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"\*\*\*\*\*"Part #'s TUM253.'TUM254.'TUM257.'TUM258

*NOTE: When performing this installation it is recommended to do one side at a time. Removing both lower control arms at the same time allows the rear to move forward making re-installation more difficult.*

**Installation:**

1. Raise vehicle high enough so that both rear wheels are off the ground and support the vehicle under the frame. **NOTE: Do not support under the axle.**
2. Using 18mm wrenches, remove the control arm bolts from one side then remove the control arm.
3. If using an adjustable version of the control arms, adjust the arms to the factory length using the OE control arms as a guide. Once properly adjusted, apply Loctite blue to the threads and tighten the jam-nuts. If a custom length is desired, the control arms may be adjusted after the installation however an alignment is recommended to confirm side-to-side consistency.
4. If using polyurethane bushings, lube the external bushing surfaces of the new control arms.
5. If using rod-end equipped control arms install the control arms and tighten the bolts to 90 ft. /lbs.
6. If using polyurethane equipped control arms leave the bolts loose until the vehicles' weight is resting on the control arms. With the rear end supporting the vehicles weight, tighten the mounting bolts to 90 ft/lbs. **NOTE:** tightening the control arm bolts with the rear end hanging results in bushing preload and can cause irregular ride height and premature bushing wear.
7. Using a grease gun with a silicone based polyurethane lube, lube each grease fitting with 1-2 pumps. For maximum longevity, re-grease in an additional 500 miles and then every other oil change.





### **NON-ADJUSTABLE PANHARD RODS**

1. Lift vehicle and support with jack stands.
2. Using a 18mm wrench, loosen the panhard rod bolts. Remove both bolts and pry the panhard rod out of the mounts.
3. Position the BMR panhard rod into the mounts with the grease fittings pointing down. Insert the factory bolts and torque to 80 ft/lbs.
4. With the suspension loaded, lube each grease fitting approximately 2-3 pumps.
5. Remove stands and lower vehicle.

### **ADJUSTABLE PANHARD RODS**

1. Lift vehicle and support with jack stands.
2. Using a 18mm wrench, loosen the panhard rod bolts. Remove both bolts and pry the panhard rod out of the mounts.
6. Adjust the BMR panhard rod to the length of the factory rod. This is a good starting point; the adjustment will be done in a later step. Leave the jam nuts on the adjuster (or rod ends) loose.
3. Position the BMR panhard rod into the mounts with the grease fittings (polyurethane equipped bushings only) pointing down. If installing the poly/rod combo panhard rod position the poly bushing to the body side mount. Insert the factory bolts and torque to 80 ft/lbs.
4. If equipped with polyurethane bushings, lube each grease fitting approximately 2-3 pumps.
5. For this step the vehicle must be at ride height. Measure both wheel positions in the wheel wells as shown in the image to the right. If they are already equal or within 1/8" tighten the jam nuts and disregard step 6 - you are done. If the two measurements are not equal, proceed to the next step.
6. With the jam nuts loose, adjust the Panhard rod clockwise or counter-clockwise, depending on which way you need the car to move. The car body will slide left or right depending on which way you turn. Once the rear is centered, tighten the jam nuts.



*NOTE: To prevent the jam nuts from backing off, we recommend using Loctite - Blue to secure them once the adjustment is complete.*