



SERVICE LETTER

No. 558

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

July 1, 1970

- Subject: Air Flow Modification Kit
- Models Affected: PA-30 Twin Comanche
- Serial Numbers Affected: 30-1 to 30-2000 incl.
- Compliance Time: This modification kit will be provided free of charge to the customer for a period of time not to exceed one (1) year from date of this publication.
- Purpose: To improve operational characteristics during slow speed maneuvers, the subject modification is offered for the above listed Twin Comanches.
- The subject modification kit encompasses the following basic items:
- (1) Wing Flow Strips
 - (2) Rudder Seal Strip
 - (3) Aileron - Rudder Interconnect System
 - (4) Rudder Rigging Data
 - (5) Aileron Rigging Data
 - (6) Stabilator Rigging Data
- Instructions:
1. Installation material contained in Air Flow Modification Kit, part number 760 409.
 2. A compliance card is included with the subject kit to be returned to the factory, indicating that the subject modification has been performed.
 3. This modification does not apply to PA-30 aircraft in the following configurations:
 - a. Aircraft modified to incorporate the Counter Rotating Powerplant Conversion Kit, Piper part no. 760 368 (reference Piper Service Letter No. 552).
 - b. Aircraft exteriors modified in the field in any manner (other than through the installation of factory approved modification kits). Contact the factory for approval data for aircraft in this configuration.

(Over)

Instructions: (Continued)

- c. Aircraft with deicer boots installed (approval for the subject modification on deicer-equipped aircraft will be forthcoming in the near future).

Material Required:

One (1) each (per aircraft) Air Flow Modification Kit, part number 760 409.

NOTE

PA-30 aircraft serial numbers 30-549 to 30-852 incl., 30-854 to 30-901 incl. with the AltiMatic II automatic Pitch Trim Sensor No. 1D-310-124 (Piper part number 756 198) installed requires the following:

One (1) each (per aircraft) Pitch Trim Sensor Relocation Kit, part number 760 448;

PA-30 aircraft that have had the Piper AltiMatic II Installation Kit, part number 756 843 (with the AltiMatic II automatic Pitch Trim Sensor No. 1D-310-124, Piper part number 756 198) field-installed requires the following:

One (1) each (per aircraft) Pitch Trim Sensor Relocation Kit, part number 760 448.

Availability of Parts:

Piper Dealer.

Material Allowance:

One (1) each (per aircraft) Air Flow Modification Kit, part number 760 409;

One (1) each (per aircraft) Pitch Trim Sensor Relocation Kit, part number 760 448, as required (reference NOTE, Material Required, above);

Comply with Service Publication Compliance/Credit Request procedure.

Labor Allowance:

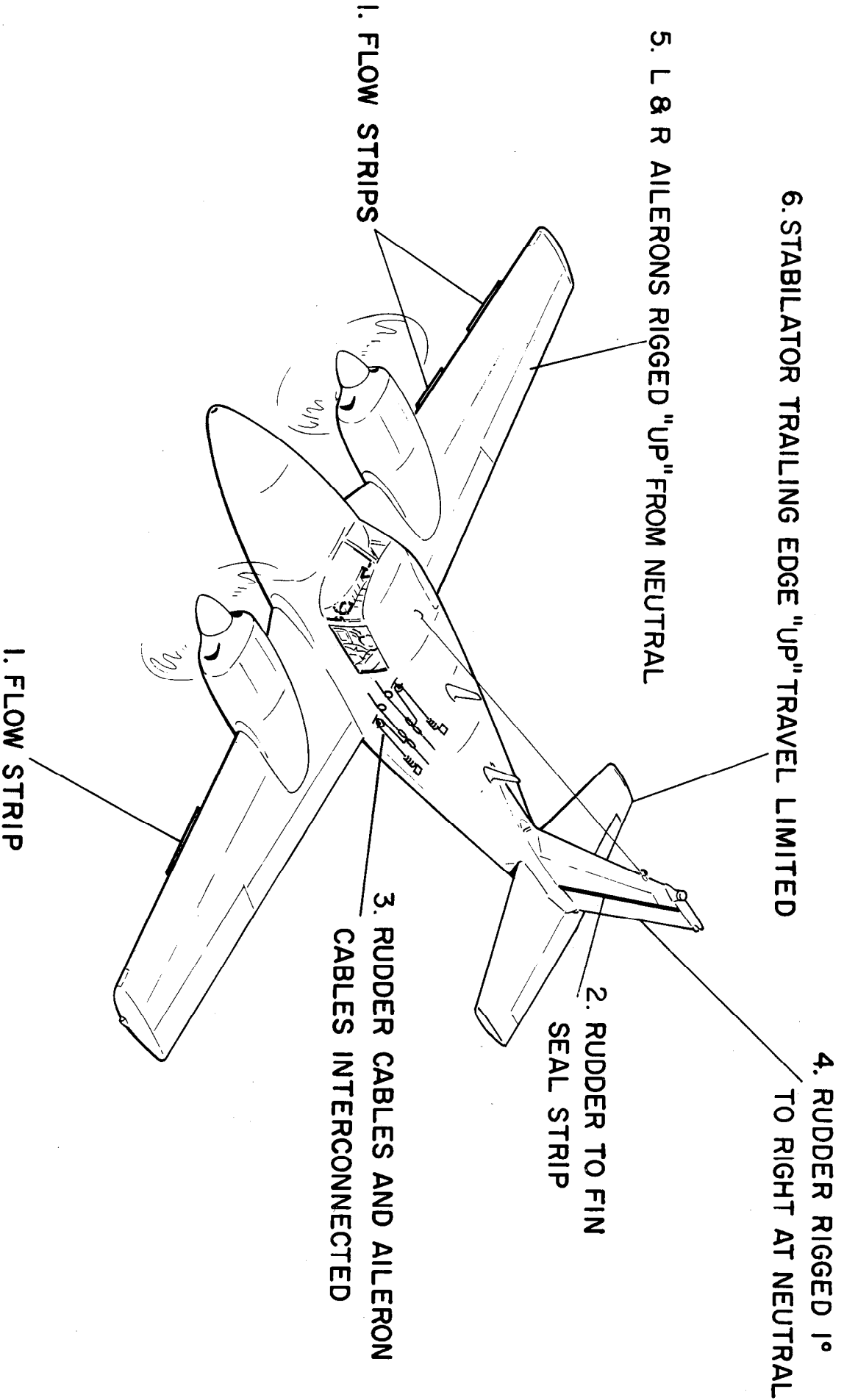
Twenty (20) hours per aircraft; comply with Service Publication Compliance/Credit Request procedure.

Disposition of Parts in Stock:

Not applicable.

Disposition of Replaced Parts:

Not applicable.



6. STABILATOR TRAILING EDGE "UP" TRAVEL LIMITED

4. RUDDER RIGGED 1° TO RIGHT AT NEUTRAL

5. L & R AILERONS RIGGED "UP" FROM NEUTRAL

2. RUDDER TO FIN SEAL STRIP

3. RUDDER CABLES AND AILERON CABLES INTERCONNECTED

1. FLOW STRIPS

1. FLOW STRIP

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A. 17745
TELEX 841412 AREA CODE 717 748-6711



CABLE ADDRESS: CUB

July 19, 1971

TO: All Piper Distributors

SUBJECT: Letter dated July 19, 1971 to PA-30 Owners
re Air Flow Modification (Piper Service Letter No. 558)

Gentlemen:

The subject letter has been mailed direct to owners of FAA record. Please be sure that all owners in your area are actively campaigned in the interest of securing 100% compliance with Service Letter No. 558.

Your active participation to assure that this condition takes place is requested.

Very truly yours,

PIPER AIRCRAFT CORPORATION



Robert A. Martin
Administrator - Customer Services

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P.S. Domestic Distributors: Please refer to a recent copy of an IBM PA-30 owner list to determine the scope of our direct owner mailing in your area. Extra copies of the owner letter are enclosed for your supplemental mailing.

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A. 17745
TELEX 841412 AREA CODE 717 748-6711



CABLE ADDRESS: CUB

July 19, 1971

TO: PA-30 Owners

SUBJECT: Air Flow Modification (Piper Service Letter No. 558)

Dear PA-30 Owner:

The free of charge time period provisions of the subject Service Letter has expired.

Our records to date indicate that a number of PA-30 owners have not taken advantage of the recommended air flow modification as provided and, in the interest of our customers, we are extending this free of charge time period 150 days from July 1, 1971. We ask you to give serious consideration to having your aircraft modified accordingly.

Providing you have already complied with the subject service publication, please disregard this follow-up letter.

CUSTOMER SERVICES
PIPER AIRCRAFT CORPORATION

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August 20, 1971

Addendum No. 1

Service Letter No. 558

Subject: Air Flow Modification Kit for PA-30 Aircraft Equipped
With Wiggins De-Icing System

Purpose: Please refer to the information contained in Instructions
No. 3c on page 2 of Piper Service Letter No. 558, dated
July 1, 1970: This communication announces the
availability of an Air Flow Modification Kit for aircraft
with Wiggins Reservoir Type Pneumatic Wing De-Icing
Kit previously installed.

Material Required:

Part Number
760 564

Nomenclature
Kit-Air Flow Modification for PA-30 Aircraft Equipped
with Wiggins Reservoir Type Pneumatic Wing De-Icing Kit

The above referenced modification kit contains the following basic items:

1. Rubber Wing Flow Strips
2. Rudder Seal Strip
3. Aileron-Rudder Interconnect System
4. Rudder Rigging Data
5. Aileron Rigging Data
6. Stabilator Rigging Data

This addendum is to be attached to and become an integral part of Service Letter No. 558.