FLIP PACK Torsion Bar and HINGE Installation Instructions

Torsion Bar PN 2920, Hinge Kit PN 2920-10

Thank you for purchasing our product. Sway-A-Way strives to produce the highest quality product in both form and function.

Note: Read the entire instruction sheet prior to starting your installation. This kit MUST be installed by a qualified mechanic.

Tools required for the work.

Hammer

¼” diameter steel punch

5/32” allen wrench

½” socket and ratchet wrench.

1. Remove your camper from the vehicle it is mounted on. This will make it much easier to remove and replace the torsion bar and or the hinges.
2. Lift up the top of the camper so that it is 90 degrees to the ground. Secure the camper shell in this position so that it cannot fall during installation. One person on each side of the camper top can hold the top in the vertical position. This is the position where there is no preload on the torsion bar. If the torsion bar is broken, you can skip this step for removal of the old parts and go to Step 5.
3. Loosen the set screw on the collar on the driver side of the torsion bar and remove the collar. At this point, you should be able to drive the bar towards the driver side from the passenger side of the truck with a hammer and steel punch. **Make sure that the camper top is still secure and cannot fall before driving the torsion bar.** Drive the torsion bar about 1" until the torsion bar is disengaged from the right splined hinge.

4. **After the torsion bar has been driven 1”, lower the camper top back down on top of the bottom shell.** Some hinges are very rusty and it may be difficult to drive the torsion bar out. If so, soak the hinge parts around the torsion bar with WD 40 or some other rust penetrant overnight. Push the bar through the driver side hinges and remove the bar. Some campers came with a protective cover over the torsion bar. If it is in good condition, you can reuse it, but it is not required.

5. Remove the hinge bolts from the side of the top and the bottom parts of the camper. There are three bolts on each hinge.

6. Remove each hinge part from the camper. There may be steel spacers on the top and bottom of the hinge inside of the tube they mount into. These can be discarded as they will not be reused. Sometimes the hinge parts are rusted into the tube they fit into. Use the same procedure as above to loosen them.

7. Thoroughly clean out the inside of the tube where the hinge parts are installed. When clean, paint the inside of the tube with a good rust inhibiting paint and let it dry.

8. Install the four hinge parts per the drawing and the way you removed them. Use a splined hinge and bearing hinge on each side. On the right side of the camper, the splined hinge part should be mounted to the bottom of the camper and to the outside of the two hinge parts. The bearing hinge should be mounted into the top and on the inside of the other hinge. On the left side, the placement of the hinges is the same except that the bearing hinge is mounted to the bottom and on the outside and the splined hinge part is mounted into the top and on the inside of the bearing hinge. The bearing hinge has the large hole in it that the plastic bearing goes into. Use the six stainless bolts, washers and lock washers provided. Torque the bolts to 40 ft-lbs.

9. Be careful not to scratch the paint on the torsion bar. Feed the torsion bar through the bearing hinge on the left side and through the splined hinge. Continue pushing the bar through to the right side and feed it into the plastic bearing inside of the bearing hinge. **Do not engage the spline in the splined hinge on the far right side.** Lift the top of the camper up so that it is 90 degrees to the ground. **Secure the camper shell in this position so that it cannot fall during installation.** Gently tap the end of the torsion bar on the left side until the torsion bar fully engages the splined hinge on the outside of the right hinge. You may need to move the top slightly to one side or the other to get the teeth on the torsion bar to line up with the last hinge. Place the collar on the bar and tighten the set screw. When the bar is properly centered, the spline on the drivers’ side will stick out about 3/4" past the collar. This area of the spline is for the crank to lift and lower the top of the camper. Lower the top back on to the lower half of the camper shell using the factory crank.

10. Make sure to seal the hole where the hinge parts go into the tube in the top and bottom of the camper shell. This will keep the water out of the tube. Lay a bead of silicone between the hinge parts and the top and bottom of the shells.

11. Save these instructions for future use.
Remove these two bolts to free and replace broken hinge arm.

After hinge arm is replaced & tightened in place, use an overhead wrench to fill Flip-top to a 90 degree relation to the deck.

Torsion bar must be installed with top in this position. Install bar by reversing step #2, and then step #3.