

PSB#090178  
 Installation of a Wonderhog Bridle Pin  
 September 1978

Wonderhogs of any model may be converted to a bridle pin closing method using a kit provided by the Relative Workshop. The specially designed pin allows the use of a non-elastic closing loop, which in turn permits a tighter pack. The pin will release with less than 10 lbs. of pull on the bridle, regardless of how tightly the container is packed.

The pin also allows a closing loop that goes through the main container from the: pack tray. This closing method was designed for freepacking (without a bag); the through-the-container loop keeps the container flat. (it is not necessary to use; a through-the-container loop for freepacking; . the loop may also, be -located on the V 2-1 bottom flap, as usual.)

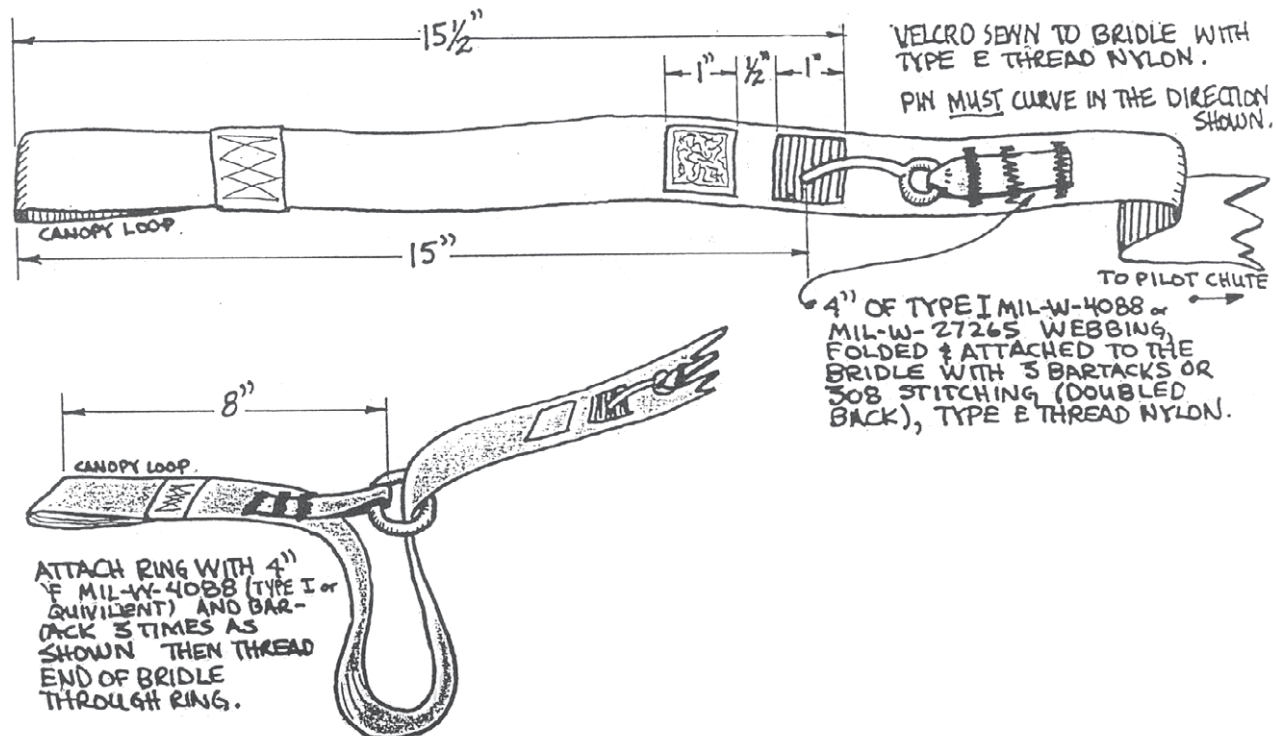
If the -owner wishes to install the through-the-container loop, some modification must be done to the bottom flap, the pack tray and the pilot chute bridle. If the owner does not intend to free pack, or intends to. free pack without ,the through-the-container loop, only the bridle needs to be modified and .a new, non-elastic loop inserted in the bottom flap.

The modification steps are listed below. The. Federal Aviation Regulations require that this work be accomplished by a FAA Master Rigger.

**Modifying the Bridle**

The main pilot chute bridle is modified by installing a curved pin, two Velcro tabs, and an optional bag stop ring. "These items are supplied in the kit, Refer to the Figure 1 for installation details.

FIGURE 1. MODIFYING THE BRIDLE.

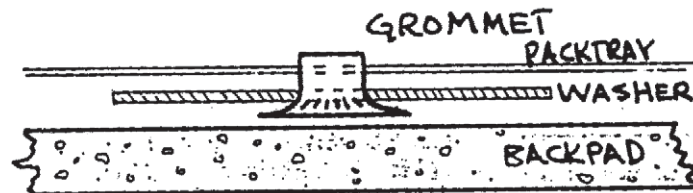


## Modifying the Container

If the through-the-container option is not chosen, the only change to the main container is to replace the elastic locking loop in the bottom flap with the 550-cord sheathing loop provided in the kit. The length of this loop may be adjusted so that the Velcro on the main cover flap mates neatly with the Velcro on the side flap. -The use of different canopies or packing methods requires this adjustment.

If the through-the-container option is desired a loop must be installed in the center of the pack tray. Follow these steps:

1. Locate and mark the center of the main pack tray
2. Place a small block of wood between the back pad and the pack tray. (The pad is not sewn to the container along its top edge along the reserve container.)
3. Using the wood block as a striking surface, punch a hole in the pack tray suitable for a size 0 spur grommet (brass).
4. Set the grommet in the hole backed with the larger plastic washer provided. The washer reinforces the hole and will prevent the grommet from pulling out. Refer to this drawing:



5. Insert the locking loop equipped with the smaller plastic washer. (provided) through the grommet. It will not fall out during normal use.
6. Use a punch to enlarge the 1/8" hole in the plastic of the lower flap to a size suitable for a size 0 spur grommet. Install the grommet. The rig is ready for use according to the separate packing instructions provided.
7. If another 1/8" hole is punched into the plastic next to the grommet, installed in Step 6, the rig may be used either with the through-the-container loop or with a loop installed in the bottom flap. Refer to Figure 2.

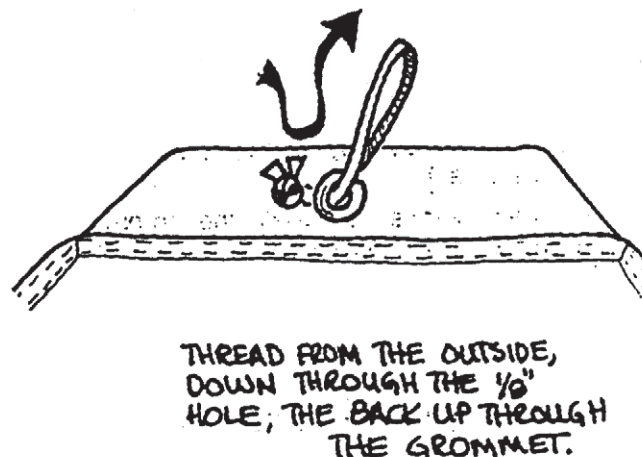


FIGURE 2.