

#113201

Add-A-Leaf



READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS PRIOR TO INSTALLATION OF SYSTEM AND OPERATION OF VEHICLE.

Pre-Installation Note: Leaf springs contain a large amount of stored energy. Failure to follow the instructions can result in severe injury. Use caution and follow instructions carefully. Consult an OE service manual for specific model and model year for additional detailed instructions.

INSTALLATION INSTRUCTIONS:

1. Park vehicle on a clean, flat, and level surface. Block the rear wheels for safety.
2. Raise front of vehicle and support with jack stands under the frame.
3. Remove front wheels.
4. Raise the front axle with a floor jack and support axle with jack stands. Remove the rear shocks, retain hardware.
5. If working on vehicles that have a lot of corrosion/rust it is a good idea to clamp the leaf pack together before removing the u-bolts. This will provide an extra level of caution in the event the center pin is weakened due to corrosion.
6. With jack stands supporting the front axle remove rear axle vent hose from the top of the axle tube. Remove the rear U-bolts and spring plates. Discard U-bolts, retain spring plate.
7. Lower the axle to allow for spring removal. Note: Do not overextend the brake lines, etc. Note orientation of bolts (outside-in or inside-out) remove spring eye bolt and shackle bolts. Remove springs from vehicle.
8. Use c-clamps to clamp the spring assembly together. Caution: do NOT remove the center pin with out the leaf pack clamped together.
10. Remove leaf pack center bolt to allow leaf pack disassembly. If pack is rusted it may be necessary to use a punch and hammer to remove center pin.
11. Remove extra set of clamps if they were installed in step 5.
12. Slowly expand the C-clamps until pressure is removed

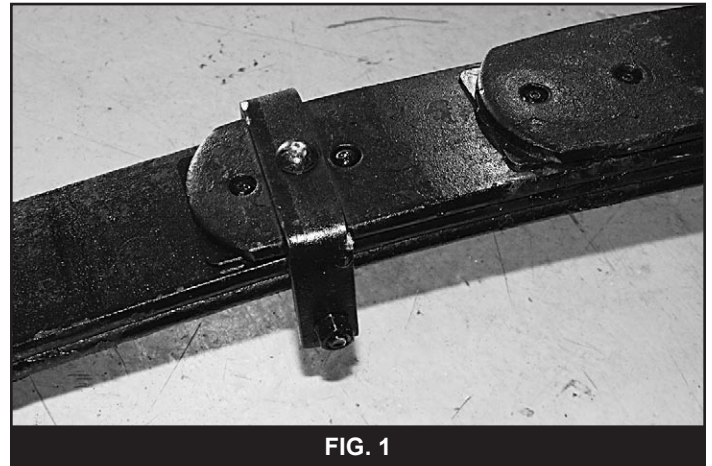


FIG. 1

from leaf pack.

13. Place new add-a-leaf into pack so that the pack resembles a pyramid with the longest leaf at the top. There may be interference from the OE Hendricks clamps or from the spring clamp on the add-a-leaf. (Fig. 1)

Note: The strap that is pinned to the add-a-leaf will need to be rotated 90 degrees. If this strap will clear the other leaves it will be formed around the leaf pack with a ham-

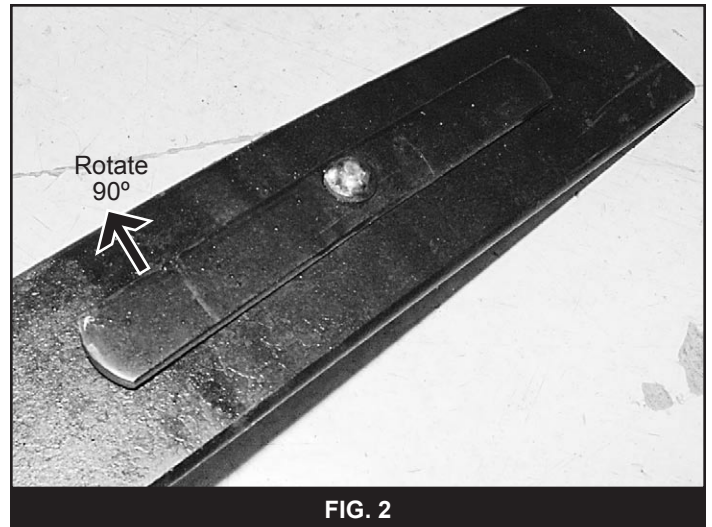


FIG. 2

mer once the assembly is secured. (Fig. 2)

14. If there is interference, remove the clamp and hardware that causes the interference and prepare the pack for re-assembly, which included greasing the anti-friction pads.

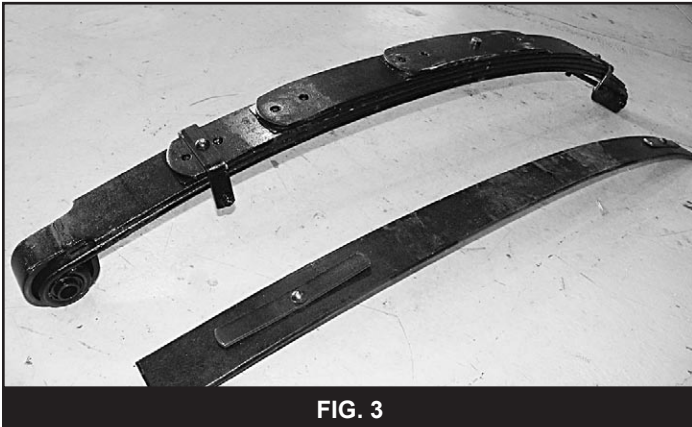


FIG. 3

(Fig. 3)

15. Use c-clamps to draw the leaf pack together, do NOT use the center pin. Ensure that all of the holes for the center pin are aligned. Once the pack is compressed with the c-clamp use a NEW center pin to secure the leaf pack. Trim the excess from the center pin.
16. Install the springs and shackle back onto the vehicle. Do NOT tighten the hardware at this time. Make sure that the bolts are run from the correct direction and the head of the center pin is seated correctly. Install the new u-bolts with the OE spring plates. Snug the U-bolts at this time, but do not torque to factory specifications. Ensure that U-bolts are aligned properly (parallel to each other and perpendicular to the spring plate).
17. Reconnect the axle breather hose and install replacement shocks. Tighten shock hardware to OE specifications. Note: Original shocks will probably be too short to reconnect, or too short for safe vehicle operation.
18. Lower the vehicle to the ground. Bounce on the front of vehicle several times to settle the suspension. Tighten the leaf spring and shackle bolts to OE specifications. Tighten u-bolts to factory specifications. Inspect for proper clearance.
19. Recheck u-bolts after 100 miles for proper torque.
20. Check all fasteners after 500 miles.