

## INTRODUCTION

### 1. General

- A. The Instructions for Continued Airworthiness (ICA) in this publication uses the data available at the time of publication. This publication is updated, supplemented, and changed by service letters, service bulletins, publication revisions, reissues, ICA supplements, and temporary revisions, which are supplied by subscription services available from Cessna Customer Service. All of these changes become part of and are specifically included in this publication which is the principal manual for ICA. The latest changes to this publication are given through the Cessna Customer Service subscription services and/or Authorized Service Facilities.

**WARNING: All the inspection intervals, replacement time limits, overhaul time limits, inspection methods, life limits, cycle limits, etc., recommended by Cessna are based on the use of new, repaired, or overhauled Cessna approved parts. The data in Cessna's maintenance manuals and parts catalogs is not applicable if the parts are designed, built, repaired, overhauled, and/or approved by entities other than Cessna. The purchaser is warned not to rely on such data for non-Cessna parts. The purchaser must get from the manufacturer and/or seller of non-Cessna parts, the inspection intervals, replacement time limits, overhaul time limits, inspection methods, life limits, cycle limits, etc., for all non-Cessna parts.**

- B. Inspection, maintenance and parts requirements for Supplemental Type Certificate (STC) installations are not given in this manual. When the airplane has an STC installation, those parts of the airplane that the installation has an effect on, must be examined in accordance with the inspection program published by the owner of the STC. Cessna-supplied inspection criteria may not be valid for airplanes that have STC installations because they may change the systems interface, operating characteristics and component loads or stresses on adjacent structures.

### 2. How to Get Customer Assistance

- A. Customer Service

CESSNA CUSTOMER CARE	
Mailing Address	One Citation Lane Wichita, KS 67209

- (1) If you need assistance with a general support question, publication information, subscriptions, or maintenance programs visit our website at **CessnaSupport.com** or contact:

CESSNA CUSTOMER CARE	
Phone Numbers	316-517-5800
	1-844-44TXTAV (1-844-448-9828)
Fax	316-206-8475
Email Address	<a href="mailto:TMDC@txtav.com">TMDC@txtav.com</a>

- (2) For complex troubleshooting problems or structural repair or support visit **CessnaSupport.com**.

STRUCTURAL REPAIR	
Phone Numbers	316-517-6061 Direct Line
Email Address	<a href="mailto:csstructures@txtav.com">csstructures@txtav.com</a>

- (3) For assistance developing a new schedule for Inspections completed outside of the allowable tolerance, contact Cessna Maintenance Engineering, Department 753:

CESSNA MAINTENANCE ENGINEERING	
Mailing Address	2121 South Hoover Road Wichita, KS 67209
Phone Numbers	316-517-9370
Fax	316-206-6467

Email Address	<a href="mailto:maintenanceengineering@txtav.com">maintenanceengineering@txtav.com</a>
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### 3. Cross-Reference Listing of Popular Name Versus Model Numbers and Serials

- A. The airplanes are certified by the model number. Names are often used for marketing purposes. To supply the same method of referring to the airplanes, the model number will be used in this manual. The airplane name may be used to distinguish the different types of the same model. The following table supplies a list of the names, model numbers and serial numbers.

NAME	MODEL	SERIALS BEGINNING
CARAVAN I	208	20800001
CARAVAN I	208B	208B0001
CARGOMASTER	208	20800113
SUPER CARGOMASTER	208B	208B0045
GRAND CARAVAN	208B	208B0214
GRAND CARAVAN EX	208B	208B5000

### 4. Coverage

- A. The Cessna Model 208 Series 1985 & On Maintenance Manual is prepared with information given by the ATA (Air Transport Association) Specification Number 2200 for Manufacturer's Technical Data.
- B. The information in this maintenance manual is applicable to US and foreign certified Model 208 Series airplanes. Information unique to a particular country is identified in the affected chapter(s).
- C. This manual gives the necessary information required to help maintenance personnel service, examine, troubleshoot, remove and replace components or repair systems on the Model 208 Series airplanes.
- D. Additional information not given in this manual can be found in the Cessna Aircraft Company Model 208 Series Wire Diagram Manual and the Illustrated Parts Catalog. For technical aid applicable to this manual, contact Cessna Customer Service.
- E. Use the technical publications available from manufacturers of the different airplane components and systems, which are not covered in this manual, as necessary for maintenance of those components and systems.

### 5. Instructions for Continued Airworthiness (ICA)

- A. Maintenance Manual
- (1) The instructions provided in this maintenance manual are the principal instructions for continued airworthiness. This manual may be revised to add changes to the ICAs or to add additional ICAs when changes to the airplane type design affect these instructions. When a revision to this manual is not possible within the time constraints for these ICAs, the instructions may be transmitted with a temporary revision or with an ICA supplement. Temporary revisions will be incorporated in the next revision to this manual and ICA supplements will also be incorporated in the next revision unless these instructions require restricted distribution.
- B. Temporary Revisions
- (1) Temporary revisions may be produced to transmit supplemental instructions for continued airworthiness when a revision to the maintenance manual is not possible within the time constraints for these ICAs. They consist of complete page blocks which replace the existing paper and will temporally supersede the CD-ROM data. Temporary revisions will be included on the CD-ROM on the next CD-ROM release. Temporary revisions are numbered consecutively in the ATA chapter assignment. Page numbering uses the three-element number, which matches the maintenance manual.
  - (2) Paper Version of the Maintenance Manual
    - (a) Paper temporary revisions will be distributed on yellow paper. File the temporary revision cover sheet after the title page of the chapter to which it applies and substitute or add the remaining pages in the paper manual.
  - (3) Electronic (Cesview) Version of the Maintenance Manual
    - (a) The cover sheet will be located in the maintenance manual Cesview library at the beginning of the chapter to which it applies and the changed or added pageblocks will be located in the appropriate location by ATA. All revised or added information will have a teal background.

### C. ICA Supplements

- (1) ICA supplements may be produced to transmit supplemental instructions for continued airworthiness when a revision to the maintenance manual is not possible within the time constraints for these ICAs. ICA supplements will provide supplemental instructions for one or more ICA manual and is to be used in conjunction with the affected manuals (maintenance manual, wiring diagram manual, etc.) until those instructions are incorporated into the manuals. ICA supplements are numbered consecutively by model in the ATA chapter assignment. Page numbering uses the three-element number, which matches the affected manuals.
- (2) Refer to the ICA Supplement List to determine the incorporation status for each manual affected.

## 6. Serialization

- A. All Model 208 Series airplanes are assigned a serial number. Serial numbers are assigned one after the other to each airplane as it is made and will stay with the airplane during its service life. The serial number is shown on the airplane identification plate.
- B. The airplanes are certified by the model number. Names are often used for marketing purposes. To supply the same method of referring to the airplanes, the model number will be used in this manual. The airplane name may be used to distinguish the different types of the same model.

## 7. Compact Disc-Read Only Memory (CD-ROM)

- A. Model 208 Series publications are available in paper and as electronic media CD-ROM. The paper publications are available as individual publications, such as Maintenance Manual, Illustrated Parts Catalog, etc., while the electronic service publications are all supplied on the CD-ROM. These publications are kept up to date through subsequent revisions.

## 8. Caravan Service Bulletins and Service Kits

- A. Caravan Service Bulletins (CABs) are supplied to inform and/or authorize modification to the airplane and/or system. As service bulletins are supplied, they will be included and appear in the Service Bulletin List, located previous to the introduction. The list of service bulletins uses five columns to list data.
  - (1) Service Bulletin Number - The service bulletin number column identifies the service bulletin or service kit by number. Service bulletins are numbered sequentially by date.
  - (2) Title - The title column identifies the service bulletin by name. It is the same title displayed on page one of the service bulletin.
  - (3) Service Bulletin (CAB) Number - This column shows and refers to the service kit if applicable.
  - (4) Service Bulletin Date - The service bulletin date column shows the initial date the service bulletin became active.
  - (5) Manual Incorporation Date - This shows how the service bulletin affects the manual.
    - (a) No Effect - This shows the service bulletin does not affect the manual.
    - (b) Date - This shows when the service bulletin information was put into the manual.
    - (c) Dashed Lines - The service bulletin has not been included at the time of the revision.
- B. Caravan Service Kits (SKs) are supplied to inform and/or authorize modification to the airplane and/or system. As service kits are supplied, they will be included and appear in the Service Kit List, located previous to the introduction. The list of service kits uses five columns to list data.
  - (1) Service Kit Number - The service kit number column identifies the service kit by number. Service bulletins are numbered sequentially by date.
  - (2) Title - The title column identifies the service bulletin or service kit by name. It is the same title displayed on page one of the service bulletin or service kit.
  - (3) Service Bulletin Number - This column shows and refers to the service kit if applicable.
  - (4) Service Bulletin/Kit Date - The service bulletin/kit date column shows the initial date the service bulletin/kit became active.
  - (5) Manual Incorporation Date - This shows how the service bulletin/kit affects the manual.
    - (a) No Effect - This shows the service bulletin/kit does not affect the manual.
    - (b) Date - This shows when the service bulletin/kit information was put into the manual.
    - (c) Dashed Lines - The service bulletin/kit has not been included at the time of the revision.

## 9. Using the Maintenance Manual

### A. Division of Subject Matter.

- (1) Cessna Model 208 Series 1985 & On Maintenance Manual is divided into four sections. The four sections are divided into chapters. Each chapter has its own effectivity page and table of contents. The following shows the manual divisions:

#### (a) Section 1 - Airplane General

Chapter	Title
4	Airworthiness Limitations
5	Time Limits/Maintenance Checks
6	Dimensions and Areas
7	Lifting and Shoring
8	Leveling and Weighing
9	Towing and Taxiing
10	Parking, Mooring, Storage and Return to Service
11	Placards and Markings
12	Servicing

#### (b) Section 2 - Airframe Systems

Chapter	Title
20	Standard Practices - Airframe
21	Air Conditioning
22	Auto Flight
23	Communications
24	Electrical Power
25	Equipment/Furnishings
26	Fire Protection
27	Flight Controls
28	Fuel
30	Ice and Rain Protection
31	Indicating/Recording Systems
32	Landing Gear
33	Lights
34	Navigation
35	Oxygen
36	Pneumatic
37	Vacuum
38	Water/Waste

#### (c) Section 3 - Structures

Chapter	Title
51	Standard Practices and Structures - General

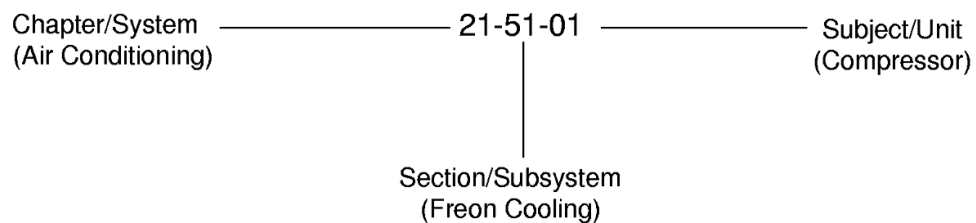
(d) Section 4 - Power Plant

Chapter	Title
61	Propeller
71	Power Plant
73	Engine Fuel and Control
74	Ignition
76	Engine Controls
77	Engine Indicating
78	Exhaust
79	Oil
80	Starting

B. Page Numbering System.

- (1) The page numbering system used in the Cessna Model 208 Series 1985 & On Maintenance Manual has three-element numbers separated by dashes. The page number and date are located to the right of the three-element number on each page.

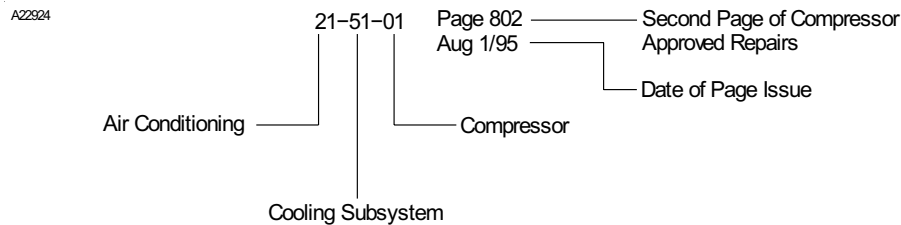
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- (2) When the chapter/system element number is followed with zeros in the section/subsystem and subject/unit element number (21-00-00), the data is applicable to the entire system.
- (3) When the section/subsystem element number is followed with zeros in the subject/unit element number (21-51-00), the data is applicable to the subsystem within the system.
- (4) Subject/unit element number is used to identify data applicable to units in the subsystems. The subject/unit element number progresses in sequence from the number -01 in accordance with the number of subsystem units requiring

maintenance information.

- (5) All system/subsystem/unit (chapter/section/subject) maintenance instructions are separated into specific types of data:
  1. Description and Operation
  2. Troubleshooting
  3. Maintenance Practices
- (6) Blocks of page numbers are used to identify the type of information:
  - Page 1 through 99 - Description and Operation
  - Page 101 through 199 - Troubleshooting
  - Page 201 through 299 - Maintenance Practices
- (7) The description and operation or troubleshooting information may not be necessary for simple units. For these units, the pages are omitted. When subtopics are small, they may be combined into a single topic titled Maintenance Practices. Maintenance Practices is a combination of subtopics. It may include Servicing, Removal/Installation, Adjustment/Test, Cleaning/Painting or Approved Repairs.
- (8) Large subtopics may be treated as an individual topic. The list below shows the page numbering for individual topics:
  - Page 301 through 399 - Servicing
  - Page 401 through 499 - Removal/Installation
  - Page 501 through 599 - Adjustment/Test
  - Page 601 through 699 - Inspection/Check
  - Page 701 through 799 - Cleaning/Painting
  - Page 801 through 899 - Approved Repairs
- (9) A typical page number:



- (10) The illustrations are also included in the page block numbering system. For example, all illustrations in a Maintenance Practice section will begin with the number 2 (i.e., Figure 201, Figure 202, etc.). All illustrations within an Approved Repair section will begin with the number 8 (Figure 801, Figure 802, etc.).

## 10. List of Effective Pages (Paper Version of this Manual Only)

- A. A List of Effective Pages is supplied at the beginning of each maintenance manual chapter. All pages in the specific chapter are listed in numerical order on the effectivity page(s) with the date of issue for each page.

## 11. Revision Filing Instructions (Paper Version of this Manual Only)

- A. Regular Revision.
  - (1) Pages to be removed or put in the maintenance manual are given in sequence by their three-element number (chapter/section/subject) and page number on the List of Effective Pages. When two pages show the same three-element number and page number, the page with the most recent date of page revision date must be put in the maintenance manual.
  - (2) The date column on the List of Effective Pages will help you make sure the correct page(s) are in the manual.
    - (a) When a page is added to the chapter, the word "Added" will be put adjacent to the related page number on the List of Effective Pages.
    - (b) When a page is removed from the chapter, the word "Deleted" will be put adjacent to the related page number on the List of Effective Pages.
- B. Temporary Revision.
  - (1) Put temporary revisions in the chapter where they apply. Refer to the filing instructions that are supplied on the cover page of the temporary revision.

- (2) Remove a temporary revision when the data has been included in the maintenance manual or when it has been replaced by a different temporary revision. A Record of Temporary Revisions is found in each chapter, immediately after the List of Effective Pages. A Date Removed column on the Record of Temporary Revisions will show the date the temporary revision data was included in the manual. The temporary revision can be removed at that time.

## 12. Identifying Revised Material

### A. Paper Manual

- (1) Additions or revisions to text in a section will be identified by a revision bar adjacent to the change in the left margin of the page. The current revision date for that section will show in the lower right corner of the section, below the page number.
- (2) In addition to the revision bars for revised text, Chapter 5 inspection items will also show as REVISED, ADDED, or DELETED and include the date the item code was changed.
- (3) When large technical changes are made to text in a section, the revision bar will show the full length of the text.

### B. Electronic Manual (CD ROM)

- (1) Additions or revisions to text in a section will have a teal background to show the revised text. The current revision number for the manual will show in parenthesis in the upper right corner of the page adjacent to the title of the manual. The revision number for that section will show in parenthesis in the upper left corner of the page adjacent to the chapter-section-subject.
- (2) In addition to the teal background for revised text, Chapter 5 inspection items will also show as REVISED, ADDED, or DELETED and include the date the item code was changed.
- (3) When large technical changes are made to text in a section, the teal background will show the full length of the text.

### C. The illustrations for placards in Chapter 11, Placards and Markings, are supplied in the Model 208 Series Illustrated Parts Catalog.

- D. The illustrations shown in this manual may have hand indicators for revisions before March 1, 2000 or Revision 8, that direct attention to the change. Future revisions to the illustrations, beginning at Revision 8, will be shown by a revision bar along the entire vertical length of one side of illustration. No hand indicators will be shown.

## 13. Warnings, Cautions and Notes

### A. Warnings, cautions and notes are applicable to the instructions. These adjuncts to the text highlight or emphasize important data.

- (1) WARNING - This is applicable to the data that follows it. A warning puts attention to the use of the instructions, materials, methods, or limits that must be obeyed to prevent an injury or death.
- (2) CAUTION - This is applicable to the data that follows it. A caution puts attention to the use of the instructions, materials, methods, or limits which must be obeyed to prevent damage to the airplane or equipment.
- (3) NOTE - A NOTE follows the applicable instructions. It is for data only.

## 14. Cessna Publications Catalog

- A. The Cessna Publications Catalog is available online. Please visit our website at [cessnasupport.com](http://cessnasupport.com) and choose Customer Access, then log in or register. When you are logged in, select Technical Publications from the heading and then select Aircraft Publications, select the Model, then select Pubs Catalog.
- B. You may also contact Cessna Customer Care by phone. Refer to How to Get Customer Assistance.

## 15. Customer Comments on Manual

- A. Cessna Aircraft Company has worked to furnish you with an accurate, useful, up-to-date manual. This manual can be improved with your help. Please use the return card, supplied with your manual, to report any errors, discrepancies, and omissions in this manual as well as any general comments you want to make.