

**EUROCOPTER CANADA LIMITED**

**SUBJECT:**

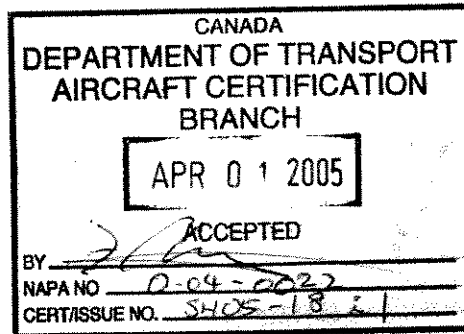
These Instructions for Continued Airworthiness define the required maintenance for aircraft with the subject modification embodied.

The Forward High-Visibility Door (Short) Installation introduces a FWD door with an extra large window providing increased visibility.

**APPLICABILITY :**

**Forward High Visibility Door (Short) Installation (P/N 350-202414)**

These Instructions for Continued Airworthiness are applicable to aircraft with the subject modification embodied.



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**RECORD OF REVISIONS**

Rev.	Pages at this Revision	Description, Reason, Changed Pages	Prepared (name and date)	Checked (name and date)	App'd/Acc'd (Civil A/W Authority) (name and date)	Released (name and date)
0	1 through 15	Original Issue	See Page 1.	See Page 1.	See Page 1.	See Page 1.

NOTE: Revisions to this document will be distributed to operators of this equipment by the STC holder.

NOTE: Revised portions of affected pages are identified by a vertical black line in the margin adjacent to the change.

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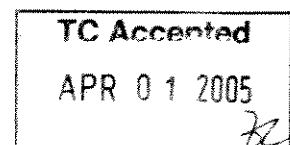
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**1. GENERAL**

- A. The Eurocopter Canada Limited Forward High-Visibility Doors (Short) are installed on the LH and/or RH sides of the aircraft when the sliding doors are installed. They provide improved visibility for helicopter occupants through an extra large window.

The installation is possible in the following configurations:

- 01 - Hi-Vis Door, Inst, LH, Clear
- 02 - Hi-Vis Door, Inst, RH, Clear
- 03 - Hi-Vis Door, Inst, LH, Tint
- 04 - Hi-Vis Door, Inst, RH, Tint

For instructions on initial installation, see IP-ECL-112.

- B. These Instructions for Continued Airworthiness are applicable to aircraft with the subject modification embodied.

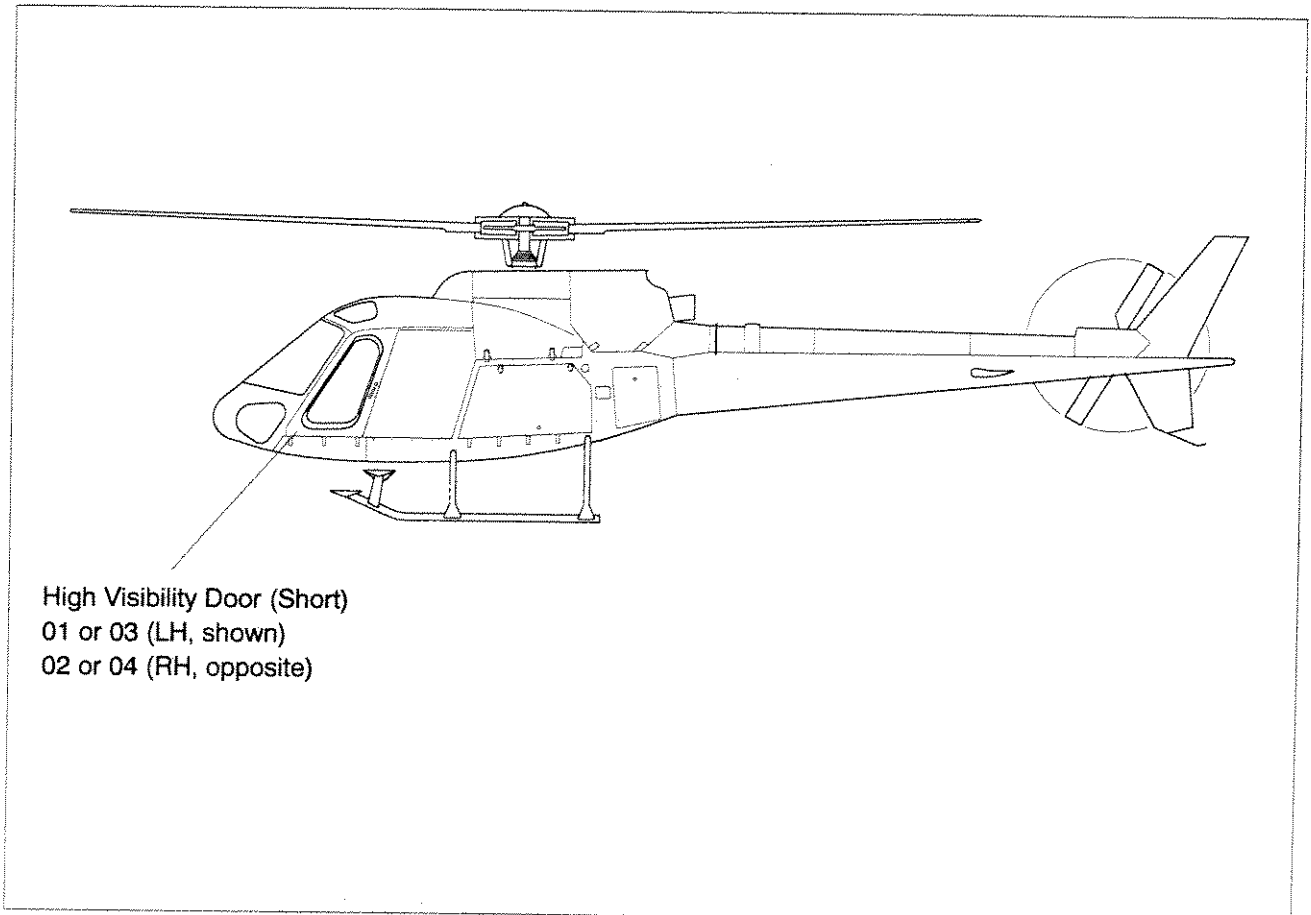
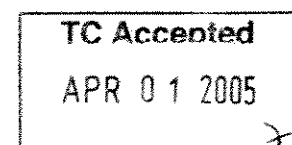


Figure 1 Left-Hand Forward High-Visibility Door (Short) Installation  
(Right-Hand Side opposite)

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**C. REFERENCES**

DOCUMENT	DOCUMENT TITLE
MTC	Standard Practices Manual
AC 43.13	Advisory Circular No. 43.13-1B
MET	Maintenance Manual
IP-ECL-112	Installation Procedure, Forward High-Visibility Door (Short) Installation

**D. ABBREVIATIONS & DEFINITIONS**

ABBREVIATION	DEFINITION
P/N	Part Number
EC	Eurocopter (France)
ECL	Eurocopter Canada Limited
hrs	hours
LH	Left-Hand
RH	Right-Hand

**E. UNITS OF MEASUREMENT**

ABBREVIATION / SYMBOL	UNIT OF MEASUREMENT
kg	kilogram
lbs	pounds
m	meter
in	inch
m kg	meter kilogram
in.lb	inch.pound
m daN	meter deca newton

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**2. AIRWORTHINESS LIMITATIONS**

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

No airworthiness limitations associated with this installation.

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**3. CONTROL AND OPERATION**

Not applicable.

**4. INSPECTION SCHEDULE AND MAINTENANCE ACTION**

Use torque per EC, MTC, Volume 2, Chapter 20.02.05.404 unless otherwise specified.

NO.	INSPECTION OR MAINTENANCE WORK	INTERVAL	CORRECTIVE ACTION
A	Visually inspect the Forward High-Visibility Doors (Short) for: a. general condition	Every 100 flight hrs or 12 months to coincide with the 100 hrs or 12 month helicopter inspection	a. Minor repairs may be accomplished in accordance with EC MTC, Volume 3, Chapter 20.03.07.101, or AC 43.13-1B, Chapter 3, Section 3.1 - 3.4. For major repairs, contact ECL or local airworthiness authority.
B	Visually inspect door hinges for: a. secure installation	Every 100 flight hrs or 12 months to coincide with the 100 hrs or 12 month helicopter inspection	a. Ensure that hinge pins are inserted all the way into hinge half.
C	Test door latches for: a. freedom of movement	Every 100 flight hrs or 12 months to coincide with the 100 hrs or 12 month helicopter inspection	a. Clean and lubricate to restore freedom of movement
D	Perform functional test of door locking mechanism for: a. freedom of movement	Every 100 flight hrs or 12 months to coincide with the 100 hrs or 12 month helicopter inspection	a. Clean and lubricate to restore freedom of movement
E	Visually inspect door strut for: a. secure installation	Every 100 flight hrs or 12 months to coincide with the 100 hrs or 12 month helicopter inspection	a. Ensure that the door strut is connected correctly by holding door in open position.

Table 1 Inspection Schedule  
(continued on following page)

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4. **INSPECTION SCHEDULE AND MAINTENANCE ACTION** (continued)

NO.	INSPECTION OR MAINTENANCE WORK	INTERVAL	CORRECTIVE ACTION
F	Inspect door jettison control lever for: a. correct operation Maximum release load 35 kg (77 lbs)	Every 500 flight hrs or 2 years to coincide with the 500 hrs or 2 year helicopter inspection	a. Adjust jettison mechanism in accordance with EC, MET, Volume 3, Chapter 52.10.00.501
G	Inspect door jettison control lever for: a. freedom of movement  b. corrosion	Every 100 flight hrs or 12 months to coincide with the 100 hrs or 12 month helicopter inspection	a. Apply grease to door hinge pins in accordance with EC, MET, Volume 3, Chapter 52.10.00.501 b. If corrosion is found, contact ECL for corrective action.
H	Visually inspect window for: a. cracking	Every 100 flight hrs or 12 months to coincide with the 100 hrs or 12 month helicopter inspection	a. Repair in accordance with AC43.13-1B, Chapter 3, Section 3-24, a and b. For major repairs, contact ECL or local airworthiness authority.
I	Visually inspect window seal for: a. condition	Every 100 flight hrs or 12 months to coincide with the 100 hrs or 12 month helicopter inspection	a. If cuts or cracks are evident replace window seal in accordance with EC, MET, Volume 3, Chapter 52.00.00.401.
J	Check placards for: a. legibility b. secure mounting (refer to Section 10, Placards and Markings, in this document)	Every 100 flight hrs or 12 months to coincide with the 100 hrs or 12 month helicopter inspection	a. Replace placards as required b. Secure, reattach placards as required

Table 1 Inspection Schedule

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**5. OVERHAUL REQUIREMENTS**

No additional overhaul time limitations.

**6. TROUBLESHOOTING**

No troubleshooting requirements for this installation.

**7. SPECIAL TOOLING**

Not applicable

**8. REMOVAL AND REPLACEMENT**

**A. REMOVAL**

Proceed as follows if any of these items need to be removed.

Refer to Figures 2 to 5 for component removal and replacement.

- 1) Disconnect door strut from door joint ball.
- 2) Pull door jettison handle up, using care to prevent the door from falling.

**B. REPLACEMENT**

**NOTE** Use torque per EC, MTC, Volume 2, Chapter 20.02.05.404 unless otherwise specified.

- 1) Place door in door opening and push jettison handle down to closed position while guiding hinge pins into hinges and secure handle into place with cover. Lubricate hinge pins.
- 2) Reconnect door strut to door joint ball.

**9. WEIGHT AND BALANCE DATA**

**a. Weight and Balance of Components Installed**

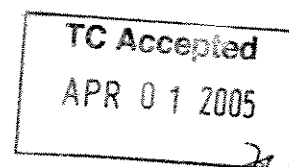
DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lb	m	in	kg m	lb in
High Visibility Door, Short, RH	8.0	17.64	1.56	61.42	12.48	1083.41
High Visibility Door, Short, LH	8.0	17.64	1.56	61.42	12.48	1083.41

**b. Weight and Balance of Components Removed**

Door Installation, Reduced, RH	7.852	17.31	1.56	61.42	12.25	1063.18
Door Installation, Reduced, LH	7.852	17.31	1.56	61.42	12.25	1063.18

**NOTE:** Weight and balance data for any items that are removable by the pilot between routine operations are also addressed in the applicable Flight Manual Supplement or Pilot's Guide, if any.

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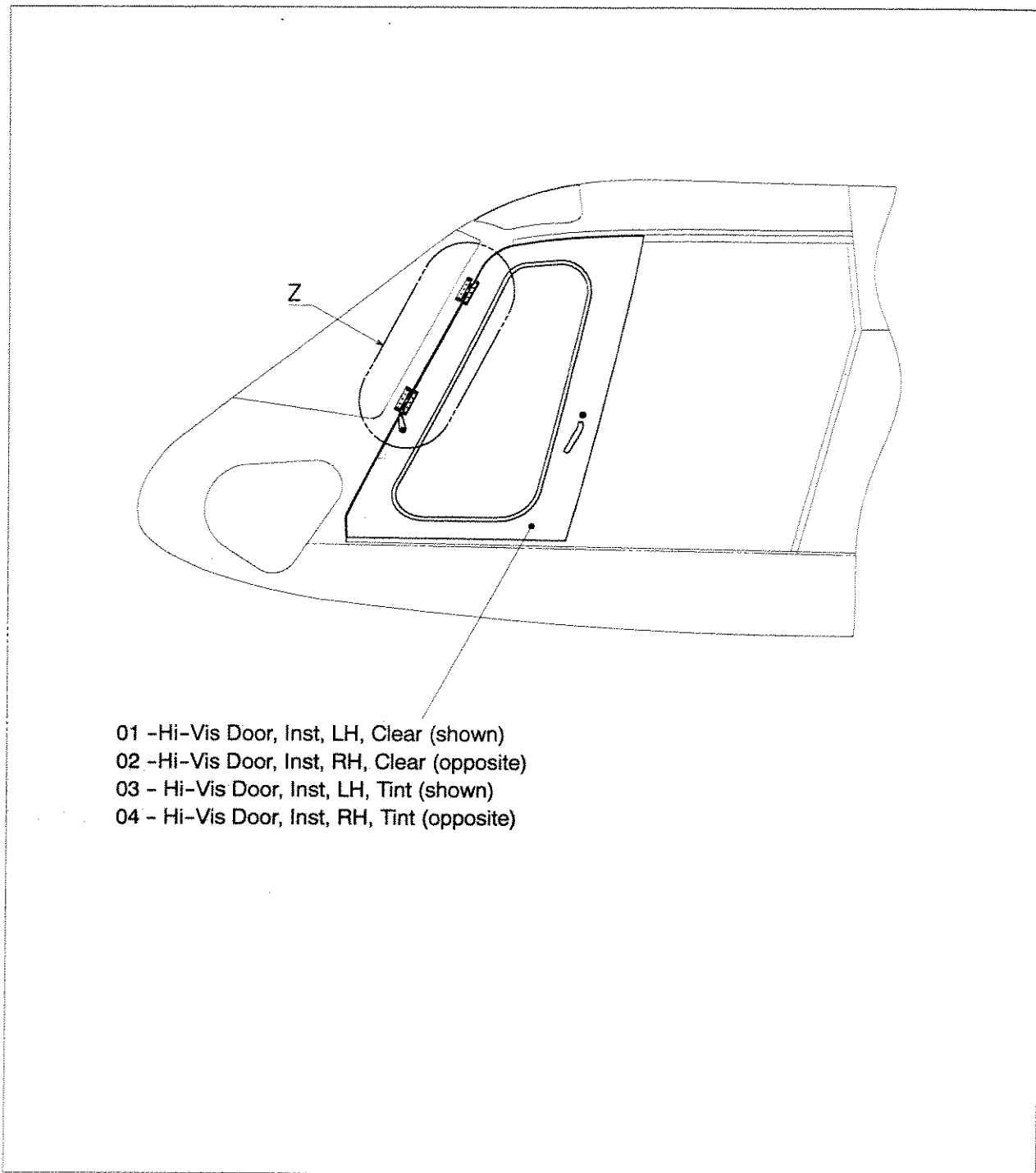


Figure 2 Forward High-Visibility Doors (Short) - LH/RH Installation (LH shown)

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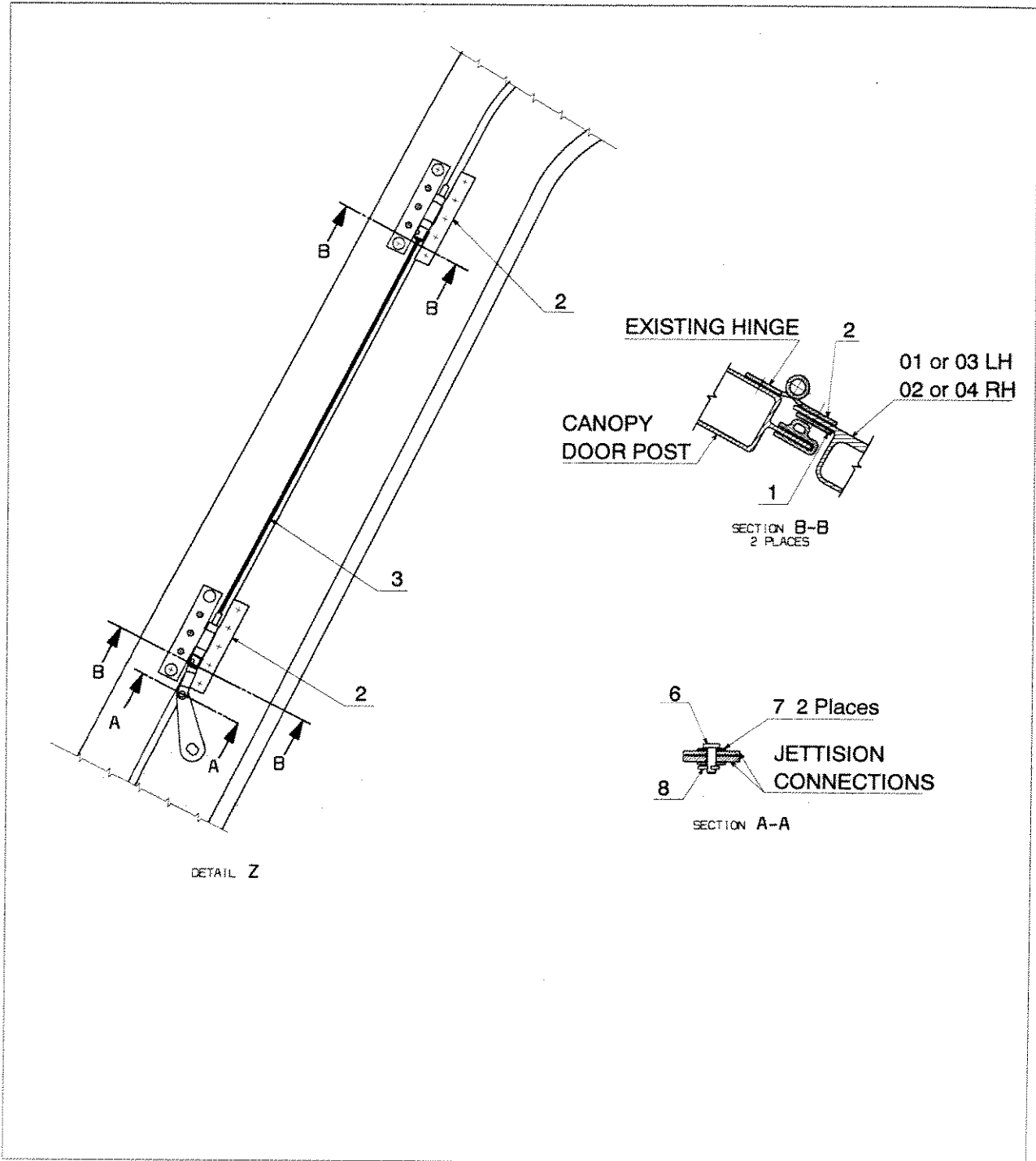


Figure 3 Forward High-Visibility Doors (Short) - Hinge (LH shown)

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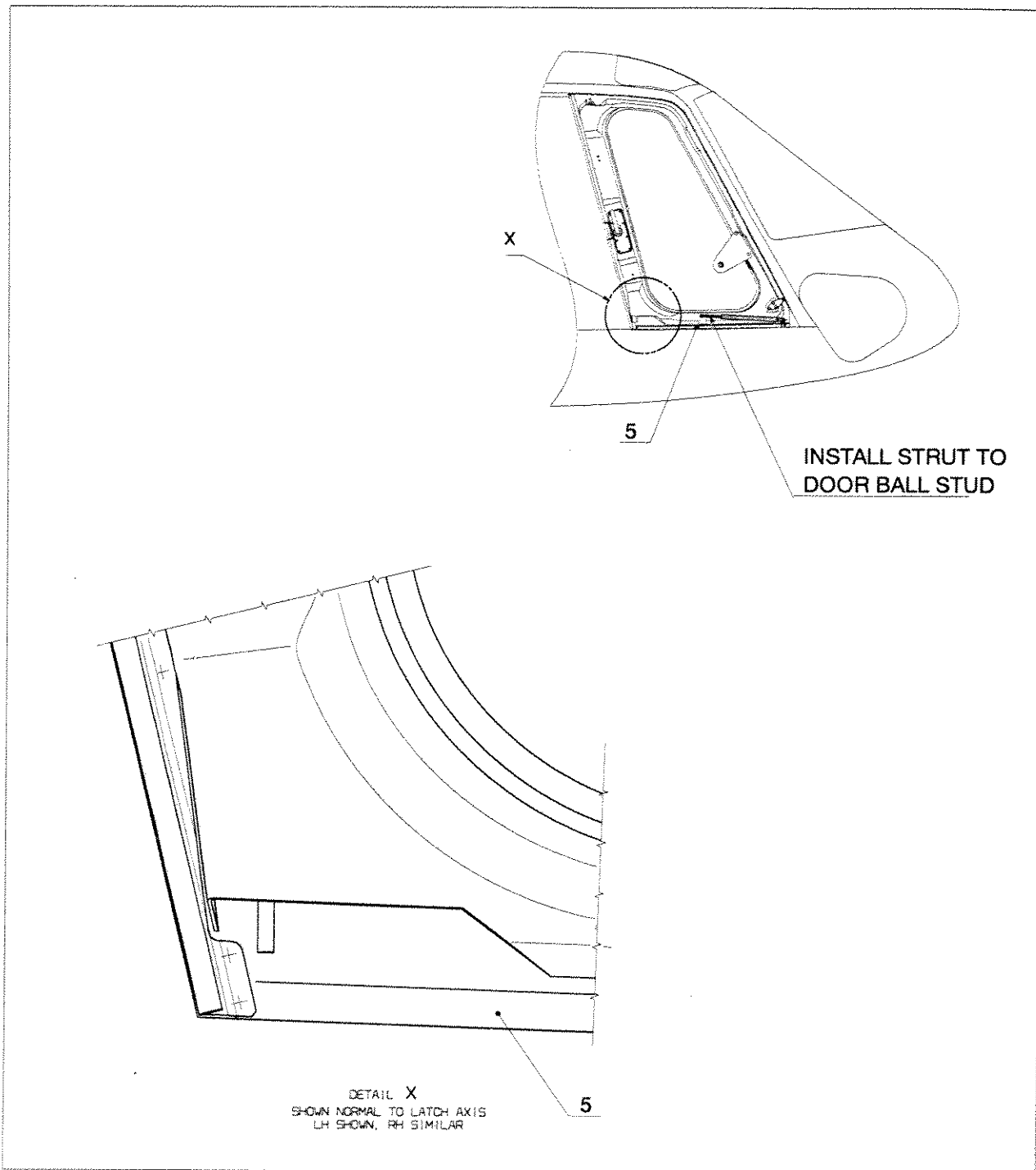


Figure 4 Forward High-Visibility Doors (Short) - Seal (LH shown)

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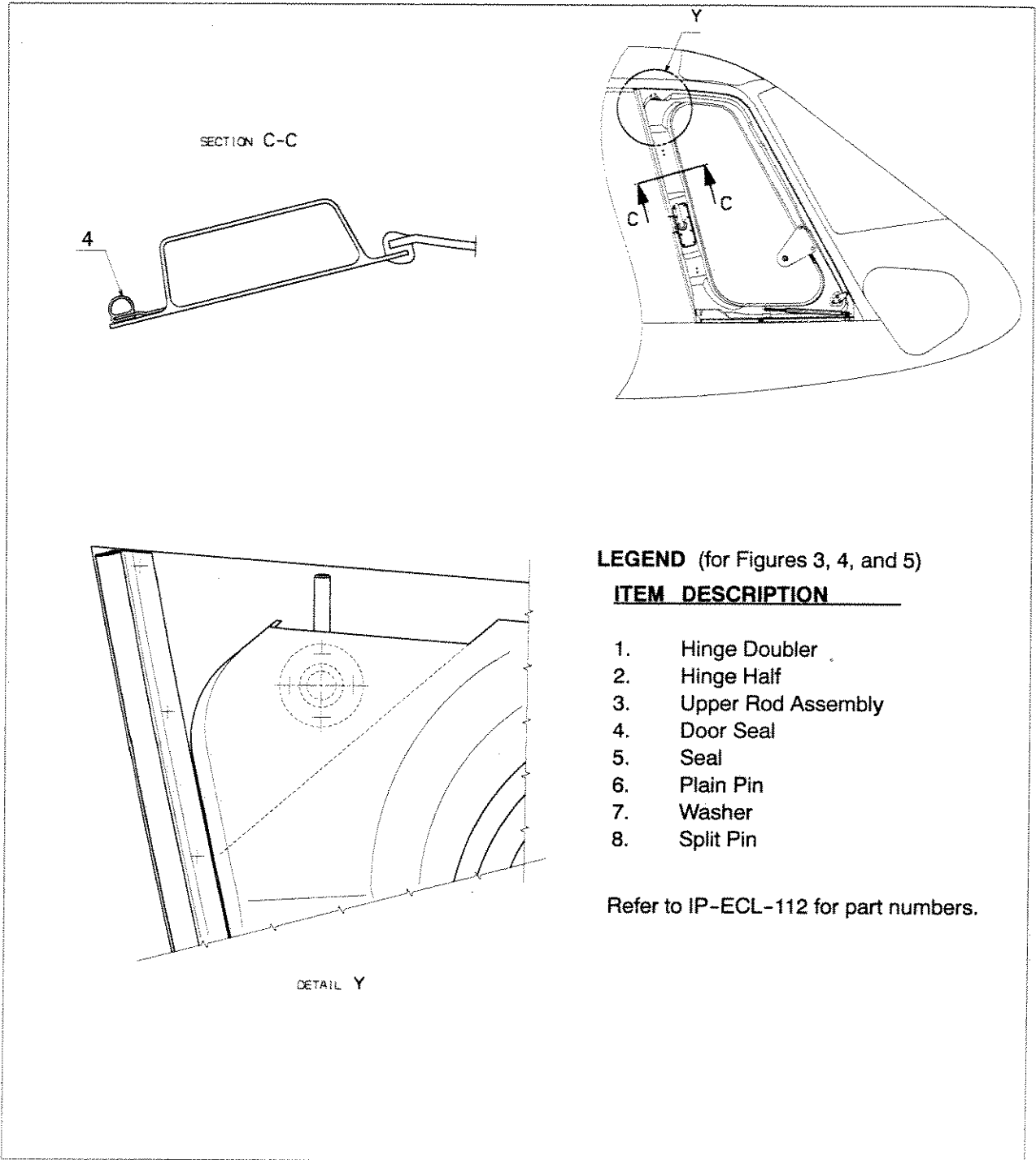


Figure 5 Forward High-Visibility Doors (Short) - Upper Door Holder and Seal (LH shown)

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**10. PLACARDS AND MARKINGS**

For placard and markings part numbers, refer to IP-ECL-112.

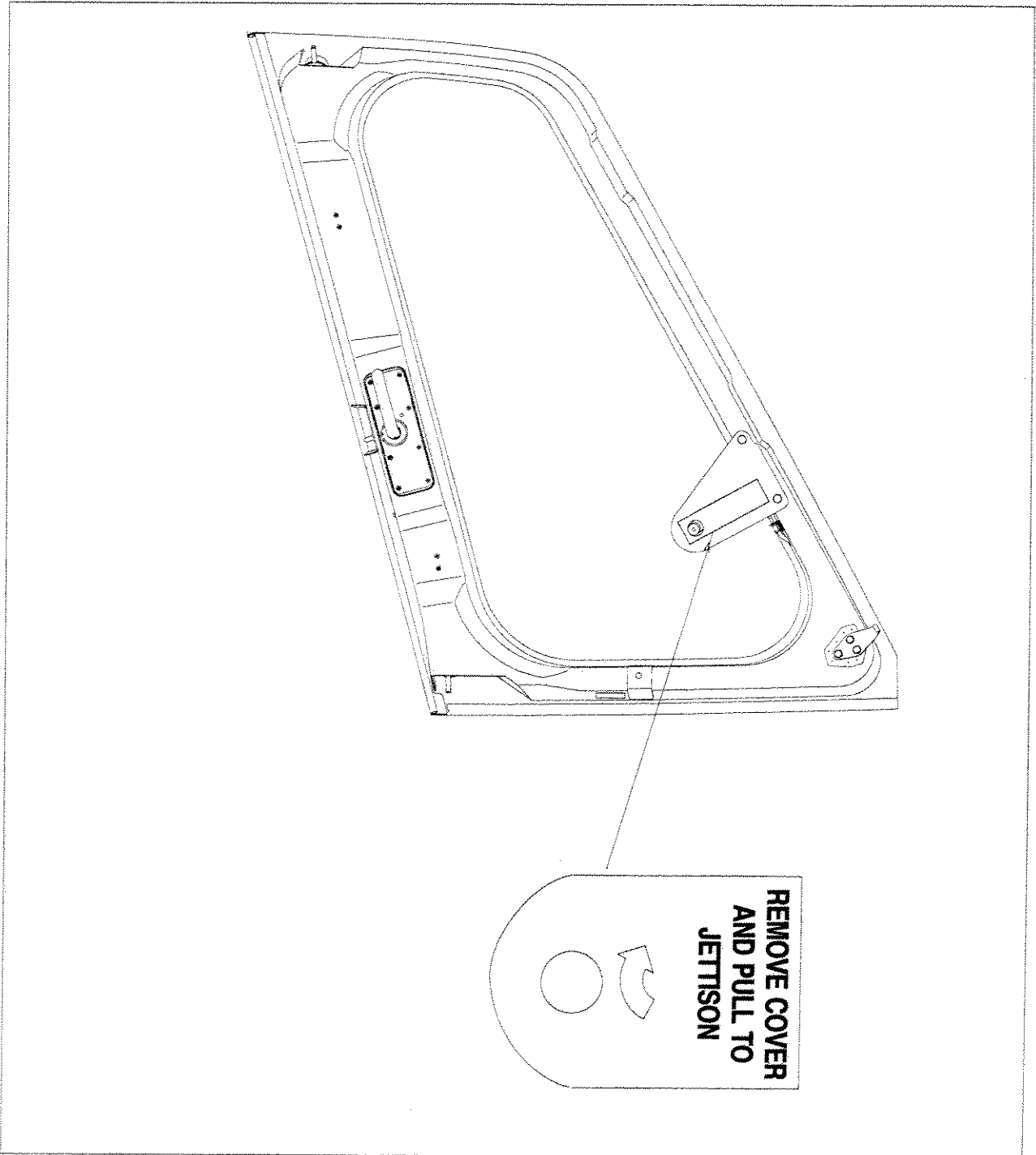


Figure 6 View showing placard location for LH and RH Jettison Handle Cover (LH shown)

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10. **PLACARDS AND MARKINGS** (continued)

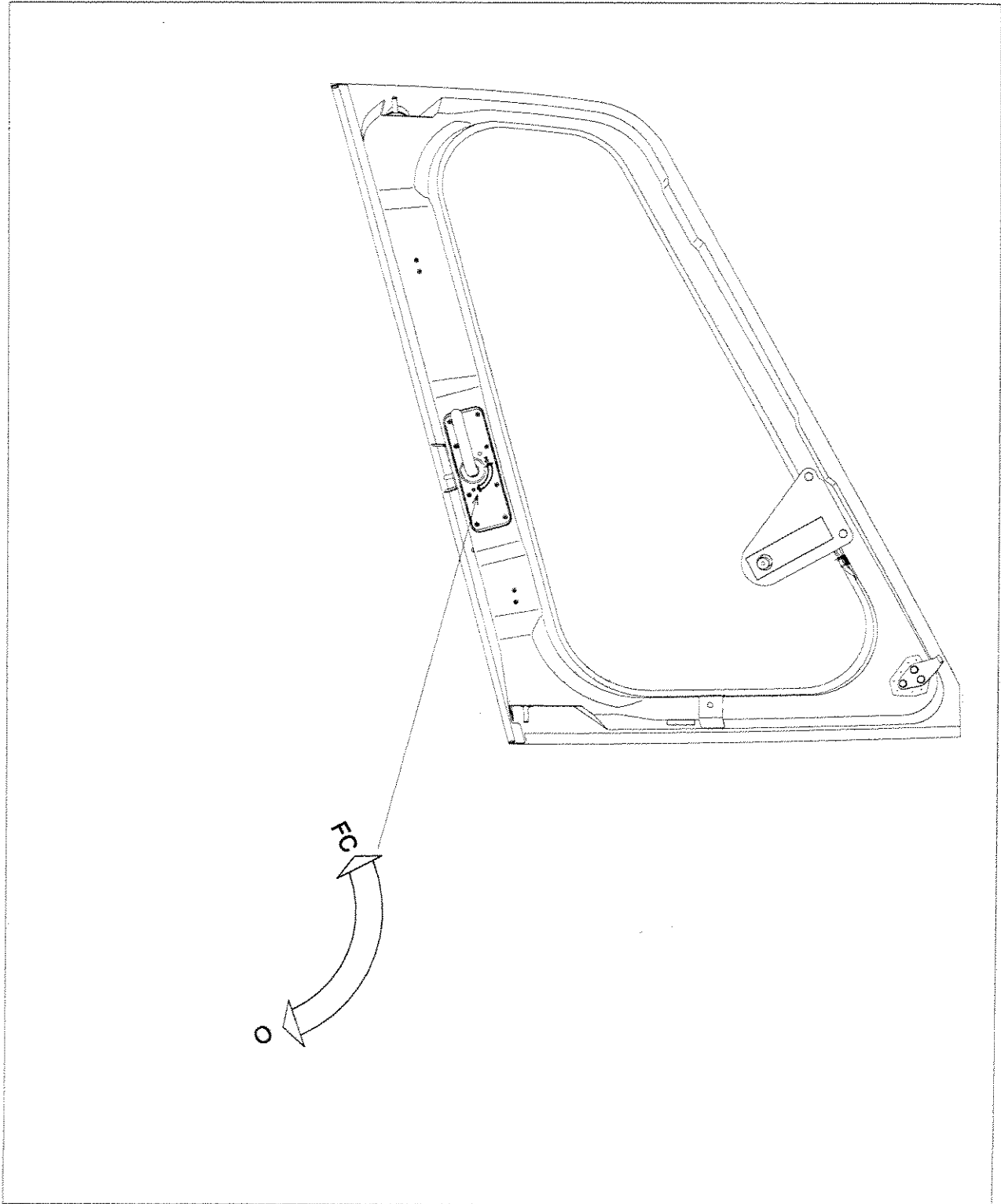


Figure 7 View showing placard location for LH and RH door latch (LH shown)

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