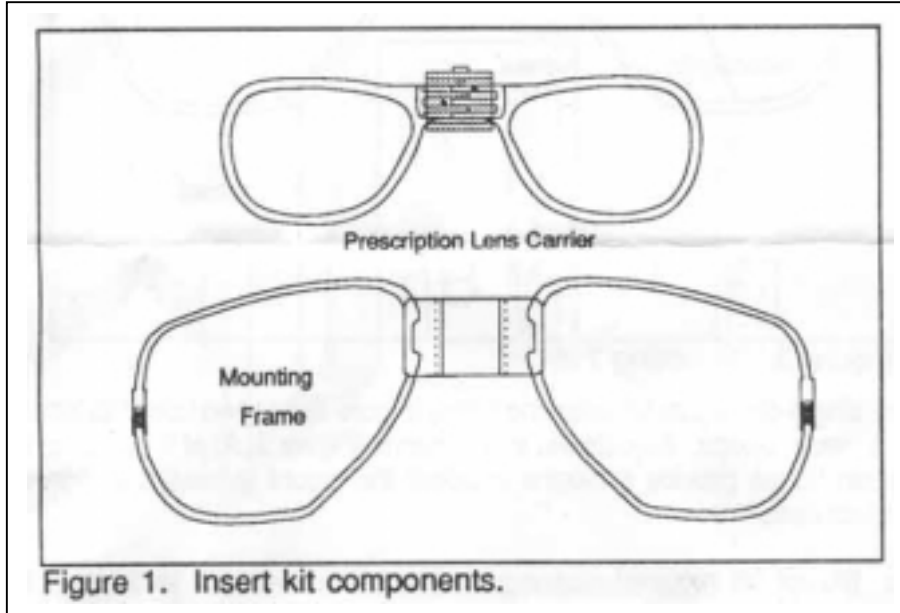
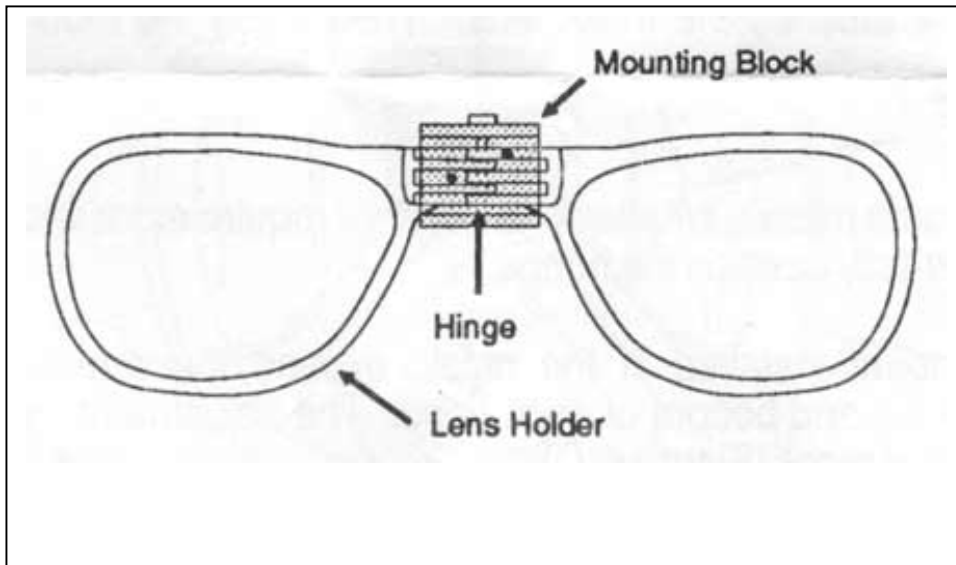


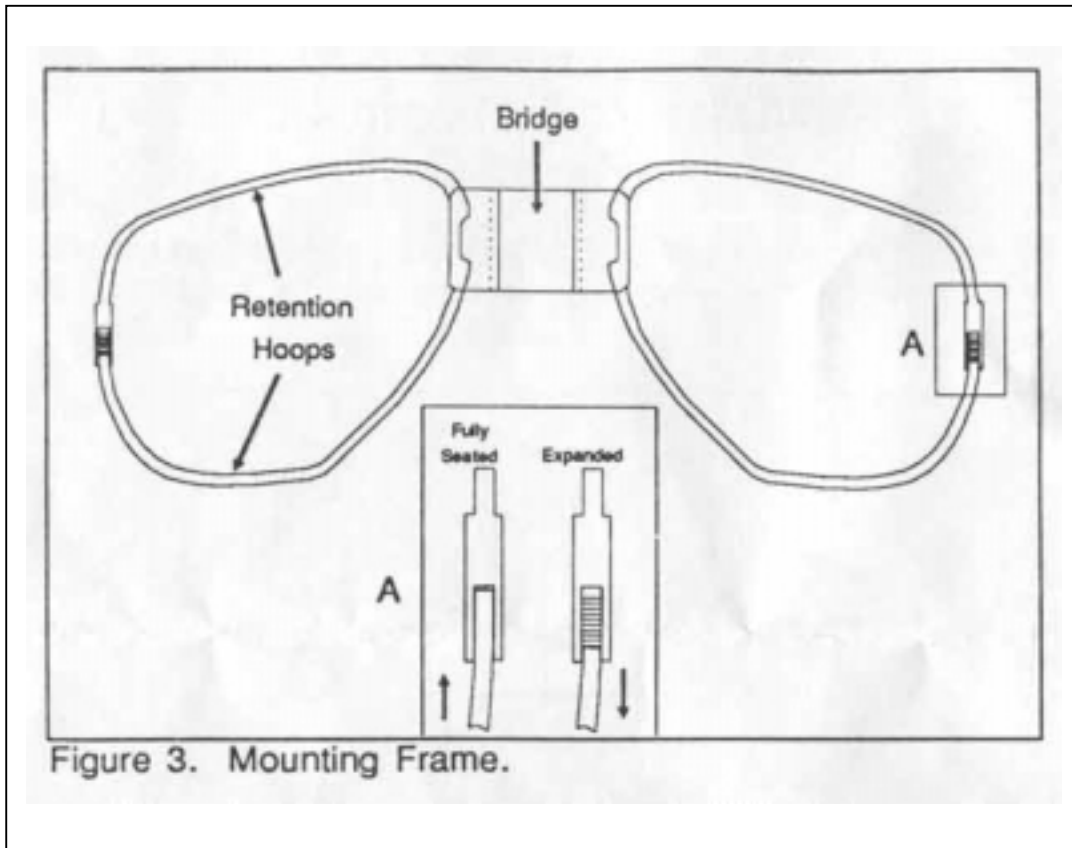
M40 Mask Optical Insert (Plastic)

Description: The optical insert (Figure 1) consists of a prescription lens carrier. This insert is designed for the M40 and M42 masks and mounts on a mounting frame. The mounting frame is a furnished separately as a mask accessory.



The prescription lens carrier (Figure 2) consists of separate right and left lens holders, a central hinge, and mounting block assembly. The mounting block is used to attach the prescription lens carrier to the mounting frame.





The single-piece plastic-mounting frame (Figure 3) has two hoops extending from a center bridge. Adjustment mechanisms (Figure 3, A) at the ends of the retention hoops provide a means to adapt the mount to masks of different manufacturers.

Use: Except for required cleaning, the insert must remain installed in the mask.

Installation: Connect the loose ends of the retention hoops by inserting the narrow end of the hoop into the channel (Figure 4, A). The adjustment mechanism should be fully seated (Figure 4, B). Install the mount frame in the mask (Figure 5) by first inserting left and right hoops into the mask lens wells until the mount touches the mask lens. Then press the mount bridge into place.

Note

For some masks, smaller lens wells will require extra effort to correctly position the hoops.

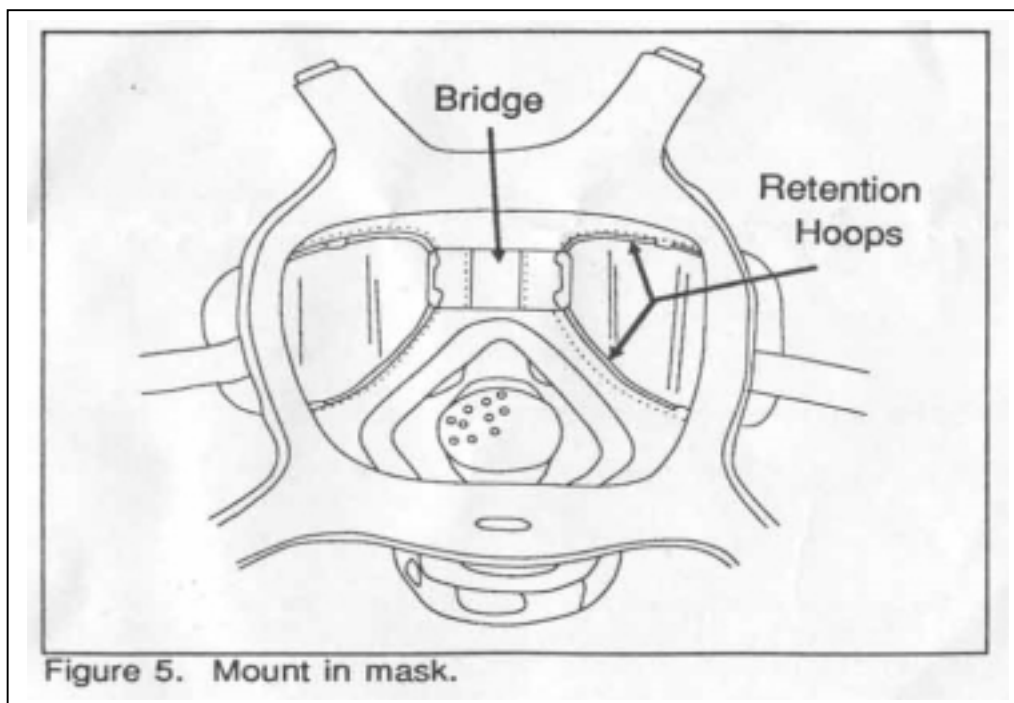
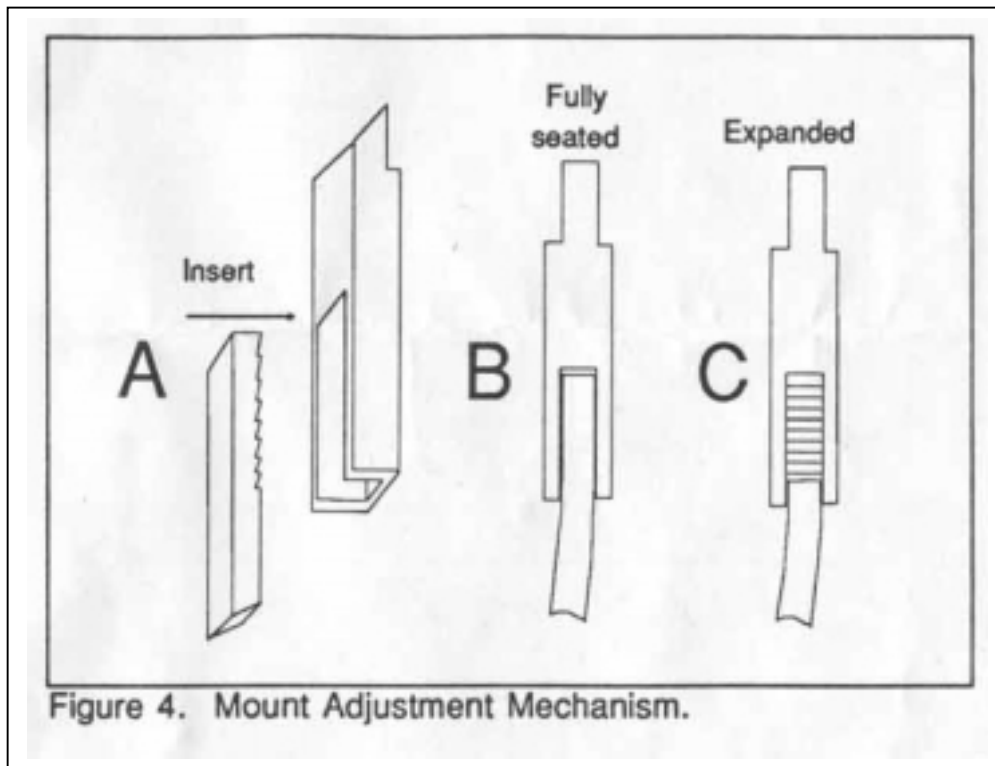
With the mount installed in the mask, expand the retention hoops by spreading the top and bottom of each hoop. The adjustment mechanism will hold the mount in place (Figure 4, C).

Warning

Before attempting to install the prescription lens carrier, loosen the set screws (Figure 6) until the points are flush with the surface of the mount block.

Next, the prescription lens carrier is installed by aligning the carrier's mounting block with the groove of the mount frame and slide the carrier into place.

Adjustment: Loosen set screws (Figure 6) prior to adjustment. The vertical height of the prescription lens carrier can be adjusted by sliding carrier upward or downward (Figure 7).



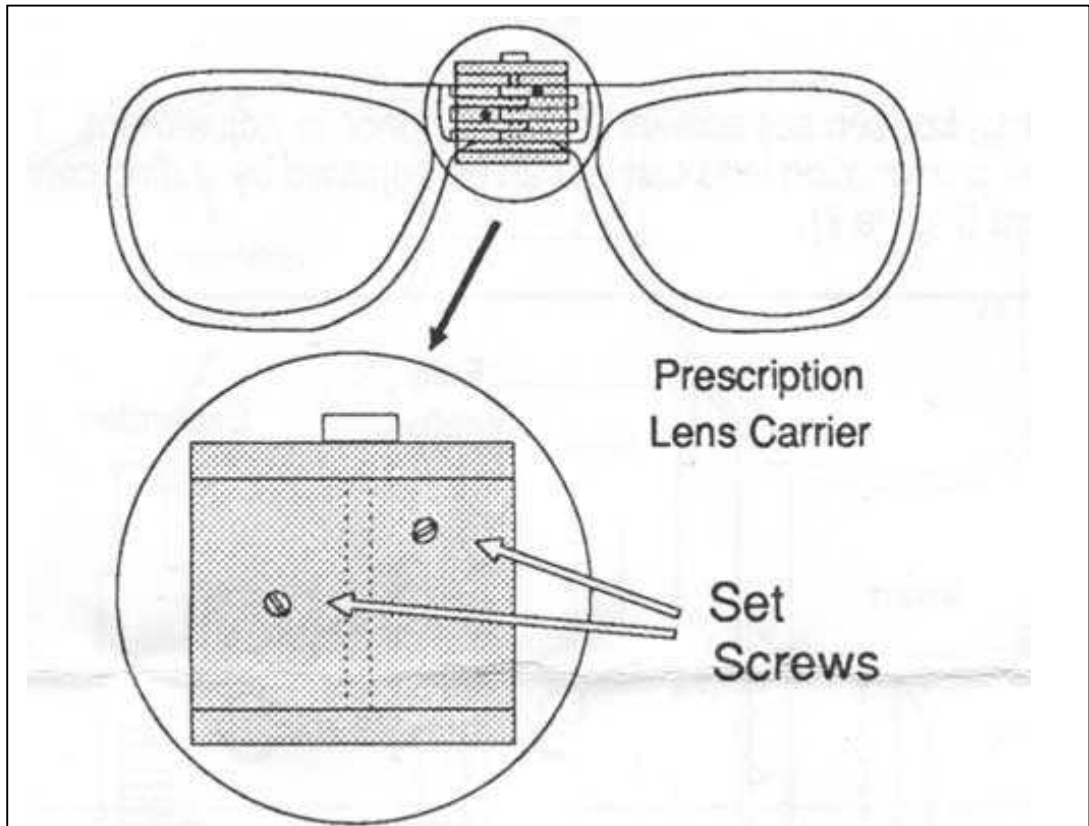


Figure 6. Installation/Adjustment

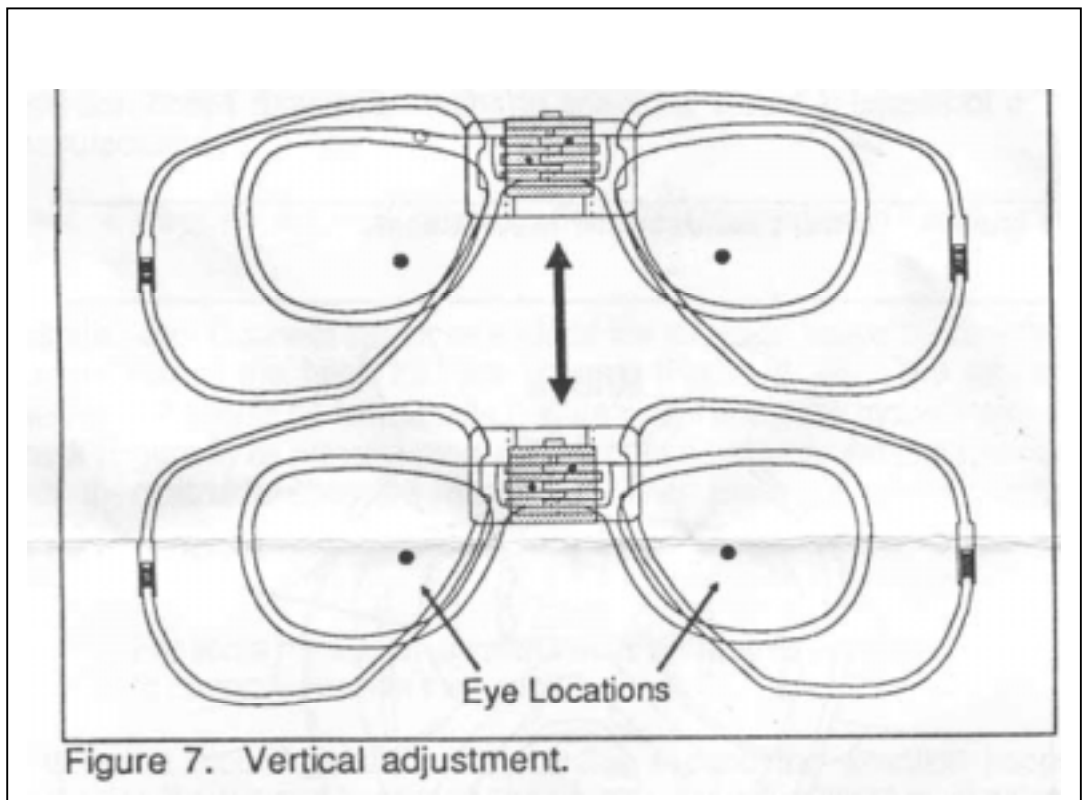


Figure 7. Vertical adjustment.

Removal: For routine removal, loosen lens carrier set screws (Figure 6), slide lens carrier upward until free of the mount, and remove. Grasp the mount frame at the bridge and pull to remove.

For expedient removal, grasp the prescription lens carrier and pull from the mask. If the lens carrier separates from the mount, grasp the mount at the bridge and pull to remove.