



509 Hemlock St  
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## Installation Instructions

support@umiperformance.com  
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1970 – 1981 GM F-Body  
Lowering Leaf Spring  
P/N# 2620



Qty	Part #	Description
2	2620	Lowering Leaf Spring

**Notes:** This kit does not include Rear Shackle bushings. A rear shackle kit such as UMI P/N 2625 or 2626 is required to install. Factory replacement shackles/bushings can be used

Before installation, verify contents are correct and read through instructions completely.

Always ensure proper support when working under a vehicle. Use approved jack stands when using a floor jack as well as proper technique for securing your car while on a drive-on lift. Always use proper safety clothing and eye protection when working on vehicle

Final ride height will be determined after the car is driven, as all leaf springs “settle” a small amount after first installation. Height will remain the same after this initial settle. Typical settle is ¼” to 3/8” lower and initial

### Tools required:

Floor Jack, Jack Stands, Common Hand Tools (ratchet, sockets, wrenches)



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### **Installation**

1. Raise car to a comfortable working height using the method of your choice. Follow applicable safety procedures.
2. Support the car by the chassis around the front leaf spring mount. The rear axle will need to be free to move to replace the springs, Let the axle droop to remove any spring tension.
3. Remove Wheels
4. Disconnect the lower Shock mount from the Lower spring plate. Upper mounts can remain in place
5. Remove the U bolt / T bolt nuts holding the spring plate.
6. Raise the axle using a jack or lift tripod to free the axle from the spring. Prying may be necessary if the isolators are original
7. Remove the Bolt from the shackle at the rear of the leaf spring. Save this bolt if re-using factory shackles.
8. Locate and remove the (3) bolts holding the front spring mount to the chassis. Support the spring when removing the last bolt as it will be free once removed.
9. Remove the front mount bolt and set aside if reusing. You will reuse the front mount
10. It is recommended to replace the rear shackle bushing on the frame and leaf with new bushings such as UMI poly bushings (P/N 2625) or UMI delrin bushings (P/N 2626). Refer to the instructions included with those kits for installation.
11. Springs from UMI are shipped bolted together. Remove the 2 bolts and discard; they will not be used in the installation.
12. Install the front mounting bucket onto the new UMI 2620 leaf spring. The front mount installed onto the preinstalled bushing. It is recommended to apply a small amount of grease on the face of the rubber bushings. Torque to 50 ft lbs.
13. Install the Rear bushing of choice, UMI poly, UMI delrin, or Factory replacement.
14. Install the spring in the reverse order of removal. Start by installing the (3) bolt that retain the front mount bucket.
15. Swing the leaf spring under the rear axle and install the rear shackle and bolt. Torque the rear bolt to 50 ft lbs.
16. Insert the Spring isolators between the axle and leaf spring, and set the axle onto the top of the leaf spring. It is important for the alignment pin to sit into the hole on the isolator. You should be able to feel the axle "set" into the correct place. UMI part# 2627 includes new poly isolators and u bolts for ease of installation.
17. Reinstall U bolts, place the lower isolator pad onto the spring, then install the lower spring plate.
18. Tighten the 4 spring plate nuts in a criss cross pattern. It is important to tighten these equal amounts. Final torque to 45 ft lbs.
19. Reinstall the shock on the lower spring plate
20. Repeat on opposite side.
21. Installation is complete.



Location of (3) front mount bolts



Front mount installed on spring



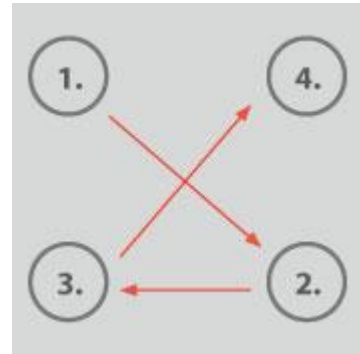
Rear Bushings – Delrin Shown



Rear Shackles – Delrin Shown  
(out of car to show detail)



Lower Spring Plate – Ubolt / Tbolt  
Locations



Lower Spring Plate –  
Torque Pattern



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### **Item #2620**

70-81 GM F-Body  
Lowering Leaf Spring

UMI Performance Inc.  
Made in Philipsburg, PA - USA

#### **DISCLAIMER OF WARRANTY**

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