



The New Piper Aircraft, Inc.
2926 Piper Drive
Vero Beach, Florida, U.S.A. 32960

SERVICE

1024

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Date: August 4, 1999

(S)

SUBJECT:

Induction Airbox Air Valve Bushing Improvement

MODELS AFFECTED:

PA-28-181 Archer III

SERIAL NUMBERS AFFECTED:

2890206 through 2890231,
2843001 through 2843237

COMPLIANCE TIME:

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

PURPOSE:

It has been discovered that the bushings and grommets which support the induction airbox air valve are wearing quickly necessitating early repair. This condition has been remedied by an improved design of the bushings and replacement of the existing induction airbox air valve. Left uncorrected, this condition over time may allow the induction airbox air valve to come loose and wear into the airbox housing, which may require expensive repairs or airbox replacement.

This Service Letter announces the availability of an Induction Airbox Modification kit, which when installed will provide an improvement in the induction airbox air valve service life.

APPROVAL:

The technical contents of this Service Letter have been approved by the Federal Aviation Administration (F.A.A.).

INSTRUCTIONS:

1. Install the Induction Airbox Modification kit, Piper Part Number, 766-666. Only one kit is required per aircraft. All of the necessary instructions and materials for successful modification of the induction airbox are contained in the kit. See Fig. 1 & 2 for reference.
2. Perform an engine ground run per the appropriate chapter of the applicable Maintenance Manual to assure engine performance. Correct as required.
3. Make an appropriate logbook entry indicating compliance with this Service Letter.

MATERIAL REQUIRED:

One (1) each Kit, Induction AirBox Modification, Piper Part Number

766-666, per aircraft.

(OVER)

ATA: 7164

AVAILABILITY OF PARTS: Your Piper Field Service Facility.

EFFECTIVITY DATE: This Service Letter is effective upon receipt.

SUMMARY: This is a product improvement. Applicable Factory Participation is limited to new aircraft in warranty at the time of compliance. Factory Participation will remain in effect for a period of time **not to exceed 180 days** from the date of this Service Letter.

Please contact your Factory Authorized Piper Service Facility to make arrangements for compliance with this Service Letter 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:

THE NEW PIPER AIRCRAFT, INC.
Attn: Customer Services
2926 Piper Drive
Vero Beach, FL 32960

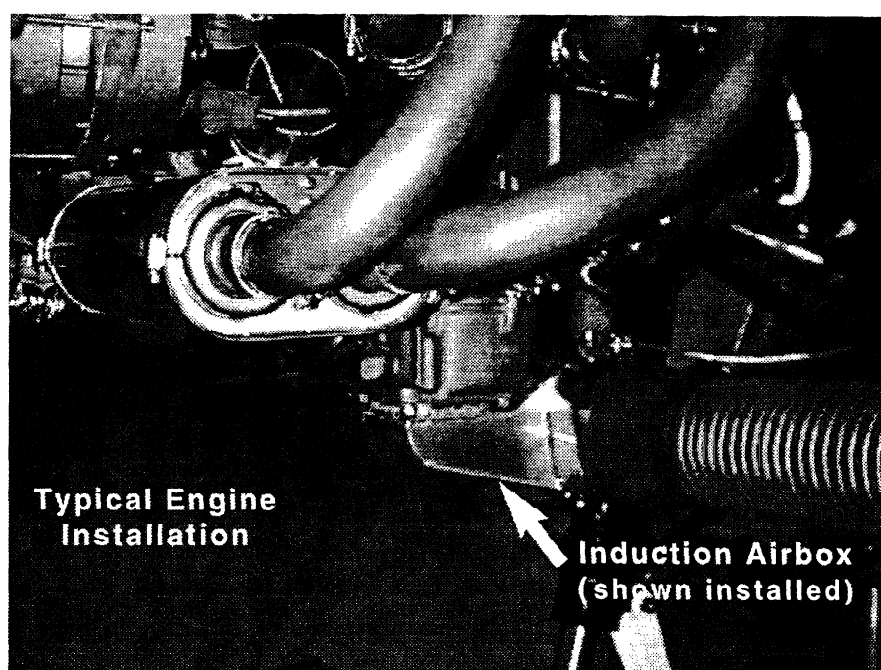


Fig. 1

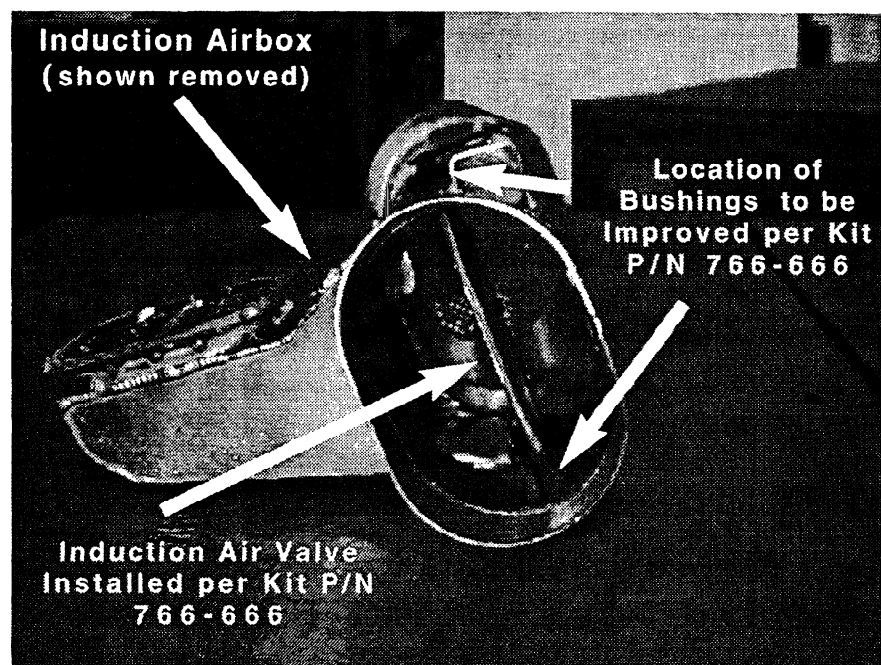


Fig. 2