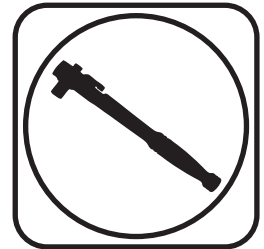




Part # 12094799 - 1964-1966 Mustang Composite Leaf Springs



Recommended Tools



64-66 Mustang Composite Leaf Springs Installation Instructions

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IT IS VERY IMPORTANT THAT NOTHING COMES IN CONTACT WITH THE COMPOSITE LEAF SPRINGS.

THESE LEAF SPRINGS WILL **NOT** ACCEPT OEM LEAF SPRING BUSHINGS. THE RIDETECH DELRIN LEAF SPRING BUSHING KIT (12095399) IS REQUIRED TO ACHIEVE MAXIMUM PERFORMANCE.

THE RIDETECH STAGGERED SHOCK KIT (12099510) IS ALSO RECOMMENDED.





Major ComponentsIn the box

Part #	Description	QTY
70012826	Leaf Spring Blade (Blade Assembly)	2
70012408	Front Leaf Spring Eyelet (Blade Assembly)	2
70012353	Rear Leaf Spring Eyelet (Blade Assembly)	2
99251015	1/4"-20 x 1 3/4" Flange Bolt (Blade Assembly)	12
99252004	1/2"-20 Flange Nut (Blade Assembly)	12
70013973	1" Lowering Block w/70012898 pressed in	2
90002758	Leaf Spring Spacers	4
99436001	7/16"-20 x 6 3/4" U-bolt	4
99432009	7/16"-20 High Nuts	8
99433002	7/16" SAE Flat Washer	8

Getting Started.....

DELTRIN LEAF SPRING BUSHINGS NEED TO BE INSTALLED IN CONJUNCTION WITH THE LEAF SPRINGS.

IT IS VERY IMPORTANT THAT NOTHING COMES IN CONTACT WITH THE LEAF SPRING.

The Ridetech Composite Leaf Springs are setup to use the Ridetech Delrin Bushing Kit (12095399). OEM style bushings will **NOT** work. They are also designed to fit into the OEM front leaf spring mount.

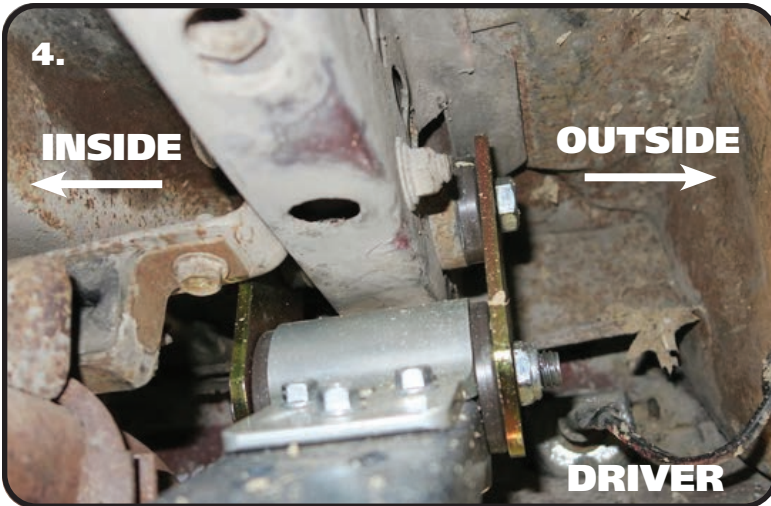
The Ridetech Staggered Shock Kit (12099510) is recommended for Maximum Performance. It should be installed in conjunction with the Composite Leafs Springs

1. Jack the car up and support it by the frame rails. You will need to raise and lower the rear differential with a jack to ease installation. With the car supported by the frame, put the jack underneath the rear end housing and raise the jack up just enough to support the differential. Disconnect the bottom of the shock and remove the rear leaf springs. Retain the OEM hardware.
2. If you purchased the Leaf Springs & Delrin Bushings separately, you will need to install bushings into Leaf Spring eyes. If a complete StreetGrip kit was purchased, Delrin Bushings will be preinstalled.
3. Ridetech Delrin Bushings will require the rear Frame Bushings to be installed before the Leaf Spring can be installed. Refer to the Delrin Bushing instructions for the correct procedure.

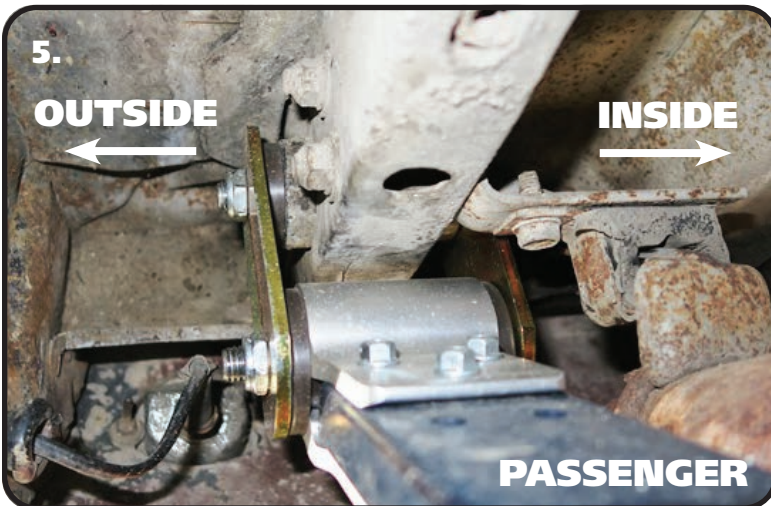
THESE LEAF SPRINGS ARE DESIGNED AND MADE FROM BLANKS. THE BLANK FOR YOUR SPRING COULD HAVE THE WORD "CHEVROLET" ON IT. THIS ONLY MEANS THE FIRST VEHICLE THE BLANK WAS TESTED ON WAS A CHEVROLET. EACH VEHICLE HAS A SPECIFIC LENGTH, PIN LOCATION, AND SPRING RATE. THESE LEAF SPRINGS WERE DESIGNED SPECIFICALLY FOR THE MUSTANG.



Leaf Spring Installation



4 & 5. Attach the rear of the Composite Leaf Spring to the rear mount. THE REAR BUSHING IS THE **SMALLER** OF THE 2 LEAF SPRING BUSHINGS. New Shackles and Hardware is supplied with Delrin Bushings. The orientation of the hardware differs on the driver and passenger shackles. **Image 4** illustrates the driver side hardware orientation, **Image 5** illustrates the passenger side. Attach a Shackle Plate to each side of the Frame Bushing using a 1/2"-13 x 4" Bolt and 1/2"-13 Nylok Nut. Driver side bolt will need the threads pointing to the inside of the car. Passenger side will need the threads pointing to the outside of the car. Do not tighten. Align the remaining bolt holes in the shackle plates with the sleeve in the rear Leaf Spring bushing. Install a 1/2"-13 x 4" Bolt and 1/2"-13 Nylok Nut. Both sides will need the threads of the bolt pointing out. Do Not tighten hardware, it will get tightened later.

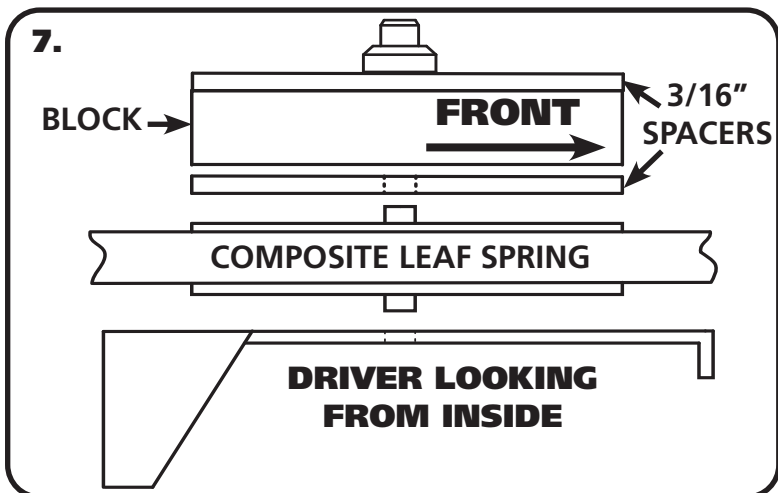


6. Swing the Leaf Spring up and attach the **LARGE BUSHING END** of the Composite Leaf Spring into the OEM front leaf spring mount using a 1/2"-13 x 4.5" Hex Bolt and 1/2"-13 Nylok Nut.

Note: You may have to jack the rear differential up enough to swing the leaf spring in place.



Leaf Spring Installation



7. The Composite Leaf Spring has to be clamped in place with the Lower U-bolt Plate. If installing the Ridetech HG Shock Kit too, new Plates are included with it. Install (1) 3/16" Spacer Plate on the Leaf Spring with the locating pin inserted in the center hole of the spacer. Next, install the 1" Lowering Block/Spacer Plate on top of the Spacer with the locating pin inserted into the center hole of the block. The 3/16" Spacers are to help even out the Clamping on the axle mount and leaf spring.

NOTE: Check the fitment of the Pin in the lowering block with the hole in the leaf spring pad. We have seen slight variations in the hole diameter due to the production process, it may be necessary to buff out the hole to get the pin to fit. **THE KIT INCLUDES A SMALLER PIN FOR CARS WITH THE SMALL LOCATING HOLE. YOU WILL NEED TO SWITCH THEM IN THE ALUMINUM BLOCK.**



8. Lower the differential onto the Leaf Spring with the Lowering Block & 3/16" Spacers in place like shown in (Figure 7). The PIN on the Lowering Block needs to be inserted into the HOLE in the OEM leaf spring mount. Install the lower U-Bolt Plate/Shock Mount **being sure the Pins and Holes are aligned**. Install the new U-bolts with a 7/16" Flat washer and 7/16" High Nut on the threads of the U-bolts .

Note: When tightening the mounts, pay attention to the pads on the springs to make sure there is visible compression of the pads. .030"- .060" of compression is needed for the springs to be securely mounted. All of the clamping force needs to be on the spring itself.

8. Tighten the Bushing hardware, torquing it to 75 ftlbs. The Delrin Bushings will not bind, so it isn't necessary to have the car at ride height.

9. Install the Ridetech HQ Series shocks. Refer to the shock instructions.

10. DOUBLE CHECK TO MAKE SURE NOTHING IS COMING INTO CONTACT WITH THE LEAF SPRING.