



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

# SERVICE No. 979 BULLETIN

## PIPER CONSIDERS COMPLIANCE MANDATORY

DATE: January 12, 1995

**SUBJECT:**

INSTALLATION OF FUEL CAP COVER

**MODELS AFFECTED:**

PA-18-150 Super Cub

**SERIAL NUMBERS AFFECTED:**

18-7809001 through 18-8309025  
1809001 through 1809109

**COMPLIANCE TIME:**

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

**PURPOSE:**

Piper has received a report of water collecting in the main fuel tanks in amounts exceeding that which is normally found from condensation. Investigation reveals that when the aircraft is washed, the possibility exists that water may enter the tanks through the fuel cap vents. Although this is the suspected cause of the reported contamination, it is conceivable that water may also enter during periods of heavy and/or blowing rains. The normally required preflight inspection should detect and correct this condition prior to each flight. However, if it is not detected, the water contamination could cause the engine to malfunction.

This Service Bulletin requires the installation of a cover assembly and fuel cap gasket, which when installed will alleviate the conditions described above.

**APPROVAL:**

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

**INSTRUCTIONS:**

**NOTE:**

*Before proceeding, check fuel tanks for water contamination. If an abnormal amount of water is noticed, (more than a one half cup per tank) fuel tanks and fuel system should be drained and water contamination eliminated.*

1. Remove the right and left fuel tank cover skins located on the top of each wing.
2. Using the Cover Assembly, Piper Part Number 85327-02, lay out the fuel cap cover assembly hinge location on the fuel tank cover skins by marking through hinge holes per Sketch A.
3. After the locations are marked, drill five .0937 holes for the hinge and deburr.
4. Paint fuel cap covers to match aircraft. The color information is given on the first page of the airframe log book or in the parts catalog aerofiche. Allow paint time to dry before continuing.
5. Rivet fuel cap covers to the tank cover skins with five MS20470AD3 rivets of proper length.

(OVER)  
ATA: 5500

**INSTRUCTIONS:** (Cont'd)

6. Place fuel cap cover in closed position and mark the location for the retainer hole. Open cover and drill a .437 hole for the retainer per Section B-B of Sketch B.
7. Place the Retainer, Piper Part Number 484-482, through the fuel cap cover assembly and tank cover skins.
8. Attach the receptacle to the retainer on the bottom side of the tank cover skin and latch into place per Section B-B of Sketch B.
9. With Receptacle, Piper Part Number 484-322, in place, mark holes for the receptacle rivets.
10. Remove the receptacle and drill two .0937 holes at marked positions.
11. Countersink and deburr the holes. Rivet the receptacle into place with two MS20426AD3 rivets of proper length as shown on Section B-B of Sketch B.
12. Reinstall tank cover skins on the aircraft. Open and close new fuel cap covers and check for proper fit and operation.
13. Install two Placards, Piper Part Number 87336-03, next to the vent holes as shown on Sketch A on each of the new cover assemblies.
14. Remove fuel caps. Remove existing gasket from each fuel cap and discard. Install one new Gasket, Piper Part Number 66815-02 on each fuel cap. Replace and secure fuel caps and new fuel cap covers.
15. Make an appropriate log book entry indicating compliance with this Service Bulletin.

**MATERIAL REQUIRED:** Two (2) each, Cover Assemblies, Piper Part Number 85327-02, two (2) each, Retainer, Piper Part Number 484-482, two (2) each, Receptacle, Piper Part Number 484-322, two (2) each, Stud, Piper Part Number 690-093, four (4) each, Placard, Piper Part Number 87336-03, two (2) each, Gasket, Piper Part Number 66815-02, per aircraft (Obtain MS20470AD3 and MS20426AD3 rivets locally.)

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

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

**SUMMARY:** Any applicable factory Participation will remain in effect for a period of time not to exceed 180 days from the date of this Service Bulletin.

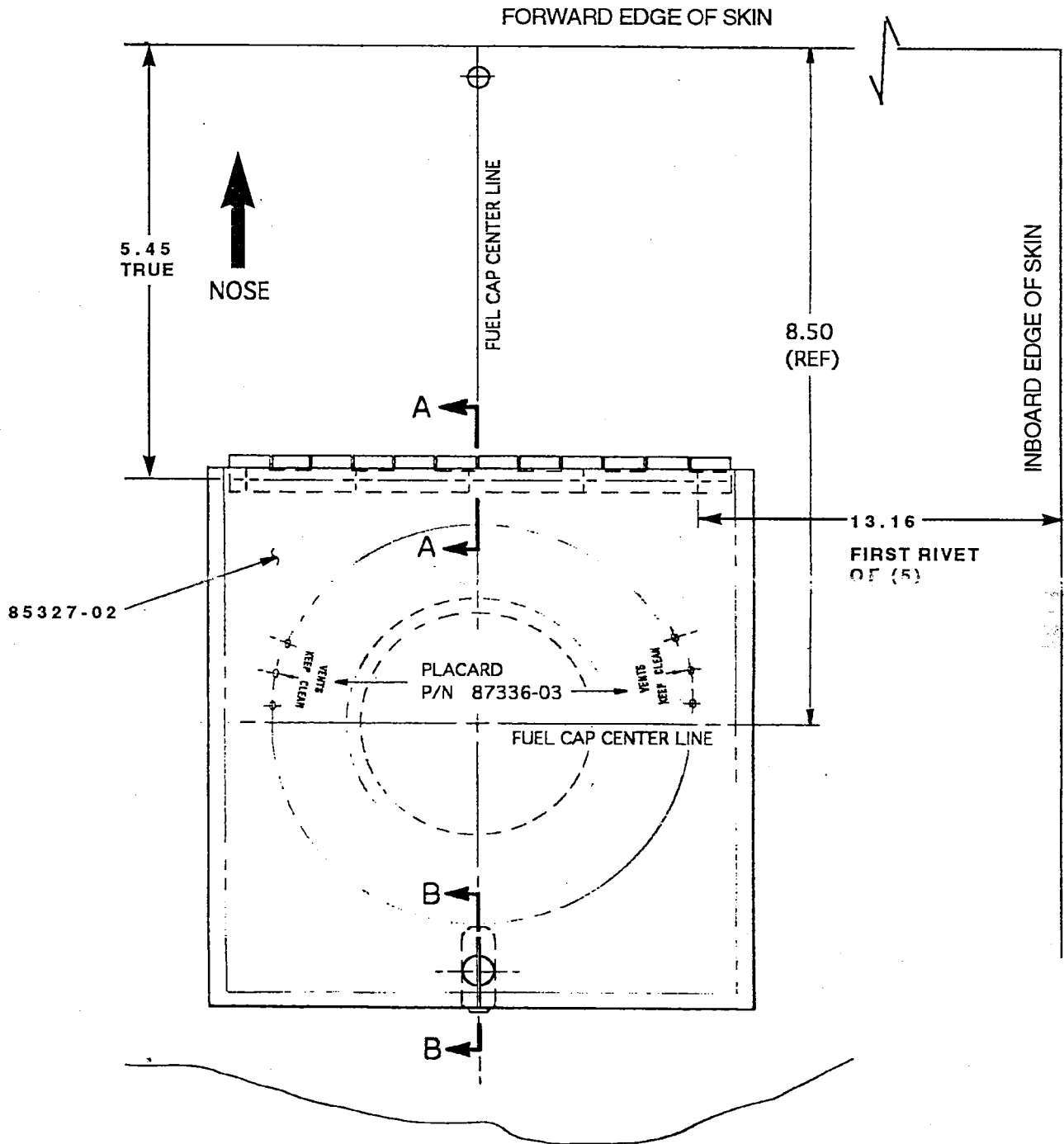
Please contact your Factory Piper Field Service Facility to make arrangements for compliance with this Service Bulletin in accordance with the compliance time indicated.

**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.

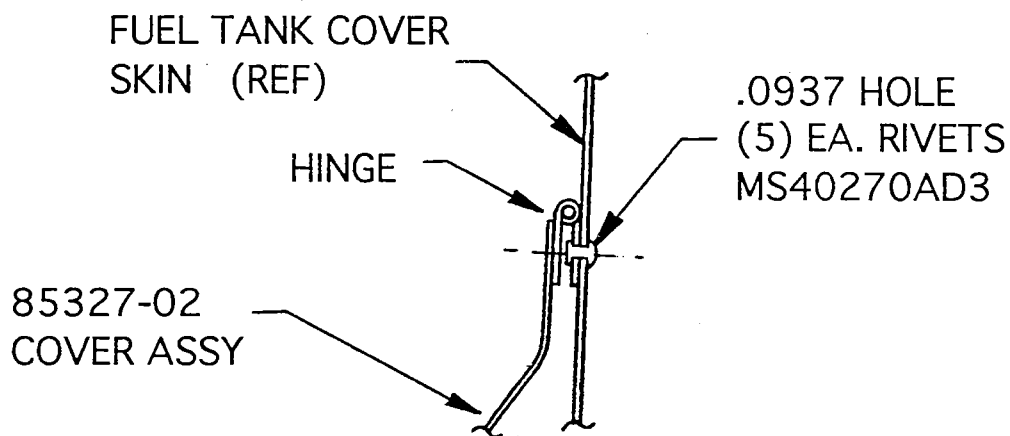
Corrections/Changes should be directed to:

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

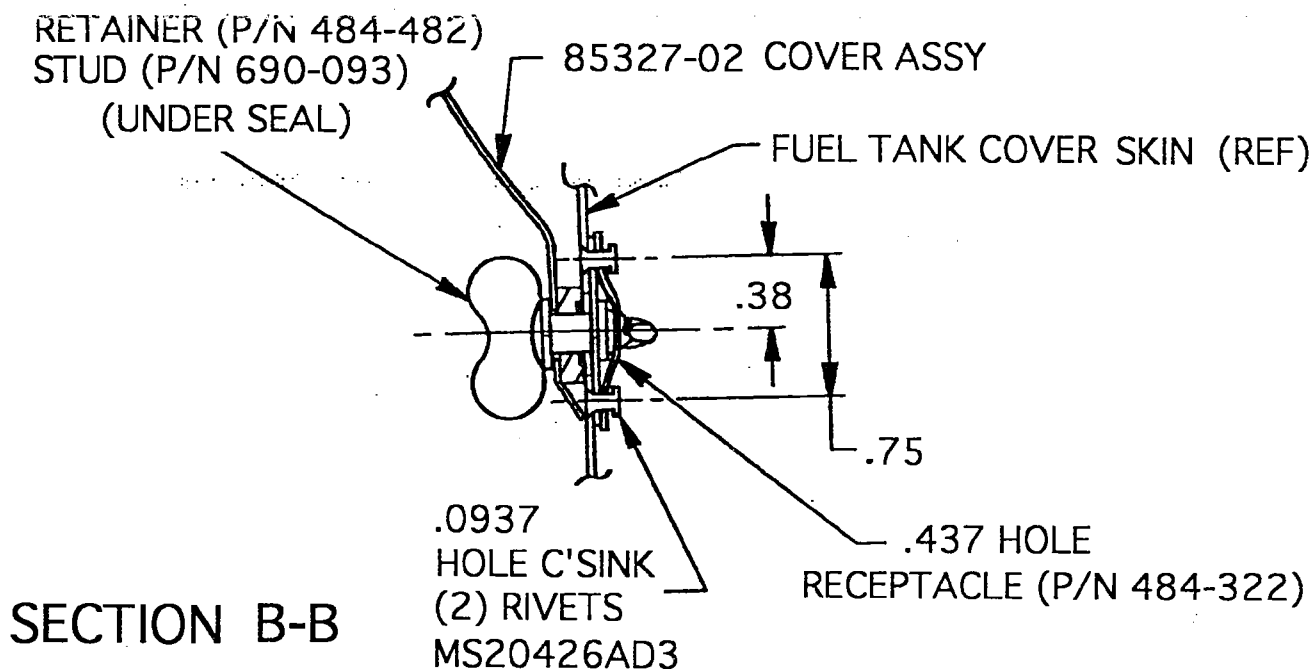
THE LAY OUT SHOWN IS THE SAME  
FOR LEFT AND RIGHT FUEL TANKS.



SKETCH A



SECTION A-A



SECTION B-B

SKETCH B