

Add-A-Leaf

Ford Super Duty F250/F350 Pickup | 2017-2020

Part #: 013219 Rev. 110419



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SAFETY WARNING

BDS Suspension Co. recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

INSTALLATION INSTRUCTIONS

1. Block the front wheels for safety.
2. Raise the rear of the vehicle and support with jack stands under the frame rails just ahead of the spring hangers.
3. Remove the wheels.
4. Support the axle with a hydraulic jack.
5. Remove the shocks. Retain all mounting hardware and shocks unless they are being replaced.
6. Disconnect the passenger's side spring U-bolts. Loosen the driver's side to allow the axle to droop out.
7. Lower the axle and remove the lift block, save for later installation.
8. Clamp the main leaf pack together with C-Clamps. Remove the center pin nut and center pin.
9. Allow the C-Clamps to expand. Remove the locating dowel that holds the overload to the bottom main spring. Discard the locating dowel it will not be reused.
Note: The locating dowel will be discarded and will NOT go into the add-a-leaf.
10. Install the Hendricks clamps onto the add-a-leaf to the bottom side of the leaf spring using the 5/16" countersunk bolt and nut from Bolt Pack 604. Install the anti-friction pads into the add-a-leaf.

013219 Box Kit		
Part #	Qty	Description
113219R	2	Add-A-Leaf
105	4	.500 x .049 x 3.125 Sleeve
604	1	Bolt Pack - Clamps
01016	4	3" Wide Leaf Alignment Clamp
1360017	4	Tip Insert
760600FCP	2	7/16 x 6 Center Pin w/Nut

FIGURE 1



11. Install the add-a-leaf below the main leaf pack and above the overload. The add-a-leaf has 2 holes in it. Position add-a-leaf so there is 22" between the center pin hole and the front, and 23" to the rear from the center pin hole.
12. Assemble the leaf spring with the factory overload, add-a-leaf, main leaf pack, and top mounted overload springs if equipped, and upper U-bolt plate with the provided center pin going through all of the leaf spring pack. Tighten center pin nut to 20 ft-lbs.
13. Install the sleeve to the Hendricks clamp using the provided 3/8" hardware from Bolt Pack 604.
14. Raise the axle to engage the block spring alignment pins. Fasten the entire assembly with the provided U-bolts, washers, and nuts. Snug but do not torque the U-bolts at this time.
15. Repeat add-a-leaf installation of the driver's side. Take care not to over extend the brake or ABS lines.
16. Install the shocks with the original mounting hardware.
17. Install wheels and lower the vehicle to the ground.
18. With the weight of the vehicle on the axle, torque the U-bolts to 130-150 ft-lbs.
19. Check all hardware for proper torque.