



SERVICE ^{No. 811} BULLETIN

Piper Aircraft Corporation

Vero Beach, Florida, U.S.A.

FAA Approved

**PIPER CONSIDERS
COMPLIANCE MANDATORY.**

January 8, 1986

S/M

(Service Bulletin No. 811 supersedes and voids Service Bulletin No. 698A, dated August 17, 1982)

SUBJECT:

Ammeter Replacement

MODELS AFFECTED:

PA-28-180 Archer
 PA-28-181 Archer II

PA-28-201T Turbo Dakota
 PA-28-235 Pathfinder
 PA-28-236 Dakota
 PA-28R-200 Arrow II
 PA-28R-201 Arrow III
 PA-28RT-201 Arrow IV
 PA-28R-201T Turbo Arrow III
 PA-28RT-201T Turbo Arrow IV
 PA-32-260 Cherokee Six 260
 PA-32-300 Cherokee Six 300
 PA-32R-300 Lance
 PA-32RT-300 Lance II
 PA-32RT-300T Turbo Lance II
 PA-32-301 Saratoga
 PA-32-301T Turbo Saratoga
 PA-32R-301 Saratoga S.P.
 PA-32R-301T Turbo Saratoga S.P.
 PA-34-200T Seneca II

SERIAL NUMBERS AFFECTED:

28-7405001 through 28-7505259
 28-7690001 through 28-8190279,
 28-8290017, 28-8290018, 28-8290028,
 28-8290033, 28-8290034 and
 28-8290036

28-7921001 through 28-7921091
 28-7410001 through 28-7710089
 28-7911001 through 28-8511020
 28R-7435001 through 28R-7635545
 28R-7737001 through 28R-7837317
 28R-7918001 through 28R-8218026
 28R-7703001 through 28R-7803373
 28R-7931001 through 28R-8231080
 32-7400001 through 32-7800008
 32-7440001 through 32-7940290
 32R-7680001 through 32R-7880068
 32R-7885001 through 32R-7985105
 32R-7887002 through 32R-7987126
 32-8006001 through 32-8106087
 32-8024001 through 32-8124030
 32R-8013001 through 32R-8113094
 32R-8029001 through 32R-8129090
 34-7570001 through 34-8170092

COMPLIANCE TIME:

Within the next ten (10) hours of operation or to coincide with the next regularly scheduled inspection event, whichever occurs first.

PURPOSE:

Reports have been received of loose and/or shorting ammeter connections at the ammeter cluster gauge.

If this condition exists and is left uncorrected, damage could occur to the ammeter, its wiring and the cluster, with the possibility of electrical failure and/or fire within the cockpit.

(over)
ATA: 2430

PURPOSE CONT'D):

This Service Bulletin announces the availability of a shunted ammeter kit which, when installed, will eliminate full electrical power passing through the ammeter gauge. The use of a remote electrical shunt in the ammeter installation will eliminate the possibility of electrical failure and/or fire associated with a shorted ammeter.

NOTE: Service Bulletin No. 811 does not apply to aircraft equipped with ninety (90) ampere alternators.

INSTRUCTIONS: All instructions necessary to accomplish this modification are contained in the Ammeter Replacement Kit, Piper Part Number 765-186.

MATERIAL REQUIRED: One (1) each Ammeter Replacement Kit, Piper Part Number 765-186, per aircraft. NOTE: For PA-34 Model Aircraft, two (2) each Ammeter Replacement Kits will be required.

AVAILABILITY OF PARTS: Your Piper Field Service Facility.

EFFECTIVITY DATE: This Service Bulletin is effective upon receipt.

SUMMARY: Please contact your Piper Field Service Facility to make arrangements for compliance with the provisions of this Service Bulletin in accordance with the compliance time indicated. Credit is available for material only on all affected aircraft. For aircraft in warranty only, credit is available for material and for up to two (2.0) hours labor on single engine aircraft and for up to four (4.0) hours labor on multi-engine aircraft.

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.

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