

INSTALLATION INSTRUCTION

88178

Rev A

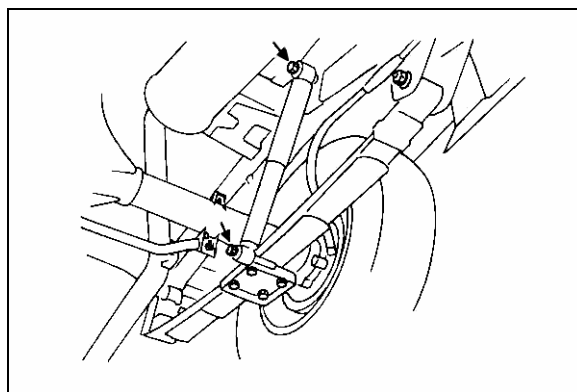
FOR RANCHO QUICKLIFT SYSTEM **RS70078**: NISSAN XTERRA

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION

Parts List

Part No.	Description	Qty.
334	Add-A-Leaf	2
7414	U-Bolt	4
8011	Hardware Kit	1
	1/2-20 Nylock Nut	4
	1/2 SAE Washer	4
860410	Center Bolt Kit	1
770025	3/8-24 Hi-Nut	2
770091	3/8-24 Center Bolt	2
88178	Instruction	1

3. ☐ Remove the upper and lower mounting hardware from the left rear shock absorber (driver side). See illustration 1.

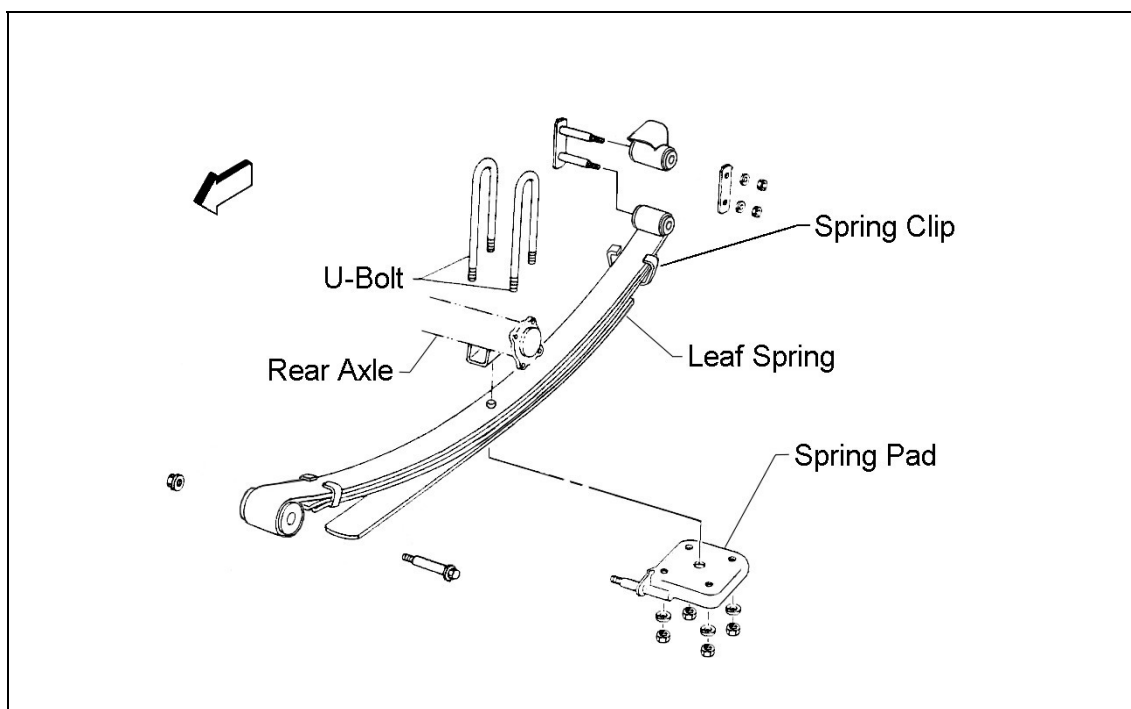


Illus. 1

ADD-A-LEAF INSTALLATION

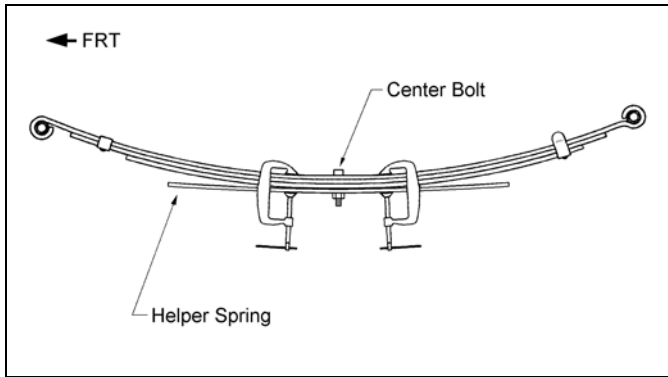
NOTE: Remove U-bolts and install Add-a-leaf one side at a time.

- ☐ Chock front wheels. Raise the rear of the vehicle and support the frame with jack stands. Remove rear wheels and set them aside.
- ☐ Support the rear axle with a floor jack. Disconnect the end links from the sway bar.
- ☐ Remove the left rear shock.
- ☐ Bend the rear spring clip open at the top. Remove the U-bolt nuts, spring pad, and U-bolts. See illustration 2.



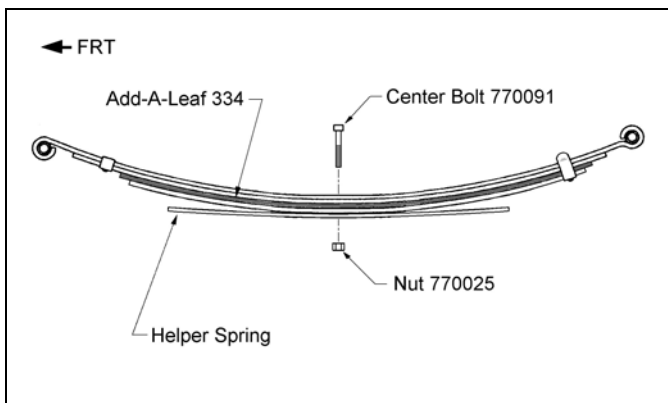
Illus. 2

6. ☐ Hold the spring assembly securely together with two c-clamps (illustration 3).



Illus. 3

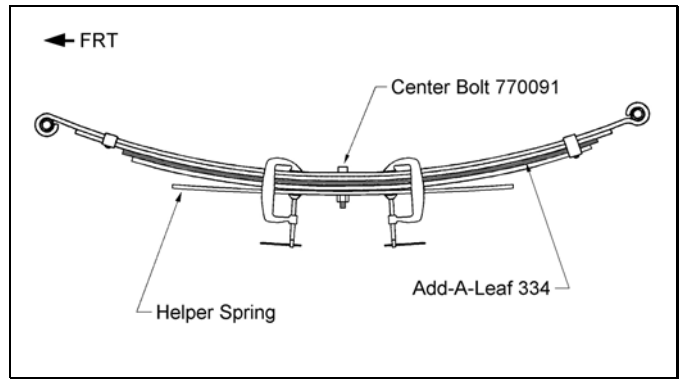
7. ☐ Mark the front of the helper spring for installation reference. Remove the center bolt
8. ☐ Carefully remove the C-clamps. Set the helper spring aside. Remove the bottom leaf with rear spring clip.
9. ☐ Lightly grease the tip sliders of new add-a-leaf 334. Place the add-a-leaf on the bottom of the existing spring pack (short side forward). Reinstall leaf with clip and helper spring. See illustration 4.



Illus. 4

10. ☐ Insert a new center bolt (770091) from kit 860410. Loosely secure the assembly with the supplied nut (770025). **Do not compress the spring with the center bolt.**
11. ☐ Compress the spring assembly with two C-clamps. Tighten the center bolt nut to 25 ft. lbs. Bend the rear spring clip over the top leaf. See illustration 5.
12. ☐ Remove the C-clamps.

NOTE: Trim the new center bolt if the threads extend more than 1/2" below the nut.



Illus. 5

13. ☐ Align the head of the center bolt with the hole in the axle pad. Reinstall the original spring pad.
14. ☐ Attach the axle to the leaf spring with the new U-bolts and hardware from kit 8011. If necessary, enlarge the U-bolt holes in the original spring pad to 17/32". Tighten the U-bolt nuts diagonally to 72-80 ft. lbs.

NOTE: The amount of U-bolt threads exposed should be equal after tightening the nuts. Trim the U-bolts if they extend more than 1/2" below the nut.

15. ☐ Repeat steps 3 through 14 to install add-a-leaf 334 on the passenger side.
16. ☐ Install new Rancho shock absorbers (recommended but not necessary). Tighten mounting nuts to 30-37 ft. lbs.
17. ☐ Reinstall end links. Tighten the end link nuts to 30-35 ft. lbs.
18. ☐ Install rear wheels and lower vehicle to the ground. Tighten the lug nuts to 87-108 ft. lbs.