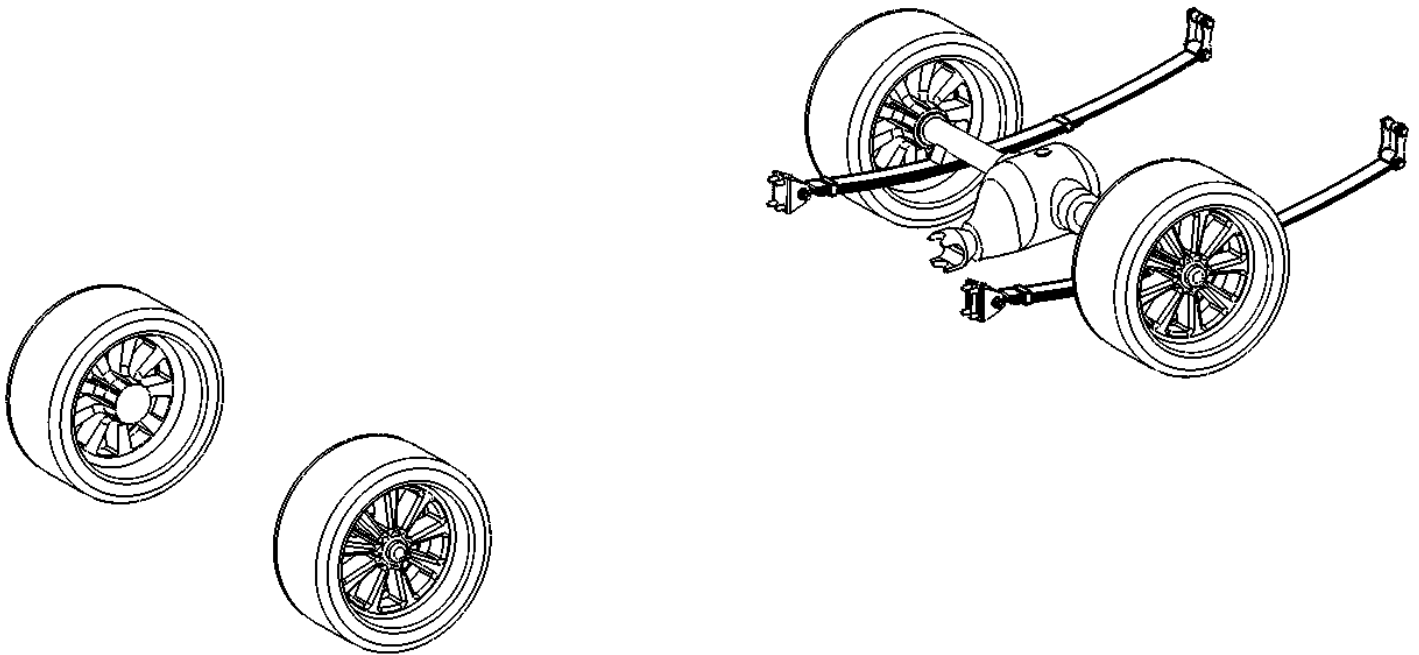


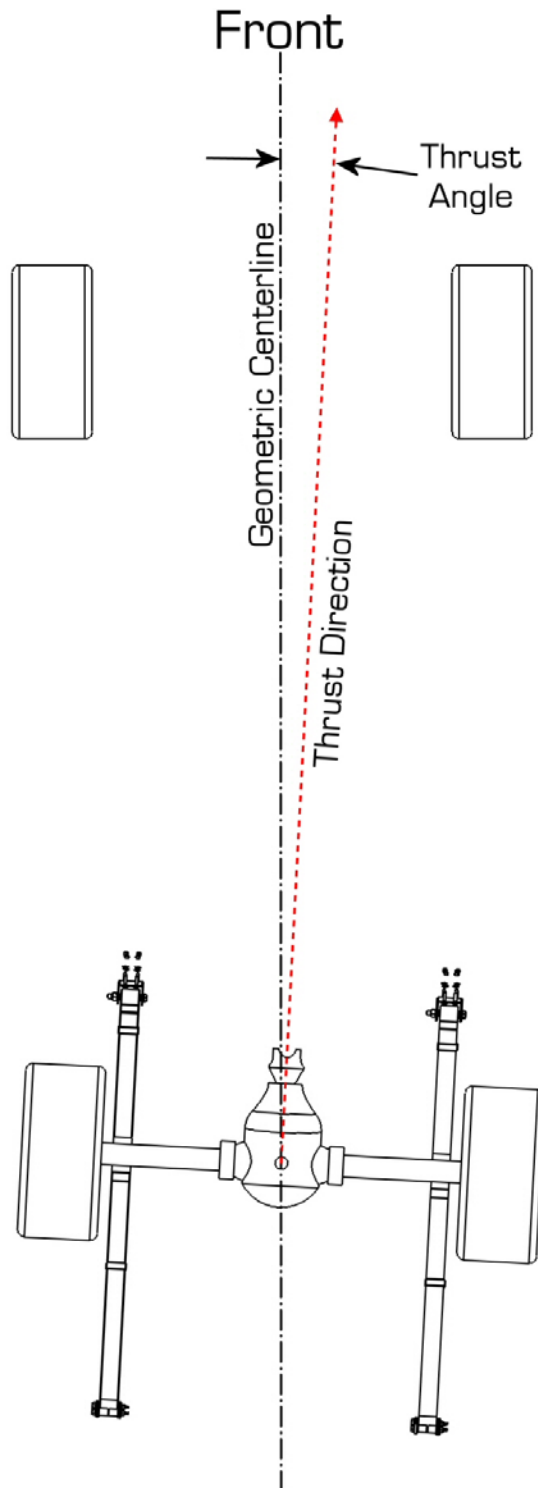
Rear Thrust Shim Kit 3003
67-76 A-Body, 66-69 B-Body
70-74 E-Body



IMPORTANT: PLEASE READ THE ENTIRE INSTRUCTION MANUAL BEFORE STARTING THIS INSTALLATION.

1. Measure Alignment

The vehicle will need to be measured to determine whether or not the thrust angle requires adjustment. It is best to have this performed by a 4-wheel wheel alignment professional. Thrust angle is a common measurement observed in most alignment shops. If your vehicle requires thrust adjustment, then please proceed to the following steps using the Hotchkis Thrust Shim Kit.



Terms:

Geometric Centerline: When observing the vehicle in plan view, this is an imaginary line that runs through the center of the front wheels and rear wheels

Thrust Direction: When observing the vehicle in plan view, the thrust direction follows an imaginary line that runs through the center of the rear wheels and points in the direction the rear wheels propel the vehicle. In live axle vehicles, thrust is typically parallel with the direction of the rear wheels.

Thrust Angle: The angular difference between the Geometric Centerline and the Thrust Direction. The thrust angle is positive when it points to the right and negative when pointed to the left. The goal is to have this angle to be zero.

2. *Raise the Vehicle*

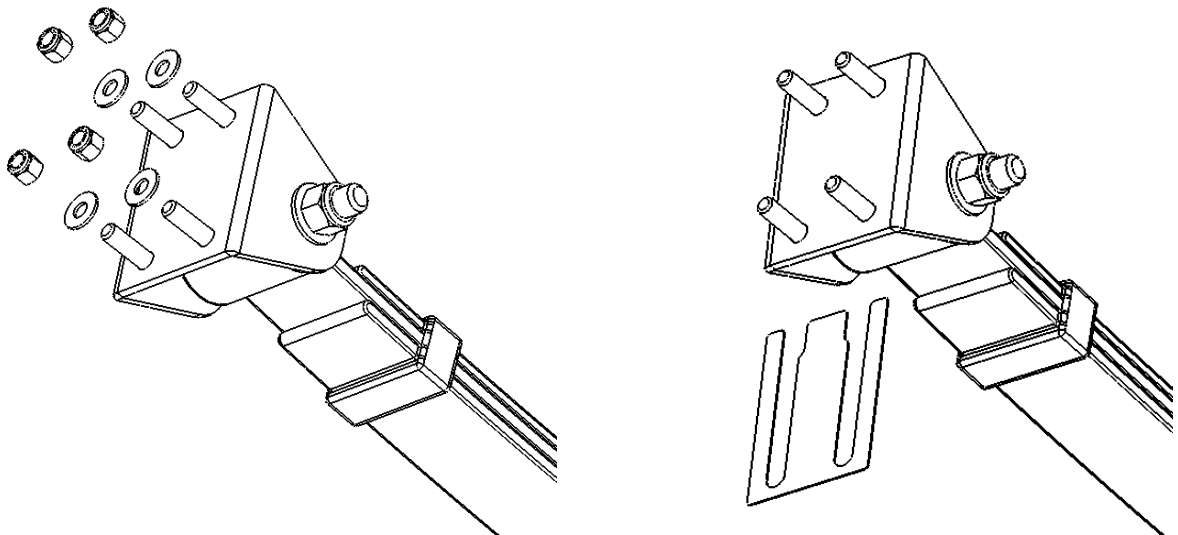
Raise the vehicle and safely secure it on jack stands. Make sure to support the rear of the vehicle on the chassis rather than the differential.

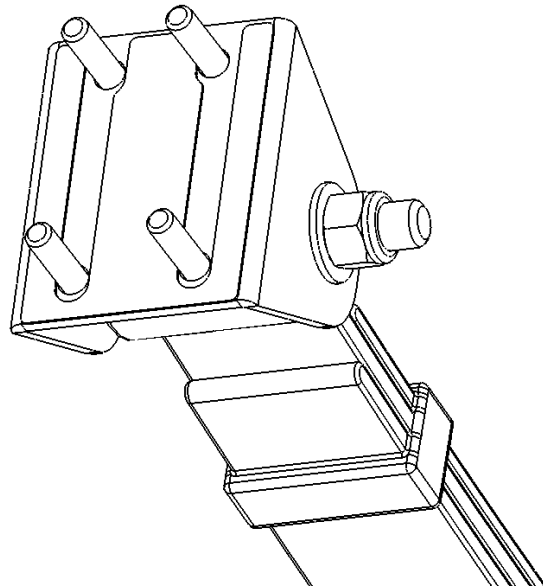
3. *Support the Differential*

Place a jack underneath the rear differential pumpkin and apply jacking force until the weight of the differential is relieved. This will allow you to disconnect the front leaf spring mount without fighting any unwanted preloads.

4. *Install the Shims*

Begin unbolting the 4 nuts that secure the front leaf spring mount to the chassis on the side that requires shimming. Once mount is somewhat detached from the chassis, you can slide in the amount of shims you require. The kit comes with 6 shims @ 1/32" thickness.





5. *Reinstall Leaf Spring Mount*

Reinstall the leaf spring mount in the same manner as removal.

6. *Recheck Thrust Angle*

Lower the vehicle back to ride height and recheck the thrust angle. Repeat this process of adding or removing shims until you have zero thrust angle.

