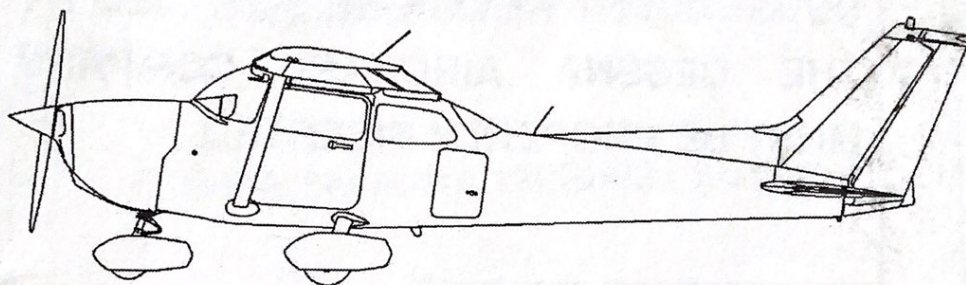




Pilot's Operating Handbook and FAA Approved Airplane Flight Manual



THIS PUBLICATION MUST BE
CARRIED IN THE AIRPLANE
AT ALL TIMES.

The Cessna Aircraft
Company

Model 172S

Serial No. _____

Registration No. _____

This publication includes the material required to be furnished to the pilot by FAR Part 23 and constitutes the FAA Approved Airplane Flight Manual.

FAA APPROVAL

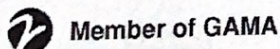
FAA APPROVED UNDER FAR 21 SUBPART J
The Cessna Aircraft Co
Delegation Option Manufacturer CE-1

Michael D. Nalley Executive Engineer

Date: July 10, 1998

COPYRIGHT © 1998

The Cessna Aircraft Company
Wichita, Kansas USA



Original Issue - 8 July 1998

GENERAL

WEIGHT & BALANCE

2

LIMITATIONS

3

EMERGENCY
PROCEDURES

4

NORMAL
PROCEDURES

5

PERFORMANCE

**THIS MANUAL WAS PROVIDED FOR THE
AIRPLANE IDENTIFIED ON THE TITLE
PAGE ON _____.
SUBSEQUENT REVISIONS SUPPLIED BY
THE CESSNA AIRCRAFT COMPANY
MUST BE PROPERLY INSERTED.**

The Cessna Aircraft Company, Aircraft Division

Pilot's Operating Handbook

and

FAA Approved Airplane Flight Manual

Serial Numbers 172S8001 and On

Original Issue - 8 July 1998

Revision 5 - 19 July 2004

PART NUMBER: 172SPHUS05

CONGRATULATIONS

Congratulations on your purchase and welcome to Cessna ownership! Your Cessna has been designed and constructed to give you the most in performance, value and comfort.

This Pilot's Operating Handbook has been prepared as a guide to help you get the most utility from your airplane. It contains information about your airplane's equipment, operating procedures, performance and suggested service and care. Please study it carefully and use it as a reference.

The worldwide Cessna Organization and Cessna Customer Service are prepared to serve you. The following services are offered by each Cessna Service Station:

- THE CESSNA AIRPLANE WARRANTIES, which provide coverage for parts and labor, are upheld through Cessna Service Stations worldwide. Warranty provisions and other important information are contained in the Customer Care Program Handbook supplied with your airplane. The Customer Care Card assigned to you at delivery will establish your eligibility under warranty and should be presented to your local Cessna Service Station at the time of warranty service.
- FACTORY TRAINED PERSONNEL to provide you with courteous, expert service.
- FACTORY APPROVED SERVICE EQUIPMENT to provide you efficient and accurate workmanship.
- A STOCK OF GENUINE CESSNA SERVICE PARTS are available when you need them.
- THE LATEST AUTHORITATIVE INFORMATION FOR SERVICING CESSNA AIRPLANES. Cessna Service Stations have all of the current Maintenance Manuals, Illustrated Parts Catalogs and various other support publications produced by Cessna Aircraft Company.

A current Cessna Service Station Directory accompanies your new airplane. The Directory is revised annually, and a current copy can be obtained from your nearest Cessna Service Station.

We urge all Cessna owners/operators to utilize the benefits available within the Cessna Organization.

PERFORMANCE - SPECIFICATIONS

*SPEED:

Maximum at Sea Level 126 KNOTS

Cruise, 75% Power at 8500 FT 124 KNOTS

CRUISE: Recommended lean mixture with fuel allowance for engine start, taxi, takeoff, climb and 45 minutes reserve.

75% Power at 8500 FT Range 518 NM

53 Gallons Usable Fuel Time 4.26 HRS

Range at 10,000 FT, 45% power Range 638 NM

53 Gallons Usable Fuel Time 6.72 HRS

RATE OF CLIMB AT SEA LEVEL 730 FPM

SERVICE CEILING 14,000 FT

TAKEOFF PERFORMANCE:

Ground Roll 960 FT

Total Distance Over 50 FT Obstacle 1630 FT

LANDING PERFORMANCE:

Ground Roll 575 FT

Total Distance Over 50 FT Obstacle 1335 FT

STALL SPEED:

Flaps Up, Power Off 53 KCAS

Flaps Down, Power Off 48 KCAS

MAXIMUM WEIGHT:

Ramp 2558 LBS

Takeoff 2550 LBS

Landing 2550 LBS

STANDARD EMPTY WEIGHT 1663 LBS

MAXIMUM USEFUL LOAD 895 LBS

BAGGAGE ALLOWANCE 120 LBS

PERFORMANCE-SPECIFICATIONS

(Continued)

WING LOADING: Lbs/Sq Ft	14.7
POWER LOADING Lbs/HP	14.2
FUEL CAPACITY	56 GAL
OIL CAPACITY	8 QTS
ENGINE: Textron Lycoming	IO-360-L2A
180 BHP at 2700 RPM	
PROPELLER: Fixed Pitch, Diameter	76 IN.

* NOTE

Speed performance is shown for an airplane equipped with speed fairings which increase the speeds by approximately 2 knots. There is a corresponding difference in range, while all other performance figures are unchanged when speed fairings are installed.

The above performance figures are based on airplane weights at 2550 pounds, standard atmospheric conditions, level, hard-surfaced dry runways and no wind. They are calculated values derived from flight tests conducted by The Cessna Aircraft Company under carefully documented conditions and will vary with individual airplanes and numerous factors affecting flight performance.

COVERAGE

The Pilot's Operating Handbook in the airplane at the time of delivery from The Cessna Aircraft Company contains information applicable to the Model 172S airplane by serial number and registration number shown on the Title Page. This handbook is applicable to airplane serial number 172S8001 and On. All information is based on data available at the time of publication.

This handbook consists of nine sections that cover all operational aspects of a standard-equipped airplane. Following Section 8 are the Supplements, Section 9, which provide expanded operational procedures for the avionics equipment (both standard and optional), and provides information on special operations.

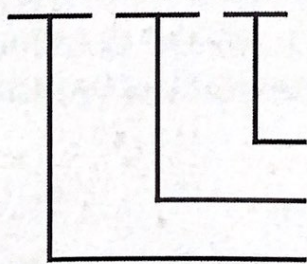
Supplements are individual documents, and may be issued or revised without regard to revision dates which apply to the POH itself. These supplements contain a Log of Effective Pages, which should be used to determine the status of each supplement.

ORIGINAL ISSUE AND REVISIONS

This Pilot's Operating Handbook and FAA Approved Airplane Flight Manual is comprised of the original issue and any subsequent revisions. To ensure that information in this manual is current, the revisions must be incorporated as they are issued. This manual was originally issued on July 8, 1998. As revisions are issued, they will be noted in the Log of Effective Pages table.

The part number of this manual has also been designed to further aid the owner/operator in determining the revision level of any POH. Refer to the example below for a breakdown:

172S PHUS 00



Revision Level (Revision 0, Original Issue)

Manual (Pilot's Operating Handbook, U.S.)

Airplane Model (172S)

It is the responsibility of the owner to maintain this handbook in a current status when it is being used for operational purposes. Owners should contact their local Cessna Service Station whenever the revision status of their handbook is in question.

Revisions are distributed to owners of U.S. Registered aircraft according to FAA records at the time of revision issuance, and to Internationally Registered aircraft according to Cessna Owner Advisory records at the time of issuance. Revisions should be read carefully upon receipt and incorporated in this POH.

REVISION FILING INSTRUCTIONS

REGULAR REVISIONS

Pages to be removed or inserted in the Pilots' Operating Handbook and FAA Approved Airplane Flight Manual are determined by the Log of Effective Pages located in this section. This log contains the page number and date of issue for each page within the POH. At original issue, all pages will contain the same date. As revisions to the POH occur, these dates will change on effected pages. When two pages display the same page number, the page with the latest date shall be inserted into the POH. The date on the Log Of Effective Pages shall also agree with the latest date of the page in question.

TEMPORARY REVISIONS

Under limited circumstances, temporary revisions to the POH may be issued. These temporary revisions are to be filed in the applicable section in accordance with filing instructions appearing on the first page of the temporary revision.

The recession of a temporary revision is accomplished by incorporation into the POH at revision time or by a superseding temporary revision. In order to accurately track the status of temporary revisions as they pertain to a POH, a Temporary Revision List will be located previous to this section when required. This list will indicate the date the temporary revision was incorporated into the POH, thus authorizing the recession of the temporary revision.

IDENTIFYING REVISED MATERIAL

Additions or revisions to the text in an existing section will be identified by a vertical line (revision bar) adjacent to the applicable revised area on the outer margin of the page.

When technical changes cause unchanged text to appear on a different page, a revision bar will be placed in the outer lower margin of the page, opposite the page number and date of the page, providing no other revision bar appears on the page. These pages will display the current revision date as found in the Original Issue and Revisions paragraph of this section.

When extensive technical changes are made to text in an existing section that requires extensive revision, revision bars will appear the full length of text.

New art added to an existing section will be identified by a single pointing hand indicator adjacent to the figure title and figure number. Existing art which is revised will have a pointing hand adjacent to the portion of the art which has changed.

WARNINGS, CAUTIONS AND NOTES

Throughout the text, warnings, cautions and notes pertaining to airplane handling and operations are utilized. These adjuncts to the text are used to highlight or emphasize important points.

WARNING - Calls attention to use of methods, procedures or limits which must be followed precisely to avoid injury or death to persons.

CAUTION - Calls attention to methods, procedures or limits which must be followed to avoid damage to equipment.

NOTE - Calls attention to additional procedures or information pertaining to the text.

LOG OF EFFECTIVE PAGES

The following Log of Effective Pages provides the date of issue for original and revised pages, as well as a listing of all pages in the POH. Pages which are affected by the current revision will be preceded by an asterisk with the revision level.

<u>Revision Level</u>	<u>Date of Issue</u>	<u>Revision Level</u>	<u>Date of Issue</u>
0 (Original Issue)	July 8, 1998	3	Mar 2, 2001
1	May 30, 2000	4	Aug 12, 2003
2	Dec 30, 2000	5	July 19, 2004

<u>PAGE</u>	<u>DATE</u>	<u>PAGE</u>	<u>DATE</u>
Title	July 8/98		
Assignment Record	July 8/98	1-21	May 30/00
* i/ii	Revision 5	1-22	July 8/98
iii	May 30/00	1-23	May 30/00
iv	Revision 4	1-24	July 8/98
v	Revision 4	1-25	Revision 4
vi	May 30/00	1-26	Revision 4
vii	May 30/00	1-27/1-28	Revision 4
viii	July 8/98	2-1/2-2	Revision 4
* ix	Revision 5	2-3	May 30/00
* x	Revision 5	2-4	July 8/98
* xi	Revision 5	2-5	Revision 4
* xii	Revision 5	2-6	Revision 4
xiii/xiv	Revision 4	2-7	July 8/98
1-1	Revision 4	2-8	July 8/98
1-2	Revision 4	2-9	July 8/98
1-3	Revision 4	2-10	Revision 4
1-4	Revision 4	2-11	July 8/98
1-5	Revision 4	2-12	Revision 4
1-6	Revision 4	2-13	July 8/98
1-7	Revision 4	2-14	Revision 4
1-8	Revision 4	2-15/2-16	Revision 4
1-9	Revision 4	3-1	Revision 4
1-10	Revision 4	3-2	Revision 4
1-11	July 8/98	3-3	May 30/00
1-12	July 8/98	3-4	Revision 4
1-13	May 30/00	3-5	Revision 4
1-14	July 8/98	3-6	Revision 4
1-15	Revision 4	3-7	Revision 4
1-16	May 30/00	3-8	Revision 4
1-17	Revision 4	3-9	Revision 4
1-18	May 30/00	3-10	May 30/00
1-19	Revision 4		
1-20	Revision 4		

LOG OF EFFECTIVE PAGES

CESSNA
MODEL 172SLOG OF EFFECTIVE PAGES
(Continued)

<u>PAGE</u>	<u>DATE</u>	<u>PAGE</u>	<u>DATE</u>
3-11	Revision 4	4-33	Revision 4
3-12	Revision 4	4-34	Revision 4
3-13	July 8/98	4-35	Revision 4
3-14	Revision 4	4-36	Revision 4
3-15	Revision 4	5-1/5-2	Revision 4
3-16	Revision 4	5-3	July 8/98
3-17	Revision 4	5-4	July 8/98
3-18	Revision 4	5-5	Revision 4
3-19	Revision 4	5-6	Revision 4
3-20	Revision 4	5-7	July 8/98
3-21	Revision 4	5-8	July 8/98
3-22	Revision 4	5-9	July 8/98
3-23/3-24	Revision 4	5-10	July 8/98
4-1	Revision 4	5-11	July 8/98
4-2	Revision 4	5-12	July 8/98
4-3/4-4	Revision 4	5-13	Revision 4
4-5	May 30/00	5-14	July 8/98
4-6	May 30/00	5-15	July 8/98
4-7	Revision 4	5-16	July 8/98
4-8	Revision 4	5-17	July 8/98
4-9	Revision 4	5-18	July 8/98
4-10	Revision 4	5-19	July 8/98
4-11	Revision 4	5-20	July 8/98
4-12	Revision 4	5-21	July 8/98
4-13	Revision 4	5-22	July 8/98
4-14	Revision 4	5-23/5-24	Revision 4
4-15	Revision 4	6-1/6-2	Revision 4
4-16	Revision 4	6-3	Revision 4
4-17	Revision 4	6-4	July 8/98
4-18	May 30/00	6-5	July 8/98
4-19	Revision 4	6-6	Revision 4
4-20	Revision 4	6-7	July 8/98
4-21	Revision 4	6-8	July 8/98
4-22	Revision 4	6-9	July 8/98
4-23	Revision 4	6-10	May 30/00
4-24	Revision 4	6-11	July 8/98
4-25	Revision 4	6-12	May 30/00
4-26	Revision 4	6-13	July 8/98
4-27	Revision 4	6-14	July 8/98
4-28	Revision 4	6-15	July 8/98
4-29	Revision 4		
4-30	Revision 4		
4-31	Revision 4		
4-32	Revision 4		

1

GENERAL

2

LIMITATIONS

3

EMERGENCY
PROCEDURES

4

NORMAL
PROCEDURES

5

PERFORMANCE

172SPHUS

NOTE: The accompanying (attached) FAA Approved Temporary Revision page(s) may or may not be applicable to your serial airplane. Please refer to the individual FAA Approved Temporary Revision page(s) to determine applicability status for your airplane.

28 August 2014
172SPHUS

U.S.

i

TEMPORARY REVISIONS

MODEL 172S NAV I/NAV II

U.S. Pilot's Operating Handbook and FAA Approved Airplane Flight Manual
Model 172S Nav I/Nav II
Airplanes 172S8001 and On

THIS IS A LIST OF ALL CURRENT FAA APPROVED TEMPORARY REVISIONS.

The following list of temporary revisions must be incorporated into this basic U.S. Pilot's Operating Handbook and FAA Approved Airplane Flight Manual until the removal instructions have been complied with.

Insert this page opposite the Log of Effective Pages in the front of this basic U.S. Pilot's Operating Handbook and FAA Approved Airplane Flight Manual.

TEMPORARY REVISION NUMBER	PAGE NUMBER	ISSUE DATE	SERVICE BULLETIN, MODIFICATION KIT (IF APPLICABLE) OR SERIAL EFFECTIVITY
172PHTR01	4-12	02/16/04	Airplanes not incorporating SB04-24-01.
172PHTR02	3-20	8/10/05	Airplanes 17280001 and On and 172S8001 and On not incorporating the Nav III avionics option.
172SPHUS-05 TR03	6-15 and 6-16	02/25/10	Airplanes 172S8001 thru 172S10431 equipped with Nav I/Nav II avionics option.
172SPHUS-05 TR04	4-15	8/28/14	Airplanes 172S8001 thru 172S10431 equipped with Nav I/Nav II avionics option.
172SPHUS-05 TR05	4-23	8/28/14	Airplanes 172S8001 thru 172S10431 equipped with Nav I/Nav II avionics option.

LOG OF EFFECTIVE PAGES

(Continued)

<u>PAGE</u>	<u>DATE</u>	<u>PAGE</u>	<u>DATE</u>
6-16	May 30/00	7-30B	Dec 30/00
6-17	July 8/98	7-31	Dec 30/00
6-18	May 30/00	7-32	Revision 4
6-19	May 30/00	7-33	Revision 4
6-20	May 30/00	7-34	Revision 4
6-21	May 30/00	7-35	Revision 4
6-22	May 30/00	7-36	Revision 4
6-23	May 30/00	7-37	July 8/98
6-24	May 30/00	7-38	Revision 4
6-25/6-26	Revision 4	7-39	Revision 4
7-1	May 30/00	7-40	July 8/98
7-2	May 30/00	7-41	July 8/98
7-3/7-4	Revision 4	7-42	July 8/98
7-5	May 30/00	7-43	Revision 4
7-6	July 8/98	7-44	July 8/98
7-7	July 8/98	7-45	Revision 4
7-8	July 8/98	7-46	May 30/00
7-9	Revision 4	7-47	Revision 4
7-10	Revision 4	7-48	July 8/98
7-11	Revision 4	7-49	May 30/00
7-12	Revision 4	7-50	July 8/98
7-13	Revision 4	8-1	May 30/00
7-14	May 30/00	8-2	May 30/00
7-15	May 30/00	8-3	May 30/00
7-16	May 30/00	8-4	Revision 4
7-17	May 30/00	8-5	Revision 4
7-18	May 30/00	8-6	Revision 4
7-19	Revision 4	8-7	May 30/00
7-20	Revision 4	8-8	May 30/00
7-21	Revision 4	8-9	May 30/00
7-22	May 30/00	8-10	May 30/00
7-23	Revision 4	8-11	May 30/00
* 7-24	Revision 5	8-12	May 30/00
7-25	Revision 4	8-13	May 30/00
7-26	July 8/98	8-14	Revision 4
7-27/7-27A	Revision 4	8-15	Revision 4
* 7-27B	Revision 5	8-16	May 30/00
7-28	July 8/98	8-17	May 30/00
7-29	May 30/00	8-18	May 30/00
7-30	Dec 30/00	8-19	May 30/00
7-30A	Dec 30/00		

LOG OF EFFECTIVE PAGES

CESSNA
MODEL 172S

LOG OF EFFECTIVE PAGES (Continued)

PAGE

DATE

8-20	Revision 4
8-21	May 30/00
8-22	May 30/00
8-23	Revision 4
8-24	Revision 4
9-1/9-2	May 30/00

APPROVED BY

FAA APPROVED UNDER 14 CFR PART 21 SUBPART
Cessna Aircraft Co.
Distribution Option Authorization DQA-230594-CE

Michael D. Hultberg DOA Administrator

DATE OF APPROVAL

07-19-04

TABLE OF CONTENTS

	SECTION
GENERAL	1
LIMITATIONS	2
EMERGENCY PROCEDURES	3
NORMAL PROCEDURES	4
PERFORMANCE	5
WEIGHT & BALANCE/EQUIPMENT LIST	6
AIRPLANE & SYSTEMS DESCRIPTION	7
HANDLING, SERVICE & MAINTENANCE	8
SUPPLEMENTS	9