

78-88 GM G-body Rear Coilover brackets Item # 3049



IMPORTANT NOTES

<p>The UMI 3049 kit is intended to allow the use of 2-1/2" racing coilover springs and shocks on the rear of the GM G-body. UMI is not responsible for failure due to misuse, mis-installation, shock bottoming, etc. The rear bump stops should be utilized to prevent shock bottoming and subsequent bracket damage.</p>
<p>UMI is not responsible for fitment issues when using other companies' components such as sway bars, relocation brackets, etc. The 3049 kit fits UMI 1" rear sway bar and drag anti-roll bar and UMI control arms.</p>
<p>Please follow all applicable safety practices when working on a raised vehicle such as proper use of jack stands and safety glasses, and care when lifting heavy object such as the rear axle.</p>

Technical specs: Shock ride height at about 2" lowering is approximately 13-3/4"- 14-5/8". The double shear brackets are 1-1/4" wide and use a 1/2" diameter bolt. Testing was completed using Viking C209W. Springs were tested using 14" 110 lb/in, and 12" 225 lb/in.

Installation Instructions:

1. Remove existing rear springs and shocks. Be sure to support axle in a safe manner.
2. Removing the lower shock bolt will allow the rear to droop enough to remove the springs.
3. Use of penetrating oil or slicing wheel to remove corroded hardware may be required for steps 1-2.
4. Loosely install the lower bracket using 1/2-13 bolt, nut and lock washer. Do not tighten past nyloc in this step.
5. Install M12 bolt and washer through coilover bracket and control arm mount. If using relocation brackets, ensure the use of an anti-crush sleeve in the factory control arm mounting position. Loosely tighten lock nut to nyloc insert.
6. The second hole on the plate is a secondary anti-rotation hole. If you intend on using this hole, drill the plate and control arm mount with a 3/8" drill bit, and install 3/8-16 bolt, lock washer and nut. Final torque to 35 ft-lb.
7. Torque 1/2-13 lower bolt to 60 ft-lb. For M12 bolt through lower control arm, load suspension and torque to 72 ft-lb.
8. The lower mount is now installed.
9. Install lower jam nut onto Viking shock by threading down to the bottom. Lip should face up. May require pliers to remove upper T-bar to allow assembly. Assembly shown in Figure 4 including thrust bearing kit.

Thank you for Putting Your Trust in A UMI Performance Product!

www.umiperformance.com

10. Install main nut onto Viking shock and thread down to the jam nut.
11. Install washer, bearing and washer (optional).
12. Lubricate threads on shock body with anti-seize.
13. Slide spring down onto shock and install coilover hat. Reinstall upper T-bar at this time.
14. Prepare UMI upper mount and Viking coilover. The shock mount reinforcement plate is to be sandwiched between the upper T-bar of the shock, and the chassis.
15. Guide the shock up and align the t-bar with the shock holes and reinforcement plate. Install supplied 3/8" x 1.5" bolt from top to bottom and tighten to approximately 35 ft-lbs.
16. Complete the installation by installing the lower bolt through the shock and bracket, tighten to 60 ft-lb.
17. Repeat for opposite side.

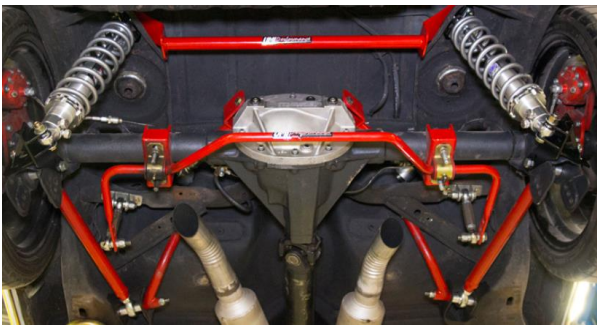


Fig 1 – Whole system

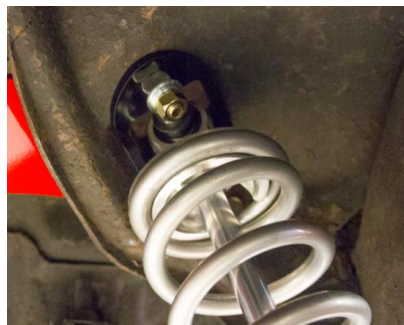


Fig 2 – Upper bracket location



Figure 3 – Lower bracket detail



Figure 4 – Assembly For thrust bearing

Item # 3049

78-88 GM G-body Rear Coilover bracket kit
UMI Performance, Inc.
Manufactured in Philipsburg, PA-USA

Thank you for Putting Your Trust in A UMI Performance Product!

www.umiperformance.com