

# **U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION**

## **Airworthiness Directive**

**82-27-01 McCauley Accessory Division:** Amendment 39-4520. Applies to all McCauley Accessory Division Model 1A170/FFA fixed pitch propellers installed on, but not limited to, Gulfstream Aerospace Model AA-5B aircraft certificated in all categories.

Compliance is required as indicated, unless already accomplished.

To prevent propeller failure, accomplish the following:

(a) For propellers with 190 or more hours time in service since new or since last dye penetrant type inspection, inspect in accordance with paragraph (c) within the next 10 hours time in service and every 200 hours time in service thereafter.

(b) For propellers with less than 190 hours time in service since new or since last dye penetrant type inspection, inspect in accordance with paragraph (c) prior to the accumulation of 200 hours time in service and every 200 hours time in service thereafter.

(c) Inspection procedure:

(1) Remove propeller from the aircraft and remove spacer from the propeller.

(2) Thoroughly remove and clean all paint material down to the anodize surface and inspect the center relief bore (hole), all mounting bolt holes, and all external surfaces in the entire propeller hub area (faces and sides) for cracks using dye penetrant inspection methods.

(3) If a crack is found, replace the propeller with a serviceable propeller before further flight.

(d) A special flight permit may be issued in accordance with Federal Aviation Regulations (FARs) 21.197 and 21.199 to operate the aircraft to a base where this AD can be accomplished.

(e) Upon request of the operator, an equivalent means of compliance with the requirements of this AD may be approved by the Manager, Chicago Aircraft Certification Office, FAA, 2300 East Devon Avenue, Des Plaines, Illinois 60018.

This AD supersedes Amendment 39-3689 (45 FR 8947), AD 80-04-05.

This amendment becomes effective December 30, 1982.