

Thank You for purchasing the Samson tower mirror assembly for a Malibu Illusion tower.

Tools needed: 7/16 wrench
5/16 allen wrench

The mirror assembly should have the following parts (excluding wrenches):



Tower Clamp (C.N.C. machined to fit around the top of an Illusion Tower). Mirror arm that connects to the tower clamp on one end and to the mirror on the other. Dished mirror/arm adapter fitting (fits between the mirror arm and the mirror) Quick Release handle, Cipa 3 lens mirror and self locking nut. (Wrenches pictured not included).



Begin the installation by placing the mirror face down of a soft towel. Place the dished adapter piece on the stud that sticks out of the back of the mirror head.



Place the mirror arm on to the stud. You should have a few threads protruding through the hole in the arm.



Fig. 1

Fig. 2

Place the self locking nut on to the stud. You should be able to tighten the nut by hand a few turns. Once the nylon locking material starts to thread onto the stud, you will have to use a 7/16 wrench (Fig 1). Sometimes the stud may spin as you try to tighten the nut. You can prevent the stud from turning by placing the mirror face down on a towel and pushing on the arm (Fig 2). The arm will move back and forth on the convex, spherical plastic protrusion on the back of the mirror casing. Push the arm to one side until the arm stops. If you apply constant pressure on the arm, it will put the stud into a bind. You should be able to tighten the nut without the stud spinning while you are putting pressure on the arm. You should tighten the nut 2-3 additional turns after you tighten it as much as you can with your fingers.



Remove the 2 allen bolts on the top of tower clamp and remove the top half. Place the arm and lower part of the clamp on the tower. Most people place the arm on one side or the other of the grommets that are installed on the tower for future lights. If you have lights, you can install the mirror on either side of the light that is closest to the center of the tower. Once you decide on the best placement for your boat, install the top half of the clamp and tighten the 2 allen screws.

Do not put any tape or rubber on the tower or under the clamp. This will allow the mirror to vibrate.

Adjusting the mirror head:

Once the mirror is secured to the tower you can adjust the mirror head up and down and side to side. Start by sitting in the driver seat as you would sit normally. Adjust the center lens first. Using both hands grab the outside ends of the mirror housing. Twist the mirror housing up or down to adjust the angle of the center lens. (Do not push on the center lens to adjust it.) You can move the mirror side to side and up and down by moving the entire mirror and housing. It will take quite a bit of force-much more than adjusting the rear view mirror in your car. Once you have adjusted the center lens, you can adjust the outside mirrors by pushing on the corners of the side lenses. As you lose sight of your rider in the center lens, you want to have the outside mirror adjusted so that you can see him/her when they are outside the wake.



You can swing the mirror and arm out of the way for collapsing your tower by loosening the quick release lever 1 turn. You can also remove the mirror and arm from the clamp by removing the lever. The lever will always be able to align with the arm. Tighten the lever as tight as needed. If the lever is not in line with the arm, pick up on the black nylon handle. The teeth inside the lever will disengage. You can align the handle with the arm and let the lever spring back.