

TB AIRCRAFT SERVICE BULLETIN N° 29

ATA 27/00

D.G.A.C. Approved: **IMPERATIVE**

AEROPORT TARBES-OSSUN-LOURDES
B.P. 38 - 65001 TARBES - FRANCE

TELEGR. : SOCAERO - TARBES
TELEX : 520828
TEL. : 62.51.73.00

SUBJECT : STABILATOR CONTROL ROD

VALIDITY : All TB aircraft serial numbers 1 to 709 except numbers 652, 653, 661, 664, 665, 672, 691, 701 to 706.

PURPOSE : Some cases of play at the location of stabilator actuating rod ends riveting having been found, this involves a particular inspection on the aircraft in operation.
From aircraft serial Nr 710 and numbers 652, 653, 661, 664, 665, 672, 691, 701 to 706 the riveting has been replaced by an assembly with screws, washers, nuts.

APPLICATION :

From the 100 h first inspection following this Service Bulletin publication then every 100 h.

NOTE :

The application of repair solution described hereafter, or the replacement of riveted rods fitted with ends by a rod fitted with ends assembled with screws, washers, nuts (rod part number TB10.27.000.025 ; rod assy part number : TB10.27.000.026) cancels the application of this Service Bulletin

DESCRIPTION :

A - Inspection

- Remove the rear cone assy (Item 25), retain the screws and attachment washers (Items 27 and 28), disconnect the rear lighting wirings (Item 26).
- Check (if necessary with a gauge) the rivets condition (Items 16, 18, 21 and 22) attaching the threaded end (Item 15) and the clevis end (Item 1) on the stabilator actuating rod tube (Item 6).

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- If a doubt stands, disconnect the rod and check if play is noted on one or both ends.
- In this case, carry out the repair solution described hereafter or change the rod.
- In the opposite case, re-connect the rod, (lubrication and tightening torque see Chapter II.11 and II.5 of Maintenance Manual), install new pins (Items 4 and 8) re-install the rear cone after re-connecting the wirings, check the rear light lighting.

B - Repair solution

- Disconnect the actuating rod (Item 6) from levers (Items 5, 10 and 11), retain the screws (Items 20, 12) washers (Items 2, 7) nut (Item 3) thin nut (Item 9) discard pins (Items 4, 8)
- Remove the extreme rivets (Items 16 and 21) with a diameter 4 mm drill.
- Drill back the holes to diameter 4.8 mm (going through and through the rod).
- Bore these holes to diameter 5 mm (+ 0 ; + 0,1).
- Deburr.
- Install temporarily the 2 screws (Item 17), the 2 washers (Item 19), the 2 washers (Item 23), the 2 nuts (Item 24).
- Remove the internal rivets (Items 18 and 22) with a 4 mm drill.
- Drill back the holes to diameter 4.8 mm (going through and through the rod).

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- Bore these holes to diameter 5 mm (+ 0 ; + 0,1).
- Deburr.
- Note the location of ends (Items 1 and 15) with regard to tube (Item 6) with adhesive tape or ink felt.
- Remove the attachments (Items 17, 19, 23 and 24).
- Remove the ends, deburr them, clean them as well as the tube.
- Re-install the ends on the tube, install the 4 screws Z00.5010.2.05.225 or L 22201.50.22 BCL (Item 17), the 4 standard washers Z00.5200.1.05.000 (Item 19), the 4 semi-thick washers Z00.5203.7.05.000 (Item 23) then the 4 locknuts Z00.5320.1.05.000 (Item 24). Lubrication see Chapter II.11 of Maintenance Manual, tightening torque of nuts (Item 24) 0,25 m.daN (21.5 inch. Pound).
- Re-connect the actuating rod with screws (Items 20 and 12) washers (Items 2 and 7) nut (Item 3) thin nut (Item 9).
- Check the operation and the deflection of stabilator control and of tab see Chapter V.1 and V.5 of Maintenance Manual.
- If the eye end (Item 13) must be unscrewed, check that in its definitive location, the hole (Item 14) is blanked off by the eye end threaded pin (Safety hole).
- Attachments lubrication and tightening torque, install new pins Z00.5500.1.15.150 (Items 4 and 8).
- Re-install the rear cone after re-connecting the wiring, check the rear light lighting.

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NECESSARY TOOL :

- 1 Kit Nr 9127 available on order to our SOCATA Product Support network.
- Standard tool of a mechanical workshop.

NECESSARY TIME :

- Inspection : 0 (Carried out during the 100 h inspection)
- Repair : 40 min.

NOTE : RECORD THE APPLICATION OF THIS SERVICE BULLETIN IN THE AIRCRAFT LOG BOOK.

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