

THE

# cherokee **ARROW**

PILOT'S OPERATING MANUAL



BY



This manual is incomplete without an APPROPRIATE FAA APPROVED AIRPLANE  
FLIGHT MANUAL and an APPROPRIATE WEIGHT AND BALANCE REPORT.

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 BELOW WHEN APPROVED BY PIPER AIRCRAFT CORPORATION. SUBSEQUENT REVISIONS SUPPLIED BY PIPER AIRCRAFT CORPORATION MUST BE PROPERLY INSERTED.

MODEL PA-28R-200

AIRCRAFT SERIAL NO. 28R-7535001 REGISTRATION NO. \_\_\_\_\_

PILOT'S OPERATING MANUAL, PART NUMBER 761 578 REVISION 17

PIPER AIRCRAFT CORPORATION APPROVAL SIGNATURE AND STAMP Marie Fleming

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MARIE FLEMING

Assurance that the airplane is in an airworthy condition is the responsibility of the owner. The pilot in command is responsible for determining that the airplane is safe for flight. The pilot is also responsible for remaining within the operating limitations outlined by the Airplane Flight Manual, instrument markings, and placards.

This Pilot's Operating Manual is not designed as a substitute for adequate and competent flight instruction, knowledge of the current airworthiness directives, applicable federal air regulations, or advisory circulars. It is not intended to be a guide for basic flight instruction or a training manual for transition from single to multi-engine flying.

If an inconsistency of information exists between the Pilot's Operating Manual and the Airplane Flight Manual approved by the FAA, the Airplane Flight Manual shall be the authority.

A complete or partial replacement of this manual, Part No. 761 578, may be obtained only from Piper Customer Services.

Published by  
PUBLICATIONS DEPARTMENT  
Piper Aircraft Corporation  
761 578

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## APPLICABILITY

This manual is applicable to Piper Model PA-28R-200 aircraft having serial numbers commencing with 28R-7435001 through 28R-7635545. Contact Piper Customer Services for specific information on the application of this manual.

### WARNING

**INSPECTION, MAINTENANCE AND PARTS REQUIREMENTS FOR ALL NON-PIPER APPROVED STC INSTALLATIONS ARE NOT INCLUDED IN THIS HANDBOOK. WHEN A NON-PIPER APPROVED STC INSTALLATION IS INCORPORATED ON THE AIRPLANE, THOSE PORTIONS OF THE AIRPLANE AFFECTED BY THE INSTALLATION MUST BE INSPECTED IN ACCORDANCE WITH THE INSPECTION PROGRAM PUBLISHED BY THE OWNER OF THE STC. SINCE NON-PIPER APPROVED STC INSTALLATIONS MAY CHANGE SYSTEMS INTERFACE, OPERATING CHARACTERISTICS AND COMPONENT LOADS OR STRESSES ON ADJACENT STRUCTURES, PIPER PROVIDED INSPECTION CRITERIA MAY NOT BE VALID FOR AIRPLANES WITH NON-PIPER APPROVED STC INSTALLATIONS.**

### REVISIONS

The information compiled in the Pilot's Operating Manual 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 manual 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 manual 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 left hand margin of the page, opposite revised, added or deleted material. A line opposite the page number or section title and printing date, will indicate that the text or illustration was unchanged but material was relocated to a different page or 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.

#### III. Original Pages Issued

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

1-1 through 1-3, 2-1 through 2-24, 3-1 through 3-10, 4-1 through 4-8, 5-1 through 5-32, 7-1 through 7-10, 8-1 through 8-2, 9-1 through 9-10, 10-1 through 10-15.

## PILOT'S OPERATING MANUAL LOG OF REVISIONS

Current Revisions to the PA-28R-200 Arrow II Pilot's Operating Manual, 761 578, issued July 13, 1973.

Revision	Revised Pages	Description	Date
Rev. 1 - 761 578 (PR731029)	W/B	Added Rev. 1 to Report: VB-549.	Oct. 29, 1973
Rev. 2 - 761 578 (PR740325)	ii iii  A F/M W/B	Added PAC Approval Form. Added Applicability and Item III. Original Pages Issued. Added Rev. 1 to Report: VB-560. Added Rev. 2 to Report: VB-549. (NOTE: AIRCRAFT DELIVERED WITH MANUALS PRIOR TO THIS REVISION DO NOT REQUIRE THIS REVISION.)	March 25, 1974
Rev. 3 - 761 578 (PR740618)	2-2 2-4  2-11  2-12 2-12a  2-12b 2-14  2-15  2-16  2-20 A F/M 4-8  W/B 7-i  7-4  7-5	Added Mixture Control Lock and Footnote. Added Mixture Control Lock to Throttle Quadrant Illustration. Added Annunciator Panel and Footnote; added Landing Gear Light Dimming Warning. Revised Alternator and Starter Schematic. Added Alternator and Starter Schematic for 1975 Models. Added Intentionally Left Blank Page. Added Annunciator Panel and Footnote to Vacuum System Description. Added Annunciator Panel and Footnote to Instrument Panel Description. Added Annunciator Panel and Mixture Control Lock to Instrument Panel Illustration. Added Rear Seat Removal Instructions. Added Revision 2 to Report: VB-560. Revised Alternator Failure Emergency Procedures. Added Revision 3 to Report: VB-549. Revised Operating Instructions Index; added Airspeed Data. Revised Air Conditioner Ground Check; added Annunciator Panel Check and Footnote; relocated info. Added info from Page 7-4; relocated Cruising info.	June 18, 1974

**PILOT'S OPERATING MANUAL LOG OF REVISIONS (cont)**

Revision	Revised Pages	Description	Date
Rev. 3 (cont)	7-6	Added Cruising info; added Mixture Control Lock and Footnote; relocated Approach and Landing info.	
	7-7	Added Approach and Landing info; added Mixture Control Lock and Footnote; relocated Moorings and Weight and Balance info.	
	7-8	Added Airspeed Data; added Moorings, and Weight and Balance info; relocated ELT info.	
	7-9	Added info from Page 7-8; relocated Air Conditioning info.	
	7-10	Added Air Conditioning info; relocated info.	
	7-11	Added page; added relocated info.	
	8-1	Added Annunciator Panel to Item 11; moved Item 13 to Page 8-2.	
	8-2	Added Item 13 from Page 8-1.	
	9-1	Revised Performance Charts Index.	
	9-2	Revised Takeoff Chart.	
	9-3	Revised Climb Chart.	
	9-4	Revised Airspeed Chart.	
	9-5	Revised Range Chart.	
	9-8	Revised Glide Chart.	
	9-9	Revised Landing Chart.	
Rev. 4 - 761 578 (PR750128)	2-6	Added gear warning info.	Jan. 28, 1975
	2-21	Revised Stall Warning info.	
Rev. 5 - 761 578 (PR750627)	1-2	Revised Empty Weight and Useful Load.	June 27, 1975
	2-1	Revised Empennage info. (Airframe).	
	2-6	Revised Gear Warning info.	
	2-13	Added C/B door callout to illustration.	
	2-16	Added Engine Hour Meter; revised callouts.	
	2-20	Revised seat description and deleted seat illustration.	
	2-21	Revised Stall Warning info.	
	2-22	Deleted Air Conditioning illustrations.	
	2-23	Deleted Air Conditioning illustrations; added info from page 2-24.	
	2-24	Relocated info to page 2-23.	
	A F/M	Added Rev. 3 to Report: VB-560.	

## PILOT'S OPERATING MANUAL LOG OF REVISIONS (cont)

Revision	Revised Pages	Description	Date
Rev. 5 (cont)	4-4 W/B 7-4 7-8 7-9 8-2	Revised Power Off Landing info; added new item 1. and revised existing item nos. under Gear Down Landing; revised Gear Down Landing Note. Added Rev. 4 to Report: VB-549. Added new item 11. and revised existing item nos. under Takeoff. Revised ELT info. Added revised ELT info. Revised item 14. (Fuel Warning Placard) and added new item 17.	
Rev. 6 - 761 578 (PR751208)	2-3 A F/M W/B 7-9 7-10 7-11 8-2	Revised Landing Gear info. Added Rev. 4 to Report: VB-560. Added Rev. 5 to Report: VB-549. Revised ELT remote switch info; relocated material to page 7-10. Added material relocated from page 7-9; relocated material to page 7-11. Added material relocated from page 7-10. Revised item 14 (Fuel Warning).	Dec. 8, 1975
Rev. 7 - 761 578 (PR760712)	W/B 7-10	Added Rev. 6 to Report: VB-549. Revised pilot's remote switch description; revised existing data.	July 22, 1976
Rev. 8 - 761 578 (PR770228)	1-2 2-2 2-20 A F/M W/B 7-10	Added Lycoming IO-360-C1C6 Power Plant and McCauley Propeller. Added IO-360-C1C6 Engine and footnotes; revised prop. description. Revised seat retainer description. Added Rev. 5 to Report: VB-560. Added Rev. 7 to Report: VB-549. Revised ELT Note.	Feb. 28, 1977
Rev. 9 - 761 578 (PR790413)	2-11 2-18 W/B 7-8 7-9 10-8	Removed Note; added Warning. Added Caution. Added Rev. 8 to Report: VB-549. Revised ELT info. Revised ELT info. Added Caution; relocated info. to pg. 10-9.	April 13, 1979

## PILOT'S OPERATING MANUAL LOG OF REVISIONS (cont)

Revision	Revised Pages	Description	Date
Rev. 9 (cont)	10-9 10-11	Added info. from page 10-8. Revised Service Bulletin info.	Feb. 29, 1984
Rev. 10 - 761 578 (PR840229)	iii	Added including serial number.	
	1-2	Revised fuel and oil info.	
	2-21	Revised para.	
	AFM	Added Rev. 6 to Report: VB-560.	
	W/B	Added Rev. 9 to Report: VB-549.	
	9-i	Added Warning.	
	10-7	Added info., and fuel grade chart, moved info. to page 10-8.	
	10-8	Relocated info. from pg. 10-7, moved info. to page 10-9.	
	10-9	Relocated info. from page 10-8.	
	10-11	Revised para.	
10-12	Revised preventive maintenance para., relocated info. from page 10-13.		
10-13	Moved info. to page 10-12.		
Rev. 11 - 761 578 (PR870131)	2-3	Revised Landing Gear. Relocated Warning	Jan. 31, 1987
	2-4	Revised Throttle Quadrant and Console figures.	
	2-5	Revised Schematic.	
	2-6	Revised para. Added info.	
	2-16	Revised Instrument Panel fig.	
	AFM	Added Rev. 7 to Report: VB-560.	
	4-2	Revised Engine Power Loss During Take off para.	
	4-4	Revised Power Off Landing, Gear Down Landing, and Gear Up Landing paras. Moved info. from page 4-5.	
	4-5	Revised Emergency Gear Extension para. Moved info. to page 4-4.	
	4-6	Revised Note.	
	7-5	Revised footnote.	
	8-1	Revised item 12.	
9-8	Revised Note.		
10-14	Added Note.		
10-15	Added note reference.		

## PILOT'S OPERATING MANUAL LOG OF REVISIONS (cont)

Revision	Revised Pages	Description	Date
Rev. 12 - 761 578 (PR900730)	1-2	Revised Oil info. Moved Dimensions and Landing Gear to page 1-4.	July 30, 1990
	1-4	Added page. Relocated Dimensions and Landing Gear from page 1-2.	
	10-i	Revised Table of Contents.	
	10-7	Revised Oil Requirements. Moved info. to page 10-8.	
	10-8	Relocated info. from page 10-7. Moved Tire Inflation and Battery Service info. to page 10-9.	
	10-9	Relocated Tire inflation and Battery Service info. from page 10-8.	
	10-11	Revised Facts You Should Know.	
	10-12	Revised Preventive Maintenance.	
	10-13	Revised Required Service and Inspection Periods.	
Rev. 13 - 761-578 (PR050207)	iii	Added Warning.	Feb. 7, 2005
	AFM	Added Rev. 8 to Report: VB-560.	
	4-5	Revised Emergency Landing Gear Extension.	
	10-i	Revised Table of Contents.	
	10-1	Added Warnings and moved info. to page 10-2.	
	10-2	Moved info. from page 10-1.	
Rev. 14 - 761-578 (PR051010)	10-13	Revised Required Service And Inspection Periods.	Oct. 10, 2005
	AFM	Added Rev. 9 to Report: VB-560.	
Rev. 15 - 761-578 (PR120203)	ii	Added copyright information.	February 3, 2012
	iv-d	Added Rev. 15 to L of R.	
	7-6	Revised Cruising.	
Rev. 16 - 761-578 (PR121127)	iv-d	Added Rev. 16 to L of R.	November 27, 2012
	2-3	Revised Landing Gear text.	
	AFM	Added Rev. 10 to Report: VB-560	
	4-5	Revised Emergency Landing Gear Extension text.	
	7-4	Revised Take-off text.	
Rev. 17 - 761-578 (PR150721)	7-7	Revised Approach and Landing text.	July 21, 2015
	ii	Revised copyright information.	
	iv-c	Revised Rev. 11 in L of R.	
	iv-d	Added Rev. 17 to L of R.	



# **TABLE OF CONTENTS**

**GENERAL SPECIFICATIONS**

**DESCRIPTION-AIRPLANE AND SYSTEMS**

**AIRPLANE FLIGHT MANUAL F.A.A. APPROVED**

**EMERGENCY PROCEDURES F.A.A. APPROVED**

**EMERGENCY PROCEDURES**

**WEIGHT AND BALANCE**

**LOADING INSTRUCTIONS**

**OPERATING INSTRUCTIONS**

**OPERATING TIPS**

**PERFORMANCE CHARTS**

**HANDLING AND SERVICING**

