

Applies To:

Most RamAir 154's produced prior to January 1994.

In late 1993, Wills Wing introduced a new design for the RamAir VG rope holding cleat. The new cleat mounts to the back of the base bracket pulley mount at the bottom of the right downtube. A free retrofit kit is available on request with submission of glider serial number through any Wills Wing dealer to update any RamAir not fitted with the new cleat.

Contents Of Retrofit Kit:

Qty	Part#	Description	Bullet # In Drawing Below
1	10D-1161	Bolt NAS 603-16P	6
1	10C-5241	Bolt NAS 623-4-24	7
1	20C-1801	Jamcleat Knife V-Cut / Rope VG	28

Instructions For Installing The New Cleat:

- 1) Remove and discard the two bolts now holding the basetube pulley mount bracket to the back of the basetube end fitting (items 6 and 7 in the diagram).
 - 2) Remove the basetube pulley mount bracket (8), the pulley (5), and the pulley pin (4).
 - 3) Clean the inside bore of the pulley and the pulley pin.
 - 4) Apply a small amount of white grease to the pulley pin, and re-install the pin and pulley.
 - 5) Install the pulley mount bracket and the new VG cleat, with the cleat V-cut pointing inwards towards the center of the basetube as shown, using the two new longer bolts provided. **Do not over tighten the two bolts or the pulley will bind and not turn freely, greatly increasing the VG activation force.**
 - 6) We suggest you leave the original cleat in place on the basetube, as it provides a very convenient way to set the VG while on the ground.
- (Note: The slight forward bend in the VG cleat is intentional, and provides for more secure anchoring of the VG rope. Note also that this cleat will only work properly with VG rope of a specific diameter and resilience. Do not replace your VG rope with rope from any other source other than Wills Wing.)

