



## Installation Instructions #006 Wheeler's Off-Road Add-A-Leaf Kit

	<b>NOTICE</b> Read instructions completely before installing this product. Refer back to the instructions frequently during installation.		<b>CAUTION</b> Flying Object Hazard. Fluid Splash Hazard. Wear safety glasses at all times when working on vehicle.
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### Caution

1. Read all instructions completely and carefully before you begin. If anything is not clear, please call our tech support line at (541) 474-2879 or e-mail [support@wheelersoffroad.com](mailto:support@wheelersoffroad.com) before proceeding.
2. Check to make sure the kit is complete and that no parts are missing. If anything is missing, please contact Wheeler's at (541) 474-2879 or e-mail [support@wheelersoffroad.com](mailto:support@wheelersoffroad.com).
3. Park vehicle on a clean, dry, flat, level surface and block the tires so the vehicle cannot roll in either direction.
4. This product is for off-road use only. It is recommended that the installation steps below be performed by a competent mechanic. Buyers and users of this product hereby expressly assume all risks associated with the installation and use of this product.
5. This installation is typical for most vehicles. Some years or models may vary. If necessary, refer to the proper Factory Service Manual for the year and model of your vehicle.



**Note:** On some years and/or models, you may need to remove the front clamp from the Add-A-Leaf to avoid interference with the overload spring and gas tank strap.

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**WOR-307178**

## Installation Instructions

1. Lift the rear of the vehicle and place jack stands on the frame so the rear tires almost touch the ground.
2. Remove the rear tires.
3. Disconnect the rear shocks at the axle.
4. Support the rear axle with a floor jack and loosen all four u-bolts. Remove the U-bolts and U-bolt clamp plate from one side.
5. Slowly lower the axle until the axle housing is clear of the leaf spring. You can loosen the brackets that hold the brake line Y-block and steel line to the axle housing and carefully allow them to flex to get a little more length out of the brake line for ease of installation, if necessary.
6. With the appropriate C-clamps, clamp the spring together and remove the center pin; you may have to use vise grips to hold the smooth head of the centering pin.
7. Carefully remove the clamps when the center pin has been removed.
8. Place the Add-A-Leaf in the spring pack, positioning it so the pack is stacked from longest to shortest. Usually the leaf fits in the pack just under the factory leaf with the clamps on it. Note that if the leaf is shorter in length on one side of the center pin hole compared to the other side, the short side of the leaf goes forward. The anti-friction pads mount in the holes on the ends of the leaves face up. (NOTE FOR MULTI-LEAF AAL INSTALLATIONS: The multi-leaf Add-A-Leaf packs are designed to replace your factory overload leaf for maximum performance. In some cases customers have opted to retain the factory overload leaf for extra load stability and additional ride height.). Be sure to install the alignment clamp bolts on your multi-leaf AAL packs so that the nut is facing the outside of the truck when installed on their respective side.
9. Re-clamp the leaves and align the bolt hole in the center to insert the center pin and tighten securely. Then cut off the extra length on the center pin so that 1/8" is protruding beyond the nut so the factory bump stop can be reinstalled.
10. Raise the rear axle onto the spring assembly. Make sure the center pin seats into the axle perch properly.
11. Re-install the U-bolts and clamp plates. Torque the U-bolt nuts lightly at this time.
12. Repeat Steps 4-11 on the other side, then torque all the U-bolts to factory specs. Try to get the same amount of U-bolt protruding through each nut.
13. Reconnect the rear shocks. Re-torque the U-bolts after 300 miles.

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