



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.





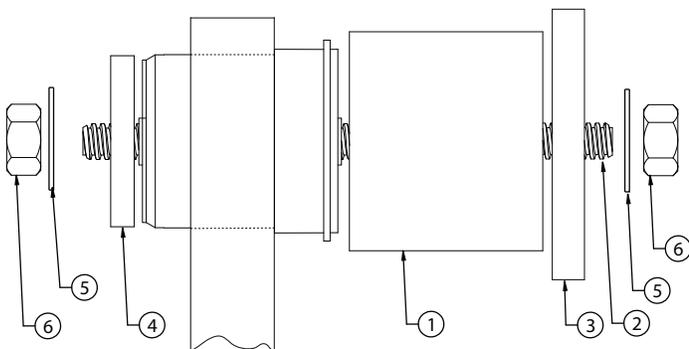
Major ComponentsIn the box

Part #	Description	QTY
R-Joint Housing Components		
90002122	R-Joint Bushing Housing with R-Joint Components installed	2
70013784	R-Joint Spacers	4
R-Joint Components Installed In Housing		
70013275	R-Joint Center Ball	
70013276	R-Joint Composite Center Ball Cage	
70013279	Retaining Ring	
70013280	Wavo Wave Spring	
Bushing Removal & Installation Tool Components		
90002912	1.875" ID x 1.00" Long Notched Sleeve	1
90002880	1.825" OD Washer	1
90002913	2.625" OD Washer with Flat	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.

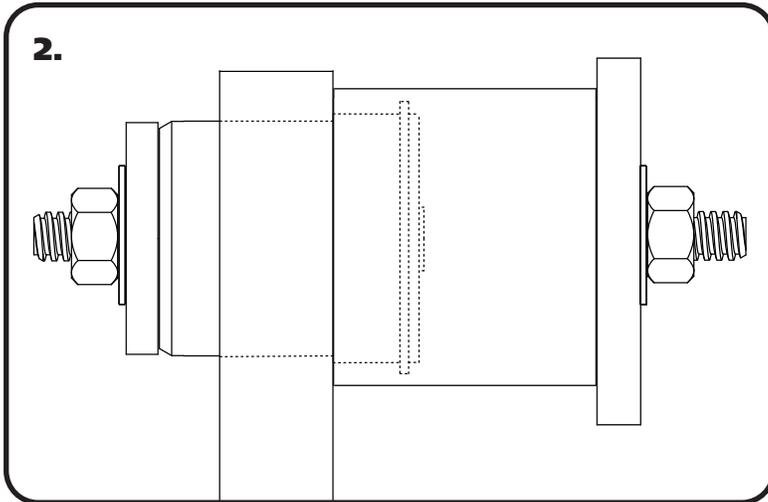
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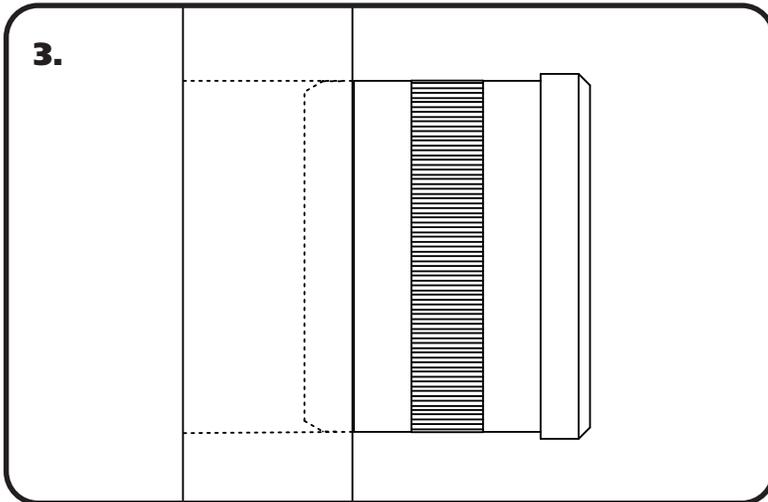
1. Start by sticking the 2 3/8" Sleeve(1) over the OEM bushing. Insert the 1/2"-10 x 8" Threaded Rod(2) into the OEM bushing. Install the Large 2 5/8" Diameter Flat Sided Washer(3) onto the threaded rod on the Sleeve side. Install the Small 1.825" Washer(4) on the threaded rod (on the side with the bushing 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.



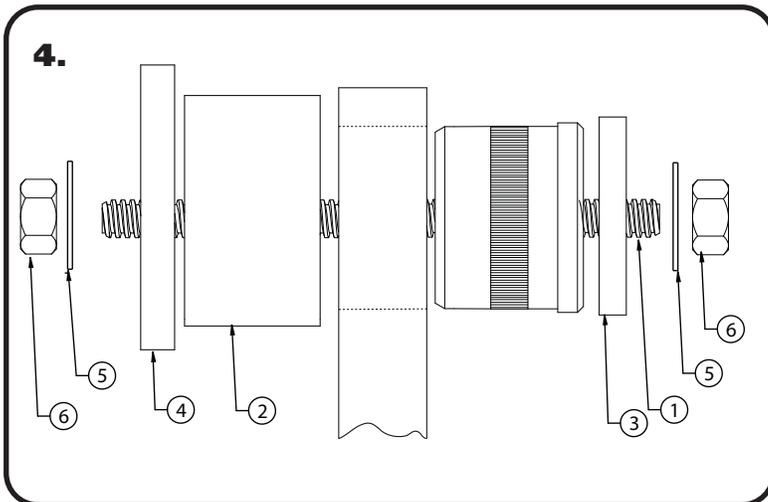
Bushing Housing Installation



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



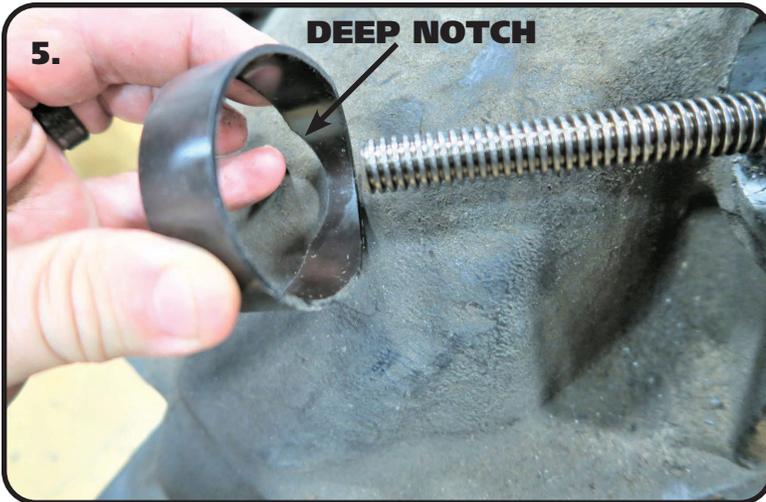
3. Start the R-Joint Housing into the OEM bushing hole by hand.



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" Flat Sided 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 4-7** as a reference. **12 BOLT DIFFERENTIALS REQUIRE A SPECIFIC ORIENTATION OF THE 1" LONG SLEEVE AND THE FLAT SIDED 2 5/8" WASHER. IMAGES 5 & 6 ILLUSTRATE THE ORIENTATION.**



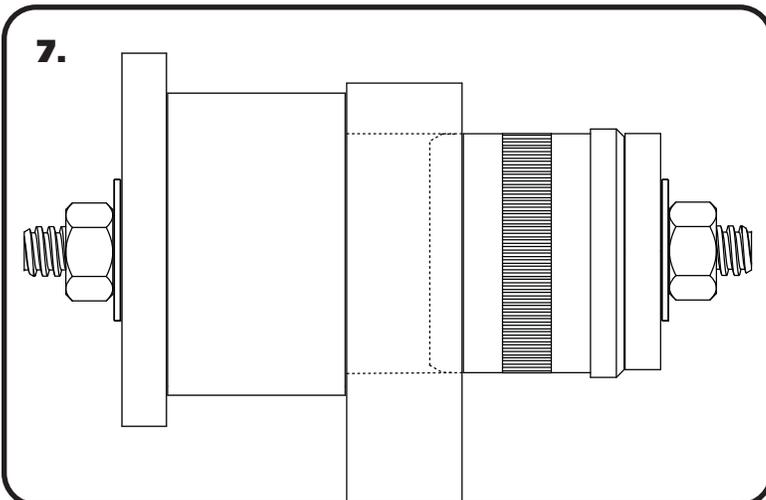
Bushing Housing Installation



5. 12 BOLT ONLY When installing the R-joint in a 12 bolt, the orientation of some components of the installation tool is important. **Image 5** is of the 1 7/8" ID x 1" Long Sleeve. The sleeve has a notch cut in each side of it. One side has a wide, shallow notch. The other side has a narrow, deep notch. A 12 bolt requires the wide, shallow notch to be up against the bushing ear of the axle. The narrow, deep notch is for clearance of the axle housing. The deep notch will need to be positioned so that the housing isn't pushing against the sleeve, causing it to not sit flat against the ear of the axle.



6. 12 BOLT ONLY The 2 5/8" Flat Sided Washer is made with a FLAT in it to clear the axle housing while installing the r-joint housing. You will need to position the Flat Sided Washer so it isn't hitting against the axle housing.

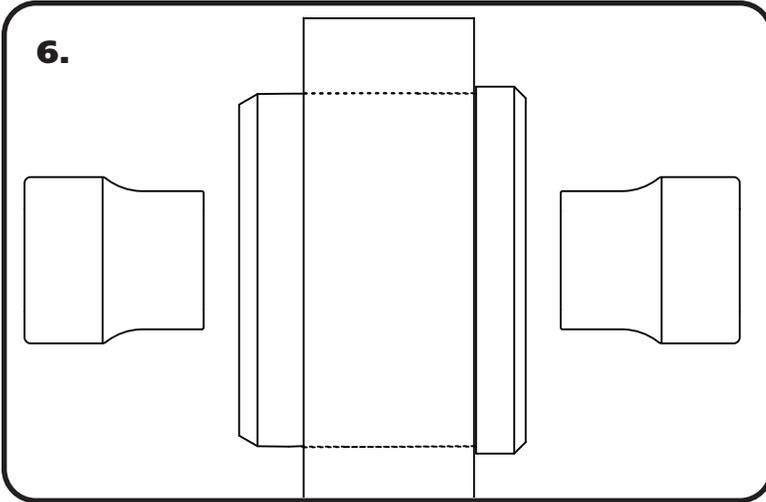


7. Snug down the nuts enough to hold the sleeve and washers in place. Check to make sure the sleeve is centered over the hole and the 1.825" washer is center on the bushing housing. If installing in a 12 Bolt Housing, refer to **Steps 5 & 6** for proper orientation of the installation tool. Tighten the nuts to press the bushing housing into the axle housing. Tighten the nuts until the housing bottoms in the axle mount.



Bushing Housing Installation

6.



8. 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.

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