



## Add-A-Leaf Installation Instructions I-FFAL

**Note: Check U-Bolt length prior to disassembly, Longer U-Bolts may be required.**

1. Park the vehicle on flat level ground. Set the emergency brake and block the tires.
2. Raise the vehicle so that the tires slightly touch the ground. Support the frame rails using jack stands.
3. Remove the U-Bolts from one side only. Remove the spring eye bolts and remove the leaf spring from the vehicle.
4. Place 2 C-Clamps around the leaf spring as shown in Photo #1. Tighten C-Clamps against the leaf spring.
5. With C-Clamps tightened onto leaf spring, remove the center tie bolt using a pair of vice grips to hold the head of the bolt. "Slowly" remove the C-Clamps to release the spring tension.
6. Note the location of the tie bolt hole in the add-a-leaf. If the hole is not centered, measure the factory spring to determine the long end and short end. Be sure to install the add-a-leaf with the long end towards the long end of the leaf spring. Install the new add-a-leaf onto the "bottom" of new leaf spring. If installing more than one leaf per side, install the longest first, then the shortest.
7. Use a screw driver to line up the tie bolt hole in the leaves. It is recommended to leave the screw driver in to help keep the leaves aligned as you tighten the C-Clamps. Tighten until there is enough space to install the new tie bolt. With tie bolt installed, tighten the nut by hand. Then continue to tighten the C-Clamps. Repeat this process until leaves are pulled together. See diagram below. **DO NOT USE THE TIE BOLT TO PULL THE LEAVES TOGETHER. THIS CAN RESULT IN AN EXPLOSIVE DISASSEMBLY AND POSSIBLE INJURY!**
8. Tighten the center tie bolt to torque specifications provided.
9. Reinstall leaf spring into the vehicle. Install U-bolts. Repeat this process on the opposite side.

### **Torque Specifications:**

**3/8" Tie Bolt = 17 Ft. Lbs.**

**7/16" Tie Bolt = 27 Ft. Lbs.**

**1/2" Tie Bolt = 41 Ft. Lbs.**

