

SUBJECT:

Required maintenance for Standard Interior Modification, Bush Seat Covers
 (P/N 350-701044)

APPLICABILITY:

Aircraft with the subject modification embodied in accordance with TCCA STC
 No. SH12-28 or any relevant foreign approvals.

The information and data contained in this document supersede or supplement that contained in the basic AS 350 / AS 355 Maintenance documentation in those areas listed herein. For procedures not contained in this document refer to the Approved Maintenance Manual or any other accepted supplemental Maintenance Manual Supplemental.

This MMS is to be used in conjunction with the Approved AS 350 / AS 355 Maintenance Manual for the aircraft with the subject design change incorporated.

The information and data contained in this document supersede or supplement that contained in the basic AS 350 / AS 355 Maintenance documentation in those areas listed herein. For procedures not contained in this document refer to the Approved Maintenance Manual or any other Supplemental Instructions for Continued Airworthiness.

This Supplemental ICA is to be used in conjunction with the Approved AS 350 / AS 355 Maintenance Manual for the aircraft with the subject design change incorporated.

The Airworthiness Limitations section is FAA approved and specifies maintenance required under 14 CFR Secs. 43.16 and 91.403 unless an alternative program has been FAA approved.

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PREPARED BY:			AHCA ENGINEERING
PREPARED BY:			
CHECKED BY:			AHCA ENGINEERING
CHECKED BY:			AHCA QUALITY ASSURANCE
REV. 5 RELEASED BY:			AHCA ENGINEERING
REV. 5 ACCEPTED (Civil A/W Authority)	(As per ICA Compliance Check Sheet)		TCCA



AIRBUS HELICOPTERS CANADA LIMITED

**INSTRUCTIONS FOR CONTINUED
AIRWORTHINESS
STANDARD INTERIOR MODIFICATION
BUSH SEAT COVERS
AS 350 / AS 355**

RECORD OF REVISION

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 16 A1 B1	Original issue.	D. Kerr 22 March 2012	C. Timmins 22 March 2012	N/A.	R. Manson 28 March 2012
1	1 through 16 A1 B1	Revised to incorporate drawing changes. (Pages 4, 5 to 8, 10 and 14)	D. Kerr 30 March 2012	C. Timmins 30 March 2012	TCCA K. Chan 5 April 2012	R. Manson 11 April 2012
2	1 through 18 A1 - A2 B1	Amend text "cushion" change to cover. Revised the Weight and Balance Charts. Addition of Double Rear Seat Cushions. (Pages 3 to 12 and 14 to 18)	D. Kerr 10 September 2012	C. Timmins 10 September 2012	TCCA G. David 1 November 2012	R. Manson 5 November 2012
3	1 through 18 A1 - A2 B1	Addition of company logo, name change and template change. Addition of AS 355 aircraft type to document. Chapter reference in Section 4 revised. (Pages 4, 12 to 15)	D. Kerr 4 September 2014	C. Timmins 4 September 2014	TCCA G. David 11 November 2014	P. Sharpe 11 November 2014
4	1 through 19 A1 - A2 B1	Title revised. Energy- absorbing type seats SICMA 159 and 198 referenced. Addition of new OEM cushion part numbers. New P/N 350- 701044- 08 added. Appendix A deleted (Pages 4 to 7, 9, 12 to 17)	D. Kerr 9 March 2018	D. Kapuscinsky 12 March 2018.	TCCA G. David 21 March 2018	P. Sharpe 21 March 2018
5	1 through 18 A1	Minor template revisions. Removed all references to Velcro. Weight and Balance chart updated to reflect new foam used to manufacture back seat cushions. Appendix B moved to the vacant Appendix A position. (Pages 4, 6 to 14 & 16 to 18)	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.
NOTE: Minor changes are released in accordance with TCCA - ACCEPTED CAR 521.154 procedures (ref. DAPM-E-0001).

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1 GENERAL

- A. The subject Standard Interior Modification for the Bush Seat Covers is defined by AHCA drawing number 350- 701044 and consists of the following seat cover configurations:

Description	Part Number	OEM Cushion Part Number
Forward Seat Cover (SICMA 159)	350-701044-01	P/N F0428848, 159700-1 or F209731
Rear Seat Back Cover	350-701044-02	P/N 350A771412.11
Rear Seat Back Cover	350-701044-03	P/N 350A771412.12
Rear Seat Back Cover	350-701044-06	P/N 350A771412.10
Double Rear Seat Cover	350-701044-07	Not Applicable
Forward Seat Cover (SICMA 198)	350-701044-08	P/N F0447770

The forward and rear bush covers are all manufactured from vinyl. These covers may be utilized as an alternate to the standard seat covers. The double rear seat cushions may be used as an alternative to the OEM seat cushions.

The forward bush covers are manufactured to fit the OEM foam used on the energy-absorbing type seats: SICMA 159 and SICMA 198 Series for AS 350, and SICMA 159 Series for AS 355. The cushions are secured to the seat frame using snaps and hook and loop tape.

Two strap holders manufactured from vinyl are attached to the back of the rear bush cushion cover. Two OEM cushion security straps feed through the strap holders securing the rear back seat cushion to the cabin wall. Loop tape on the back of the rear back cushion secures the cushion to the existing hook tape on the back wall.

The double rear seat cushion has one strap holder manufactured from vinyl attached to the back cushion of the double rear seat cushion. One OEM cushion security strap is feed through the strap holder securing the double rear seat cushion to the cabin wall. Loop tape on the back of the double rear seat cushion secures the cushion to the existing hook tape on the back wall.

The cushion security straps and hook and loop tape are used to prevent the rear cushions from exiting the aircraft when operating the aircraft with the doors open or removed.

The rear back and bottom cushions are secured together using hook and loop tape. The rear bottom cushions are secured to the seat frame using hook and loop tape.

Refer to Figure 1 for General Layout.

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

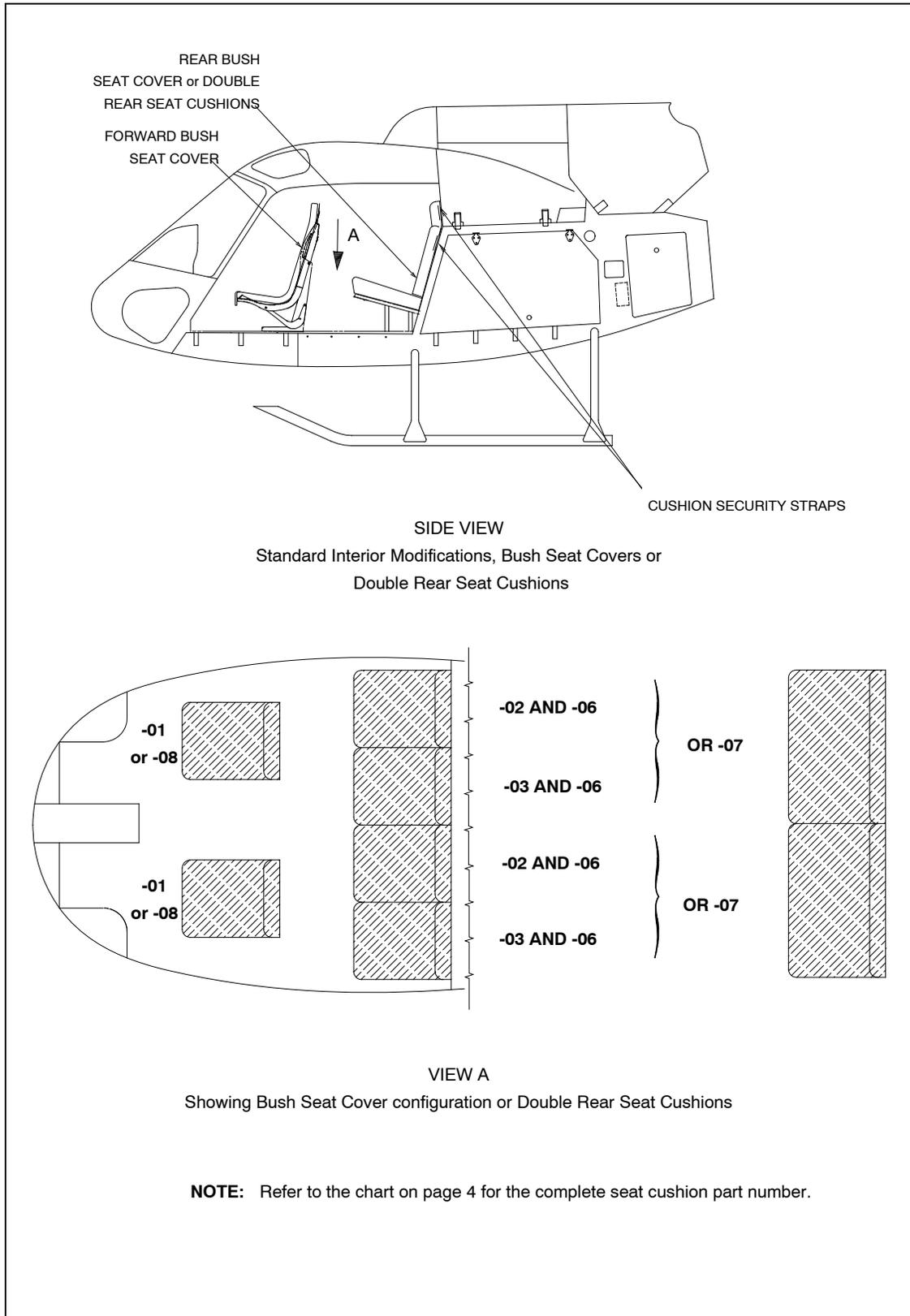
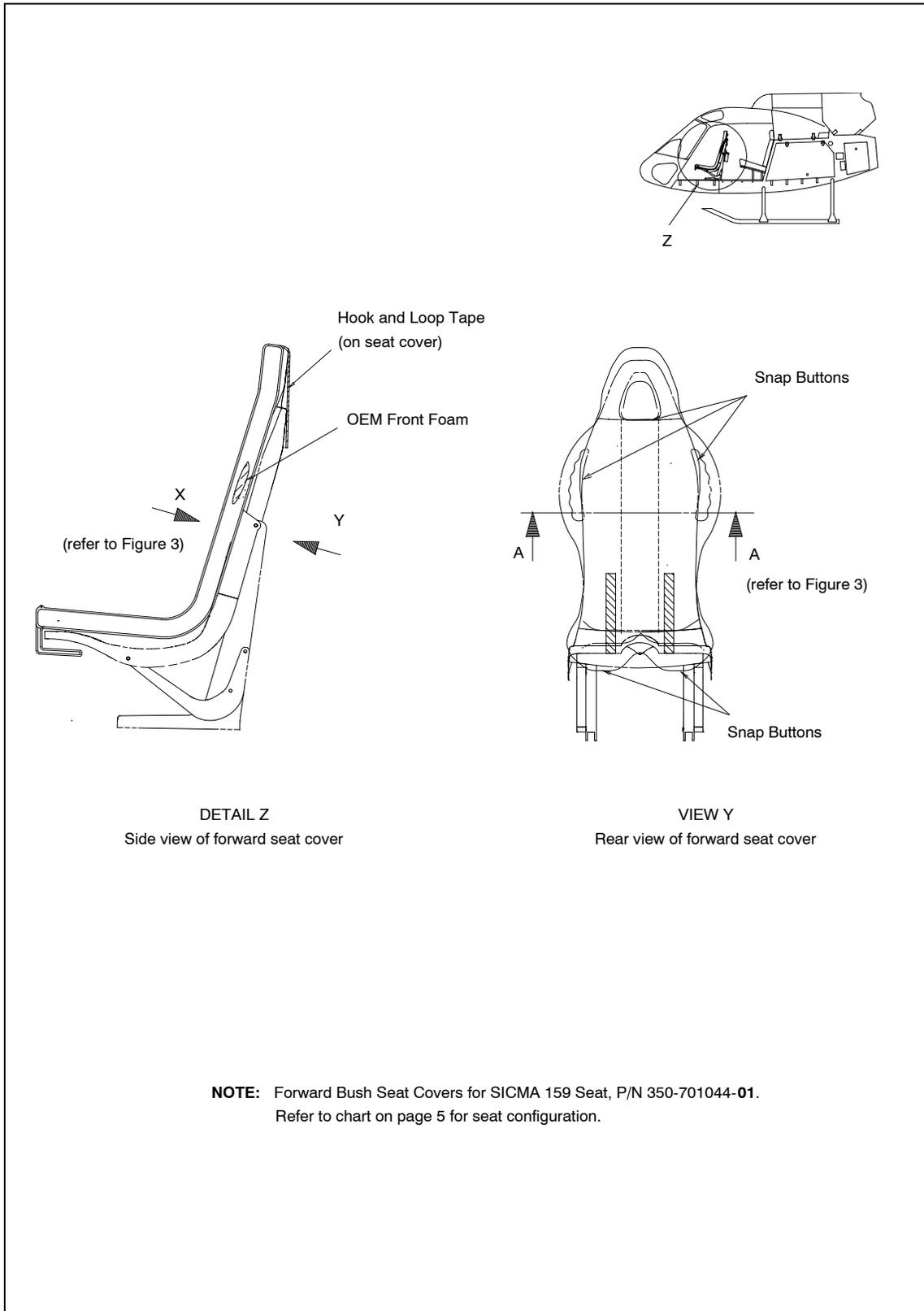


Figure 1 General Layout
 Transport Canada - Accepted
 Export Control Classification Marking: 9E991
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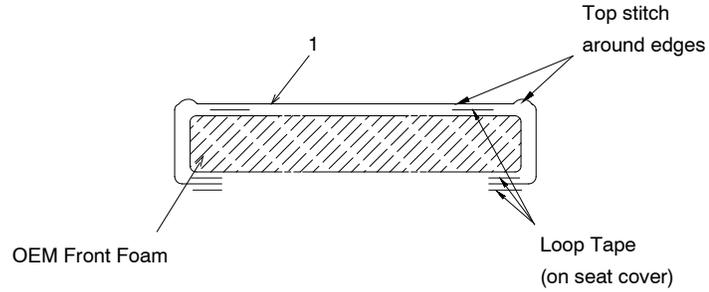


NOTE: Forward Bush Seat Covers for SICMA 159 Seat, P/N 350-701044-01.
 Refer to chart on page 5 for seat configuration.

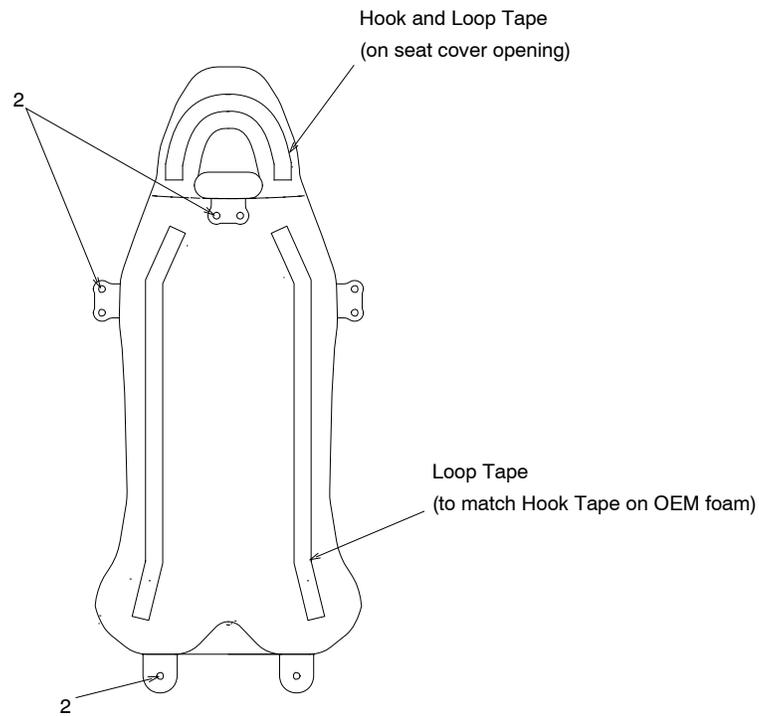
Figure 2 Forward Bush Seat Cover Details for SICMA 159 Series Seat

Legend (for Figure 3)

- | <u>Item</u> | <u>Description</u> |
|-------------|--------------------|
| 1. | Vinyl Seat Cover |
| 2. | Snap Buttons |



SECTION A - A
 Showing forward seat cover



VIEW X
 Showing inside forward seat cover

Figure 3 Forward Bush Seat Cover Details for SIMCA 159 Series Seat (continued)

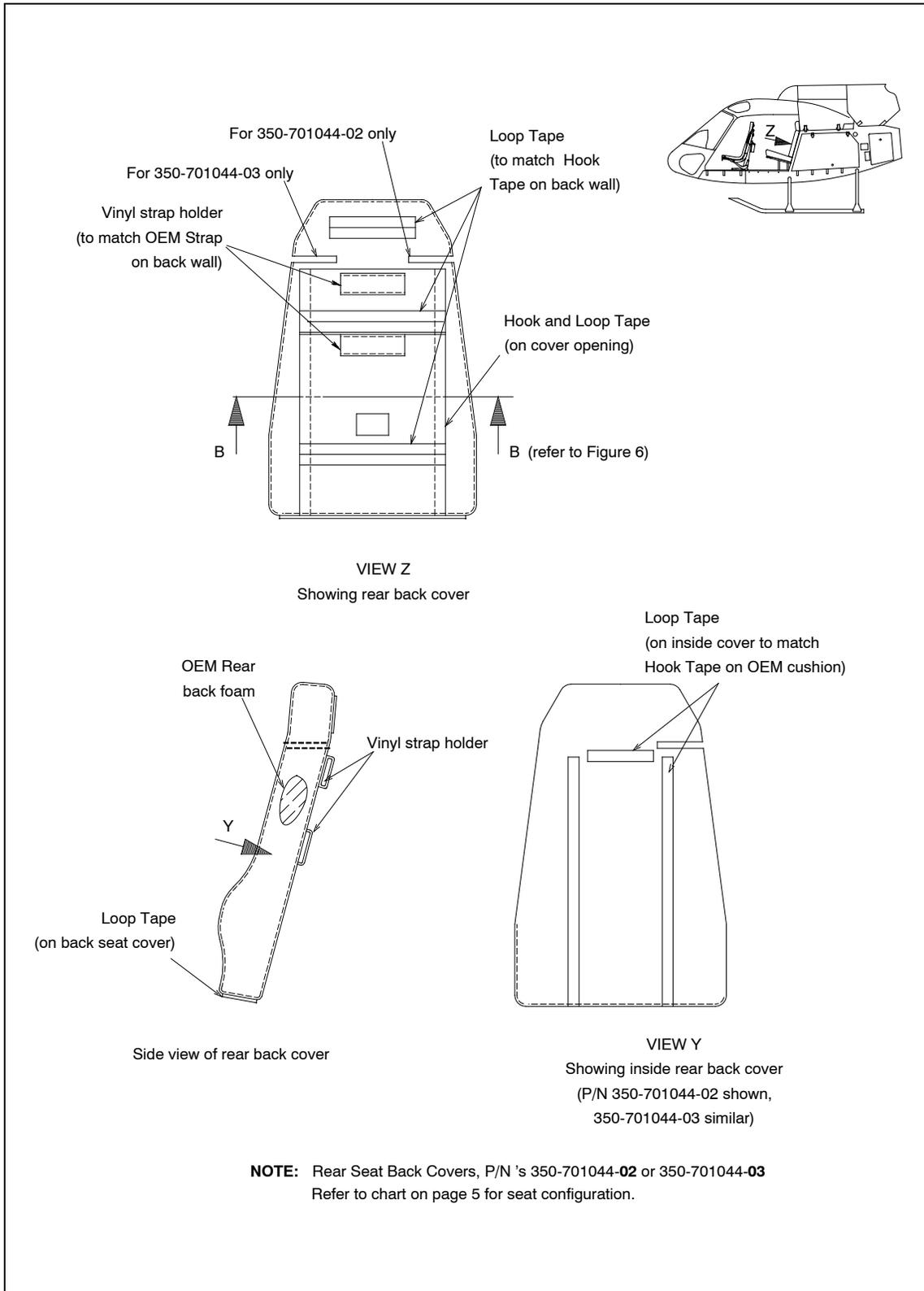


Figure 4 Rear Bush Seat Cover Details

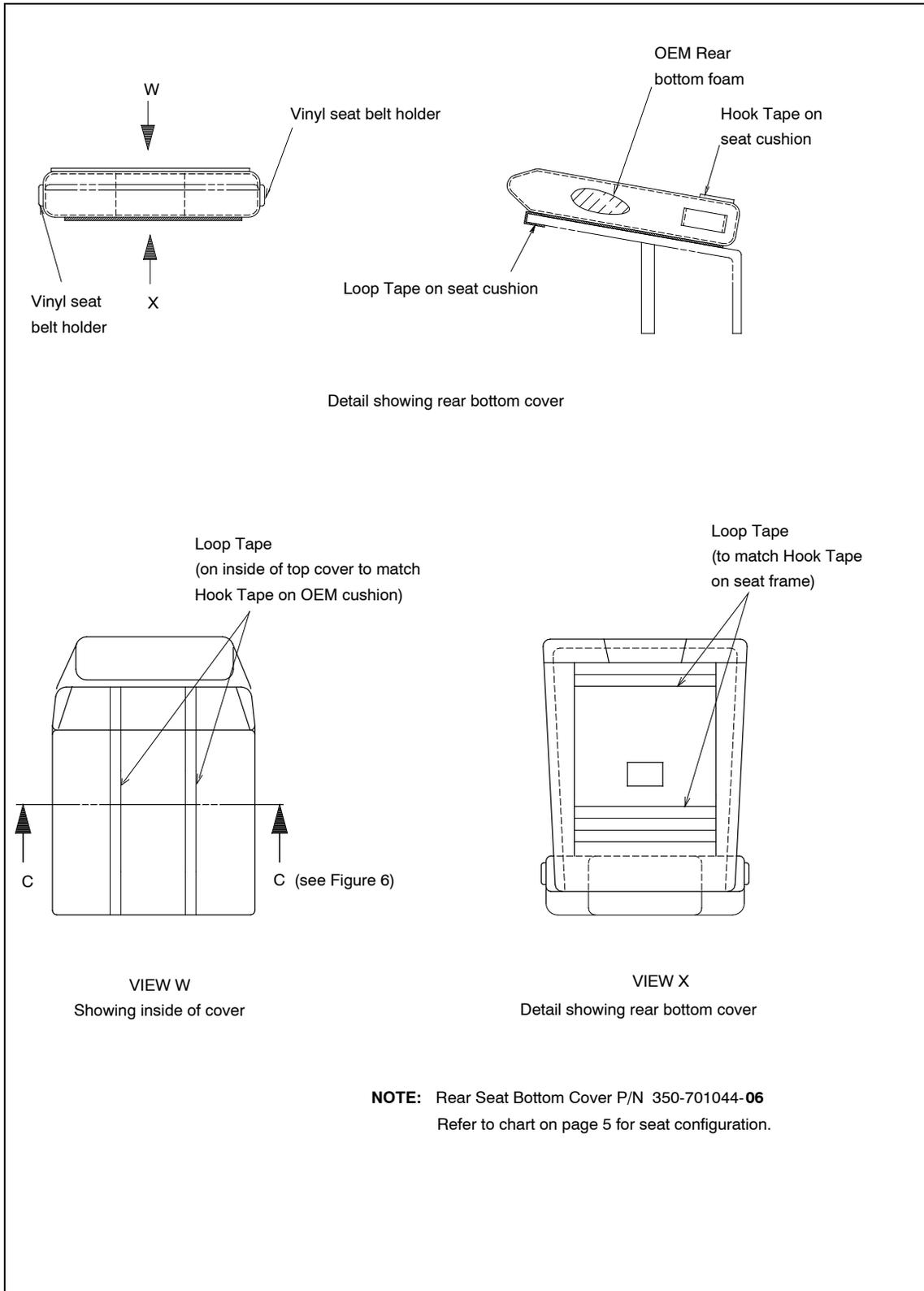
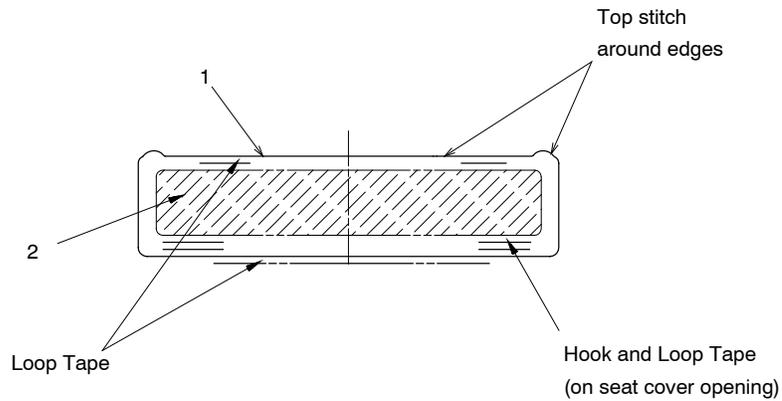


Figure 5 Rear Bush Seat Cover Details (continued)

Legend (for Figure 6)

Item Description

- 1. Vinyl Seat Cover
- 2. OEM Rear Bottom Foam or OEM Rear Back Foam



SECTION B - B
SECTION C - C
Showing rear bottom or back cover

Figure 6 Rear Bush Seat Cover Details (continued)

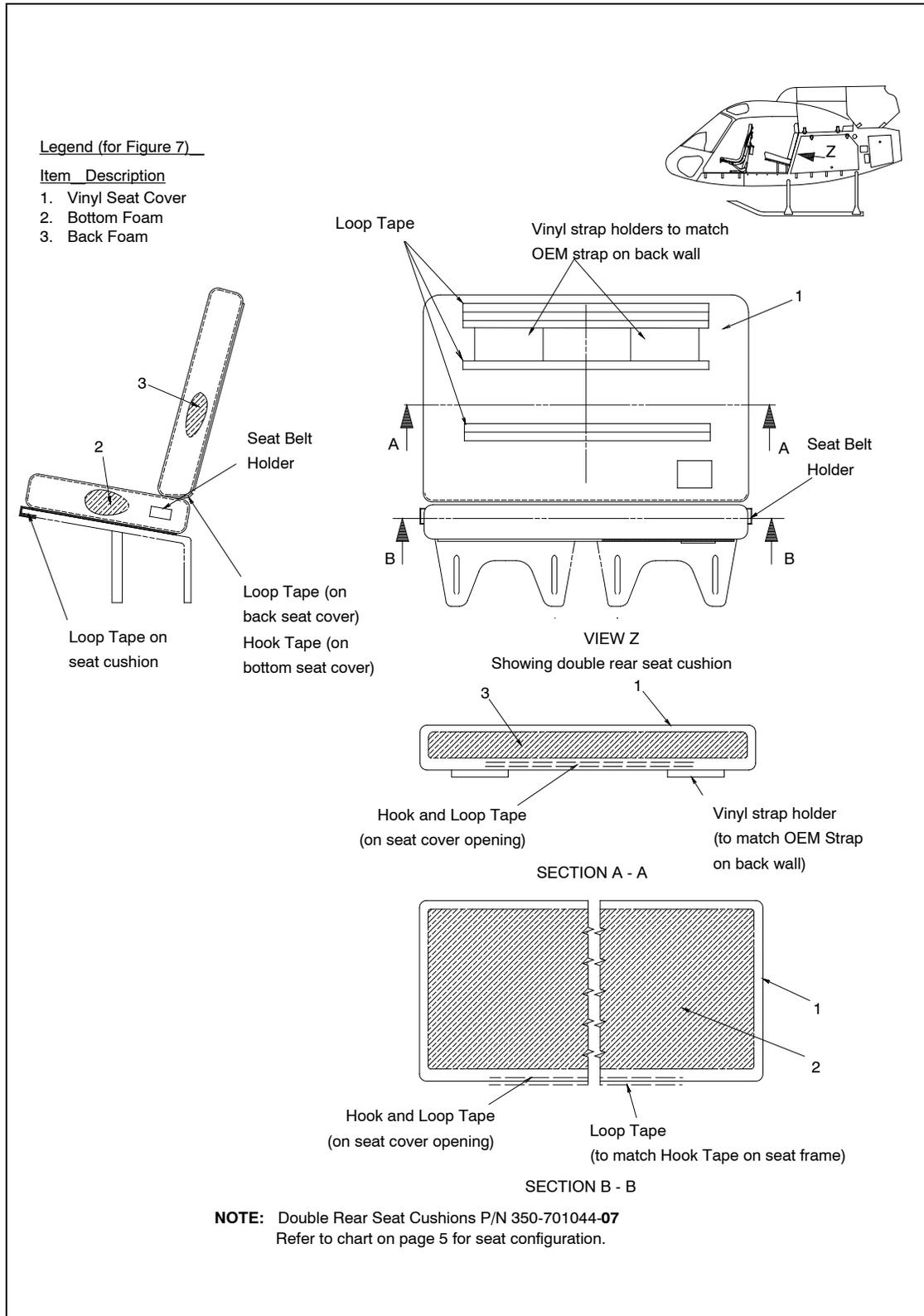


Figure 7 Double Rear Bush Seat Cushion Details

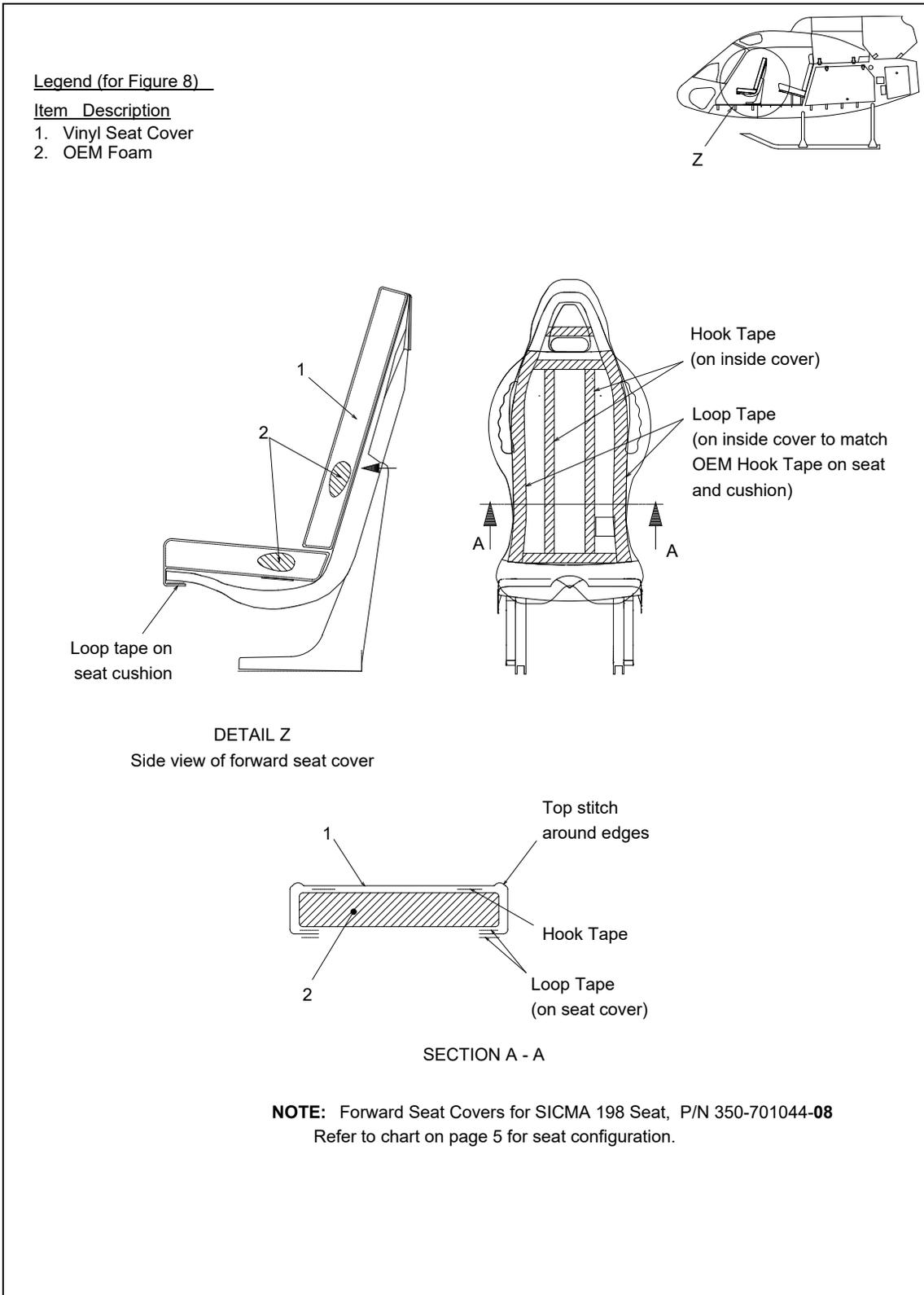


Figure 8 Forward Bush Seat Cover Details for SICMA 198 Series Seat



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INSTRUCTIONS FOR CONTINUED
AIRWORTHINESS
STANDARD INTERIOR MODIFICATION
BUSH SEAT COVERS
AS 350 / AS 355

C. REFERENCES

DOCUMENT	DOCUMENT TITLE
ICA	Instructions for Continued Airworthiness
MTC (all aircraft)	Standard Practices Manual

D. ABBREVIATION & DEFINITIONS

ABBREVIATION	DEFINITIONS
Acc'd	Accepted
AHCA	Airbus Helicopters Canada Limited
App'd	Approved
A/W	Airworthiness
CAR	Canadian Aviation Regulations
DAPM	Design Approval Procedure Manual
EASA	European Aviation Safety Agency
FAA	Federal Aviation Administration
OEM	Original Equipment Manufacturer
P/N	Part Number
ref.	reference
Rev.	Revision
STC	Supplemental Type Certificate
TCCA	Transport Canada Civil Aviation

E. UNITS OF MEASURE

ABBREVIATION/SYMBOL	UNIT OF MEASUREMENT
D	Day
FH	Flight Hours
hrs	hours
in	inch
kg	kilogram
lb	pound
m	meter
M	Month

2 AIRWORTHINESS LIMITATIONS

Canadian Approval

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

FAA Approval

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

EASA Approval

The Airworthiness Limitations section is approved and variations must also be approved.

No Airworthiness Limitations associated with this installation.

3 CONTROL AND OPERATION

Control and operation of the aircraft remains unchanged.

4 INSPECTION SCHEDULE AND MAINTENANCE ACTION

NOTE: Use torque per MTC 20-02-05-404, unless otherwise specified.

4.1 INSPECTION SCHEDULE

4.1.1 Every 150 FH or 12 M (Margins: 15 FH or 36 D) to coincide with the 150 FH or 12 M helicopter inspection, whichever occurs first:

ITEM	INSPECTION OR MAINTENANCE WORK	CORRECTIVE ACTION
A	- Check cushion security straps on back wall, shown in Figure 1, for: a. security	a. Secure as required.
B	- Visually inspect snaps on forward and seat coverings, shown in Figure 2 for: a. security	a. Secure button snaps as required.
C	- Visually inspect strap holder on back of each rear seat, shown in Figures 4 and 7, for: a. separation	a. Check that strap is not separating from seat cushion. If so, contact AHCA.
D	- Check vinyl seat covering, in Figures 3, 5, 6 and 7 for: a. tearing b. cleanliness	a. Check that foam/backing is not exposed. If so, contact AHCA. b. For cleaning instructions, refer to Appendix A.
E	- Visually inspect hook and loop tape on vinyl seat covers shown in Figures 2 through 8 for: a. wear b. security	a. Wear is not permitted. If wear is evident, contact AHCA. b. Secure as required.

Table 1 Inspection Schedule and Maintenance Action
Every 150 FH or 12 M (Margins: 15 FH or 36 D) to coincide with the 150 FH or 12 M helicopter inspection, whichever occurs first

5 REPLACEMENT COMPONENTS AND REPAIR / OVERHAUL INFORMATION

Contact AHCA for replacement component parts. No overhaul information required for this installation.

For information contact Airbus Helicopter Customer Support Representatives:

Email: hcaresupport.canada@airbus.com

After Hours AOG Support: 1-800-267-4999

Visit our website at www.airbushelicopters.ca

6 TROUBLESHOOTING

There are no unique characteristics which require troubleshooting techniques.

7 SPECIAL TOOLING

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

8 REMOVAL AND REPLACEMENT

PRELIMINARIES

- Remove standard seat cushions and store.

A. REMOVAL

1) FWD SEAT COVER (Refer to Figures 2 or 8)

- Unsnap cushions from seat frame, as applicable.
- Remove cushions from pilot and co-pilot seat frame and place on workbench with back of the cushion facing up.
- Carefully peel open the hook and loop tape and remove the OEM cushion cover from the OEM foam.

2) REAR SEAT COVER (Refer to Figures 4 and 5)

- Remove cushion security straps from the vinyl strap holders located on the seat back of the seat back cushions.
- Remove the seat back cushions and seat bottom cushions from the rear seat frames. Place cushions on a workbench with underside facing up.
- Carefully peel open the hook and loop tape and remove the OEM foam from each cushion.

3) DOUBLE REAR SEAT CUSHION (Refer to Figure 7)

- Remove cushion security strap from the vinyl strap holder located on the seat back of the rear double back cushions.
- Remove the rear double back cushions and rear double bottom cushions from the rear seat frames.
- Store cushions.

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8 REMOVAL AND REPLACEMENT (continued)

B. REPLACEMENT

1) FWD SEAT COVER (Refer to Figures 2 or 8)

- a) Open out seat cover on a flat surface.
- b) Align inside of cover with a plastic sheet, enough to cover the hook and loop tape.
- c) Place OEM cushion into cover and once fitted into place, quickly remove the plastic sheet. Press hook and loop tape until secure.
- d) Reposition seat cushion onto seat frame and secure using hook and loop tape and snaps.

2) REAR SEAT COVER (Refer to Figures 4 and 5)

BOTTOM COVER

- a) Open flap on back of bottom cushion and insert OEM foam.
- b) Align hook tape on OEM foam with loop tape inside cushion cover and secure.
- c) Close cover opening and secure using hook and loop tape.
- d) Reposition rear bottom seat cushion onto rear seat frame and secure using hook and loop tape.

BACK COVER

- a) Open out seat cover on a flat surface.
- b) Align hook tape on OEM foam with loop tape inside cushion cover and secure.
- c) Close cover opening and secure using hook and loop tape.
- d) Reposition rear seat back cushion into aircraft. Feed OEM cushion security straps through both strap holders located on the back of the back cushion to secure the back cushion to the cabin wall. Align loop tape on cushion cover with hook tape on cabin back wall and seat frame.
- e) Ensure the loop tape from the back cushion cover is secured to hook tape on the bottom cushion cover where both cushions meet.

3) DOUBLE REAR SEAT CUSHION (Refer to Figure 7)

- a) Reposition rear bottom seat cushion onto seat frames and secure using hook and loop tape.
- b) Reposition rear seat bottom cushion into aircraft. Feed OEM cushion security straps through strap holders located on the back of the back cushion to secure the back cushion to the cabin wall. Align loop tape on cushion cover with hook tape on cabin back wall and seat frame.
- c) Ensure the loop tape from the back cushion cover is secured to hook tape on the bottom cushion cover where both cushions meet.

9 WEIGHT AND BALANCE DATA

Refer to chart below if replacing all standard seat covers with bush seat covers.

A. Removed Items – OEM Seat Covers

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Standard Forward Seat Covers (2 seats)	-1.40	-3.09	1.57	61.81	-2.20	-190.99
Standard Rear Seat Covers (4 seats)	-4.20	-9.26	2.50	98.43	-10.50	-911.46
Total	-5.60	-12.35	2.27	89.27	-12.70	-1102.45

B. Added Items – Bush Seat Covers

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Forward Seat Covers (2 seats)	2.64	5.82	1.57	61.81	4.14	359.73
Rear Seat Back and Bottom Covers (4 seats)	5.96	13.14	2.50	98.43	14.90	1293.37
Total	8.60	18.96	2.21	87.19	19.04	1653.10

Refer to chart below below if replacing FWD standard seat covers with bush seat covers and rear seat cushions with double rear seat cushions.

A. Removed Items – OEM Seat Covers from FWD seats and all rear cushions and covers

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Standard Forward Seat Covers (2 seats)	-1.40	-3.09	1.57	61.81	-2.20	-190.99
Standard Rear Seat Cushions (4 seats)	-12.64	-27.87	2.50	98.43	-31.60	-2742.24
Total	-14.04	-30.96	2.41	94.77	-33.80	-2934.23

B. Added Items – Bush Seat Covers on FWD cushions and Double Rear Seat Cushions in rear

DESCRIPTION	WEIGHT		ARM		MOMENT	
	kg	lbs	m	in	kg m	lb in
Forward Seat Covers (2 seats)	2.64	5.82	1.57	61.81	4.14	359.73
Double Rear Seat Cushions (4 seats)	13.66	30.12	2.50	98.43	34.15	2964.71
Total	16.30	35.94	2.35	92.50	38.29	3324.44

10 PLACARDS AND MARKINGS

There are no placards and markings with this modification.

TEXHYDE

Leather Look with Textile Softness

PREMIER

PREMIER has been developed to meet the rigorous demands of hospital, contract, and institutional use. PREMIER is designed for all covering requirements and exceeds the accepted industry standards for upholstery products.

PREMIER is ideally suited for commercial and contract upholstery applications, as well as residential:

- office
- lounge
- hospitals
- nursing homes
- family rooms
- restaurant
- hotel/motel
- hair salons
- living room
- casual dining

PREMIER is formulated to meet the flammability* requirements contained in the following specifications:

- Federal Specification AA-2950A (Supercede CCCA680a)
- NFPA 701, Small Scale Test
- NFPA 260 A, Class 1
- Boston Fire Code (BFD IX-1)
- Designed to pass FAA 25.853
- Contact our Sales Representative for details
- Port Authority of NY & NJ
- California Fire Regulation (Bulletin 117-Section E)
- Motor Vehicle Safety Standard No. 302
- UFAC Class 1
- BIFMA

*NOTE: Terms and corresponding data refer to performance in the specific test indicated and should not be construed to imply the behavior of this or any other material under actual fire conditions.

TECHNICAL DATA

- Width: 54 inches
- Weight: 40 ounces per linear yard
- Roll Length: 30 yards
- Sulfide stain resistant
- Oil resistant
- -20 degree F. cold crack
- Abrasion Resistance - 100,000 double rubs, Wyzenbeek ASTM 04157
- Anti static slip finish
- Ultraviolet resistant
- Mildew and bacteria resistant (ASTM G21-70 & G22-76)
- Heat sealable
- Excellent cleanability
- Excellent seam strength

ADDITIONAL INFORMATION AND CLEANING INSTRUCTIONS:

PREMIER is specially formulated to resist the following bacteria, and many others, when tested using the AATC method 147-1986: *Aspergillus Niger*; *Penicillium Pinophilum*; *Chaetomium Globosum*; *Aureobasidium Pullulans*; *Trichoderma sp.*; *Pseudomonas Aeruginosa*; *Staphylococcus Aureus*; and *Klebsiella Pneumoniae*.

Cleaning Instructions: Ordinary dirt and stains can be removed with mild soap and water. Rinse the cleaned area with clear water and dry with a soft, lint free cloth. As with all stains, prompt cleaning is recommended. PREMIER will resist, without serious discoloration, the repeated action of normal dilutions of chlorine bleaches or ammonia based cleaners used for sterilization and cleaning in medical environments.

ORDERS

When placing orders please indicate:

- 1) Grade - Premium Grade Expanded
- 2) Pattern Name - Premier
- 3) Pattern Number - BA 636
- 4) Color Name and Number



Illinois Fibre Specialty Co., Inc.

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CHICAGO, ILLINOIS 60609

VINYL
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