

# **REVISION**

MODEL 172S

PILOT'S OPERATING HANDBOOK  
AND FAA APPROVED  
AIRPLANE FLIGHT MANUAL

REVISION 5

19 JULY 2004

# **172SPHUSR05**

**INSERT THE FOLLOWING PAGES INTO  
THE PILOT'S OPERATING HANDBOOK**



# 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.

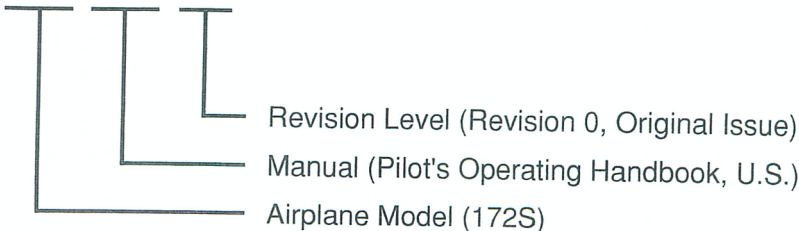
Supplements are individual documents, and may be issued or revised without regard to revision dates which apply to the POH itself. These supplements contain a Log of Effective Pages, which should be used to determine the status of each supplement.

## 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





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.

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1	May 30, 2000	4	Aug 12, 2003
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**APPROVED BY**

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*Richard D. Hillery* DOA Administrator

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