



**Airworthiness Directive: 106**

**Date: 8/20/93**

**Subject: S-12 Tail boom Extension**

**Compliance: Mandatory**

**Cost: \$ 75.00 & Your Time to Install**

**Models Effected: S-12, shipped before 1/1/1991**

The first year production of the S-12 model had a different tail boom extension design than the current production design. In a survey done by RANS, Inc. on the S-12 model with a substantial amount of time accumulated on the air frame, a total of 2 aircraft with the first year boom extension design had a crack in the tail boom extension ( see Fig 1.) Because of the fail safe design of the boom extension, no problems were detected in flight.

The tail boom extension on the first year production should be inspected after 300 hours, if a crack is found, then the boom extension should be replaced. If no cracks were found then the inspection should be done every 50 hrs.

Figure 1

