

PILOT'S OPERATING HANDBOOK

AND FAA APPROVED AIRPLANE FLIGHT MANUAL

PIPER LANCE II



FAA APPROVED IN NORMAL CATEGORY 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.

PA-32RT-300
REPORT: VB-890

FAA APPROVED BY: Ward Evans

WARD EVANS
D.O.A. NO. SO-1
PIPER AIRCRAFT CORPORATION
VERO BEACH, FLORIDA

AIRPLANE SERIAL NO. 32RT-7885129

DATE OF APPROVAL
AND ADVANCE ISSUE: DECEMBER 13, 1977

AIRPLANE REGISTRATION NO. SE-GVI

DATE OF HANDBOOK ISSUE: JANUARY 18, 1978



WARNING

EXTREME CARE MUST BE EXERCISED TO LIMIT THE USE OF THIS HANDBOOK TO APPLICABLE AIRCRAFT. THIS HANDBOOK IS VALID FOR USE WITH THE AIRPLANE IDENTIFIED ON THE FACE OF THE TITLE PAGE. SUBSEQUENT REVISIONS SUPPLIED BY PIPER AIRCRAFT CORPORATION MUST BE PROPERLY INSERTED.

Published by
PUBLICATIONS DEPARTMENT
Piper Aircraft Corporation
Issued: January 18, 1978

REPORT: VB-890

APPLICABILITY

The aircraft serial number eligibility bracket for application of this handbook is 32R-7885001 through 32R-7985105. The specific application of this handbook is limited to the Piper PA-32RT-300 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.

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 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.

ORIGINAL PAGES ISSUED

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

Title, ii through v, 1-1 through 1-12, 2-1 through 2-9, 3-1 through 3-11, 4-1 through 4-17, 5-1 through 5-30, 6-1 through 6-40, 7-1 through 7-26, 8-1 through 8-13, 9-1 through 9-19 and 10-1 through 10-2.

PILOT'S OPERATING HANDBOOK LOG OF REVISIONS

Current Revisions to the PA-32RT-300 Lance II Pilot's Operating Handbook, REPORT: VB-890 issued January 18, 1978.

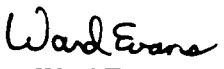
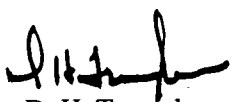
Revision Number and Code	Revised Pages	Description of Revision	FAA Approval Signature and Date
Rev. 1 - 761 637 (PR780327)	4-15	Corrected item 4.29.	
	5-4	Corrected item 5.5 (b) (5).	
	5-10	Revised Figure 5-3, Stall Speed vs Angle of Bank.	
	5-13	Revised Figure 5-9, Flaps Up Takeoff Performance.	
	5-27	Revised Figure 5-33, Landing Performance.	
	5-29	Revised Figure 5-37, Landing Performance (Heavy Duty Group).	
	6-3	Revised Figure 6-3, Leveling Diagram Items A and B.	
	6-12	Added moment change information to Figure 6-15, CG Range and Weight.	
	6-15	Revised para.; revised item (3) Weight and Moment; revised item (5) Hartzell number.	
	6-16	Revised item (13), Weight and Moment.	
	6-17	Revised item (31), Weight and Moment.	
	6-22	Revised item (121 c (a)), Weight and Moment.	
	6-28	Revised item (195), Piper Dwg. number; revised item 197, Airborne P/N.	
	6-33	Revised item 257.	
	7-16	Revised Figure 7-19.	
	9-9	Revised Section 3 Emergency Procedures, item (a) (2) was removed and item (e) was added; relocated item to pg. 9-10.	
	9-10	Added item from 9-9; revised item (1) (a); relocated items (2) and (3) to 9-11.	
	9-11	Added items (2) and (3), revised (2) (a) and (3) (a).	
	9-13	Revised item (d), added item (a) (1) from pg. 9-14.	
	9-14	Relocated item (a) (1) to 9-13, added item (b) (5); added new item (b) under Emergency Operation; changed old item (b) to (c) and revised; changed old item (c) to (d) and revised.	
9-15	Added new item, revised paragraph under General.		
9-16	Revised (c) (3); revised (d) (3).		

Ward Evans
Ward Evans
March 27, 1978

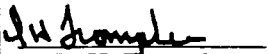

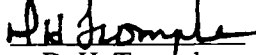
PILOT'S OPERATING HANDBOOK LOG OF REVISIONS (cont)

Revision Number and Code	Revised Pages	Description of Revision	FAA Approval Signature and Date
Rev. 4 - 761 637 (PR790131)	6-18 7-12 7-18	Revised items 55 and 63. Revised para. 7.15 info. Revised item 31.	<i>Ward Evans</i> Ward Evans Jan. 31, 1979
Rev. 5 - 761 637 (PR790413)	6-36 7-25, 7-26 7-27	Revised item 313; added new item 315; renumbered existing item 314 to 317. Revised para. 7.39. Added para. 7.39 info.	<i>Ward Evans</i> Ward Evans April 13, 1979
Rev. 6 - 761 637 (PR810422)	ii iii 2-1 3-1 4-1 4-5 6-1 6-2 6-16 6-26 6-36, 6-37 7-10 7-15 7-25 9-29 9-32 9-38	Revised Warning. Added serial no. effectivities. Revised para. 2.1 info. Revised para. 3.1 info. Revised para. 4.1 info. Revised take-off procedure. Revised para. 6.1 info. Added Caution notice to para. 6.3 (a) (3). Revised item 19. Added item 180. Corrected numbering of existing items 314, 315, 316. Removed sentence para. 7.15 step 2. Revised and upgraded Note to Warning. Revised para. 7.39 info. Revised sec. 4 (j). Revised sec. 3 (b). Revised sec. 4 (j).	<i>Ward Evans</i> Ward Evans April 22, 1981
Rev. 7 - 761 637 (PR840629)	v 1-3 1-6 1-7 2-2 3-i 3-1 4-i 4-1 4-3 4-4	Revised Table of Contents. Revised para. 1.7. Revised para. 1.19 (b). Revised para. 1.19 (e). Revised para. 2.7 (g). Revised Table of Contents. Revised para. 3.1. Revised Table of Contents. Revised para. 4.1 and para. 4.3. Revised para. 4.5 (Preflight Check). Revised para. 4.5 info. (Before Starting Engine, Taxiing and Ground Check).	

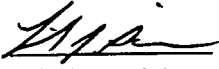
PILOT'S OPERATING HANDBOOK LOG OF REVISIONS (cont)

Revision Number and Code	Revised Pages	Description of Revision	FAA Approval Signature and Date
Rev. 7 (cont)	4-5 4-7 4-8 4-11 4-12 5-1 5-3, 5-4, 5-5, 5-6 6-1 6-2 6-4 6-5 6-7 6-13 6-15 6-16 7-24 8-2 8-3 8-9 10-i 10-1 10-2	Revised para. 4.5 info. (Before Takeoff). Revised para. 4.9. Revised para. 4.9 info. and para. 4.11. Revised para. 4.17 and para. 4.19. Revised para. 4.21. Revised para. 5.1 and para. 5.3. Revised para. 5.5. Revised para. 6.1. Revised para. 6.3. Revised para. 6.5. Revised fig. 6-5. Revised fig. 6-7. Revised para. 6.9. Revised para. 6.11. Revised item 15. Revised para. 7.33. Revised para. 8.5. Deleted para. 8.5 info. Revised para. 8.21 (b). Revised Table of Contents. Revised Title; revised para. 10.1 and 10.3. Revised Title.	 Ward Evans June 29, 1984
Rev. 8 - 761 637 (PR851122)	3-i 3-2 3-3 3-4 3-6 3-7 3-8	Revised Table of Contents. Relocated info. from pg. 3-3. Revised Power Off Landing. Added Gear Down Landing. Added Gear Up Landing. Relocated info. from pg. 3-4. Revised para. 3.3. Revised para. 3.11. Revised para. 3.13. Revised para. 3.13(b).	 D. H. Trompler Nov. 22, 1985
Rev. 9 - 761 637 (PR870131)	2-8 3-2 3-3 3-5 3-7, 3-8	Revised para. 2.25. Revised Engine Power Loss During Takeoff. Revised Power Off Landing. Revised Emergency Landing Gear Extension. Revised para. 3.9. Revised para. 3.13.	

PILOT'S OPERATING HANDBOOK LOG OF REVISIONS (cont)

Revision Number and Code	Revised Pages	Description of Revision	FAA Approval Signature and Date
Rev. 9 (cont.)	3-10 4-5 4-12 4-13 4-17 7-4 7-5 7-6 7-7 7-8 7-9 7-18	Revised para. 3.23 and 3.27. Added Note. Revised Takeoff, Short or Soft Field, Obstacle Clearance. Revised para. 4.21. Relocated info. from pg. 4-13. Revised para. 4.23. Info. relocated to pg. 4-12. Revised para. 4.23. Revised para. 4.25. Relocated info. Revised para. 4.41 Revised fig. 7-1. Revised fig. 7-3. Revised para. 7.9. Revised para. 7.9. Revised fig. 7-5. Revised fig. 7-7. Revised fig. 7-9. Revised fig. 7-21.	 D. H. Trompler <hr/> May 14, 1987 Date
Rev. 10 - 761 637 (PR900510)	iv-d 3-2 8-1 8-2 8-9 8-10	Spelled out Rev. 9 approval date. Revised Engine Power Loss During Takeoff. Revised para. 8.1. Revised para. 8.3. Revised para. 8.19. Revised para. 8.21 (d) Info. relocated to 8-10. Relocated info. from pg. 8-9.	 D. H. Trompler <hr/> May 17, 1990 Date
Rev. 11 - 761 637 (PR900925)	3-3 3-7 3-10 8-2	Revised page header. Revised Emergency Landing Gear Extension check list. Revised para. 3.13. Revised para. 3.27. Revised Issue date. Revised para. 8.5.	 D. H. Trompler <hr/> Oct. 2, 1990 Date

PILOT'S OPERATING HANDBOOK LOG OF REVISIONS (cont)

Revision Number and Code	Revised Pages	Description of Revision	FAA Approval Signature and Date
Rev. 12 - 761 637 (PR050221)	iii iv-e iv-f 7-9 8-1 8-1a 8-1b 8-2	Added Warning. Added page and Rev. 12 to L of R. Added page. Revised para. 7.11. Revised para. 8.1 and moved info. to page 8-1a. Added page and moved info. from page 8-1. Added page. Revised para. 8.3.	 Linda J. Dicken February 21, 2005

PILOT'S OPERATING HANDBOOK LOG OF REVISIONS (cont)

Revision Number and Code	Revised Pages	Description of Revision	FAA Approval Signature and Date

TABLE OF CONTENTS

SECTION 1	GENERAL
SECTION 2	LIMITATIONS
SECTION 3	EMERGENCY PROCEDURES
SECTION 4	NORMAL PROCEDURES
SECTION 5	PERFORMANCE
SECTION 6	WEIGHT AND BALANCE
SECTION 7	DESCRIPTION AND OPERATION OF THE AIRPLANE AND ITS SYSTEMS
SECTION 8	AIRPLANE HANDLING, SERVICING AND MAINTENANCE
SECTION 9	SUPPLEMENTS
SECTION 10	OPERATING TIPS