

INSTALLATION INSTRUCTION

88145

Rev B

FOR RANCHO ADD-A-LEAF KIT RS60645: CHEVROLET SILVERADO

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION

Parts List

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
331	Leaf Spring	2
740014	U-bolt	4
860152	U-bolt Hardware Kit	1
	9/16-18 Nyloc Nut	8
	9/16 Washer	8
860185	Spring Installation Kit	1
	3/8-24 x 7.5 HHCS	1
	3/8-24 Hi-nut	1
860410	Center Bolt Hardware Kit	1
	3/8-24 x 5.0 C-bolt	2
	3/8-24 Hi-nut	2
88145	Instruction	1

1) Chock front wheels. Raise the rear of the vehicle and support the frame with jack stands. Remove the rear wheels.

2) Support the rear axle assembly with a floor jack. Remove both rear shock absorbers.

NOTE: Removing and installing one leaf spring assembly at a time will prevent the rear axle from tipping.

3) With the axle still being supported, remove the anchor plate, U-bolts, and spacer. See illustration #1.

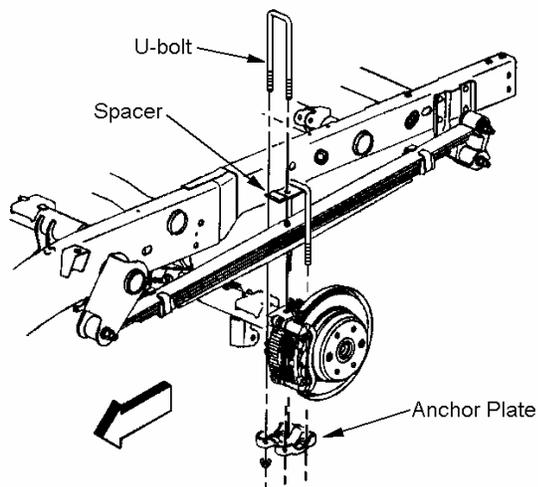


Illustration #1

4) Carefully lower the rear axle and if applicable remove the original riser block. Do not allow the axle to hang by any hoses or cables.

5) Clamp the spring assembly securely together with two C-clamps as shown in illustration #2.

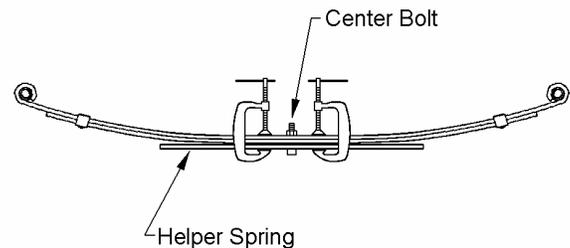


Illustration #2

6) Loosen the nut and remove the center bolt. If necessary, hold the head of the center bolt with locking pliers. Do not remove the spring clips.

7) Carefully remove the C-clamps and set the helper spring aside.

8) Apply a small amount of grease to the top ends of Rancho Add-A-Leaf RS331.

9) Place the Add-A-Leaf under the spring pack and reinstall the helper spring. Temporarily, secure the assembly together with a 3/8" x 7.5" bolt and nut from kit RS860185. Install a C-clamp on each side of the bolt. See illustration #3.

NOTE: The 3/8" bolt will keep the center holes aligned as the spring pack is compressed.

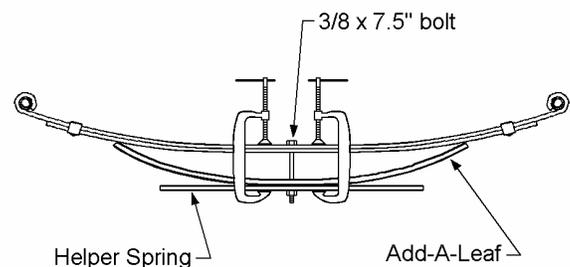


Illustration #3

10) Alternating between C-clamps, compress the spring pack to within 4 inches. Install nylon safety straps as shown in illustration #4.

11) Carefully, without disturbing the C-clamps, remove the 3/8" bolt. Install the center bolt and nut from kit 860410. See illustration #4. Do not compress the spring with the center bolt.

12) Tighten the C-clamps to fully compress the spring assembly. Once compressed, tighten the center bolt to 25 ft. lbs. If necessary, hold the head of the center bolt with locking pliers.

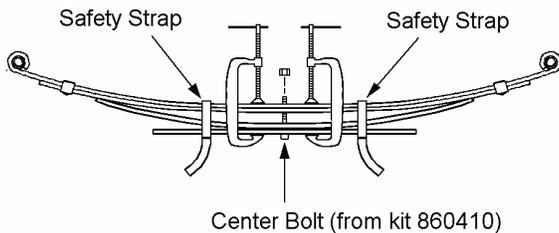


Illustration #4

13) Remove the C-clamps and straps. Reinstall the original riser block.

14) Raise the axle assembly until the riser block contacts the helper spring. Be sure to align the hole in the block with the head of the center bolt.

15) Reinstall the U-bolt spacer on top of the leaf spring. Attach the spring to the axle with the NEW U-bolts (740014), original anchor plate, and hardware from kit 860152. See illustration #5. Snug the nuts down but do not tighten.

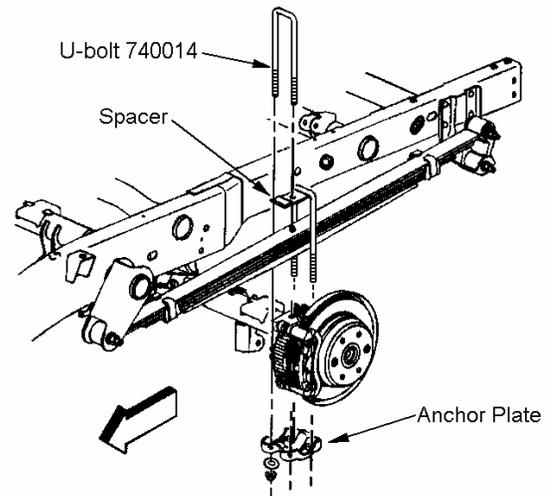


Illustration #5

16) Repeat steps 3 through 15 for the other side.

17) Cross tighten the U-bolt nuts evenly to 89 ft. lbs. Recheck the torque on the center bolts.

NOTE: The new U-bolts may extend below the anchor plate more than desired. If necessary, cut off the U-bolts to the desired length.

18) Check headlamp adjustment and vehicle alignment.

