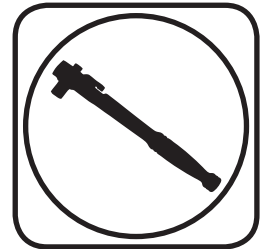




**Part # 11227299** - GM A-Body & G-Body Differential R-Joint Bushing Removal/Installation

### Recommended Tools



## GM A-Body & G-Body Differential R-Joint Bushing Removal/Installation

# Installation Instructions

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New R-Joints will be quite stiff (75-90 in/lbs breakaway torque) until they “break in” after a few miles of use. After the break in period they will move much more freely. Because the composite bearing race contains self lubricating ingredients, no additional lubrication is needed or desired. Any additional lubrication will only serve to attract more dirt and debris to the R-Joint and actually shorten its life.





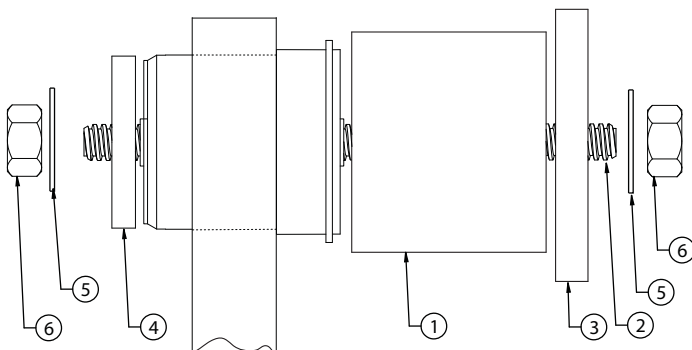
### Major Components .....In the box

Part #	Description	QTY
<b>R-Joint Housing Components</b>		
90002868	R-Joint Bushing Housing	2
70013776	Housing Snap Ring	2
70013784	R-Joint Spacers	4
<b>R-Joint Components Installed In Housing</b>		
70013275	R-Joint Center Ball	2
70013276	R-Joint Composite Center Ball Cage	2
70013279	Retaining Ring	2
70013280	Wavo Wave Spring	2
<b>Bushing Removal &amp; Installation Tool Components</b>		
90002560	1.875" ID x 1.00" Long Sleeve	1
90002880	1.825" OD Washer	1
90002566	2.625" OD Washer	1
90002559	2.375" ID x 2.375" Long Sleeve	1
99505003	1/2"-10 x 8" ACME Threaded Rod	1
99502013	1/2"-10 ACME Hex Nut	2
99503003	1/2" Flat Washer	2

### Getting Started.....

This kit is designed to aid in the removal of the OEM bushings and installation of the Delrin R-Joint Axle Housing Bushing. This guide will show you how the kit is to be used. It is important to not get the bushings crooked on installation.

**2.**

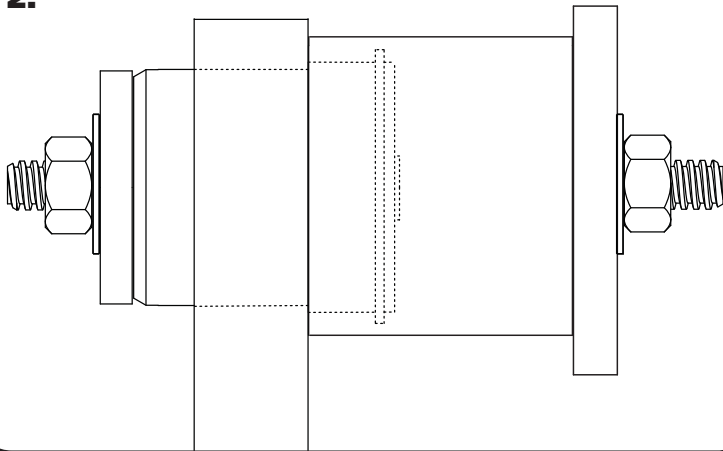


**1.** Start by sticking the 2 3/8" Sleeve(1) over the OEM bushing. Insert the 1/2"-10 x 8" Threaded Rod(2) into the OEM bushing. Install the Large 2 5/8" Diameter Washer(3) onto the threaded rod on the Sleeve side. Install the Small 1.825" Washer(4) on the threaded rod (on the side with the bushing sticking through the housing). Install a 1/2" washer(5) and nut(6) on each end of the threaded rod. Use **Images 1 & 2** as a reference.



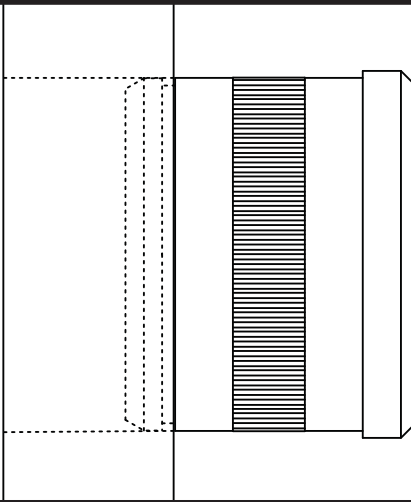
### Lower Control Arm Bushing Removal

2.



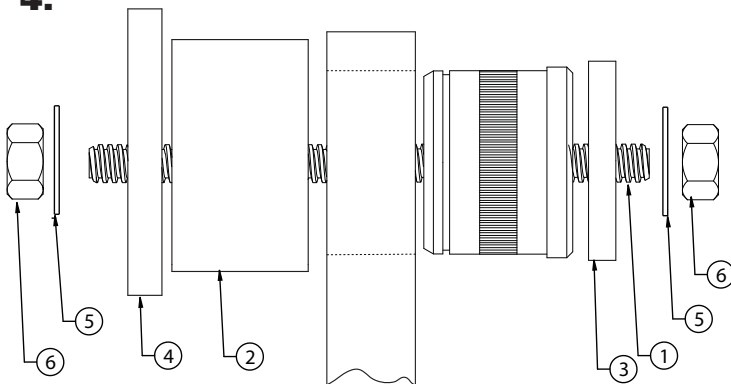
2. Tighten the 1/2" nuts, pushing the bushing out of the mount.

3.



3. Start the R-Joint Housing into the OEM bushing hole by hand.

4.

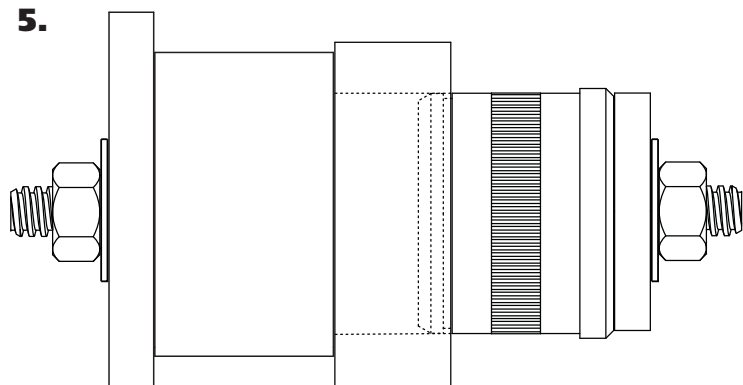


4. Insert the 1/2"-10 x 8" Threaded Rod(1) into the bushing. Install the 1 7/8" ID x 1" Long Sleeve(2) on the opposite side of the bushing. This sleeve will be centered over the bushing hole. Install the 1.825" Washer(3) on the stud (on the bushing side). Install the 2 5/8" Washer(4) on the 1 7/8" Sleeve side. Install a 1/2" washer(5) and nut(6) on each end of the threaded rod. Use **Images 4 & 5** as a reference.



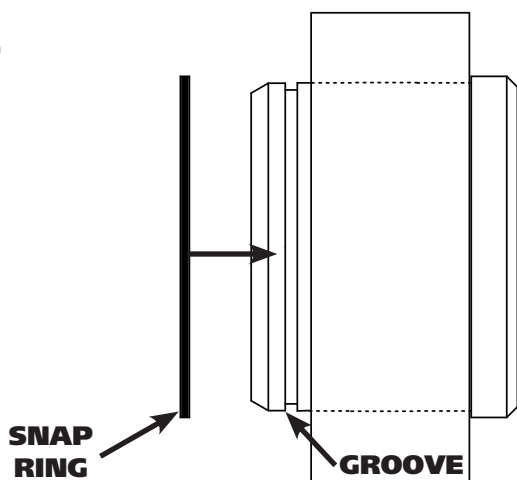
### Lower Control Arm Bushing Installation

5.



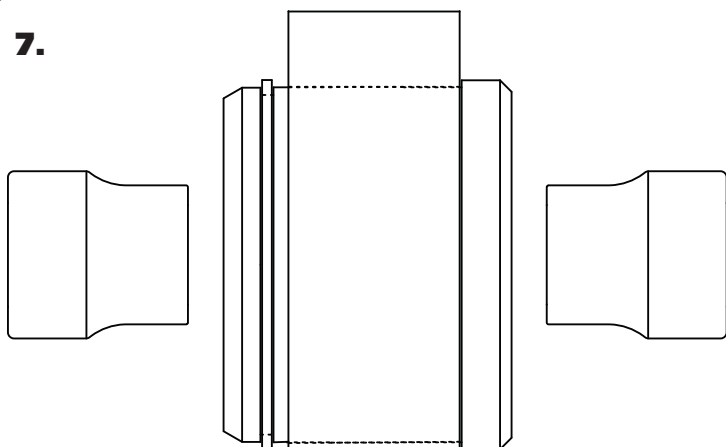
5. Snug down the nuts enough to hold the sleeve and washers in place. Check to make sure the sleeve is centered over the hole and the 1.825" washer is center on the bushing housing. Tighten the nuts to press the bushing housing into the axle housing. Tighten the nuts until the housing bottoms in the axle mount.

6.



6. Install the supplied Snap Ring into the groove on the bushing housing.

7.



7. Install the Spacers by inserting the SMALL side of the SPACER into the Center Pivot Ball. Push them in until they bottom out and stop.

8. Install your Ridetech StrongArms. Refer to the instructions supplied with the StrongArms.