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Airworthiness Directive: 133

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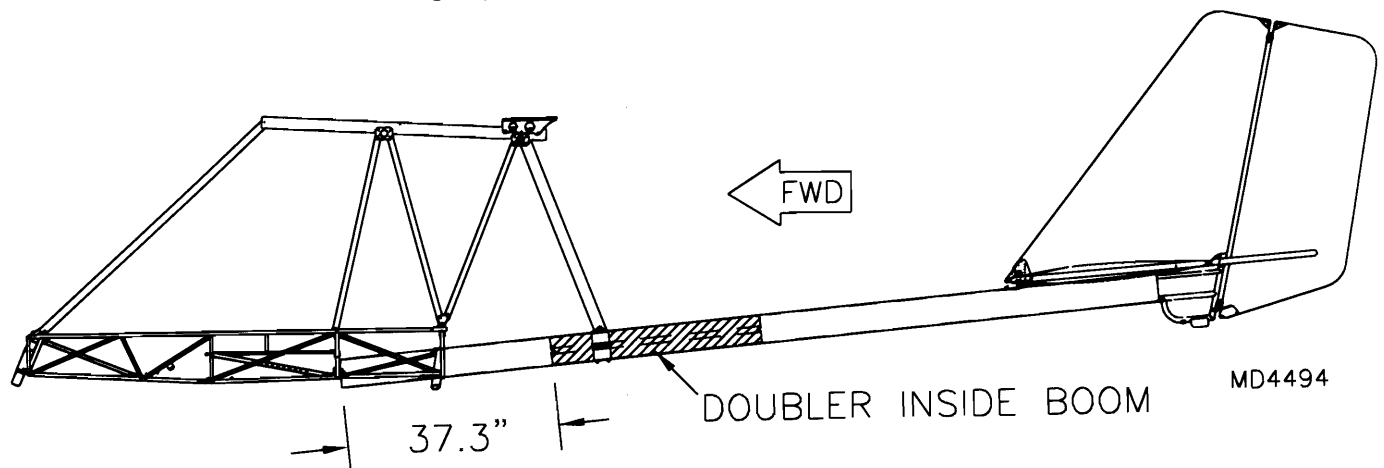
Subject: S-14 Tail Boom

Compliance: Regular inspection is mandatory for all versions of the S-14. Replacement of the tail boom is mandatory for all S-14's powered by Rotax 912, 912S, or S-14's with long wings and tail booms.

Models Affected: All S-14 Airailes

Inspection of the tail boom on all S-14 Airaile models should be conducted at the earliest possible date and prior to the next flight. Proper inspection is extremely critical, especially if you are not the original builder of the aircraft. The inspection is to determine:

- A. Installation of the tail boom doubler sleeve. Inspect the inside of the boom to visually confirm the presence of a boom doubler sleeve. If there is not a boom doubler sleeve present, the aircraft is to be grounded and the boom replaced with a tail boom with the doubler sleeve. Doubler sleeves cannot be added to existing booms. Flight is **not** recommended for any version of the Airaile aircraft **not** equipped with a boom doubler sleeve. The boom doubler sleeve can be viewed from the tail end of the boom using a powerful flashlight. See drawing below for location.



MD4494

- B. Visually inspect the presence and integrity of the plastic strip installed between the collar and tail boom. Take proper corrective action to replace or re-position protective plastic strip. If no corrosion is present around the collar, remove boom for inspection under the surface of the collar. No corrosion should be present. Replace Boom and/or Collar if corrosion is present.

- C. General inspection of tail boom, at all points of attachment and total surface area for:
The presence of corrosion inside and out, cracks, nicks, dents, holes or any deformation.
Replace Boom as required.

- D. Inspect the tail boom for drilled holes, other than specified by the factory. Absolutely **NO** holes should be drilled within the collar area! This includes holes through or near the collar. These holes may be noted as bolts or rivets placed into or near the boom collar. Check for holes drilled in the tail boom, which may be hidden by the collar. Replace Boom and/or Collar as required.

Annual Inspection is to include tail boom and collar. Inspect according to paragraphs B and C above.

Thank you for your attention to this matter. Hopefully, we have not inconvenienced you to any great degree.

Fly safe.