

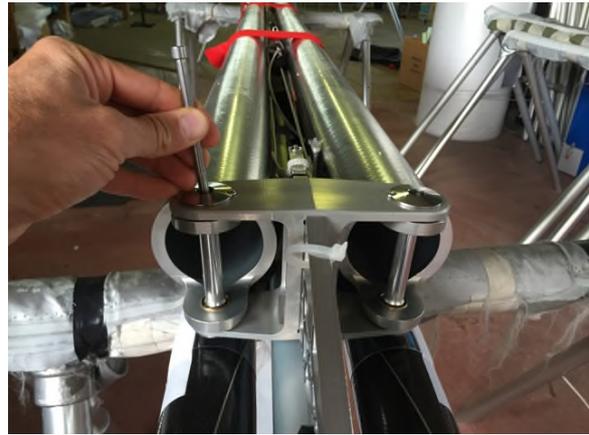
Icaro 2000 Safety Notice

Laminar and Laminar Z9 hang gliders

This safety notice applies to all topless hang gliders manufactured by Icaro 2000, from January 2012 to August 2015, in other words from registration numbers 9062 up until 9557, regardless of the type of crossbar fitted.

It could also apply to hang gliders which, in the same period of time, have been subject to service or repair operations in which one or both of the "crossbar centre bolts" was replaced.

The problem regards the central crossbar bolts, 90 mm in length, whose function is to hold the crossbar bushes on the H-shaped central block.



After a report regarding a problem that occurred for the owner of a Laminar, it has been found that some of the above-mentioned bolts may have not been made according to the design drawings that we supplied to the manufacturer. Unfortunately the problem is due to the fact that the supplier modified the construction of the bolts independently and without our knowledge, without incorporating the necessary quality control checks and without informing Icaro 2000.

Icaro 2000 is intensely sorry for this problem and will do its utmost to supply all pilots concerned with the new bolts.

It is essential to replace these bolts before your next flight.

Icaro 2000 and its dealers are available for performing the checks and if necessary the replacement of non-conformant bolts, or to supply their customers with the new bolts.

For those who are unable to reach one of our dealers to perform the checks, you just have to supply the registration number of your hang glider, and we will send you the new bolts, which are easy to install in place of the original bolts.

All you need to replace the bolts is a 5 mm Allen key and some adhesive tape. The new bolt will already have the necessary thread-locking paste applied.

The procedure to be followed is as follows:

- Put the hang glider onto the A-frame, as if you were assembling it to fly
- Open the wings but do not tension or fasten the crossbar strap
- Using adhesive tape, fasten the steel bushes to the H-block, so that they do not fall out (if this happened, the holes in the cross-bar would no longer be aligned and you will lose some time to find the alignment again).
- Unscrew both bolts using the Allen key
- Put the new bolts into position and screw them down using the Allen key

The degree to which the bolts should be screwed down depends on the type of crossbar mounted on your hang glider.

If the crossbar is of circular section with Ergal joints fastened with adhesive, the bolts can be screwed down firmly, without excessive force, right down to when the bolt cannot be rotated any further. The aluminium spacer between the two bushes makes it possible to screw down the bolts completely without deforming the H-block. For cross-bars made earlier, with rectangular or rectangular-circular section, the bolt should be screwed down but not until the end-point, because there is no spacer between the bushes.

In other words, once the play between the bushes and the H-block has been eliminated, the screws should be screwed down just an extra half-turn.

On our website there will soon a list of the hang gliders affected by the problem and a video showing the instructions on how to change the bolts.

For hang gliders made before the period specified above, it is essential to check the service/repair forms in order to determine whether, during a repair operation, one or both of the bolts in question was replaced.

For any further information you need, please contact Christian Ciech at Icaro 2000.

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Sangiano 12 September 2015