

## Applies To

Rear Leading Edge Replacement - All Models equipped with tip wands

## Introduction

On Talon rear leading edges, there have been three different methods used to secure the forward disk component of the wand receptacle assembly in the rear leading edge.

1. Original - 2001: Clevis pin (2C71) installed in 3/16" diameter holes in both leading edge and disk.
2. 2nd - late 2001 & 2002: Two 1/4" diameter brass eyelets (ID# 10T-0101) installed (light press fit) into 1/4" holes in leading edge and disk. Clevis pin (2C71) installed through eyelets.
3. Current - late 2002 and following: 7/32" diameter by 2.125" aluminum bushing (ID# 10T-1145) installed through 7/32" holes in leading edge and disk. Bushing ends flared and peened to retain bushing in place.

All U2's, Sport 2's and T2's use configuration three above.

## Additional Parts Required

- Configuration 1 and 2: no additional parts required  
Configuration 3: qty 1: 10T-1145 BUSH 3003 7/32 X .1908 X 2.125

## Tools Required

- Configuration 1, 2 & 3: Awl, ice pick or similar tapered, small diameter tool  
Configuration 2 & 3: Also need - Drill with 1/4" bit and 7/32" bit  
Hammer  
2 3/16 diam short screws with countersink heads  
2 3/16 diam short screws with panheads

## Procedures

1. Follow the instructions in your owner's manual for removing the old rear leading edge from the glider. You will have removed the 2C71 clevis pin and small safety in order to do this.
2. On configuration 2, carefully remove the two brass eyelets through which the clevis pin was installed. On configuration 3, use the drill with the 7/32" drill bit to carefully remove just the rolled over head from one end of the installed bushing through which the clevis pin was installed. Then insert the the pointed end of the 7/32" drill bit into the same end of the bushing and use the hammer to carefully tap the bushing out of the leading edge.
3. Take note of and record the alignment of the wand receptacle end cap in the rear end of the rear leading edge. This can be done by noting the alignment of the scribe mark on the cap with the adjustment label, or by using a sharp instrument to scribe across the cap and leading edge to mark the alignment.
4. Remove the set screw which secures the wand receptacle end cap in the rear end of the rear leading edge.
5. Pull the wand receptacle assembly out of the old rear leading edge.
6. The new rear leading edge will come drilled with a 3/16" diameter hole (Talons) or 7/32" diameter hole (U2, Sport 2, T2) in the location where the disk will be installed and secured. On configuration 1, for a Talon, or on a U2, Sport 2 or T2, no modification is necessary. On configuration 2, for a Talon, use the 1/4" drill bit to drill this hole out to 1/4" to accept the brass eyelets. On configuration 3, for a Talon, use the 7/32" drill to drill the hole out to accept the included replacement bushing. You should drill out each hole on each side of the tube separately, taking care not to enlarge the holes beyond the specified diameter.
7. Note that the hole that secures the wand receptacle disk to the wand receptacle is slightly off center in the disk, to one side of the hole in the disk that secures it within the leading edge. Note also that the hole in

wand receptacle end cap is farther off center. When the assembly is properly oriented for installation, both holes are off center in the same direction, and the hole in the disk through which the clevis pin passes is vertical. The receptacle will point slightly outward when installed. If the disk is rotated 180 degrees, the wand receptacle will point severely outwards.

8. Set the rotational alignment of the disk and end cap so that on each the holes are off center in the same direction, as described above. Set the alignment of the disk so that the vertical hole in the disk is aligned with the vertical hole in the rear leading edge.
9. Push the assembly carefully into the rear leading edge, maintaining the alignment of the disk. The hole in the disk should at least partially show through the hole in the leading edge tube. If not, remove the assembly and re-install.
10. Use the awl to align the hole in the disk exactly with the hole in the leading edge tube.
11. On configuration one, you are now ready to re-install the leading edge in the glider. Go to step 15.
12. On configuration 2, install the eyelets in the leading edge to secure the disk in place, and then proceed with step 15.
13. On configuration 3, push the 7/32" diameter bushing supplied through the holes in the leading edge and disk until it is centered in the tube with an equal amount protruding from each side of the tube.
14. Position the leading edge on a solid table (directly over one table leg) or on a concrete floor with the bushing vertical. Place a piece of steel plate underneath in the area of the bushing. Install one of the countersunk head short 3/16" screws into each end of the bushing. Use a hammer, striking the upper screw squarely, to flare both ends of the bushing. The bushing is fairly soft, so use only moderate force to start with. When the bushing is flared as shown in the photo, substitute the panhead short screws and use the hammer again to flatten the flared portion of the bushing against the tube.
15. Install the new rear leading edge in the glider and secure the sail with the clevis pin and safety, as described in the glider owner's manual.

