



**INSTALLATION
INSTRUCTIONS**



Part # 11534899



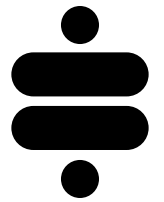
Steel Leaf Spring Kit

1963-1982 Corvette





**Please Read And Understand All Instructions
And Warnings Prior To The Installation Of
This Product.**



THANK YOU

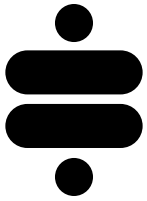
Congratulations on your new Ridetech product! It's an honor that you've selected the Ridetech brand to upgrade your ride. Our products are developed around quality and performance without compromise. We're confident you'll have many years (and miles) of pure driving enjoyment.
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Road Map

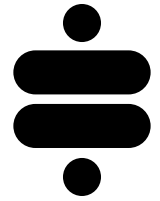
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NOTE: This kit is designed to fit Corvettes with 2.25" or 2.50" wide leaf springs. Measure the width of your existing leaf spring and follow the appropriate steps for your particular application.

Year Range	Spring Width
1963-1977	2.25"
1978	2.25" or 2.50"
1979-1982	2.50"



PARTS LISTING

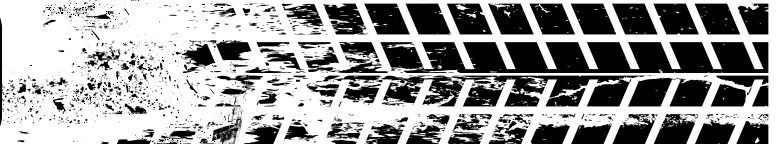


COMPONENTS		
Part #	Description	Qty
70017284	Steel Leaf Spring	1
90003950	Leaf Spring Shim	2
90001393	Leaf Spring Bolt	2
90001394	Leaf Spring Bushing Kit (Pack of 4)	1
90001391	Bolt Spacer	4

HARDWARE KIT: 99010269		
Part #	Description	Qty
Leaf Spring To Trailing Arm		
99502023	1/2"-13 Slotted Nut	2
99952003	1/8" Cotter Pin	2
99503020	1/2" ID x 2" OD Washers	4
Leaf Spring Mounting		
99431017	7/16"-14 x 3.25 Hex Bolt	4
99561014	9/16"-12 x 3.25 Hex Bolt	4
99433009	7/16" Split Lock Washer	4
99563004	9/16" Split Lock Washer	4
99431021	7/16"-14 x 1.25 Hex Bolt	1

NOTE: Depending on your particular application, you may require either 7/16" or 9/16" leaf spring mounting bolts. Both sizes have been included in the hardware kit.

Disassembly



NOTE: Depending on your exhaust configuration and routing, you may have to remove the exhaust to remove and install the leaf spring.

1. Raise the vehicle to a safe and comfortable working height, supported by the frame rails. You may need to raise and lower the trailing arms with a jack to ease installation.
2. With the car supported by the frame, put the jack underneath the rear of the trailing arm. Raise the jack enough to take pressure off the shock. Disconnect the bottom of the shock and retain the OEM hardware. Repeat on the other side.

3. Use a jack to raise one end of the leaf spring enough to take tension off the leaf spring linkage bolt. Remove the linkage. Slowly release the jack. Repeat on the other side.



Figure 1

4. With both ends of the leaf spring disconnected from the trailing arms, remove the center clamping plate (Figure 2). Retain the clamping plate for installation of the new leaf spring.

NOTE: On 80-82 Corvettes, you will need to remove the shield that is below the leaf spring clamp.



Figure 2

Spring Mounting

5. Position the new leaf spring pack in the original location with the bowed ends of the spring pointing down (Figure 3).

NOTE: If your vehicle requires a 2.5" wide spring (reference page 2), the provided shims must be installed when mounting the new spring. Refer to the photos on page 6 for correct shim placement. If no shims are required, proceed to step 6.

The locating pin on the top side of the spring pack must be indexed into the hole in the rear end housing. See Figures 4 & 5.

6. Reinstall the clamping plate using the supplied 7/16" or 9/16" x 3.25" bolts with lock washers (Figure 6).

The "Bat Wing" rear end will use two 7/16" x 3.25" bolts and one 7/16" x 1.25" bolt with lock washers.

Snug the hardware, but **DO NOT TIGHTEN** until the vehicle is on the ground with its weight on the spring.



Figure 3

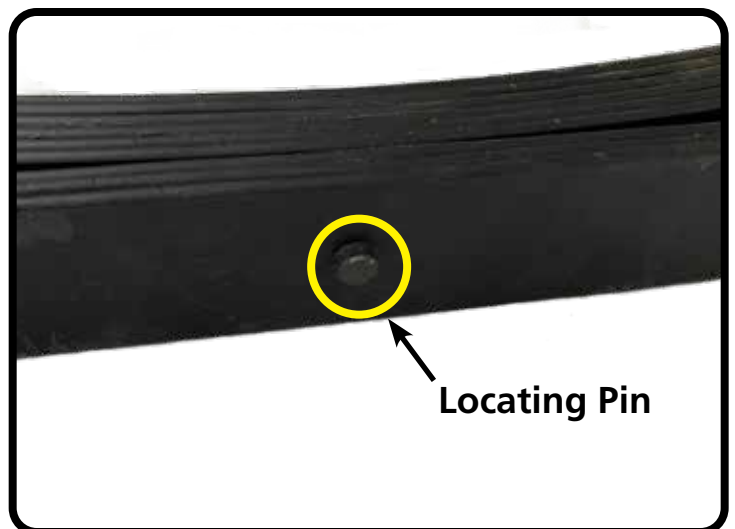


Figure 4

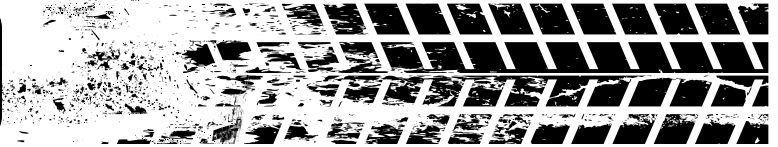


Figure 6



Figure 5

Shim Placement



If your vehicle had a 2.5" wide leaf spring, reference the photos below for shim placement. Ensure the bent "wings" of the shims are facing away from the spring on each side. Once the shims are placed, proceed with step 6.

"Bat Wing" Rear



Figure B1



Figure B2



Figure B3

Cast Iron Rear



Figure C1



Figure C2



Figure C3

Bolt/Bushing Installation

7. Install a leaf spring bushing in the original location on the trailing arm (Figure 7).



Figure 7

8. Install a 1/2" ID x 2" OD flat washer on top of the leaf spring bushing, aligning the center holes (Figure 8).



Figure 8

9. From the top of the trailing arm, install a 1/2"-13 x 9 1/2" bolt through the bushing/washer (Figure 9).



Figure 9

Bolt/Bushing Installation

10. Raise the end of the leaf spring to enable the bolt to pass through the spring enough to allow the bottom leaf spring bushing to be installed (Figure 10).

11. Install the lower leaf spring bushing and washer, followed by a 1/2"-13 castle nut (Figure 11).

12. Thread the nut up the bolt until the cotter pin hole lines up with a slot in the nut, install and bend the cotter pin (Figure 12).

OPTIONAL RIDE HEIGHT ADJUSTMENT:

This kit includes optional spacers (2 per side) that may be installed between the castle nut and lower bushing washer (Figure 13). Each spacer will raise the ride height about 3/8".

If needed, we also offer a coil spring spacer to raise the front. Part # 90001395.

13. Repeat steps 7-12 on the opposite side.

14. Reattach the rear shocks.

15. Once the vehicle is back on the ground torque the spring clamp bolts.

9/16" Bolts: 65 ft-lbs

7/16" Bolts: 50 ft-lbs



Figure 10

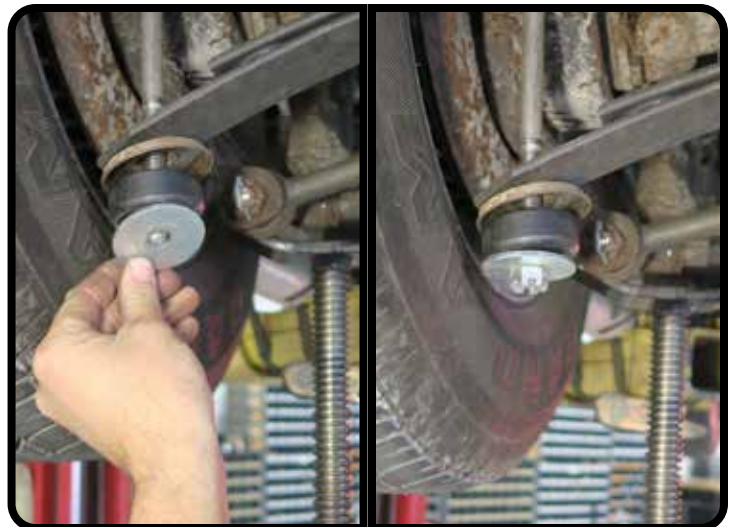


Figure 11

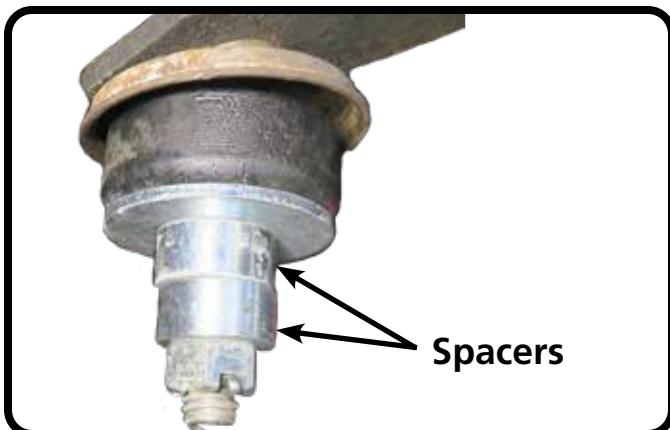


Figure 13



Figure 12