

**DATE:** September 18, 1970  
**TO:** Owners and Operators of Yankee Aircraft  
**SUBJECT:** Spinner/Back Plate Inspection  
**MODELS AFFECTED:** AA1-0001 thru 0216, 0218 thru 0253, 0255 thru 0263, 0265 thru 0315, 0317 thru 0334, 0336, 0338, 0339, 0341 thru 0344, 0346 thru 0349, 0351, 0353 thru 0359, 0362 thru 0366, 0368, 0373, 0375, 0376, 0380, 0382, 0383, 0385 thru 0390, 0392, 0394 thru 0406, 0411, 0413, 0415 and 0416.

**TIME OF COMPLIANCE:** Within 50 hours of operation or at the next 100 hour inspection, whichever occurs first.

Field reports indicate the deluxe spinner/back plate assembly installed on the Yankee may be subject to cracking. To prevent failure of the spinner/back plate assembly, the following must be accomplished on the above listed aircraft as soon as possible, but no later than the next 50 hours of operation or at the next 100 hour inspection, whichever occurs first.

**INSPECTION**

1. Inspect the static clearance between back plate and forward cowl as shown below. If clearance is insufficient, correct per instructions in Service Kit No. SK-109 (copy attached).

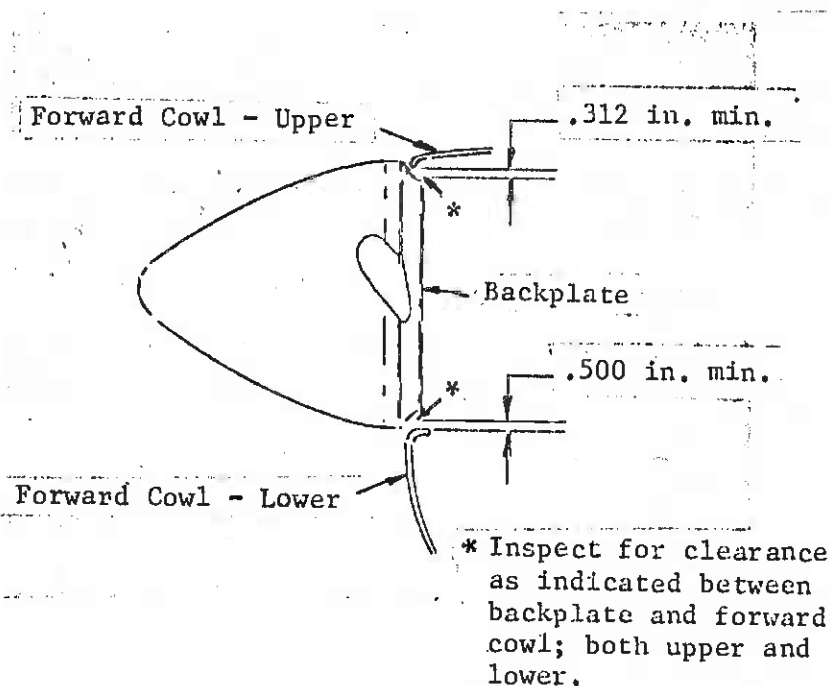
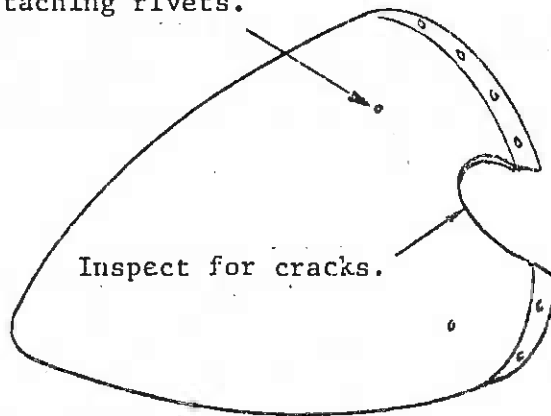


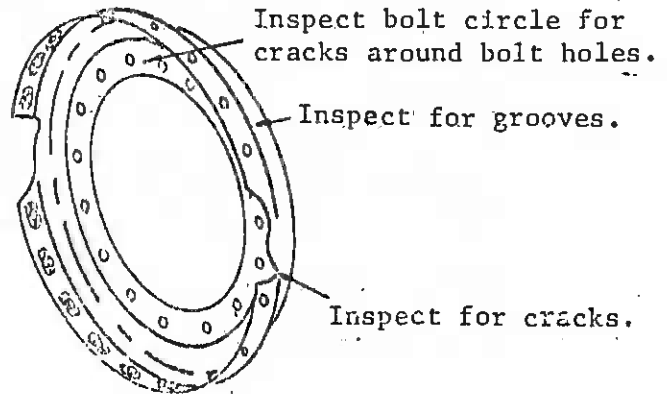
Figure 1. Back Plate and Forward Cowl Clearance

2. Remove the spinner, propeller, and spinner back plate. Inspect the spinner and back plate for cracks and deep grooves in the areas shown below.

Inspect spinner bulkhead for loose attaching rivets.



Inspect for cracks.



Inspect bolt circle for cracks around bolt holes.

Inspect for grooves.

Inspect for cracks.

Figure 2. Spinner and Back Plate Inspection.

NOTE: In addition to visual inspection, it is recommended that dye penetrant be used to insure that no cracks are present.

3. If no cracks are found or grooves do not exceed .015 in. in depth the spinner/back plate may be reinstalled after completion of modifications as shown in Service Kit No. SK-109. If cracks are noted in either the spinner or back plate, the cracked unit must be removed from service.

NOTE: The Yankee may be operated without restriction with the spinner and spinner back plate removed.

4. Inspect attachment of bulkhead located in the forward end of the spinner for loose or working rivets (See figure 2 above)

CAUTION: It is extremely important that the following be observed at all times:

1. Remove the spinner at each 100 hour inspection and visually inspect the spinner and back plate for cracks. When the spinner is reinstalled at the 100 hour inspection, run out must be corrected if more than 1/16 inch.
2. DO NOT MOVE THE AIRCRAFT ON THE GROUND BY PUSHING ON THE SPINNER.
3. STORE THE AIRCRAFT WITH THE PROPELLER IN THE VERTICAL POSITION TO PREVENT WATER ACCUMULATION IN THE SPINNER AND SUBSEQUENTLY FREEZING IN COLD WEATHER.
4. DO NOT OPERATE THE AIRCRAFT WITH ICE IN THE SPINNER.

#### PARTS INFORMATION

Service Kit No. SK-109 Spinner/Back Plate Modification which contains all parts necessary to modify one spinner and back plate assembly will be available from the factory by September 25, 1970 at a suggested list price of \$7.80 (E).

SERVICE BULLETIN NO. 119

PARTS INFORMATION (CONT.)

Spinners (part number 506006-501) suggested list price \$36.30 (E) and modified back plate assemblies (part number 506004-502) suggested list price \$39.76 (E) are available through the parts department. Spinners and/or back plates that are purchased for replacement after September 25, 1970 will have all of the above inspections and modifications completed and can be installed in conjunction with 901035-2 washers, if back plate/forward cowl clearance is satisfactory, without further compliance with this service bulletin. Part number 901035-2 washers, suggested list price \$.12 (E) each, (6 required) must be ordered separately and installed with all new back plate assemblies.

CREDIT ALLOWANCE

A full parts and labor credit 2.5 hours at the dealers prevailing shop rate will be available for the installation of Service Kit No. SK-109 for all aircraft in warranty. A parts only credit will be available for the installation of Service Kit No. SK-109 for all aircraft out of warranty, but with less than 100 hours. No parts or labor credit will be available for the installation of Service Kit No. SK-109 for aircraft with more than 1000 hours.

Cracked spinners/back plates replaced on aircraft prior to this Service Letter in warranty may be returned to the factory for full parts and labor credit of 1.0 hours at the dealers prevailing shop rate. Cracked spinners/back plates replaced on aircraft out of warranty, but with less than 1000 hours, may be returned to the factory for full parts only credit. Cracked spinners/back plates replaced on aircraft with more than 1000 hours of operation should be scrapped in the field and not returned to the factory. No credit will be allowed for cracked parts with more than 1000 hours in service.

All work must be performed or authorized by an American Aviation Corporation Dealer or representative and a completed warranty claim form no. AA-740 submitted to the factory prior to December 30, 1970 for credit allowance.

Prices are subject to change without notice.

NOTE: Complete and mail service reply card showing compliance with this bulletin

AMERICAN AVIATION CORPORATION

PHS:pjr

.Distribution (B)



**Gulfstream American**  
Gulfstream American Corporation  
P.O. Box 2206 Savannah, Georgia 31402

SERVICE BULLETIN NO. 119  
[Supplement No. 1]

DATE: October 15, 1970

TO: Owners and Operators of Yankee Aircraft

SUBJECT: Spinner/Back Plate Inspection

MODELS AFFECTED: AA1-0001 thru 0216, 0218 thru 0253, 0255 thru 0263, 0265 thru 0315, 0317 thru 0334, 0336, 0338, 0339, 0341 thru 0344, 0346 thru 0349, 0351, 0353 thru 0359, 0362 thru 0366, 0368, 0373, 0375, 0376, 0380, 0382, 0383, 0385 thru 0390, 0392, 0394 thru 0406, 0411, 0413, 0415 and 0416.

REASON FOR SUPPLEMENT:

Since issuance of Service Bulletin No. 119, a new spinner back plate assembly, part number 506004-503, has been developed. The new back plate assembly, suggested list price \$26.40 (E), which is .080 in. thick and has fixed nut plates installed, will be supplied as a replacement part when existing stock of back plate assemblies, part number 506004-502, are exhausted. Part no. 506004-502 back plate assembly has been repriced to \$26.40 (E).

ACTION REQUIRED:

If the new back plate assembly (506004-503) is received as a replacement for a cracked back plate found during compliance with Service Bulletin No. 119 and is to be installed with the existing 506006-501 spinner, it will be necessary to enlarge the sixteen (16) attach holes in the spinner from .193 in. to .250 in. dia. to provide adequate attach screw clearance. Replacement 506006-501 spinner assemblies supplied from the factory after December 1, 1970 will have .250 in. dia. attach holes.

Twelve (12) part number 901035-2 washers, suggested list price \$0.12 (E) each, must be ordered separately and installed with the new part number 506004-503 back plate assembly.

Page 3 of Service Bulletin No. 119 under "CREDIT ALLOWANCE", first paragraph, line 4, reads "less than 100 hours", change to read "less than 1000 hours."

Prices subject to change without notice.

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