



# SERVICE No. 905 BULLETIN

Piper Aircraft Corporation  
Vero Beach, Florida, U.S.A.

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\* PIPER CONSIDERS \*  
\* COMPLIANCE MANDATORY \*  
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Date April 6, 1989 S/M

SUBJECT: Auxiliary Primer Switch Replacement

MODELS AFFECTED: SERIAL NUMBERS AFFECTED:

PA-28-201T Turbo Dakota	28-7921001 through 28-7921091
PA-28R-201T Turbo Arrow III	28R-7703001 through 28R-7803373
PA-28RT-201T Turbo Arrow IV	28R-7931001 through 28R-8631005, 2831001 through 2831036
PA-34-200T Seneca II	34-7570001 through 34-8170092
PA-34-220T Seneca III	34-8133001 through 34-8633031, 3433001 through 3433089

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

PURPOSE: It has come to the attention of Piper Aircraft Corporation that in the unlikely event of an internal failure of the Auxiliary Primer Switch, in which the failure could allow uncontrolled activation of the primer system, normal operation of the aircraft engine may not be possible. The uncontrolled activation of the primer system would result in excessive fuel being supplied to the engine which, in turn, would cause the engine to run rough and possibly stop.

This Service Bulletin announces the availability of a new Auxiliary Primer Switch and instructions for installation. The installation of the improved design switch should preclude the possibility of the above condition from occurring.

APPROVAL: The technical contents of this Service Bulletin have been approved by the FAA.

INSTRUCTIONS:

Refer to the appropriate Section of this Service Bulletin for your model of aircraft.

(OVER)  
ATA: 7315

INSTRUCTIONS:

## Section A

Applicable to the following models:  
PA-28-201T, PA-28R-201T, PA-28RT-201T

1. Disconnect the battery.
2. Locate the auxiliary primer switch assembly on the upper center section of the instrument panel.
3. Remove the ABS instrument panel cover assembly to gain access to auxiliary primer switch assembly. Retain the screws.
4. Remove the auxiliary primer switch assembly from the instrument panel. Disconnect the electrical connectors and discard the switch assembly.

NOTE:

For Aircraft with knife connectors, the receptacles on the aircraft harness must be replaced to accommodate the new primer switch assembly. Use one (1) each Connector, Piper Part Number 556-050 (AMP 350865-1) and one (1) each Connector Piper Part Number 556-051 (AMP 350866-1), per switch.

5. To install a new Auxiliary Primer Switch Assembly, Piper Part Number 37756-04: connect the electrical connectors. Secure in position using the hardware supplied with the new switch assembly.
6. Reinstall the ABS instrument panel cover assembly using the screws retained in Instruction 3.
7. Connect the battery.
8. Perform a functional check of the primer system.
9. Make an appropriate logbook entry of compliance with this Service Bulletin.

## Section B

Applicable to the PA-34-200T

1. Disconnect the battery.
2. Locate the two auxiliary primer switch assemblies at the top of the switch panel to the left of the pilot's seat. See Figure 1 (attached).
3. Remove the screws retaining the switch panel to the interior side panel and carefully move the switch panel away from the interior side panel. Retain the screws.
4. Remove the auxiliary primer switch assemblies from their mounting positions. Disconnect the electrical connectors and discard the switch assemblies.
5. To install two new Auxiliary Primer Switch Assemblies, Piper Part Number 37756-05: Connect the electrical connectors. Secure in position using the hardware supplied with each new switch assembly plus two (2) each AN960-416L washer, Piper Part Number 407-585, per switch assembly as shown in Figure 2 (attached).
6. Carefully place the switch panel in its original location and secure with the screws retained in Instruction 3.
7. Connect the battery.
8. Perform a functional check of the primer system.
9. Make an appropriate logbook entry of compliance with this Service Bulletin.

INSTRUCTIONS: (cont.)

## Section C

Applicable to the PA-34-220T

1. Disconnect the battery.
2. Locate the two auxiliary primer switch assemblies at the bottom of the instrument panel in front of the pilot seat.
3. Remove the mounting hardware and remove the auxiliary primer switch assemblies from the instrument panel. Disconnect the electrical connectors and discard both switch assemblies.

NOTE:

For Aircraft with knife connectors, the receptacles on the aircraft harness must be replaced to accommodate the new primer switch assembly. Use one (1) each Connector, Piper Part Number 556-050 (AMP 350865-1) and one (1) each Connector Piper Part Number 556-051 (AMP 350866-1), per switch.

4. To install two new Auxiliary Primer Switch Assemblies, Piper Part Number 37756-04: Connect the electrical connectors. When positioning the switch assemblies in their mounting holes use two (2) each Spacer, Piper Part Number 39603-03 and one (1) each Spacer, Piper Part Number 39603-04 per switch assembly as shown in Figure 3. Secure with the hardware supplied with each switch assembly.
5. Connect the battery.
6. Perform a functional check of the primer system.
7. Make an appropriate logbook entry of compliance with this Service Bulletin.

MATERIAL REQUIRED:           Section A: One (1) each *Auxiliary Primer Switch Assembly*, Piper Part Number 37756-04 per aircraft.  
  Section B: Two (2) each *Auxiliary Primer Switch Assembly*, Piper Part Number 37756-05 and four (4) each AN960-416L Washer, Piper Part Number 407-585 per aircraft.  
  Section C: Two (2) each *Auxiliary Primer Switch Assembly*, Piper Part Number 37756-04; Four (4) each Spacer, Piper Part Number 39603-03 and two (2) each Spacer, Piper Part Number 39603-04 per aircraft.

AVAILABILITY OF PARTS:   Your Piper Field Service Facility.

EFFECTIVITY DATE:           This Service Bulletin is effective upon receipt.

SUMMARY:                    For aircraft in warranty only, 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.

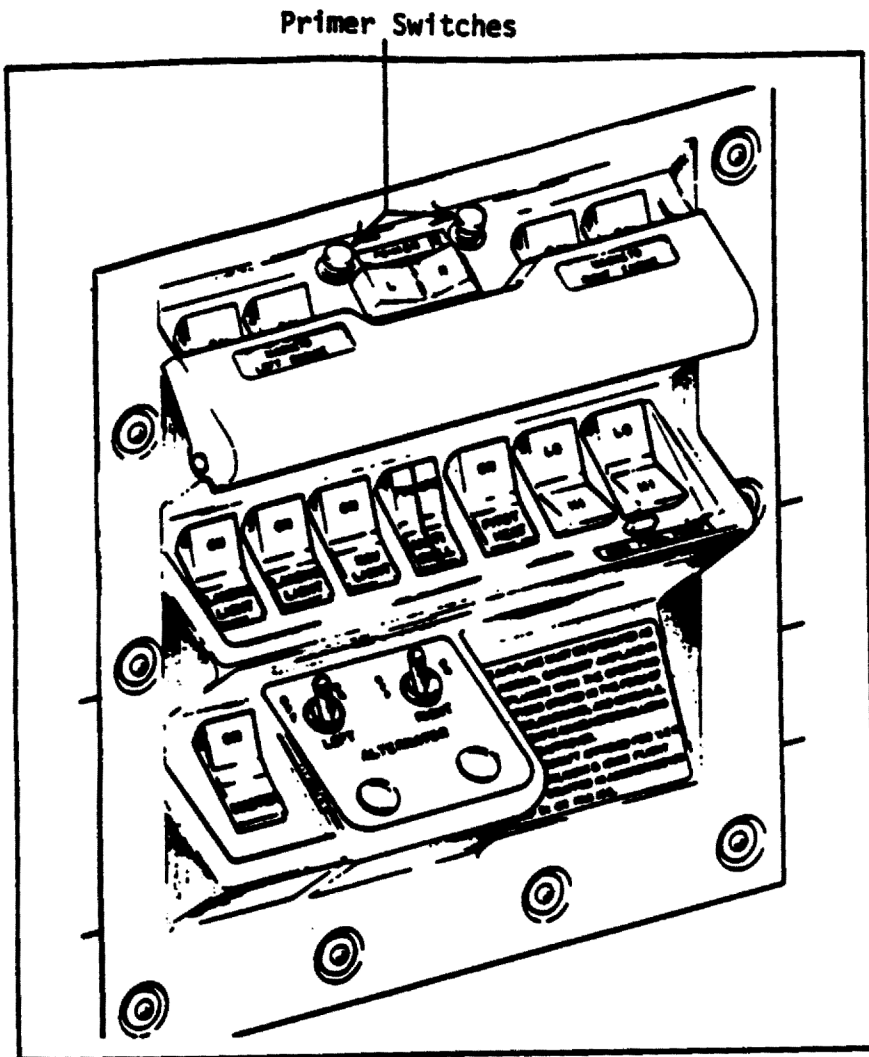
Please contact your Factory Authorized Piper Field Service Facility to make arrangements for compliance with this Service Bulletin, in accordance with the Compliance Time indicated, and to obtain information concerning any applicable Factory Participation.

(Over)

SUMMARY:

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  
P.O. Box 1328  
Vero Beach, Florida 32961-1328



Switch Panel - With Primer Switches

Figure 1

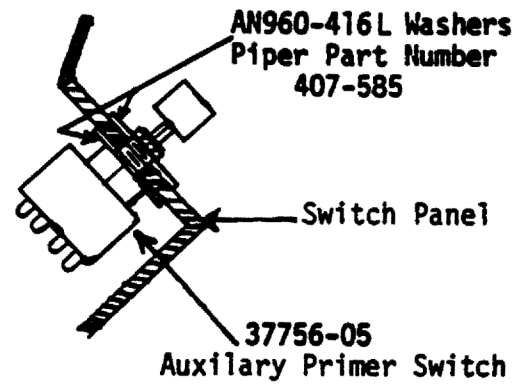
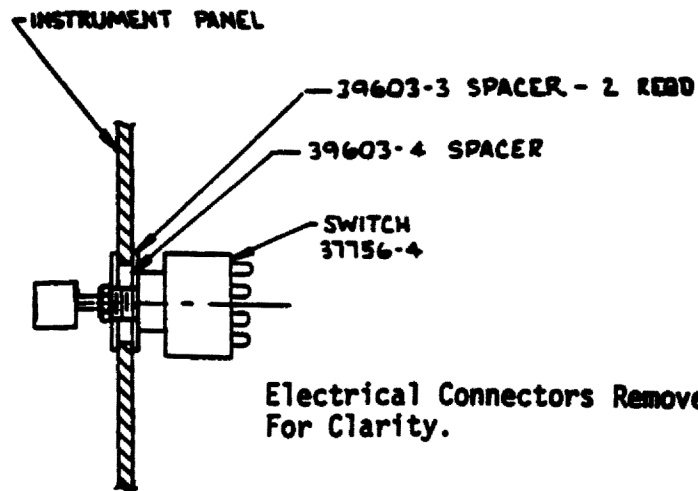


Figure 2



Electrical Connectors Removed  
For Clarity.

Figure 3