Front Matter

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA)

Cessna 206 Split Forward Cargo Door Window Modification

Aircraft Model: As Defined in
Transport Canada STC No.: SA20-34

FRONT MATTER

LOG OF REVISIONS

Revision No.	Revised Pages	Description	Accepted Date	Accepted:
Initial Issue	All	Initial Issue	August 14, 2020	***TC Clark***
Rev 1	1, 2, 9, 12	Add Adjustment of Flap Circuit Interrupt Switch	June 2, 2021	***TC Clark***
Rev 2	1, 2, 6, 7	Revise Placards for Option Kit 2	April 9, 2024	***TC Clark***
Rev 3	1, 2, 9	Revise Section 2-i to Clarify Inspections for Kit Options 1 & 2	September 5, 2025	***TC Clark***

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FRONT MATTER

Overview

This Instructions for Continued Airworthiness (ICA) document is to become a permanent part of the aircraft maintenance documents for the aircraft listed on the title of this document when modified by the installation of the Cessna 206 Split Forward Cargo Door Window Modification in accordance with Installation Instruction P0220-08, Revision IR, dated June 1, 2020, or later applicable revision.

Organization

This supplement format follows the general requirements of the Cessna 206 Service Manual with respect to Section and Title.

Revision Procedures and Distribution

Revisions to this ICA will be submitted to Transport Canada as part of an amendment to the applicable Supplemental Type Certificate (STC). The approved revised ICA will be made available for distributed through:

Airworthiness Resources Corporation
12 - 53412 Range Road 272
Spruce Grove, Alberta
T7X 3N2

Phone: (780) 962-6633
Email: info@airwr.com

Abbreviations

ICA	Instructions for Continued Airworthiness
SDR	Service Difficulty Report
STC	Supplemental Type Certificate

Service Difficulty Reporting

If any problems are encountered with this modification, a Service Difficulty Report (SDR) must be filed in accordance with the procedures and requirements of the jurisdiction of operation of the aircraft.

SECTION 1
GENERAL DESCRIPTION

1-1 General

This modification changes the design of the forward, right-hand-side cargo door to include a dual reverse hinged mechanism allowing the corner of the door to fold out of the way as the door is opened, rather than be obstructed by the wing flap. After incorporation of the modification, the operation of the door is identical in method to the opening of the left, forward (pilot's) door. As a result, the right-hand-side cargo doors can be opened smoothly, without interference, allowing an emergency egress with the flap extended.

1-9 Stations

This modification is incorporated at FS 82.0 with the following weight changes.

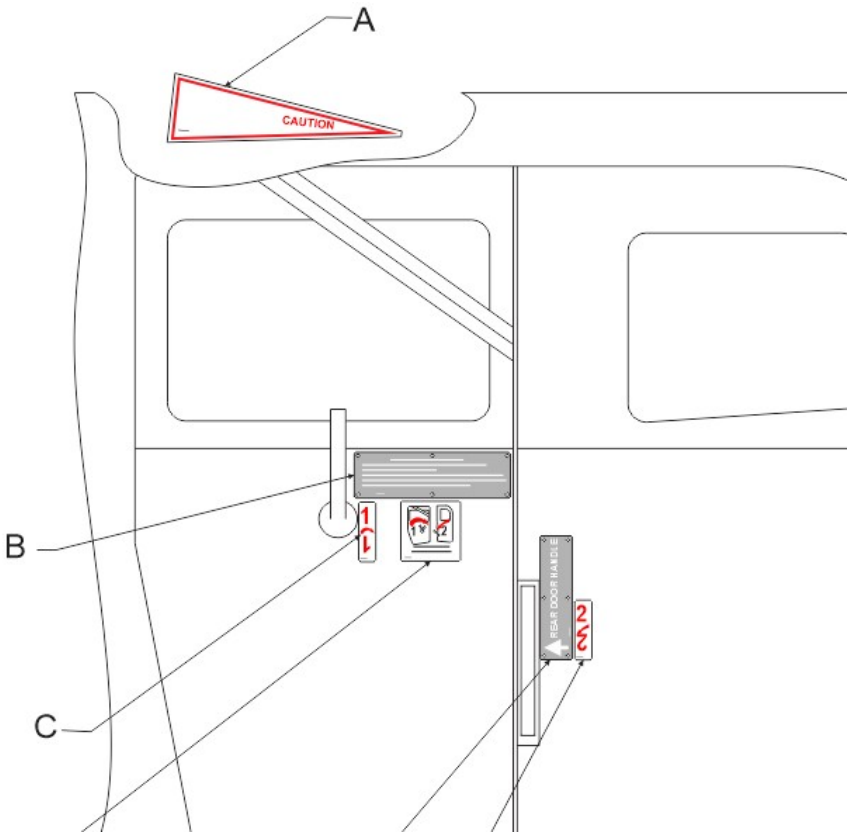
Items removed	Weight	Arm
OEM window	-1.25 lb	82.0 in.
Items installed		
P0220 kit	2.8 lb	82.0 in.

1-10 Torque Values

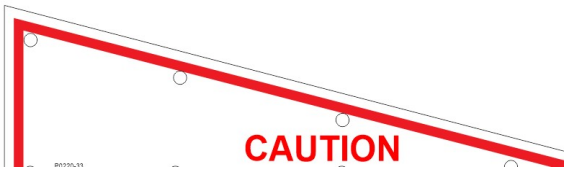
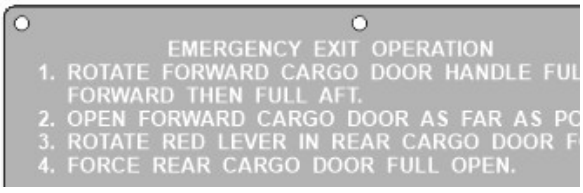
Torques values will be as recommended by applicable Cessna 206 Service Manual unless otherwise stated in the installation instructions.

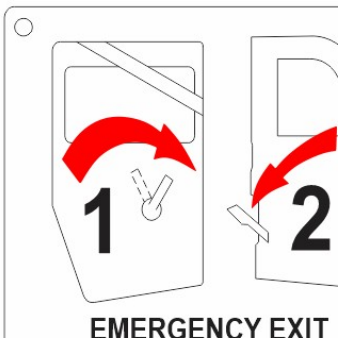
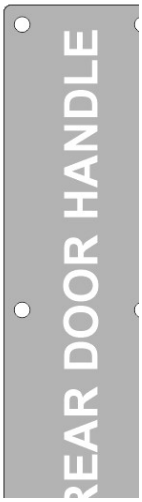
Placarding

The following placards are installed, unless otherwise installed per Cessna 206 AFM or Supplement.



Interior Cargo Door

Placard A	Placard B
Installed on RH Flap Inboard Rib Option Kit 1 (Drawing P02201601)	Installed Adjacent to Forward Cargo Door Handle Option Kit 1 (Drawing P02201601)
	

Placard C Installed Adjacent to Forward Cargo Door Handle Option Kit 1 (Drawing P02201601) Optional with Option Kit 2 (Drawing P02201602) 	Placard D Installed Forward Upper Edge of Rear Cargo Door Option Kit 1 (Drawing P02201601) 
Placard E Installed Adjacent to Rear Cargo Door Handle Option Kit 1 (Drawing P02201601) 	Placard F Installed Adjacent to Rear Cargo Door Handle Option Kit 1 (Drawing P02201601)

For Cessna 206H and T206H

Passenger limitation placards incorporated by Canadian Supplements listed in Type Certificate Data Sheet (TCDS) A-212 are removed when option kit 1 is installed. Refer to Airworthiness Resources Corporation Flight Manual Supplement FMS-2061-01 for the approved placard configuration.

SECTION 2
GROUND HANDLING, SERVICING, CLEANING, LUBRICATION AND INSPECTION

2-16 Servicing

There are no servicing requirements for the modified forward cargo door.

2-34 Cleaning Windshield and Window

The windows installed by this kit will be cleaned as described in the applicable Cessna 206 Service Manual.

2-36 Cleaning Painted Surfaces

The painted surfaced of this kit will be cleaned as described in the applicable Cessna 206 Service Manual.

2-46 Airworthiness Limitations

There are no additional maintenance airworthiness limitations associated with this equipment and/or installation.

The following statement is added to comply with Transport Canada requirements:

The Airworthiness Limitations section is approved by the Minister and specifies maintenance required under any applicable airworthiness or operating rule, unless an alternative program has been approved by the Minister.

The following statement is added to comply with FAA requirements:

The Airworthiness Limitations section is FAA approved and specifies maintenance required under Sections 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

2-i Inspection

Add the following tasks to coincide with the Inspection Requirement Chart.

		SPECIAL INSPECTION ITEMS	EACH 200 HOURS	EACH 100 HOURS	EACH 50 HOURS
OPTION KIT 1					
	AIRFRAME (Forward Cargo Door Modified with Folding Window)				
1	Placards on forward and rear cargo doors				☐
2	Split Window Folding frame external			☐	
3	Split Window Folding frame operation			☐	
4	RH middle row seat – Seat rail forward stop. Ensure the seat maintains a minimum distance of 19 inches between forward cargo door frame and front of seat back.				☐
	CONTROL SYSTEMS				
1	Abrasion tape on lower surface of RH flap. Replace as required				☐
2	Placard on inboard end rib of RH flap				☐
3	Rubber bumper on inboard trailing edge of RH flap. Replace as required				☐
4	Flap interrupt switch. Check for proper fitment			☐	
OPTION KIT 2					
	AIRFRAME (Forward Cargo Door Modified with Folding Window)				
1	Placards on forward cargo doors (if option is installed)				☐
2	Split Window Folding frame external			☐	
3	Split Window Folding frame operation			☐	
	CONTROL SYSTEMS				
1	Rubber bumper on inboard trailing edge of RH flap. Replace as required				☐
2	Flap interrupt switch. Check for proper fitment			☐	

At interval of 48 month, add the following tasks to coincide with Inspection Operation 5.

TASK	ZONE	MECH	INSP	REMARKS
Forward Cargo Door Modified with Folding Window 1.Remove upper and lower window covers 2. Visually inspect springs, hinges, and lock tabs for wear. With door open, fold upper door inward to release from lock tabs. Activate both hinges and check for proper operation. Visually inspect assembly for general condition, security of lock tabs. Reassemble upper window and ensure engagement of lock tabs. Reinstall upper and lower window covers.	210			

SECTION 3
FUSELAGE

3-2 Windshield and Windows

The windows installed with the forward cargo door modification are single-piece acrylic plastic, as are the OEM windows. All window maintenance recommended by the OEM (ie: cleaning, waxing, repairs, scratches and cracks) will be followed.

3-13 Windows – Moveable Fixed and Rear

The windows installed with the forward cargo door modification will be installed and removed per OEM requirements using additional hardware as described in Airworthiness Resources Corporation Drawing P02201601 and Installation Instructions P0220-08.

3-28 Cargo Door Control & Operation

The operation of the forward cargo door is not affected by this modification.

3-29 Cargo Door - Removal and Installation

3-29.1 The removal and installation of the forward cargo door is not affected by this modification.

3-29.2 Kit Removal and Installation

3-29.2.1 Forward Cargo Door Modification Installation

Installation is to be done in accordance with Airworthiness Resources Corporation Drawing P02201601 and Installation Instructions P0220-08.

3-29.2 Forward Cargo Door Modification Removal

3.2.1 Structures

Removal of the modification will require the door to be repaired in accordance with applicable Cessna 206 Service Manual, Section 18.

3.2.2 Administrative

Remove Flight Manual Supplement associated with this modification

Reinstall limitation placards as defined in TCDS A-212 and/or AD CF-2020-10 for Canadian registered aircraft.

Amend aircraft weight and balance.

SECTION 7
FLAP CONTROL SYSTEMS

7-1 Flap Operation

The operation of the flap system is not affected by this modification. The flap interrupt switch is adjusted to ensure maximum engagement with the modified forward cargo door closed and locked.

7-1.1 RH Flap Protection

Polyurethane tape is added to the lower surface of the RH flap where the forward cargo door may come in contact during opening with the flaps extended. A rubber bumper is also installed on the inboard trailing edge of the RH flap to reduce the possibility of injury during egress with the flaps extended.

7-1.2 Protective Tape Replacement

7-1.2.1 Physically remove the polyurethane tape by lifting an edge and peeling the tape back at an angle of 90° to 180°. Adhesive residue left on the surface may be removed by applying acetone, isopropyl alcohol. Alternate methods may be used as defined by 3M Technical Bulletin's.

7-1.2.2 Clean the flap surface of all contaminants where contact of the polyurethane is required, refer to Section 2-36, Cleaning Painted Surfaces. Repair any damage to painted surface where contact of the polyurethane is required, refer to Section 19, Painting.

7-1.2.3 Install P/N 02100-24343 polyurethane tape as described in Airworthiness Resources Corporation Drawing P02201601 and Installation Instructions P0220-08.

7-1.3 Rubber Bumper Replacement

Remove rivet securing the inboard trailing edge rubber bumper. Install P/N P0220-35 Bumper as described in Airworthiness Resources Corporation Drawing P02201601 and Installation Instructions P0220-08.