



**4494 Raceway Drive Concord, NC 28027 (704)786-6400**

**Kit #3 – AWD Mitsubishi 3000GT VR4 & Dodge Stealth R/T TT  
Polyurethane Rear Differential Mount Kit**

Attention: DO NOT press out the existing bushings if you intend to use this kit – read before beginning.

**Design Goals:**

This kit has been designed to more easily replace worn and deteriorated rubber bushings with polyurethane bushings. The result is a stronger, longer lasting, differential mount that will help support loads associated with higher horsepower engines and harder launches. Pressing out the old corroded bushings/sleeves is NOT required, saving a great deal of time and effort.

**Parts Supplied:**

See Attached Packing List for Complete Listing of all parts included.



**Installation Procedure:**

Take some time to double check the contents of your kit with the attached packing list. Familiarize yourself with each bushing and where it will be installed on the car. All bushings will need to have grease applied to the mating surfaces prior to installation. We also recommend greasing the bushing bores.

Always use the appropriate safety equipment. Follow good common sense practices and think safety at all times.

Raise and support the vehicle. The rear differential does NOT need to be removed from the car in order to install this kit. The car has a large bracket across the rear of the differential. Remove this bracket first. Once the bracket has been removed, using a torch, burn the rubber out of the old bushings within the bracket. An oxyacetylene torch works best. Be careful to not melt the metal portions of the bushings or the bracket. The rubber will burn and turn into ash which can easily be removed. Clean all of the metal bushing sleeves, and bushing bores where the new bushings will be installed. The cleaner, the better. A Fine wire wheel works best. Install the new bushings, while applying the supplied grease evenly over all mating surfaces. Re-install the rear bracket, which will now hold the differential in place while the two front brackets are removed. Repeat the process of replacing the rubber bushings with the urethane ones for the remaining mounts. Reinstall them and torque to factory specifications.

With the rear differential install complete, the carrier bearing mounts can be replaced. The supplied polyurethane ones are similar in size and shape as the originals. Simply remove, clean, and grease the metal portion of each bushing. Reinstall them according to the photo below.

The following image should assist you with the installation.



### Kit # 3 - Rear Differential Mount Packing List

#	Description	Tag	Qty.	Part	Measurements
1	Poly Bushing – large rear diff.	<b>O</b>	8	7	.925" high, 2.09" od
2	Poly Bushing – carrier bearing mount main bush	<b>L</b>	4	8	.5" high, 1.32" od
3	Poly Bushing – carrier bearing mount ring	<b>J *</b>	4	9	.2" high, 1.32" od
4	Steel Washer - carrier bearing mount (lower)	<b>W2</b>	4	-9	1.25" od, .40" id, .044" thick
5	Steel Washer - carrier bearing mount (upper)	<b>W3</b>	4	-8	1.50" od, .68" id, .08" thick
6	Grease Packet	-	1	-	-
7	Instruction Sheet	-	1	-	-

\* NOTE: You will need to cut the center out of the Part J so it is a ring that goes over part L.

Should you require more grease than is supplied with this kit, we recommend a grey general purpose Moly grease, available at most hardware stores.