



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

SERVICE No. 940A BULLETIN

* PIPER CONSIDERS *
* COMPLIANCE MANDATORY *

Date November 28, 1990 S

<u>SUBJECT:</u>	Throttle Microswitch
<u>REASON FOR REVISION:</u>	To Correct Material Required
<u>MODELS AFFECTED:</u>	<u>SERIAL NUMBERS AFFECTED:</u>
PA-28R-180 Arrow	28R-30001 through 28R-7130013
PA-28R-200 Arrow/Arrow II	28R-35001 through 28R-7635545
PA-28R-201 Arrow III/Arrow	28R-7737001 through 28R-7837317 and 2837001 through 2837035, 2837038 through 2837050
PA-28R-201T Turbo Arrow III/Turbo Arrow	28R-7703001 through 28R-7803372 and 2803001 through 2803012
PA-28RT-201 Arrow IV	28R-7918001 through 28R-8218026
PA-28RT-201T Turbo Arrow IV	28R-7931001 through 28R-8631005 and 2831001 through 2831038

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

PURPOSE: Piper Aircraft has determined that a condition exists under extremely heavy usage, which could result in breakage of the throttle actuated gear warning horn microswitch. This condition, if left uncorrected, will result in the failure of the gear warning horn to sound, or the possibility of an electrical short which will cause the horn to sound continuously.

This Service Bulletin requires an inspection of the gear warning horn microswitch and the replacement of a microswitch actuator arm which will improve the durability of the gear warning horn microswitch installation.

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

- INSTRUCTIONS:
1. Remove all electrical power from the aircraft.
 2. Gain access to engine control quadrant.
 3. Remove the attaching screws from each side and at the bottom of the cover.
 4. Pull the cover aft as required to remove the screws securing the reinforcing clip to the underside of the cover. Remove knobs from the engine control levers.

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INSTRUCTIONS (CONT'D):

5. Remove the cover.
6. Remove the switch attaching screws.
7. Disconnect the electrical leads from the switch. Remove the switch.
8. Carefully inspect the switch for damage. If the switch shows any cracks or damage of any kind, replace with Microswitch, Piper Part Number 487-925.
9. Install Actuator Arm, Piper Part Number 67210-008, onto the throttle microswitch as shown in Sketch A.
10. Move the throttle forward and aft, ascertain that the switch actuates.
11. Reconnect electrical power to the aircraft.
12. Flight test the airplane and adjust the gear warning system in accordance with the appropriate Chapter or Section of the applicable Service or Maintenance Manual.
13. Assure that the gear warning microswitch attachment screws are tight.
14. Reinstall the quadrant cover. Reinstall the engine control lever knobs.
15. Make an appropriate logbook entry of compliance with this Service Bulletin.

MATERIAL REQUIRED: One (1) each, Actuator Arm, Piper Part Number 67210-008, if required by inspection, one (1) each Microswitch, Piper Part Number 487-925.

AVAILABILITY OF PARTS: Your local Piper Field Service Facility

EFFECTIVITY DATE: This Service Bulletin is effective upon receipt.

SUMMARY: 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.

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.

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

