. The bushing with "ROAD WHEEL" embossed on the face should be facing the wheel for that side.



# INSTALLATION

## Front Trailing Arm Bushing

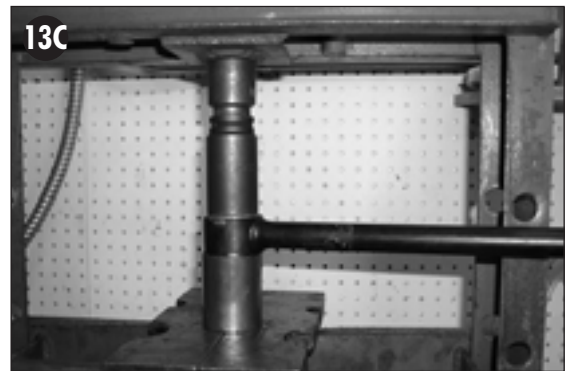
- 9** Use a pipe with 1.60" inner diameter to accept the old bushing and 1 -1/16" socket or 1.50" to 1.60" OD pipe to drive the front bushing from the rear trailing arm.
- 10** Press the new poly bushing into place using a vise.
- 11** Once the front bushing in the trailing arm is installed, apply a moderate amount of the supplied grease to the inside of the bushing and press in the center sleeve.
- 12** Reinstall the rear trailing arm back into the vehicle. The new polyurethane front trailing arm bushing will appear to be too wide to fit back into position and will seem to interfere with the welded tabs, however, simply push the bushing up into place. This will be fine and will not damage or compromise its function. Install the 22mm bolt and nut. Pivot the trailing arm upward and install the spring back into place. Install the 22mm bolt and nut into the rear trailing arm and bushing. Reinstall the lower spring mount and 17mm nut. Reinstall the shock bolt through the trailing arm, shock and spacer. Reinstall the sway bar and tighten the front and rear bolts on each side.



# INSTALLATION

## Rear Torque Rod Bushing

- 13** Remove the rear torque rods one at a time by removing the 19mm bolt at the front of the torque rod and the 19mm bolt and nut at the rear of the torque rod. Press out the old bushings on either end using a 1-3/8" socket or a 1-3/4" outside diameter pipe. Use a 2" inner diameter pipe to accept the old bushing.



- 14** Press in the new poly bushings using a vise. Once both bushings are installed, apply a moderate amount of the supplied grease to the inside of the bushing and press the center sleeve into place.



- 15** Reinstall the first torque rod and proceed to the next one. Repeat the same procedure.

# INSTALLATION

## Panhard Rod Bushing

**\*Note that the panhard uses two different size bushings at each end, be sure to match up the new bushings with the old to ensure correct replacement.**



- 16** Remove the 19mm nut from the passenger side of the panhard rod and the 19mm bolt and nut from the driver side of the panhard rod. Remove the panhard rod from the vehicle. Use a 1-1/16 " socket or a 1-1/2" pipe to press the old bushings out. Use a pipe with a 2" inner diameter to accept the old bushings.



- 17** Press the new poly bushing into place using a vise.

- 18** Once both new poly bushings are installed, apply a moderate amount of the supplied grease to the inside of the bushing and press the center sleeves into place.



- 19** Reinstall the panhard rod back into the vehicle.

# WARRANTY

## ***One Year Limited Warranty***

**ipd** warrants to the original purchaser that the parts manufactured and/or sold by **ipd** (the Product) is free from defects in material and workmanship under normal use. **ipd** warrants that the Product will perform substantially in accordance with the specifications set forth in the documentation provided with it. The above express warranties are made for a period of the lesser of 12,000 miles or 12 months from the date the Product is installed in your vehicle.

Any improper use, operation beyond capacity, substitution of parts not approved by **ipd** in writing, any alteration or repair by others, or any removal, defacing or altering of the identification shall void this warranty. There is no warranty on high-performance or race related parts due to the nature of usage.

The purchaser shall notify **ipd** at 1-800-444-6473 of any defect within the warranty period no later than thirty (30) days after purchaser discovers the defect. Should any failure to conform to this warranty appear within the warranty period, **ipd** shall, on notification, correct the nonconformity at its option, either by repairing any defective part, or by making available, FOB **ipd's** plant, a repaired or replacement part. The purchaser must insure any defective item being returned because **ipd** does not assume risk of loss or damage while in transit. No payment or reimbursement shall be made for installation, removal, transportation or other charges. The remedies set forth in this instrument are exclusive, and the liability of **ipd** with respect to any sale shall not exceed the price of the product on which the liability is based.

EXCEPT AS STATED OTHERWISE IN THIS WARRANTY, **ipd** MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. **ipd** shall not in any case be liable for special, incidental, consequential, indirect, or other similar damages arising from any breach of these warranties even if **ipd** or its agent has been advised of the possibility of such damages. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

This warranty is governed by the laws of the State of Oregon.