

Mirror Safety Clips and Bumpers by Jim Fitch

I did not like the original safety clips on the Obsession. I think they create diffraction spikes and could damage the edge of the mirror if the threaded eye-bolt were to make contact. Also, the original plastic bumpers are center drilled and do not allow clearance adjustments from the edge of the mirror. I decided to replace them.

I used 2 inch Delrin round rod, drilled off center to allow for clearance adjustments. I cut thinner pieces of the Delrin rod to make the safety clips. The mirror to bumper clearance can now be adjusted so the mirror's lateral position is always centered in the mirror box. The new safety clips do not create diffraction spikes and cannot damage the mirror's edge by contact.



These are the original bumpers and safety clips. Notice the thread imprints on the mirror in the left side picture. Also, note the flat rubbed into the bumper. I think that is caused by the strap trapping the mirror against that bumper during transport. (see Wire Sling article)

Below are the new bumpers and safety clips. Drilling the mounting hole off-center allows the bumper to be rotated to adjust clearance to the mirror's edge after the mirror has been centered in the mirror box. The safety clips are also drilled off center so they can swing out of the way when removing the mirror. That's not going to happen often with this beast!

I don't have photos of the top bumper, but it is made with smaller diameter material. There is less clearance between the mirror box and the mirror's edge at that position, but the safety clip is made the same way. I will have to remove that clip to get the mirror out, though.

