

## VENDOR SERVICE PUBLICATION

June 15, 1976

TO:   X   All Piper Distributors  
       All Piper CORPAC's  
  X   Affected Aircraft Owners/Operators  
       All of the above

SUBJECT: Propeller Spinner Bulkhead Requirements to Maintain  
Propeller Balance; Hartzell Service Letter No. 102  
dated April 15, 1976 (attached).

Models Affected:

\*PA-36-285 Pawnee Brave

Serial Numbers Affected:\*Refer to Effectivity information contained  
on page 1 of the subject service release.

Purpose: To provide distribution of the attached Service Publication (identified  
in SUBJECT, above) to Piper Field Service Facilities and, if applicable,  
to affected Piper owners/operators.

Detailed instructions relative to compliance action are specified on the  
attached Service Publication; any additional/supplemental data, if neces-  
sary, is contained in the following "Special Instructions" section.

Special Instructions:

The attached Hartzell service release identifies the location of the  
propeller balance weights and specifies the necessity of balance  
weight removal/reinstallation when changing the propeller  
spinner bulkhead.

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# Hartzell • PROPELLER, INC.



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**PIQUA, OHIO 45356**

SERVICE LETTER NO. 102

April 15, 1976

Subject: Propeller Spinner Bulkhead Requirements to Maintain Propeller Balance

Effectivity: Hartzell spinner assembly A-4203-1 installed on Hartzell Propeller Model HC-C3YF-1R( )F/F9684-1 in Piper PA-36-285.

A-4203-1 Spinner Assembly Parts Breakdown

C-3282-3 Spinner Dome  
C-3283 Spinner Bulkhead  
AN526C1032R8 Spinner Mounting Screw  
A-1020 Spinner Mounting Fiber Washer  
A-48 Balance Weight  
AN501A10-( ) Balance Weight Screw

Discussion: To eliminate the possibility of operating the aircraft with an unbalanced engine-propeller combination, the following conditions must be observed.

- 1) All new propellers are supplied with the spinner bulkhead attached. The bulkhead will have the necessary balance weights attached when necessary; bulkhead to propeller location will be identified with locating decals, AR-20 and AR-30. A decal, IMP-422, will be attached to the bulkhead indicating the presence of balance weights installed on the bulkhead.

April 15, 1976

Discussion  
(Cont'd):

- 2) Should it become necessary to change the bulkhead, the weights are to be removed from the existing bulkhead and placed in the same position on the new bulkhead in a position relative to blade location. A-48-( ) weights are to be secured to the rear of C-3283 bulkhead. Use AN501A10-( ) screws with 1 to 3 threads protruding through the nut plates. Maximum of two stacks of weights per blade is allowed, with maximum of seven A-48-A lead weights with one A-48 steel weight per stack.
- 3) When the propeller is returned for service, the bulkhead must remain attached to provide a means of balance following service.
- 4) In the event the PA-36-285 aircraft is operated with Hartzell C-3282-3 spinner dome removed, spinner bulkhead C-3283 must remain installed.