

FOR RANCHO ADD-A-LEAF KIT

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION

Parts List

PART NO.	DESCRIPTION	QTY.
1392	Clamp, 2 1/2" (for 50212 only)	4
1399	Clamp, 3 5/8" (for 50012 only)	4
502	Add-A-Leaf	2
8046	Hardware kit	1
	5/16-18x1.25 FMCS	4
	5/16-18 Nyloc Nut	4
	5/16 SAE Washer	4
8302	C-bolt Nut Kit (for 50012 only)	1
	5/16-24 Nut	2
8325	C-bolt Nut Kit (for 50212 only)	1
	5/16-24 Nut	2
	3/8-24 Nut	2
8366	Center Bolt Kit	1
	5/16-24x5.0 C-bolt	2
8367	Center Bolt Kit (for 50212 only)	1
	3/8-24x5.0 C-bolt	2
8892	Instruction	1
94140	Consumer Information Pack	1

Recommended Tools

Floor Jack	Wooden Blocks (wheel chocks)
Jack Stands	Large C-Clamps or Bench Vise
Torque Wrench	Assorted Wrenches and Sockets
Hacksaw	Hammer
Punch	Locking Pliers
Safety Glasses	Vehicle Service Manual

1. Park the vehicle on a level surface. Set parking brake and chock rear wheels. Raise the front of the vehicle and support the frame with jack stands. Remove the front wheels.
2. If applicable, disconnect the axle vent hose. Support the front axle with a floor jack.
3. On the driver side, remove the U-bolts holding the leaf spring to the front axle.
4. Remove the leaf spring pivot bolts (eye bolts). Carefully lower the axle and remove the spring.
5. Secure the spring assembly with two large C-clamps (as shown in figure B on back of page) or a bench vise. Hold the head of the center bolt with locking pliers. Remove the center bolt nut and bolt.
6. Carefully remove the C-clamps. If the bottom two leaves are less than 44 inches long, set them aside. On some vehicles, leaf #1 is optional. Refer to figure B.
7. Attach new alignment clamps to Add-A-Leaf with the supplied flat head screws and nyloc nuts. See figure A. Tighten the nuts to 15 ft. lbs.
8. Place the Add-A-Leaf in the spring pack as shown in figure B. Keep the progressive order of longer leaf on top.
9. Insert the new center bolt (from the bottom) through the spring assembly. Install the new nut and slightly tighten. Do not compress the spring pack with the center bolt.
10. Reinstall the C-clamps and compress the spring pack. Tighten the center bolt nut to 20 ft. lbs. Bend the new alignment clamps over the top of the main leaf.
11. Remove the C-clamps. If necessary, cut off the excess threads of the center bolt and flat head screws.
12. Attach leaf assembly to mounting brackets with the original pivot bolts. Do not tighten pivot bolts until vehicle is at normal ride height.
13. Attach axle to leaf spring with U-bolts. Tighten U-bolts nuts **evenly** to manufacturer's specifications.
14. Repeat steps 3 through 13 for the passenger side.
15. If applicable, reconnect the axle vent hose.
16. Install wheels and lower vehicle to ground. Tighten lug nuts to manufacturer's specifications.
17. Tighten the pivot bolts to manufacturer's specifications (25-50 ft. lbs. on the shackle end and 65-90 ft. lbs. on the fixed end).

CAUTION: Before removing the center bolt, the potential elastic energy stored by the leaf spring must be contained.

5. Secure the spring assembly with two large C-clamps (as shown in figure B on back of page) or a bench vise. Hold the head of the center bolt with locking pliers. Remove the center bolt nut and bolt.

NOTE: To remove a rusted center bolt, a hammer and punch may be required.



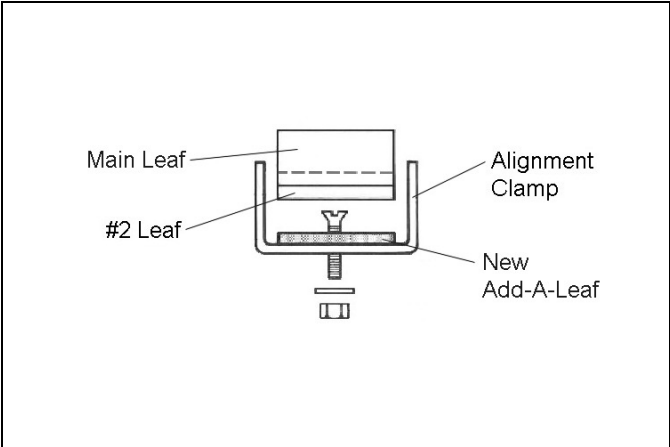


Figure A

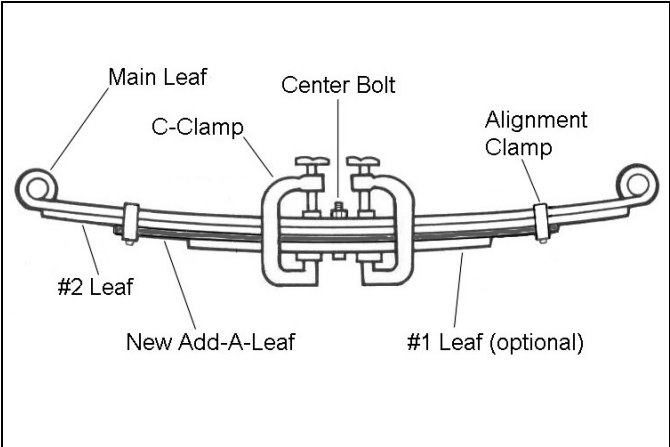


Figure B