Rubber Trailing Arm Bushings - Installation Instructions

Part #2290002

Cars applicable:
All 914

Parts list:

Qty	Description
4	Rubber bushings
2	Pivot shaft
1	Pilot tool
1	Stop tool

Additional items needed and not included:

Liquid soap
Pipe clamp or shop press

Introduction –

Rubber trailing arm bushings provide an OEM spec replacement for the 914. This kit restores OEM ride quality and handling.

The kit includes new pivot shafts and specialized tools to facilitate installation by the home mechanic.

Figure 1

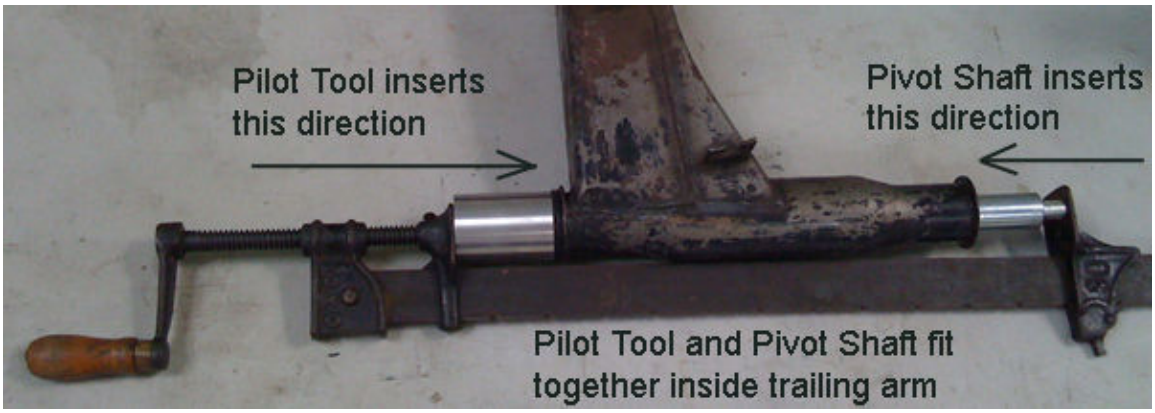
Step-by-Step Installation -

1 – Before beginning, familiarize yourself with the general approach of installation by reading and understanding all the steps.

Observe that the Pivot Shaft fits neatly into the Pilot Tool. You will be pressing the Pivot Shaft into the first bushing, and the Pilot Tool into the secong bushing. The Pivot Shaft and Pilot Tool will join together inside the trailing arm, forming one continuous shaft.

Once the Pivot Shaft and Pilot Tool are joined inside the trailing arm, a pipe clamp (or shop press) is used to press the Pivot Shaft into the second bushing. The Pilot Tool is thereby pressed out of the second bushing.

The Stop tool acts to hold the second bushing in place during the pressing.



2 – Remove the rubber bushings and pivot shafts.

With trailing arms removed from car, use a hydraulic press to press out the pivot shafts. It can be helpful to heat the metal contacting the rubber bushings before pressing, this makes the bushings come out easier.

If a press is not available, secure trailing arm in a bench vise. Being careful to avoid damaging the trailing arm, drill out the rubber bushings. After drilling away much of the bushing material, the shaft can be easily removed.

Clean residual rubber or grease from the ID of the trailing arm.

3 – Install the bushings.

Working on one trailing arm at a time, install the rubber bushings.

Generously apply liquid soap to bushings both inside and outside, and the inside of the trailing arm where the bushing fits.

Press the bushings in with hand pressure until the flange is fully seated. If required, use the pipe clamp to get them to fully seat. Install both bushings in the trailing arm.

4 – Insert Pilot Tool into the second bushing (figure 1).

Apply liquid soap to the pilot tool OD.

Use a pipe clamp or shop press to insert the pilot tool into the second rubber bushings, leaving about .5 inches of the pilot tool exposed.

5 – Install pivot shaft.

Lubricate pivot shaft with liquid soap. Be sure to generously lubricate the entire length of the shaft.

Start the pivot shaft into the first bushing(figure 1) with hand pressure.

Fit the Stop Tool over the Pilot Tool, abutting the rubber bushing.

Use the pipe clamp as shown to press the pivot shaft into the bushings, and using the Stop Tool as a backstop on the second bushing. Be sure the pivot shaft is aligned properly to fit into the Pilot Tool when they meet.

Continue pressing until the pivot shaft is properly seated in the bushings. The Pilot Tool will be pressed out of the second bushing by the pivot shaft.

6 – Repeat procedure for the other trailing arm.

This page intentionally left blank.