



SERVICE LETTER

No. 567

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

January 25, 1971

Subject: Flight Manual Supplement (expanded center of gravity range)

Models Affected: PA-28-180-235 Cherokee

Serial Numbers Affected: PA-28-180, Serial Nos. 28-671 to 28-5859 incl.
PA-28-235, Serial Nos. 28-10001 to 28-11378 incl.

Compliance Time: At owners discretion.

Purpose: To announce the availability of Airplane Flight Manual Supplemental information concerning expanded center of gravity range applicable to the above referenced aircraft.

Instructions:

1. PA-28-180 Aircraft, Serial Nos. 28-671 to 28-3072 incl.; Aircraft in this serial number range must have landing gear strut piston tube, Piper part number 65280-00V installed before the appropriate airplane flight manual supplement with expanded center of gravity range data applies. In other words, for aircraft within this serial number range to comply with the specifications of this service letter,
 - a. Insure that landing gear strut piston tube, Piper part number 65280-00V is installed,
 - b. Procure and attach Supplement No. 2 to the Airplane Flight Manual, Report No. VB-261.
2. PA-28-180 Aircraft, Serial Nos. 28-3073 to 28-5859 incl.; Procure and attach Supplement No. 2 to Airplane Flight Manual Report No. VB-261.
3. PA-28-235 Aircraft, Serial Nos. 28-10001 to 28-11378 incl.; Procure and attach Supplement No. 1 to Airplane Flight Manual Report No. VB-274.
4. Subsequent to completion of the above steps, make appropriate log book entry.

(over)

Material Required:

1. PA-28-180, 28-671 to 28-3072 incl.; One (1) each (per aircraft) Supplement No. 2 to Airplane Flight Manual Report No. VB-261.

One (1) each Landing Gear Strut Piston Tube, Piper part number 65280-00V, as required per Instructions No. 1 above.

2. PA-28-180, 28-3073 to 28-5859 incl.; One (1) each (per aircraft) Supplement No. 2 to Airplane Flight Manual Report No. VB-261 (reference Instructions No. 2, above) @ \$1.00 per Supplement.

3. PA-28-235, 28-10001 to 28-11378 incl.; One (1) each (per aircraft) Supplement No. 1 to Airplane Flight Manual Report No. VB-274 (reference Instructions No. 3, above) @ \$1.00 per Supplement.

Availability of Material:

Your Piper Dealer.

Summary:

The requirements of this Service Letter are complete when compliance with Instructions, above has been achieved. Please contact your Piper Dealer to make arrangements for procurement of the required material.

PREPARED	PIPER AIRCRAFT CORP. DEVELOPMENT CENTER, VERO BEACH, FLA.	Airplane Flight Manual Supplement
CHECKED		Model PA-28-180
APPROVED	REPORT VB-261	PAGE _____

AIRPLANE FLIGHT MANUAL

SUPPLEMENT NO. 2

CENTER OF GRAVITY RANGE

FOR

MODEL PA-28-180

THIS AIRPLANE FLIGHT MANUAL SUPPLEMENT IS APPLICABLE TO AIRCRAFT WITH SERIAL NUMBERS 28-671 TO 28-3072, INCLUSIVE, WHEN PIPER PART NO. 65280-00 TUBE-LANDING GEAR STRUT PISTON IS INSTALLED.

SERIAL NUMBERS 28-3073 TO 28-5859 MAY USE THIS SUPPLEMENT WITH NO ADDITIONAL MODIFICATION TO THE AIRCRAFT.

THIS DOCUMENT MUST BE ATTACHED TO THE AIRPLANE FLIGHT MANUAL

FAA APPROVED:


G. C. Stephen, FAA DDA SO-1
Piper Aircraft Corporation

DATE: September 14, 1970

PREPARED	PIPER AIRCRAFT CORP. DEVELOPMENT CENTER, VERO BEACH, FLA.	Airplane Flight Manual Supplement Model PA-28-180
CHECKED		
APPROVED		REPORT VB-261 PAGE <u>ii</u>

PIPER MODEL PA-28-180

Log of Revisions

REVISION NO.	PAGE	DESCRIPTION	APPROVED	DATE
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FAA APPROVED 9/14/70

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PIPER MODEL PA-28-180
NORMAL AND UTILITY CATEGORIES

AIRPLANE FLIGHT MANUAL SUPPLEMENT

This supplement must be attached to the Airplane Flight Manual dated August 3, 1962 or August 12, 1964 or April 22, 1969, when the expanded C.G. Envelope is used. The information contained herein supplements the information of the basic Airplane Flight Manual; for limitations, procedures, and performance data not contained in this document, consult the manual proper.

1. Limitations Section The following limitations must be observed in the operation of this airplane with this center of gravity range:

Maximum Weight 2400 lbs.

C. G. Range The datum used is 78.4 inches ahead of wing leading edge at the intersection of the straight and tapered section.

1. Normal Category

Weight (Pounds)	Forward Limit (In. Aft of Datum)	Rearward Limit (In. Aft of Datum)
2400	91.0	94.5
2200	87.8	95.9
2150	87.0	95.9
1650	84.0	95.9

2. Utility Category

Weight (Pounds)	Forward Limit (In. Aft of Datum)	Rearward Limit (In. Aft of Datum)
1950	85.8	86.5
1650	84.0	86.5

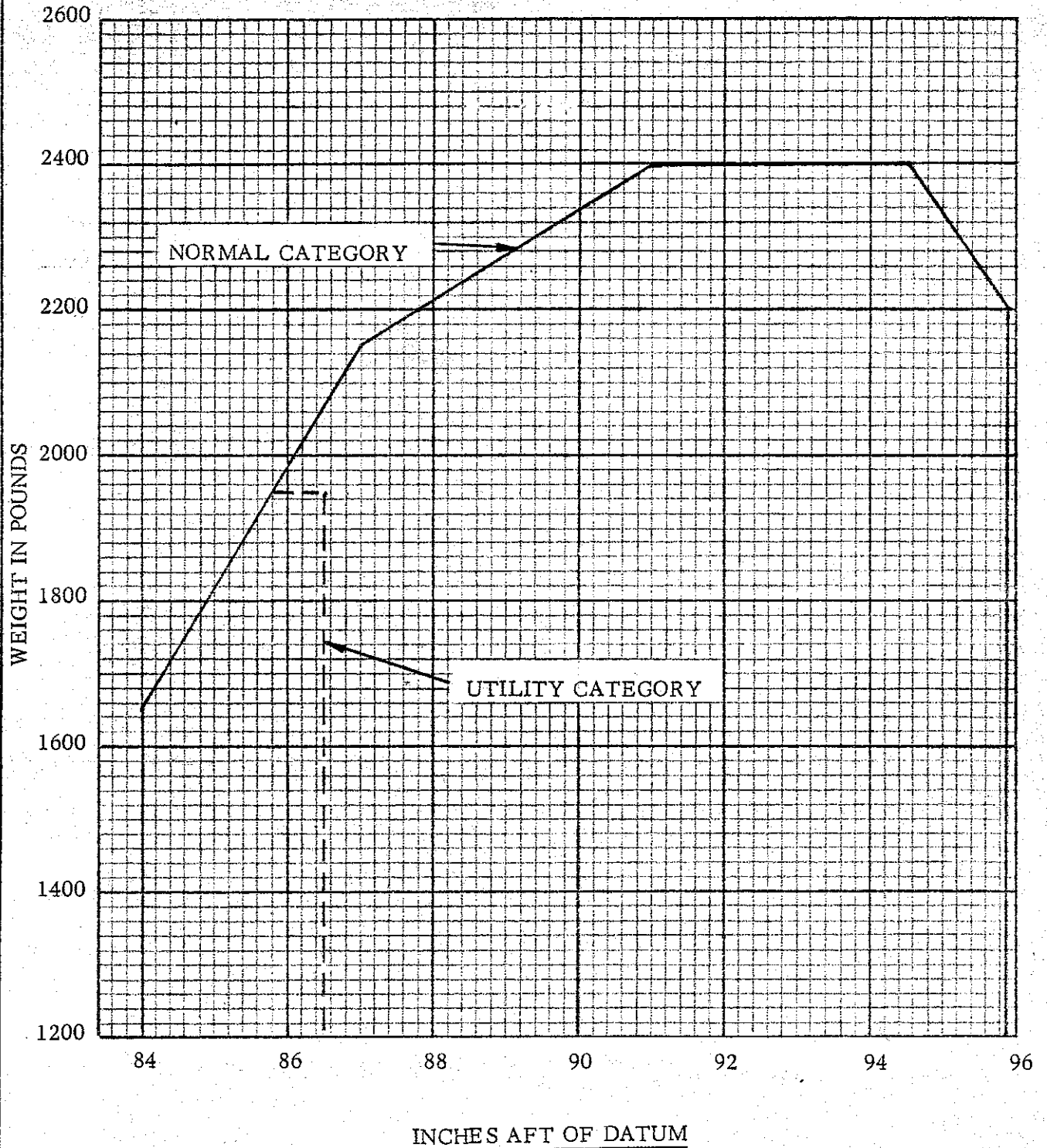
2. Procedures "No Change"

3. Performance "No Change"

FAA APPROVED 9/14/70

REVISED

C. G. RANGE AND WEIGHT



PREPARED	PIPER AIRCRAFT CORP. DEVELOPMENT CENTER, VERO BEACH, FLA.	Airplane Flight Manual Supplement
CHECKED		Model PA-28-235
APPROVED	REPORT VB-274	PAGE _____

AIRPLANE FLIGHT MANUAL

SUPPLEMENT NO. 1

CENTER OF GRAVITY RANGE

FOR

MODEL PA-28-235

SERIAL NUMBERS 28-10001 to 28-11378 MAY USE THIS SUPPLEMENT WITH NO ADDITIONAL MODIFICATION TO THE AIRCRAFT.

THIS DOCUMENT MUST BE ATTACHED TO THE AIRPLANE FLIGHT MANUAL

FAA APPROVED: G. C. Stephen
G. C. Stephen, FAA DOA SO-1

DATE: September 14, 1970

PREPARED	PIPER AIRCRAFT CORP. DEVELOPMENT CENTER, VERO BEACH, FLA.	Airplane Flight Manual Supplement Model PA-28-235
CHECKED		
APPROVED		REPORT VB-274

Log of Revisions

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PIPER MODEL PA-28-235
NORMAL CATEGORY

AIRPLANE FLIGHT MANUAL SUPPLEMENT

This supplement must be attached to the Airplane Flight Manual dated July 15, 1963 or August 12, 1964, when the expanded C. G. envelope is used. The information contained herein supplements the information of the basic Airplane Flight Manual; for limitations, procedures, and performance data not contained in this document, consult the manual proper.

1. Limitations Section The following limitations must be observed in the operation of this airplane with this center of gravity range:

Maximum Weight 2900 lbs.

C. G. Range The datum used is 78.4 inches ahead of wing leading edge at the intersection of the straight and tapered section.

<u>Weight</u> <u>(Pounds)</u>	<u>Forward Limit</u> <u>(In. Aft of Datum)</u>	<u>Rearward Limit</u> <u>(In. Aft of Datum)</u>
2900	91.5	93.5
2600	86.0	93.5
2100	81.5	93.5

2. Procedures "No Change"

3. Performance "No Change"

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Airplane Flight Manual
Supplement
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C. G. RANGE AND WEIGHT

