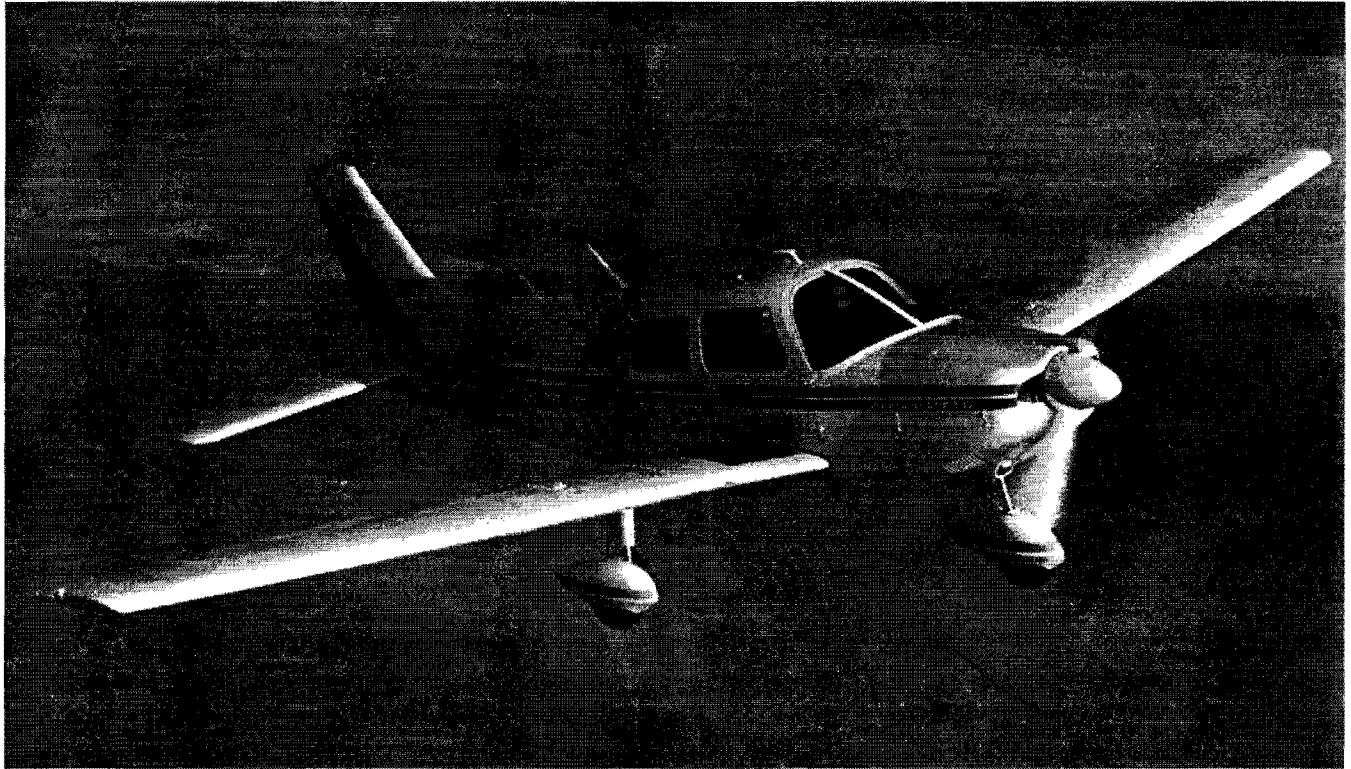


PILOT'S OPERATING HANDBOOK

PIPER CHEROKEE ARCHER II



FAA APPROVED IN NORMAL AND UTILITY CATEGORIES BASED ON CAR 3 AND FAR PART 21, SUBPART J. THIS HANDBOOK INCLUDES THE MATERIAL REQUIRED TO BE FURNISHED TO THE PILOT BY CAR 3 AND FAR PART 21, SUBPART J AND CONSTITUTES THE APPROVED AIRPLANE FLIGHT MANUAL AND MUST BE CARRIED IN THE AIRPLANE AT ALL TIMES.

AIRPLANE SERIAL NO. 7790421
~~28-7700037~~

AIRPLANE REGISTRATION NO. SE-KSM

PA-28-181
REPORT: VB-790

FAA APPROVED BY: Ward Evans
WARD EVANS
D.O.A. NO. SO-1
PIPER AIRCRAFT CORPORATION
VERO BEACH, FLORIDA

DUPLICATE

DATE OF APPROVAL: JUNE 18, 1976



WARNING

EXTREME CARE MUST BE EXERCISED TO LIMIT THE USE OF THIS MANUAL TO APPLICABLE AIRCRAFT. THIS MANUAL REVISED AS INDICATED BELOW OR SUBSEQUENTLY REVISED IS VALID FOR USE WITH THE AIRPLANE IDENTIFIED ON THE FACE OF THE TITLE PAGE WHEN OFFICIALLY APPROVED. SUBSEQUENT REVISIONS SUPPLIED BY PIPER AIRCRAFT CORPORATION MUST BE PROPERLY INSERTED.

MODEL PA-28-181, CHEROKEE ARCHER II

PILOT'S OPERATING HANDBOOK, REPORT: VB-790 REVISION _____ 10

PIPER AIRCRAFT CORPORATION
APPROVAL SIGNATURE AND STAMP _____

Susan Groenwoldt

Published by
PUBLICATIONS DEPARTMENT
Piper Aircraft Corporation
Issued: June 18, 1976

REPORT: VB-790

APPLICABILITY

The aircraft serial number eligibility bracket for application of this handbook is 28-7790001 through 28-7990589. The specific application of this handbook is limited to the Piper PA-28-181 model airplane designated by serial number and registration number on the face of the title page of this handbook.

This handbook cannot be used for operational purposes unless kept in a current status.

REVISIONS

The information compiled in the Pilot's Operating Handbook will be kept current by revisions distributed to the airplane owners.

Revision material will consist of information necessary to update the text of the present handbook and/or to add information to cover added airplane equipment.

I. Revisions

Revisions will be distributed whenever necessary as complete page replacements or additions and shall be inserted into the handbook in accordance with the instructions given below:

1. Revision pages will replace only pages with the same page number.
2. Insert all additional pages in proper numerical order within each section.
3. Page numbers followed by a small letter shall be inserted in direct sequence with the same common numbered page.

II. Identification of Revised Material

Revised text and illustrations shall be indicated by a black vertical line along the outside margin of the page, opposite revised, added or deleted material. A line along the outside margin of the page opposite the page number will indicate that an entire page was added.

Black lines will indicate only current revisions with changes and additions to or deletions of existing text and illustrations. Changes in capitalization, spelling, punctuation or the physical location of material on a page will not be identified by symbols.

ORIGINAL PAGES ISSUED

The original pages issued for this handbook prior to revision are given below:

Title, ii through v, 1-1 through 1-14, 2-1 through 2-8, 3-1 through 3-12, 4-1 through 4-16, 5-1 through 5-28, 6-1 through 6-52, 7-1 through 7-26, 8-1 through 8-16, 9-1 through 9-14, 10-1 through 10-2.

PILOT'S OPERATING HANDBOOK LOG OF REVISIONS

Current Revisions to the PA-28-181 Cherokee Archer II Pilot's Operating Handbook, REPORT: VB-790 issued June 18, 1976

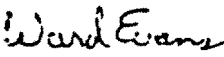

Revision Number and Code	Revised Pages	Description of Revision	FAA Approval Signature and Date
Rev. 1 - 761 624 (PR760804)	2-1	Revised "Never Exceed Speed" KIAS value.	<i>Ward Evans</i> Ward Evans August 4, 1976
	2-2	Revised Airspeed Indicator Markings.	
	6-i	Revised report number at bottom of page.	
	6-41	Revised Arm and Moment for item 177.	
	6-43	Revised items 193, 195 and 197.	
Rev. 2 - 761 624 (PR770120)	3-4	Revised Open Door procedure.	<i>Ward Evans</i> Ward Evans Jan. 20, 1977
	3-11	Revised para. 3.27 info.	
	4-7	Added Caution to para. 4.9; relocated material to page 4-8.	
	4-8	Added relocated material from page 4-7.	
	4-14	Added Note to para. 4.31.	
	4-15	Revised stall speed in para. 4.35.	
	5-4	Revised wording in para. 5.5 (c).	
	5-6	Revised fuel quantity figure in para. 5.5 (g).	
	5-23	Revised 55% & 75% range figures in Fig. 5-25.	
	6-4	Added A & B values to Fig. 5-1.	
	6-5	Revised weight and balance formula.	
	6-21	Added Weight, Arm and Moment to item 29 a.; added item 29 b.; changed existing item 29 b. to 29c.	
	6-35	Revised item 79 Arm and Moment.	
	6-37	Revised item 115 Dwg. 99002-5 to -8 and item 117 Dwg. 99003-5 to -7.	
	6-44	Revised footnote.	
6-48	Revised item 257b. Arm and Moment.		
7-21	Added info to para. 7.25.		
10-1	Revised 10.3(c); relocated material to page 10-2.		
10-2	Added relocated material from page 10-1.		
Rev. 3 - 761 624 (PR770225)	1-6	Corrected to "Meteorological."	<i>Ward Evans</i> Ward Evans Feb. 25, 1977
	3-11	Revised NOTE.	
	4-4	Revised Hot Start procedure.	
	4-9	Revised 4.13 (b).	
	6-4	Revised Leveling Diagram illustration.	
	6-49	Revised Dwg. Nos. of items 287 and 289.	
7-25	Added ELT test info.		

REPORT: VB-790

PILOT'S OPERATING HANDBOOK LOG OF REVISIONS (cont)


Revision Number and Code	Revised Pages	Description of Revision	FAA Approval Signature and Date
Rev. 4 - 761 624 (PR770712)	1-3	Added new propeller to 1.5 and added footnote.	
	1-11, 1-12.	Revised section 1.21, Conversion Factors.	
	1-13, 1-14		
	2-2	Added new propeller to 2.7, item (j) and added footnote.	
	4-4	Revised Starting With External Power Source.	
	4-9	Revised item 4.13 (d) Starting Engine With External Power Source.	
	4-10	Added CAUTION.	
	5-9	Revised page nos.; revised titles; added pages; added figures.	
	5-19	Added ser. nos.	
	5-20	Relocated Fig. 5-19 to page 5-21; added new chart (Fig. 5- 18).	
	5-21	Relocated Fig. 5-21 to page 5-23; added re-located Fig. 5-19; added ser. nos.	
	5-22	Relocated Fig. 5-23 to page 5-25; added new chart (Fig. 5-20).	
	5-23	Relocated Fig. 5-25 to page 5-27; added re-located Fig. 5-21; added ser. nos.	
	5-24	Relocated Fig. 5-27 to page 5-29; added new chart (Fig. 5-22).	
	5-25	Relocated Fig. 5-29 to page 5-30; added re-located Fig. 5-23; added ser. nos.	
	5-26	Relocated Fig. 5-31 to page 5-31; added new chart (Fig. 5-24).	
	5-27	Relocated Fig. 5-33 to page 5-32; added re-located Fig. 5-25; added ser. nos.	
	5-28	Relocated Fig. 5-35 to page 5-33; added new chart (Fig. 5-26).	
	5-29	Added page (added relocated Fig. 5-27).	
	5-30	Added page (added relocated Fig. 5-29).	
	5-31	Added page (added relocated Fig. 5-31).	
	5-32	Added page (added relocated Fig. 5-33).	
	5-33	Added page (added relocated Fig. 5-35).	
	5-34	Added page (int. blank).	
	6-17	Added item 3.	
	6-33	Added items 76 and 77.	
	6-45	Added item 223; renumbered items; re-located item.	
	6-46	Added relocated items; renumbered items; added new items; relocated items; removed footnotes; added footnote.	
	6-47	Added relocated items; renumbered items; added new items; relocated items; added footnote.	

PILOT'S OPERATING HANDBOOK LOG OF REVISIONS (cont)


Revision Number and Code	Revised Pages	Description of Revision	FAA Approval Signature and Date	
Rev. 4 - 761 624 (PR770712) (cont)	6-48	Added relocated items; renumbered items; added new items; revised item 277; relocated items; added footnotes.	 Ward Evans July 12, 1977	
	6-48a	Added page (added relocated items and new item).		
	6-48b	Added page.		
	6-49	Renumbered items; revised items 325 and 329.		
	6-50	Renumbered items; revised item 349.		
	7-1	Added new propeller model to para. 7.5.		
	7-18	Revised alternate static source description in para. 7.21.		
	Rev. 5 - 761 624 (PR780703)	14		Revised note.
		2-2		Revised propeller tolerance RPM.
		2-7		Added additional Takeoff Check List.
3-3		Added Primer information to "Engine Power Loss During Takeoff" check list.		
3-7		Added Primer information to "Engine Power Loss During Takeoff."		
4-5		Added Primer information to "Before Takeoff" check list.		
4-9		Deleted "pressing in" of magneto switch as necessary.		
4-12		Added Primer checked information to paragraph.		
5-5		Changed item 5 from Cruise Fuel to Cruise Fuel Consumption.		
5-25		Added note to graph.		
5-26		Added note to graph.		
5-27		Added note to graph.		
5-28		Added note to graph.		
6-1		Changed paragraph.		
6-35		Changed item 93.		
6-41		Added Collins VHF-250 to item 169, added Collins VIR-350 to item 171.		
6-42		Relocated item 187, 189 and, 191 added items to 189 and 191.		
6-43		Relocated item 187, 189 and 191, added items 194 and 195, changed item 195 to 196.		
6-44		Relocated items 201, 203 and 205, revised item 211		
6-50		Added vendor information to item 349.		
7-21	Added "Caution" to 7.23.			
7-24	Removed ELT information from 7.37.			
8-i	Added 8.29 Cold Weather Operation to table of contents.			
8-15	Added 8.29 Cold Weather Operation.	 Ward Evans July 3, 1978		

PILOT'S OPERATING HANDBOOK LOG OF REVISIONS (cont)

Revision Number and Code	Revised Pages	Description of Revision	FAA Approval Signature and Date
Rev. 6 - 761 624 (PR790228)	1-6 1-12, 1-13 6-1 6-33 6-37 6-41 7-10 7-11 7-24	Revised para. 1.19. Revised para. 1.21. Revised para. 6.1. Renumbered existing items 75, 76, 77 to 74, 75, 76; added new items 77 and 78. Revised item 113. Added item 178. Revised para. 7.15. Revised para. 7.15. Revised para. 7.37.	<i>Ward Evans</i> Ward Evans Feb. 28, 1979
Rev. 7 - 761 624 (PR790413)	6-48 6-48a 7-24, 7-25	Revised item 279. Added item 280. Revised para. 7.37.	<i>Ward Evans</i> Ward Evans April 13, 1979
Rev. 8 - 761 624 (PR800523)	iii 1-3 1-4 2-2 2-3 2-4 3-i 3-4 3-11 4-i 4-5 4-6 4-13 4-14 5-1 5-3-5-6 5-18 5-25 5-26 5-27 5-28 5-29 5-30 5-31 6-1 6-3 6-14 6-19 6-37	Revised applicability. Revised para. 1.3. Revised para. 1.11. Revised para. 2.7. Revised para. 2.11. Revised para. 2.13. Added para. 3.28. Added Carburetor Icing. Added para. 3.28. Renumbered para.; added para. 4.28. Added descent info.; moved info. to pg. 4-6. Relocated info. from pg. 4-5. Added para. 4.28. Conti. para. 4.28. Added warning. Revised para. 5.5. Revised fig. 5-15. Revised fig. 5-23. Revised fig. 5-24. Revised fig. 5-25. Revised fig. 5-26. Revised fig. 5-27. Revised fig. 5-29. Revised fig. 5-31. Revised para. 6.1. Added caution Revised Fig. 6-15. Revised item 11; added item 17. Added item 122; moved items 129 and 131 to pg. 6-38.	

Revision Number and Code	Revised Pages	Description of Revision	FAA Approval Signature and Date
Rev. 8 - 761 624 (PR800523) (cont)	6-38 6-40 6-41 6-42 7-1 7-10 8-11 10-2	Relocated items 129 and 131 from pg. 6-37. Relocated items 169 thru 177 from pg. 6-41; Revised items 173 and 175. Moved items 169 thru 177 to pg. 6-40; added item 180; relocated item 183 from pg. 6-42. Moved item 183 to pg. 6-41. Revised para. 7.5. Revised para. 7.13. Revised para. 8.19. Added para. (j).	 Ward Evans May 23, 1980
Rev. 9 - 761 624 (PR840330)	v 1-3 1-6, 1-7 2-1 2-2 3-i 3-1 4-i 4-3, 4-5, 4-6 4-8 4-12 4-14 4-15 6-1 6-3 6-6 6-7 6-9. 6-10 6-17 7-11 7-22 8-3 8-4 8-11 8-11a, 8-11b 9-13 10-i 10-1, 10-2	Revised Table of Contents Revised para. 1.7 Revised para. 1.19 Revised para. 2.1 Revised para. 2.7 Revised Table of Contents Revised para. 3.1 Revised Table of Contents Revised para. 4.5 Added Note Added Note Revised para. 4.29 Move para. 4.31 from 4-14 Revised para. 6.1 Revised para. 6.3 Revised para. 6.5 Revised Fig. 6-5 Revised Fig. 6-7 Revised para. 6.9 Added Caution Revised para. 7.31 Revised para. 8.3 Revised para. 8.5 Revised para. 8.21 Added new page Revised Sec. 3(a) Revised Table of Contents Changed Sect Title	

PILOT'S OPERATING HANDBOOK LOG OF REVISIONS (cont)

Revision Number and Code	Revised Pages	Description of Revision	FAA Approval Signature and Date
Rev. 10 - 761 624 (PR900608)	1-3 1-4 8-1 8-3 8-4 8-11 8-11a 9-9	Moved item (c) to pg. 1-4. Relocated item (c) from pg. 1-3. Revised item (c). Revised para. 8.1. Revised para. 8.3. Revised para. 8.5. Revised para 8.19. Added Note. Revised Fuel Grade Comparison Chart. Revised Emergency Operation, Item (a) (2).	 D. H. Trompler July 30, 1990

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