

INSTALLING THE 11" FOLD-OUT EXTENSION AND/OR TORSION ASSIST SPRING - MINI, 500, 1000, 1300, & 1600 SERIES

- Step 1. If installing a torsion assist spring only go to step 5.
- Step 2. Lower the platform to the ground, making sure it is on a level surface. To avoid risk of a 12 volt electrical short, disconnect the #4 power cable from the positive side of the battery.
- Step 3. Center the optional extension next to the original platform.
- Step 4. At each end of the extension are mounting brackets (1/4"x1-1/4"x4") which secure the extension to the original platform. Flip the mounting brackets out and place them flat on the original platform surface. Spot weld the outside edge of both mounting brackets and then fold in the extension so that it is now laying flat on the original platform surface. Finish welding the outside edge of the two mounting brackets to insure that the extension will lock into place.
- Step 5. Reconnect the liftgate's main power cable to the positive side of the battery. Make sure the platform is in a closed and latched position.
- Step 6. Remove the 1/2"x2" cotter pin from the hinge tube on the driver's side only.
- Step 7. Insert the assist spring into the hinge tube from the passenger's side of the Tommy Gate on the underside of the cotter pin.
- Step 8. Replace the driver's side cotter pin and open the platform. (NOTE: Make certain the driver's side cotter pin is installed on the same side of the spring as the passenger's side.)
- Step 9. Tap the spring holder onto the end of the assist spring and position it to the inside of the lid end.
- Step 10. Attach the passenger's side assist spring to the lid channel by placing the 5/16" u-bolt through the two holes in the lid channel and bolting it on the underside. Close and latch the platform. Do not tighten the u-bolt at this time.
- Step 11. With the platform closed, use a large crescent wrench and turn the spring holder counterclockwise and attach it to the threaded slug on the side of the liftgate with a 3/8"x1-1/4" bolt. Rotation of the hinge tube will assist you in aligning the bolts with the spring slugs on the upright fronts.
- Step 12. Place the safety clip over the spring holder and attach it with a 3/8"x3/4" bolt. **THIS STEP IS VERY IMPORTANT.**
- Step 13. Tighten the 5/16" u-bolt and cut or grind off any excess bolt sticking out the lid end. When grinding, wear some type of eye protection.

