



**The New Piper Aircraft, Inc.**  
2926 Piper Drive  
Vero Beach, Florida, U.S.A. 32960

# SERVICE **No. 1141** BULLETIN

## PIPER CONSIDERS COMPLIANCE MANDATORY

Date: December 9, 2003

(S) (M)

### **SUBJECT:**

### **CLIP NUT REPLACEMENT**

### **MODELS AFFECTED:**

PA-28-161 Warrior III  
PA-28-181 Archer III  
PA-28R-201 Arrow  
PA-32R-301 Saratoga II HP  
PA-32R-301T Saratoga II TC  
PA-34-220T Seneca V

### **SERIAL NUMBERS AFFECTED:**

2842176 through 2842179  
2843547 through 2843563  
2844092 through 2844098  
3246213 through 3246214  
3257316 through 3257326  
3449279 through 3449290

### **COMPLIANCE TIME:**

To coincide with next regularly scheduled maintenance event, but not to exceed the next one hundred (100) hours time in service.

### **APPROVAL:**

The technical content of this Service Bulletin has been shown to comply with the applicable Federal Aviation Regulations and is FAA approved.

### **PURPOSE:**

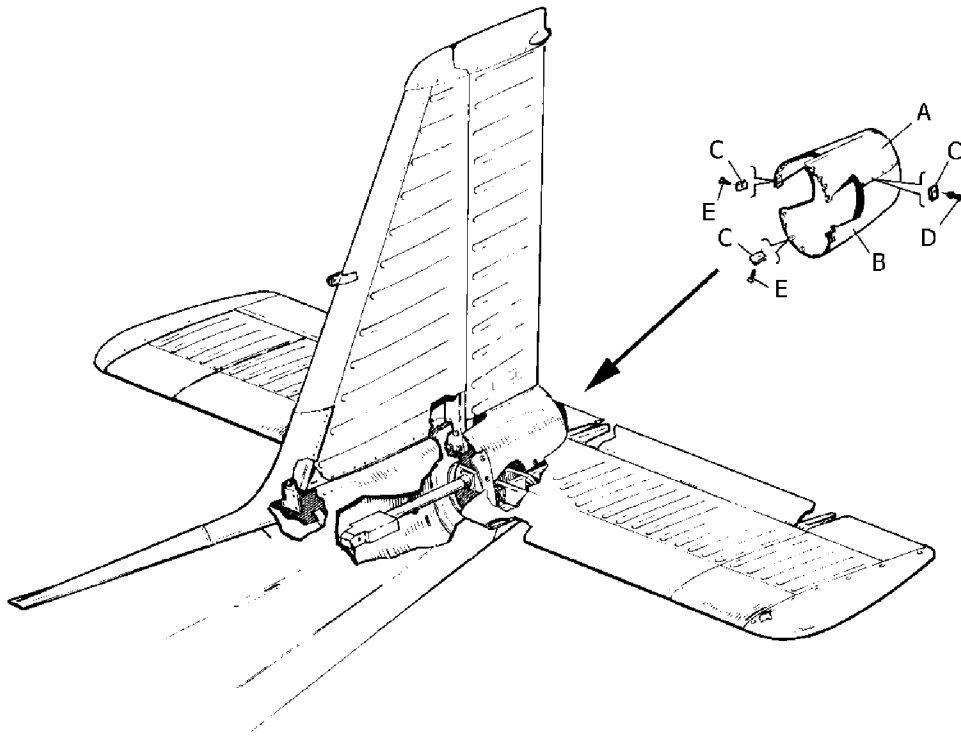
It has been discovered that the above noted aircraft were delivered with tail cone fairing attachment clip nuts installed that did not incorporate a thread locking feature that prevents the fairing mounting screws from loosening and backing out. If the screws were to loosen and fall out, the displaced fairing may interfere with the operation of the horizontal stabilator.

### **INSTRUCTIONS:**

1. Remove the 16 screws, P/N 415-378, (MS51957-45) (Figure 1, Item E) securing the tail cone fairings to the aft end of the fuselage. Remove the 10 screws, P/N 410-054, (MS24694-C5) (Figure 1, Item D) securing the upper tail cone fairing (Figure 1, Item A) to the lower tail cone fairing (Figure 1, Item B).
2. Remove and replace the 26 clip nuts, P/N 477-640, (Figure 1, Item C) from the fuselage and the upper and lower tail cone fairings, ensuring that the replacement clip nuts have a 'thread locking' feature.
3. Reassemble the upper and lower tail cone fairings and re-install the tail cone fairing using the appropriate screws previously removed.
4. Make a logbook entry indicating compliance with this Service Bulletin.

(OVER)

ATA: 5351



Typical Tail Cone  
Figure 1

**MATERIAL REQUIRED:** Twenty six (26) each, Clip Nut, Piper part number 477-640, per aircraft.

**AVAILABILITY OF PARTS:** Your Piper Service Facility.

**EFFECTIVITY DATE:** This Service Bulletin is effective upon receipt.

**SUMMARY:** Applicable Factory Participation is limited to new aircraft in warranty at the time of compliance. Factory Participation will remain in effect for a period of time not to exceed 180 days from the date of this Service Bulletin.

Please contact your Factory Authorized Piper Service Facility to make arrangements for compliance with this Service Bulletin in accordance with the compliance time indicated.

**NOTE:** If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and notify the factory of address/ownership corrections. Changes should include aircraft model, serial number, current owner's name and address.

Corrections/changes should be directed to:

THE NEW PIPER AIRCRAFT, INC.  
Attn: Customer Service  
2926 Piper Drive  
Vero Beach, FL 32960