

Technical Note TN.JS-022

17 February 2015

TITLE

Tailplane Captive Bolt O-Ring Installation

DESCRIPTION

This Technical Note sets out the installation procedure to install a Tailplane Captive Bolt O-Ring. The O-Ring prevents the Captive Bolt from falling out during removal and handling of the Tailplane.

INSTRUCTIONS

1. Loosen the Tailplane Captive Bolt with an Allen Key and remove the bolt from the Tailplane.

See the Figures below:



Fig. 1 - Loosening of Captive Bolt

2. Remove the Tailplane.
3. Lay the Tailplane upside-down on a flat protective surface to prevent the top side of the Tailplane from being scratched.

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				A.S. Jonker	J.U. Jonker	

4. Insert the Captive Bolt from below until the bottom side of the bolt is about 8mm from the flat top surface of the Tailplane.

See the figure below:

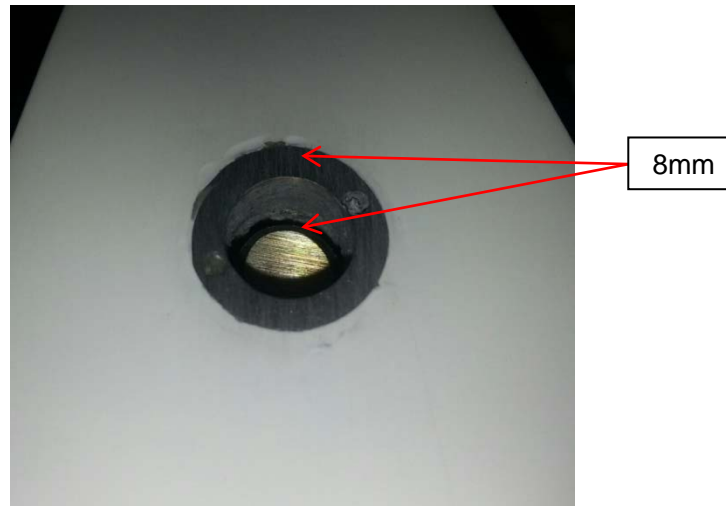


Fig. 2 - Insertion of Captive Bolt

5. Insert the O-Ring into position on top of the bolt. A screw driver may help to position the O-Ring flat onto the bolt, as shown in the Figure below.

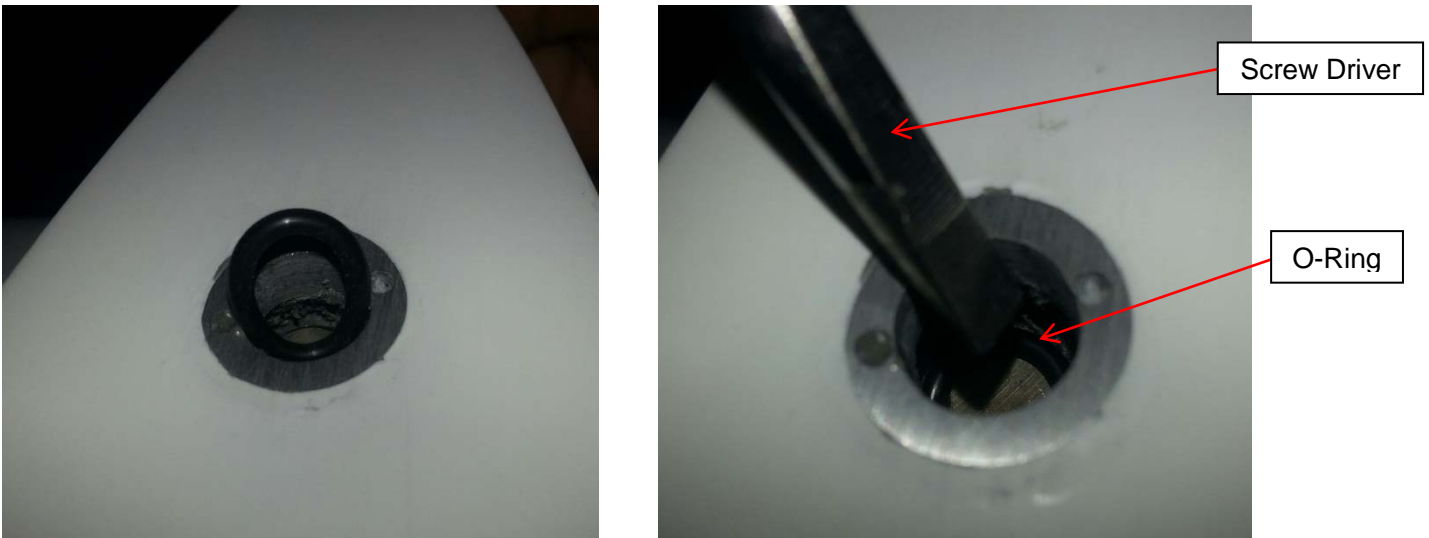


Fig. 3 - Insertion of O-Ring

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6. Turn the bolt inwards as if tightening the bolt, while holding the O-Ring in position with the screw driver. This action will force the O-Ring onto the bolt and into position.


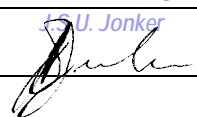


Fig. 4 - Fitment of O-Ring

7. Check that the bolt is captive by inverting the tailplane and checking that the bolt does not fall out. The bolt should not fall out when the tailplane is held upside down.



Fig. 5 - Secure Check of Captive Bolt

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8. Place the tailplane back into position on the top of the Vertical Stabilizer and tighten the bolt finger tight.



Fig. 6 - Fitment of Tailplane

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See the Figure below for an illustration of the final assembly:

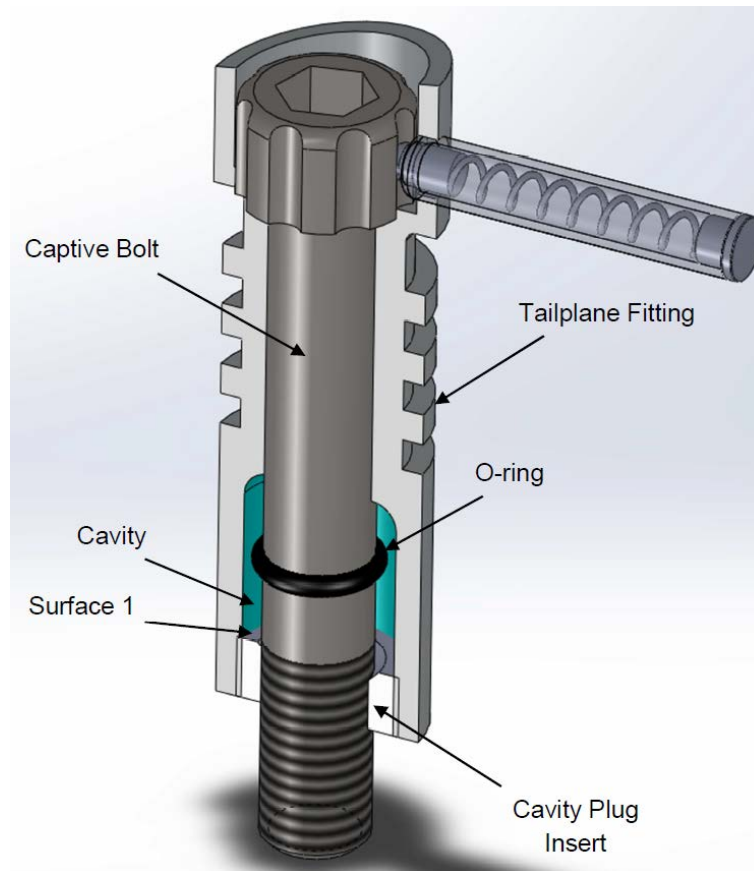


Fig. 7 - Captive Bolt Illustration

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MATERIAL SUPPLIED

1. O-Ring ID 8mm x 2mm

MATERIAL REQUIRED

1. Allen Key
2. Screw Driver

MASS AND BALANCE

No change to mass or balance.

MANUALS

No change to Flight or Maintenance Manuals.

NOTES

This technical note can be implemented by the operator.

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