



Piper Aircraft Corporation  
2926 Piper Drive  
Vero Beach, Florida, U.S.A. 32960

# SERVICE No. 980 BULLETIN

## PIPER CONSIDERS COMPLIANCE MANDATORY

DATE: January 18, 1995

(S/M)

**SUBJECT:**

SHOULDER HARNESS INSTALLATION

**MODELS AFFECTED:**

PA- 23 Apache  
PA- 23 - 235 Apache  
PA- 23 - 250/250(6) Aztec

PA- 24 -180/250 Comanche  
PA- 24 - 260 Comanche  
PA- 24 - 400 Comanche  
PA- 30 Twin Comanche  
PA- 39 Twin Comanche "C/R"

**SERIAL NUMBERS AFFECTED:**

23 -01 through 23 -2046  
27 - 505 through 27 - 622  
27 - 1 through 27- 8154030

24 - 1, through 24 - 3687  
24 - 3642, 24- 4000 to 24- 5047  
26 - 2 through 26 - 148  
30 - 1 through 30 - 2000  
39 - 1 through 39 - 155

**COMPLIANCE TIME:**

To coincide with the next annual inspection or complete cycle event inspection but not to exceed one (1) calendar year from date of this Service Bulletin.

**PURPOSE:**

Through the release of earlier service publications, Piper Aircraft has informed its customers of the availability of shoulder harness kits for installation in all Piper Models.

Over the years, Piper, along with the government, industry, and the public, has become increasingly aware that use of complete restraint systems (lap belt and shoulder harness) not only assists in securely positioning the pilot and passengers during critical phases of flight and in turbulence, but also adds significantly to occupant safety.

While believing that most owners are aware of the benefits of shoulder harness and lap belt use, Piper emphasizes by the issuance of this Mandatory Service Bulletin that information developed during recent years indicates that such use can be a valuable contribution to the safe operation of your airplane.

Accordingly, Piper is issuing this Mandatory Service Bulletin and strongly urges you to install and use the complete restraint system of both seat belts and shoulder harnesses for all crew and passengers each time your aircraft is operated.

This Service Bulletin is another in a series of releases which addresses the installation of shoulder harness restraints in Piper products.

This Service Bulletin provides instructions and a "Serial Number Applicability Table" to help determine and facilitate installation of shoulder harness restraint systems for the affected model aircraft.

(OVER)  
ATA: 5500

**APPROVAL:**

The technical contents of this Service Bulletin have been approved by the F.A.A.

**INSTRUCTIONS:**

1. Visually inspect to determine if seat belts and shoulder harnesses are installed for every seat in your model aircraft. If seat belts and shoulder harness are installed, proceed with instruction 5. If only some or none of your seats are equipped with shoulder harness restraints continue with these instructions.
2. Refer to the "Serial Number Applicability Table" to determine which shoulder harness kit applies to which aircraft and which seat position.
3. Determine if the lap seat belt in your aircraft is of the type to accept the shoulder harness attachment. If not, refer to the appropriate Piper parts manual and order the lap seat belt as called out for shoulder harness installation. Some kits in this Service Bulletin do not include the lap seat belt.
4. Upon completion of the shoulder harness restraint installation, Piper recommends that the owner and/or operator become familiar with the use of the new restraint system(s).
5. The owner/operator should as standard procedure, use the shoulder harness and lap belt restraint systems and should advise all passengers and crew to use their systems, providing instruction for use as necessary.
6. Upon completion of this Service Bulletin make a log book entry of compliance.

**MATERIAL REQUIRED:**

Appropriate Kit(s) as noted on the "Serial Number Applicability Table".

**AVAILABILITY OF PARTS:**

Your Piper Field Service Facility

**EFFECTIVITY DATE:**

This Service Bulletin is effective upon receipt.

**SUMMARY:**

There is no applicable factory participation pertaining to this Service Bulletin.

**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 model, serial number, current owner's name and address.

Corrections/Changes should be directed to:

Piper Aircraft Corporation  
Attn: Customer Services  
2926 Piper Drive  
Vero Beach, FL 32960

| SERIAL NUMBER APPLICABILITY TABLE   |                                                                   |                                                       |                               |                                                                                                                                                |
|-------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| MODEL                               | SERIAL NO.                                                        | SEAT POSITION                                         | KIT P/N                       | NOTES:                                                                                                                                         |
| PA-23<br>PA-23-235<br>PA-23-250     | 23-1 & Up<br>27-505 thru 27- 622<br>27-1 thru 27-4366             | Crew Seats<br>Crew Seats<br>Crew Seats                | 766-227<br>766-227<br>766-227 | 766-227 Kit includes shoulder harness, lap belts, <i>structure</i> , and hardware.                                                             |
| PA-24-180/250                       | 24-1 thru 3641 and<br>24-3643 thru 24-3687                        | Crew Seats                                            | 766-234                       | 766-234 Kit includes shoulder harness, lap belts, <i>structure</i> , and hardware.                                                             |
| PA-24-260<br>PA-39                  | 24-4922 & Up<br>39-1 & Up                                         | Crew Seats<br>Crew Seats                              | 766-226<br>766-226            | 766-226 Kit includes shoulder harness, lap belts, attach plates, and hardware.                                                                 |
| PA-24-260<br>PA-24-400<br>PA-30     | 24-3642, 24-4000<br>thru 24-4921<br>26-1 thru 26-148<br>30-2 & Up | Crew Seats<br>Crew Seats<br>Crew Seats                | 766-233<br>766-233<br>766-233 | 766-233 Kit includes shoulder harness, lap belts, <i>structure</i> , and hardware.                                                             |
| PA-23-250                           | 24-4367 & Up                                                      | Crew Seats                                            | 766-225                       | 766-225 Kit includes shoulder harness, lap belts, attach plates and hardware.                                                                  |
| PA-23                               | 23-1 thru 23-1163                                                 | 3rd & 4th Seats                                       | 766-229                       | Order Kit number 766-228 if lap seat belts bolt to seats.<br>766-229 Kit includes s/harness, lap belts, <i>structure</i> & hardware.           |
| PA-23-250<br>PA-24-260<br>PA-39     | 27-4367 & Up<br>24-4922 & Up<br>39-1 & Up                         | 3rd & 4th Seats<br>3rd & 4th Seats<br>3rd & 4th Seats | 766-225<br>766-225<br>766-225 | 766-225 Kit includes shoulder harness, lap belts, attach plates, and hardware.                                                                 |
| PA-23<br>PA-23-235<br>PA-23-250     | 23-1 & Up<br>27-505 thru 27- 622<br>27-1 thru 27-4366             | 3rd & 4th Seats<br>3rd & 4th Seats<br>3rd & 4th Seats | 766-228<br>766-228<br>766-228 | Order Kit number 766-229 if lap seat belts bolt to fuselage frame<br>766-228 Kit includes s/harness, lap belts, <i>structure</i> , & hardware. |
| PA-23-250<br>PA-23-235<br>PA-23-250 | 23-1 & Up<br>27-505 thru 27- 622<br>27-1 thru 27-504              | 5th Seat<br>5th Seat<br>5th Seat                      | 766-231<br>766-231<br>766-231 | 766-231 Kit includes shoulder harness, lap belts, <i>structure</i> , and hardware.                                                             |
| PA-23-250                           | 27-2000 & Up                                                      | 5th & 6th Seats                                       | 766-230                       | 766-230 Kit includes shoulder harness, lap belts, <i>structure</i> , and hardware.                                                             |

