

# SERVICE



# LETTER

Service Letter No. 504

April 8, 1968

Subject:

B. F. Goodrich Service Bulletin No. E-67-34  
(Prop De-Icer and Strap Restrainer Installation.)

Models Affected:

PA-23-250, PA-E23-250 Aztecs  
PA-31 Navajos

Serial Numbers Affected:

See B. F. Goodrich Service Bulletin No. E-67-34 for  
Serial Number applicability (attached).

Compliance Date:

Prior to but not later than the next 25 hours of operation

Reason for Letter:

To insure distribution of and compliance with the attached  
B. F. Goodrich Service Bulletin.

Modification Instructions:

See attached B. F. Goodrich Service Bulletin No.  
E-67-34.

**Subject:** B.F. Goodrich Propeller De-Icer and Strap Restrainer Installation

**Applicability:** Piper Aztec C's (PA-23-250 and PA-E23-250, S/N 27-2505 and up, 14 volts D.C.) & Piper Navajo's (PA-31, S/N 31-2 and up).

**Discussion:** Two conditions may contribute to premature failure of lead straps on B.F. Goodrich De-Icers installed on referenced aircraft. Check as follows for compliance with correct installation procedures:

1. B.F. Goodrich De-Icers, P/N 4E1188-3 for Piper PA-31's and P/N 4E1214-2 for Piper PA-23 & E23-250's should have gray plastic bonded to the shiny side of De-Icer strap. See Fig. A.
2. Strap restrainers, B.F. Goodrich P/N 4E1513, should be positioned as shown in Fig. B when propeller blades are in full feather position.

If installations do not follow above descriptions, corrective action should be accomplished within the next 25 hours or when spinner domes are next removed, whichever occurs first. Obtain necessary materials through a local B.F. Goodrich or Piper Dealer or Distributor.

- Procedure:**
1. Remove aircraft spinner domes.
  2. The propeller De-Icer, B.F. Goodrich P/N 4E1188-3 or 4E1214-2, should have the gray plastic bonded to shiny side of De-Icer strap. For removal and installation procedures, consult B.F. Goodrich De-Icer Installation Manual, Report No. 59-728C.
  3. If strap restrainers, B.F. Goodrich P/N 4E1513, are not positioned as shown in Fig. B, proceed as follows:
    - a. Loosen propeller hub bolts. Do Not Remove.
    - b. Rotate strap restrainers into correct clearance position as shown in Fig. B.
    - c. Tighten propeller hub bolts to 20-22 ft. lbs. torque.
  4. Replace aircraft spinner domes.

