

SUBJECT:

Required maintenance for the RH Door Handle Installation (P/N 120-200014).

APPLICABILITY:

Aircraft with the subject modification embodied in accordance with TCCA STC. No. SH12-9 or any relevant foreign approvals.

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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 11	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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1. GENERAL

- A. The subject RH Door Handle Installation is installed on the inside of the forward right-hand door providing the crew member a convenient and easily accessible means of closing the RH Door.

The RH Door Handle is manufactured from high performance thermoplastic (PEI). Two door reinforcements are secured to the door channel. Two spacers are attached to the outer door reinforcement which can be adjusted to achieve the correct fit for the door handle once the door side panel is attached.

The RH Door Handle Installation consists of the following main components:

Fixed Provisions:

- inner door reinforcement
- outer door reinforcement
- spacer

Detachable Provisions:

- door handle

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

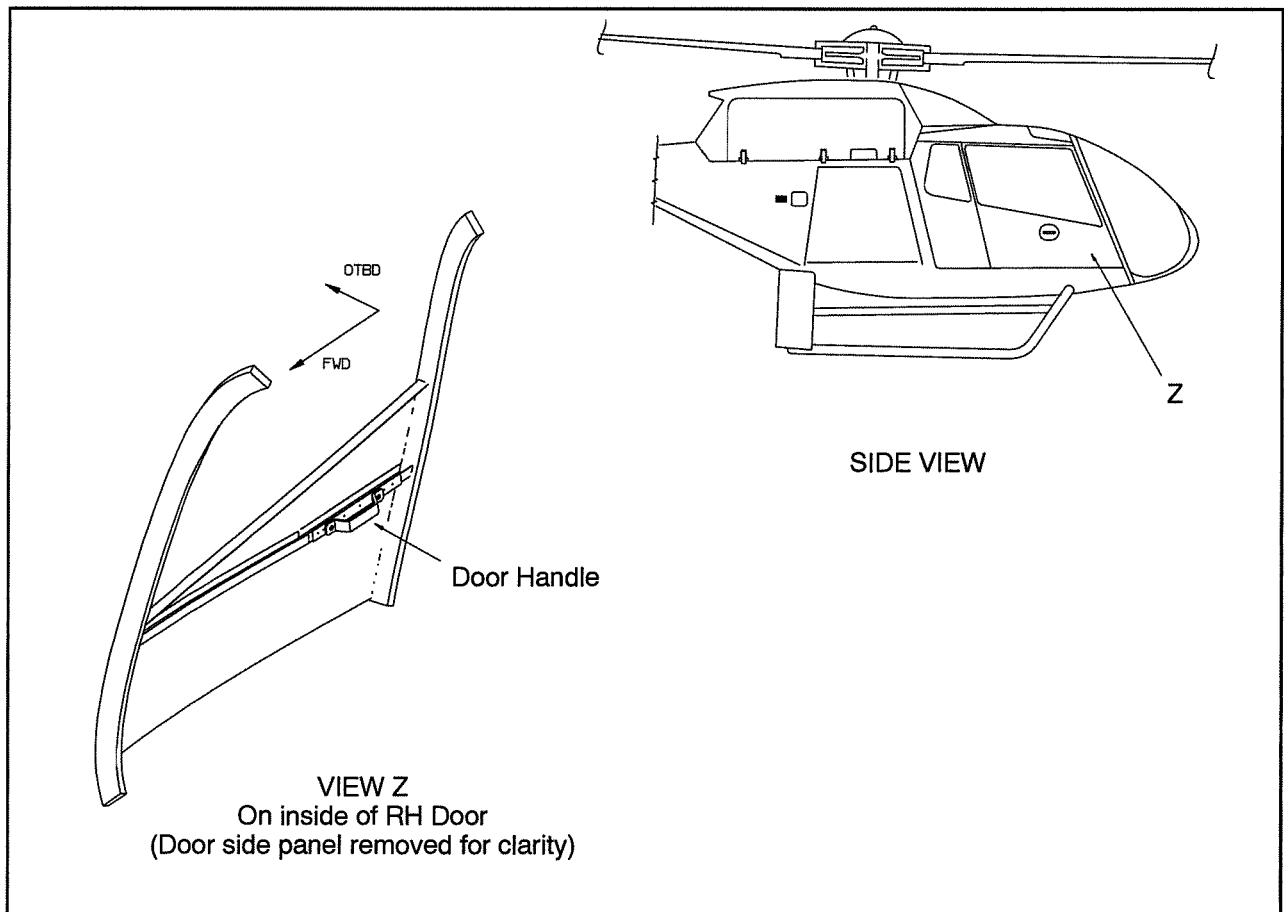


Figure 1 General Layout

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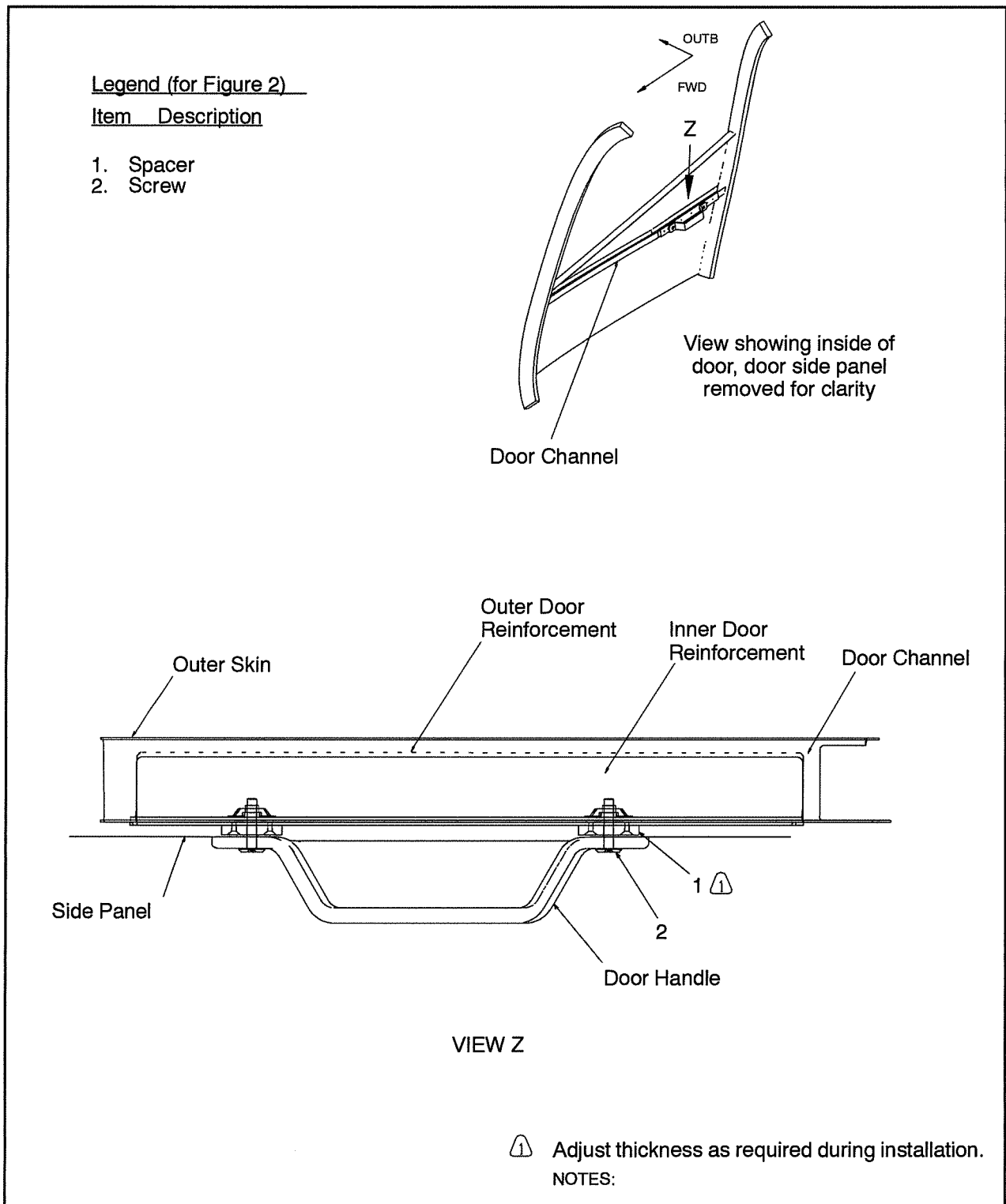


Figure 2 Door Handle Details (Sheet 1 of 2)

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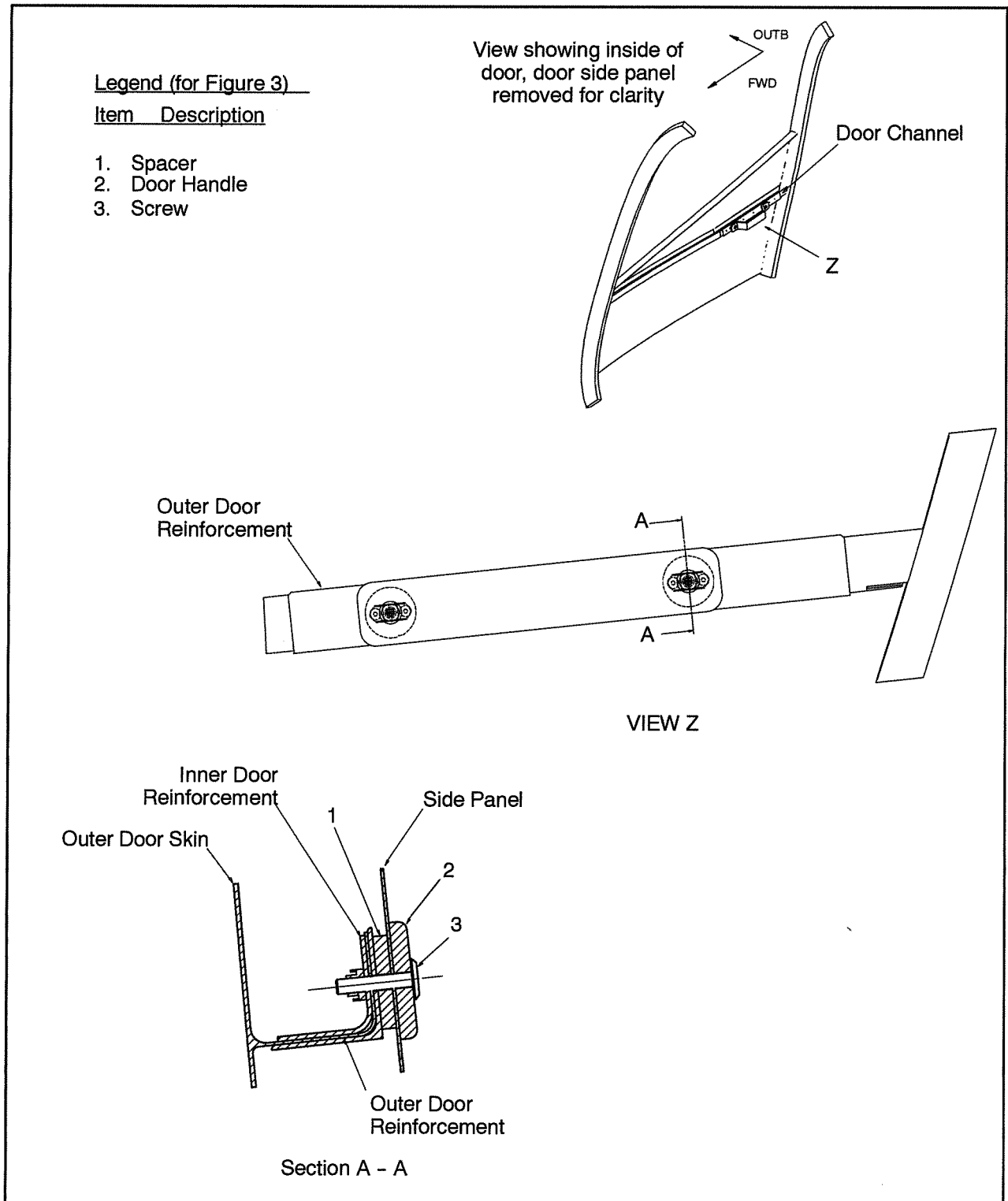


Figure 3 Door Handle Details (Sheet 2 of 2)

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C. REFERENCES

DOCUMENT	DOCUMENT TITLE
AMM	Aircraft Maintenance Manual

D. ABBREVIATIONS & DEFINITIONS

ABBREVIATION	DESCRIPTION
EC	Eurocopter (France)
ECL	Eurocopter Canada Limited
FWD	Forward
OTBD	outboard
qty.	quantity
PEI	polyetherimide
RH	Right-hand

E. UNITS OF MEASUREMENT

ABBREVIATION / SYMBOL	UNIT OF MEASUREMENT
hrs	hours
in	inch
kg	kilogram
lb	pound
m	meter

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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

Control and operation of the aircraft remains unchanged.

4. INSPECTION SCHEDULE AND MAINTENANCE ACTION

NOTE: Use torque per EC 120 AMM, Volume 1, Chapter 20-10-00, 3-2, unless otherwise specified.

4.1. INSPECTION SCHEDULE

4.1.1. Every 100 flight hrs or 12 months (to coincide with the 100 hrs or 12 month helicopter inspection)

ITEM	INSPECTION OR MAINTENANCE WORK	CORRECTIVE ACTION
A	- Visually inspect door handle, in Figure 2 for: a. security	a. Secure as required.
B	- Visually inspect door handle in Figure 2 for: a. cracking	a. Cracking is not permitted. If cracking is evident, contact ECL for replacement part.
C	- Visually inspect RH side panel, shown in Figure 3 for: a. cracking around door handle attachment points	a. Cracking is not permitted. If cracking is evident, replace side panel in accordance with EC, Aircraft Maintenance Manual (AMM), Chapter 25-23-00, 4-1. Contact ECL for replacement part.

Table 1 Inspection Schedule and Maintenance Action
Every 100 flight hrs or 12 months

4.1.2. Every 500 flight hrs or 24 months (to coincide with the 500 hrs or 24 month helicopter inspection)

ITEM	INSPECTION OR MAINTENANCE WORK	CORRECTIVE ACTION
A	- Visually inspect outer reinforcement panel, inner reinforcement panel and spacer, shown in Figure 3. a. cracking b. corrosion	a. No cracking is allowed. If cracking is found, contact ECL for replacement part. b. No corrosion is allowed. If corrosion is found, contact ECL for replacement part.

Table 2 Inspection Schedule and Maintenance Action
Every 500 flight hrs or 24 months

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5. REPLACEMENT COMPONENTS AND REPAIR/OVERHAUL INFORMATION

No replacement components and repair/overhaul information required for this installation.

6. TROUBLESHOOTING

There are no unique characteristics which require troubleshooting techniques.

7. SPECIAL TOOLS

No special test equipment or tools are required. Standard tools are adequate.

8. REMOVAL AND REPLACEMENT

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

PRELIMINARIES

- Read General Safety Instructions - Electrical Power Supply System (refer to EC 120 B, Aircraft Maintenance Manual, Chapter 24-00-00, 3-1).
- Disconnect external power unit and the battery (refer to Removal/Installation - Battery, EC 120 B, Aircraft Maintenance Manual, Chapter 24-33-00, 4-1).

A. REMOVAL

- 1) DOOR HANDLE (Refer to Figure 3)
 - a) Remove screws (3) (2 places) that secure the door handle to the inside of the RH Door.
 - b) Remove the door handle.

B. REPLACEMENT

NOTE: Use torque per EC 120 AMM, Volume 1, Chapter 20-10-00, 3-2, unless otherwise specified.

- 1) DOOR HANDLE(Refer to Figure 3)
 - a) Reposition the door handle onto the inside of the RH door over the previously drilled holes.
 - b) Secure door handle using screws (3) (2 places).
- 2) Close all areas opened for service in the PRELIMINARIES paragraph of this section.
- 3) Apply external power unit and battery. Refer to Removal/Installation - Battery, EC 120 B, Aircraft Maintenance Manual, Chapter 24-33-00, 4-1.
- 4) Perform functional tests in accordance with EC 120 B, Aircraft Maintenance Manual, Chapter 24-33-00, 5-1.

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9. WEIGHT AND BALANCE DATA

A. Removed Items

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
(not applicable)	0.00	0.0	0.00	0.0	0.00	0.0
Total	0.00	0.0	0.00	0.0	0.00	0.0

B. Added Items

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Door Handle (qty. 1)	0.13	0.3	2.97	116.9	0.37	35.1
Spacer (qty. 2)	0.03	0.1	2.97	116.9	0.08	11.7
Outer Door Reinforcement	0.12	0.3	2.97	116.9	0.35	35.1
Inner Door Reinforcement	0.10	0.2	2.97	116.0	0.29	23.4
Total	0.37	0.9	2.97	116.9	1.09	105.2

10. PLACARDS AND MARKINGS

There are no placards or markings with this modification.

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