

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.

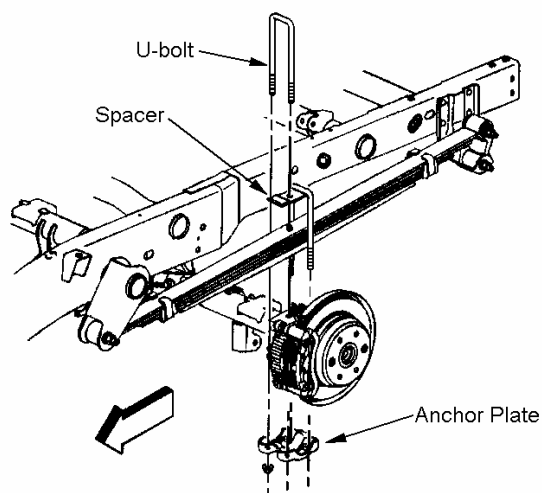


Illustration #1

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.

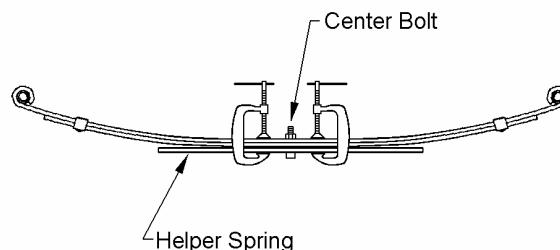


Illustration #2

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.

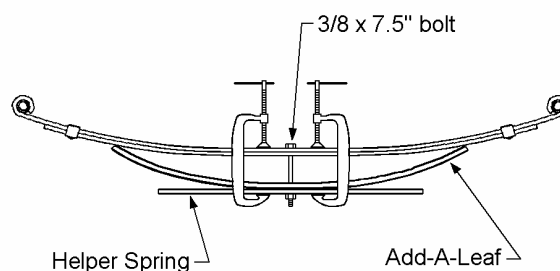


Illustration #3

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.

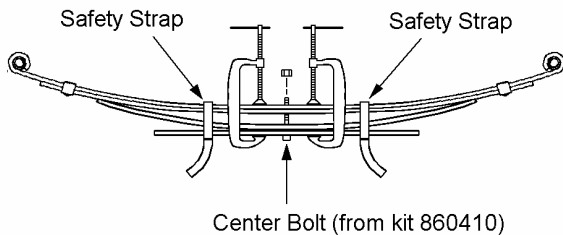


Illustration #4

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.

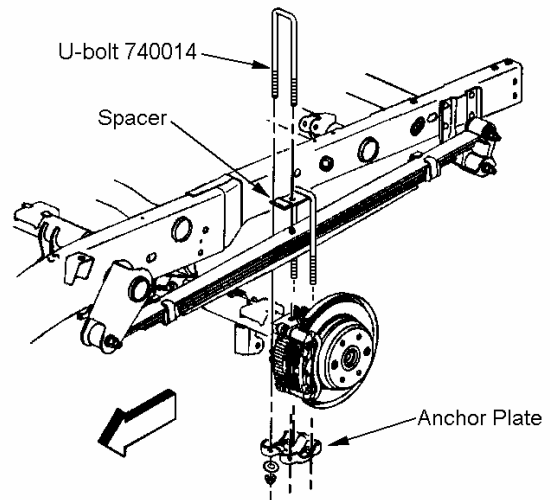


Illustration #5

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.

