Removal and installation of the C.G. tow hook

Due to the reinforcements of the tow hook bulkheads the tow hook can no longer be removed or installed as described in the maintenance manual.
Until now the tow hook was removed by moving the hook forward. Now the hook must be rotated out of the bulkheads. To enable the rotation the cut out for the ring of the tow hook must be enlarged to the front.
In addition it is important that the tow hook can be moved by hand and not only with hammer strokes.
For this reason we recommend enlarging the cut out and to remove the tow hook whilst performing the reinforcement of the tow hook bulkheads, to make sure that the tow hook can be moved by hand.
If it is known that the tow hook can be moved by hand, e.g. from the last removal and installation the following instruction need not be performed until the tow hook must be removed for some reason e.g. for overhaul.

1) Enlarge the cut out for the ring of the tow hook according to photos 1 and 2, width approx. 27 mm (1.06 in.), round the junctions to the hole for the ring.. Best to use a hard metal or diamond coated grinding tool.
   Also remove approx. 2 mm (0.8 in.) from the upper and lower side of the installation face of the tow hook access cover, see photo 1 area A.
   Warning: Don't damage tow hook and tow hook bulkheads.
   Caution: In case the reinforcement of the tow hook bulkheads hasn't been performed already, remove the tow release as described in the maintenance manual.

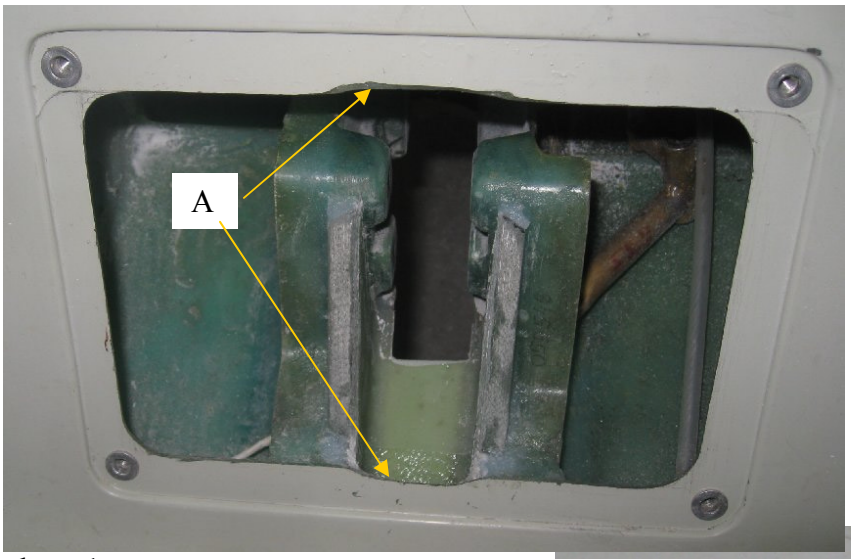


photo 1

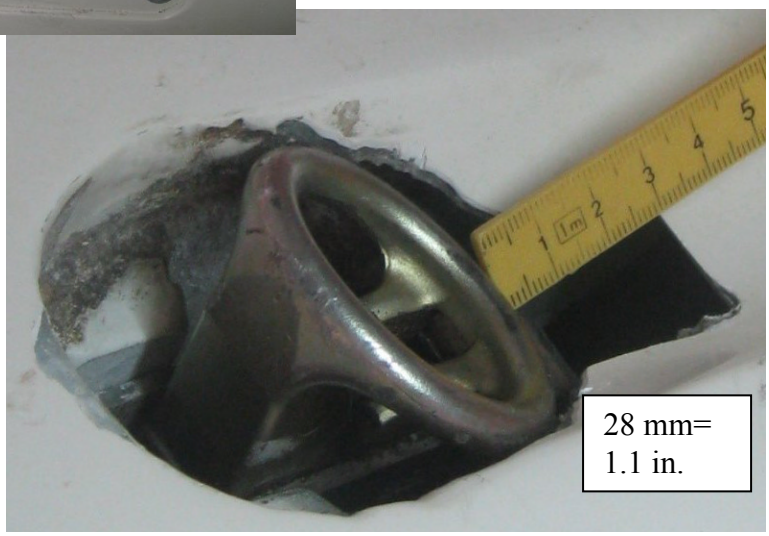
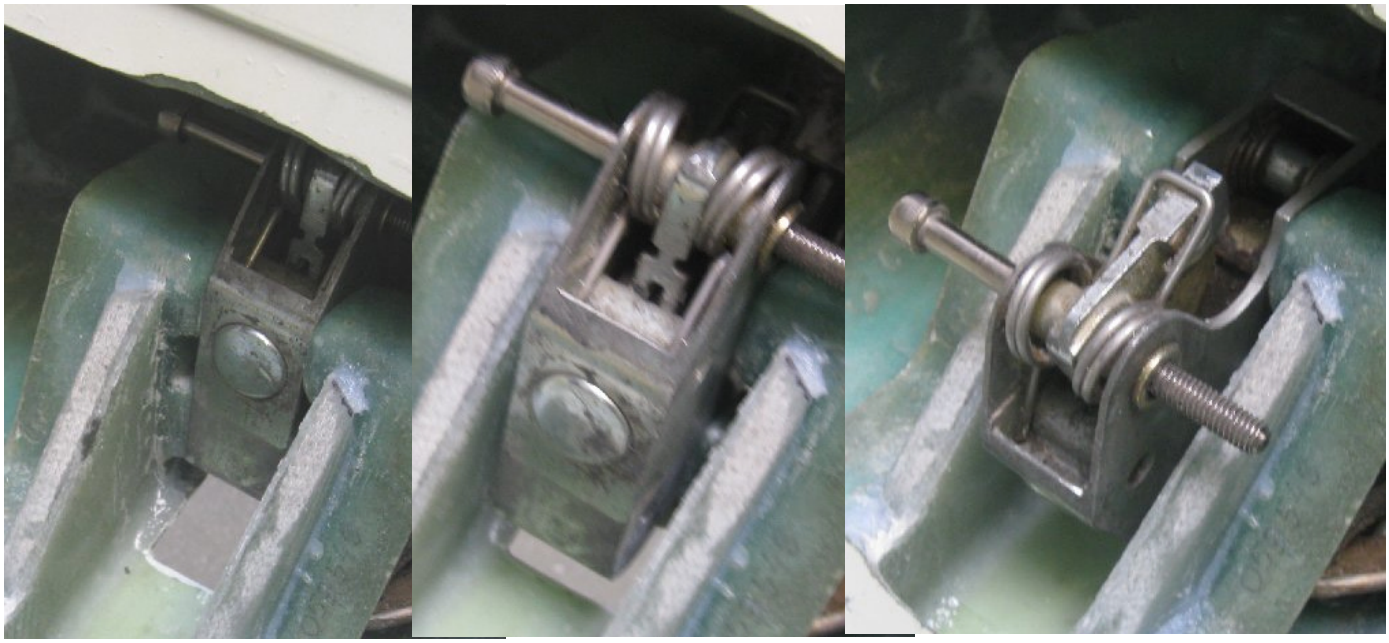
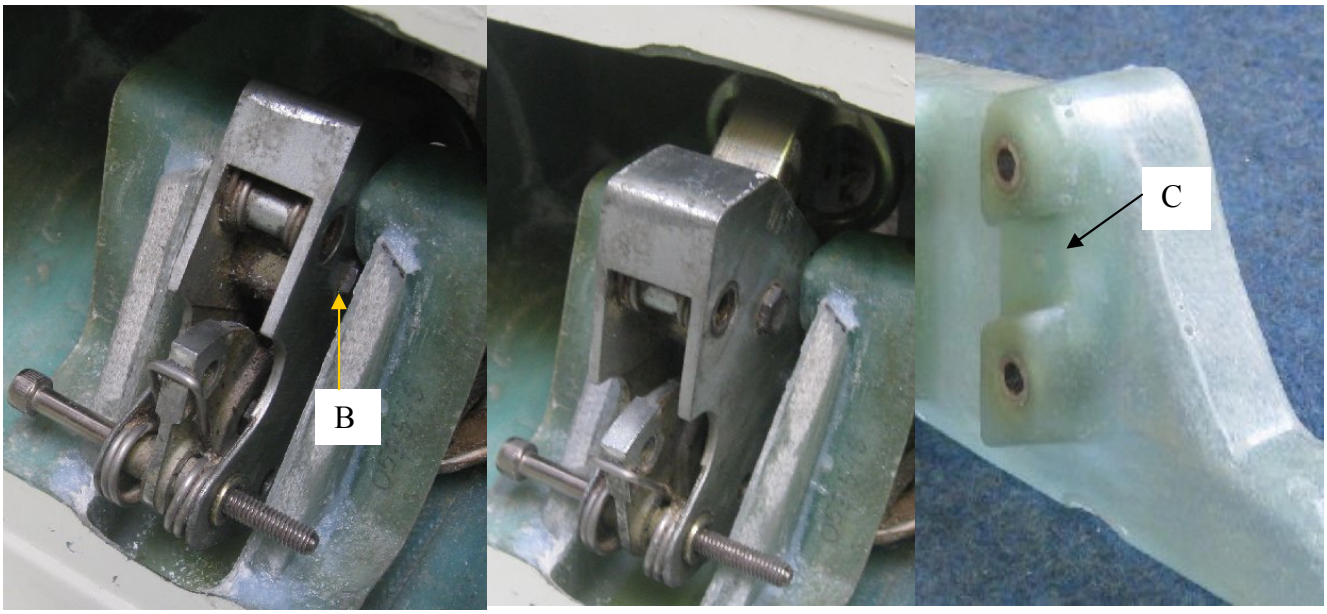


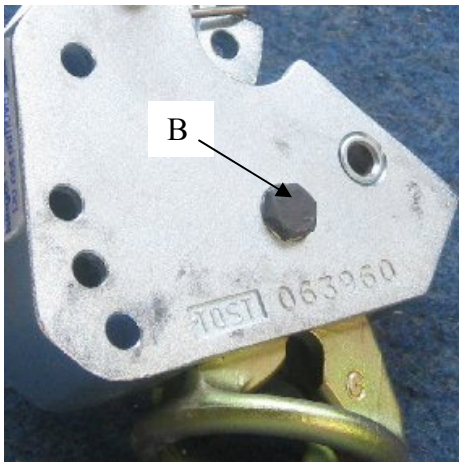
photo 2

Removal and installation of the C.G. tow hook

2) **Tow hook removal with reinforcements installed:** Remove the mounting bolts and the actuation lever. Rotate the tow hook out of the glider according to the following photo sequence. The tow hook must be rotated so far that bolt B at the hook can be moved through recesses C in the tow hook bulkheads.







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3) If it isn't possible to move the tow hook by hand the surfaces of the bulkheads clamping the tow hook should be ground by hand with abrasive paper 100 grit glued to a flat piece according to the photo.
Warning: Don't grind away too much. Remove only so much material that you just can move the tow hook by hand.



4) **Reinstallation** is the reverse of removal, see item 2.
Reinstall the mounting bolts and the actuation lever. Use new self locking nuts.
5) Now reinforce the tow hook bulkheads.
Caution: For postcuring the reinforcements the tow hook must be installed.