



AIRBUS HELICOPTERS CANADA LIMITED

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



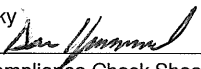

SUBJECT:

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.

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PURPOSE OTHER THAN ITS ORIGINALLY INTENDED PURPOSE, OR TO EVALUATE ITS CONTENTS.

	NAME AND SIGNATURE	DATE	COMPANY DEPARTMENT
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REV. 4 ACCEPTED (Civil A/W Authority)	(As per ICA Compliance Check Sheet)	MAR 21 2018	TCCA
REV. 4 RELEASED BY:	P. Sharpe 	MAR 21 2018	AHCA ENGINEERING

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 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)	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 velcro hook and loop.

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. Velcro loop on the back of the rear back cushion secures the cushion to the existing velcro hook 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. Velcro loop on the back of the double rear seat cushion secures the cushion to the existing velcro hook on the back wall.

The cushion security straps and velcro hook and loop 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 Velcro. The rear bottom cushions are secured to the seat frame using velcro hook and loop.

Refer to Figure 1 for General Layout.

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

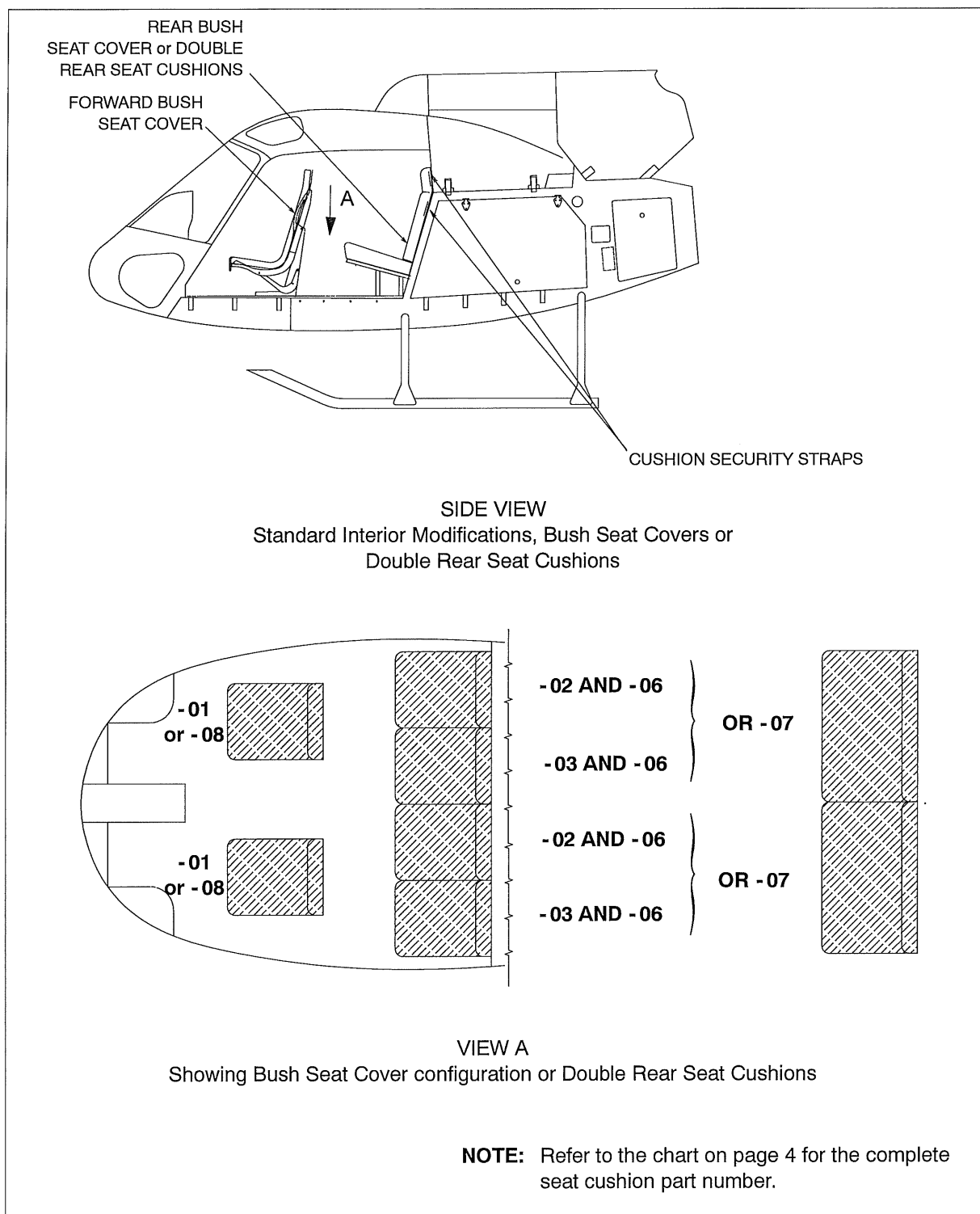
1. GENERAL (continued)


Figure 1 General Layout

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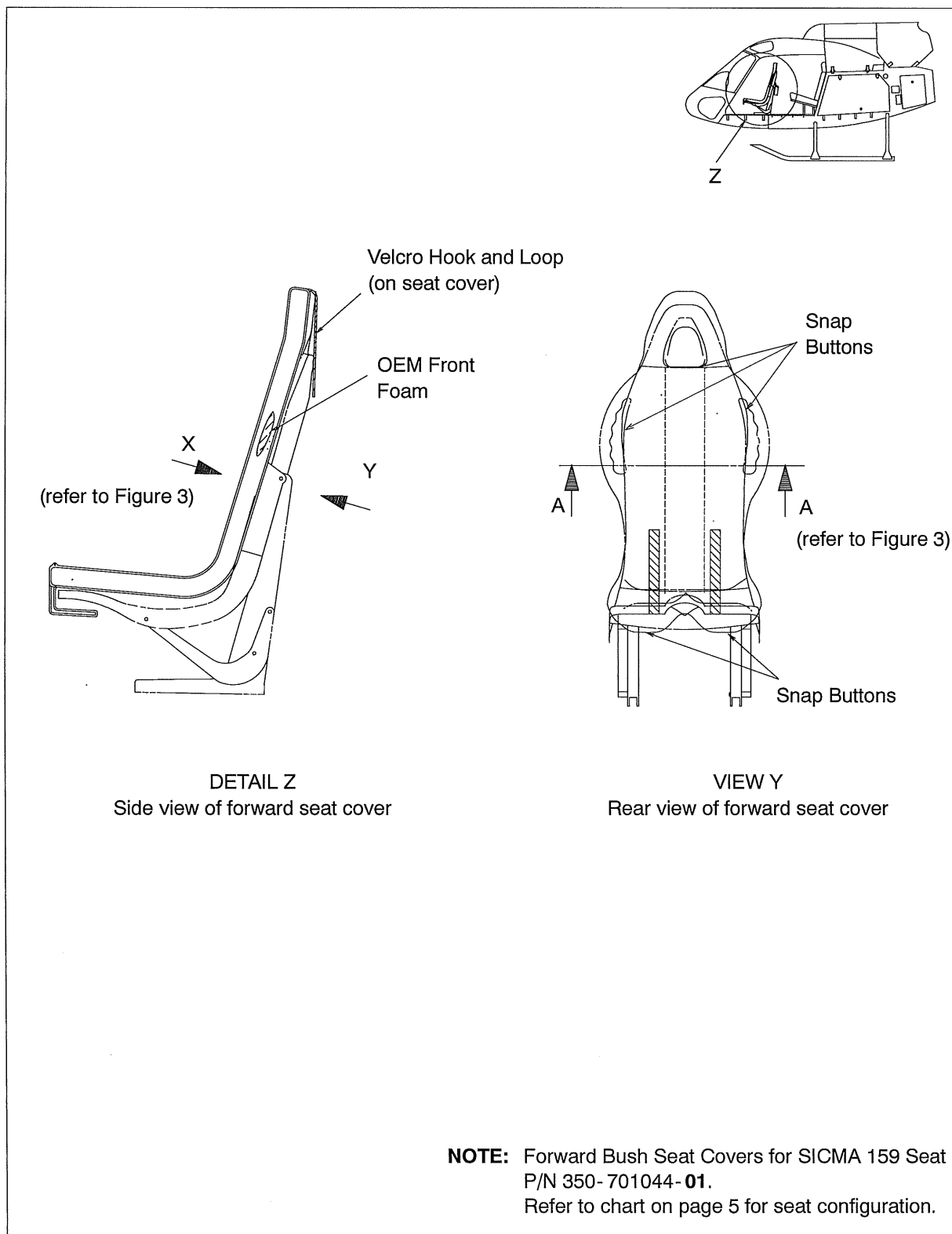


Figure 2 Forward Bush Seat Cover Details for SICMA 159 Series Seat

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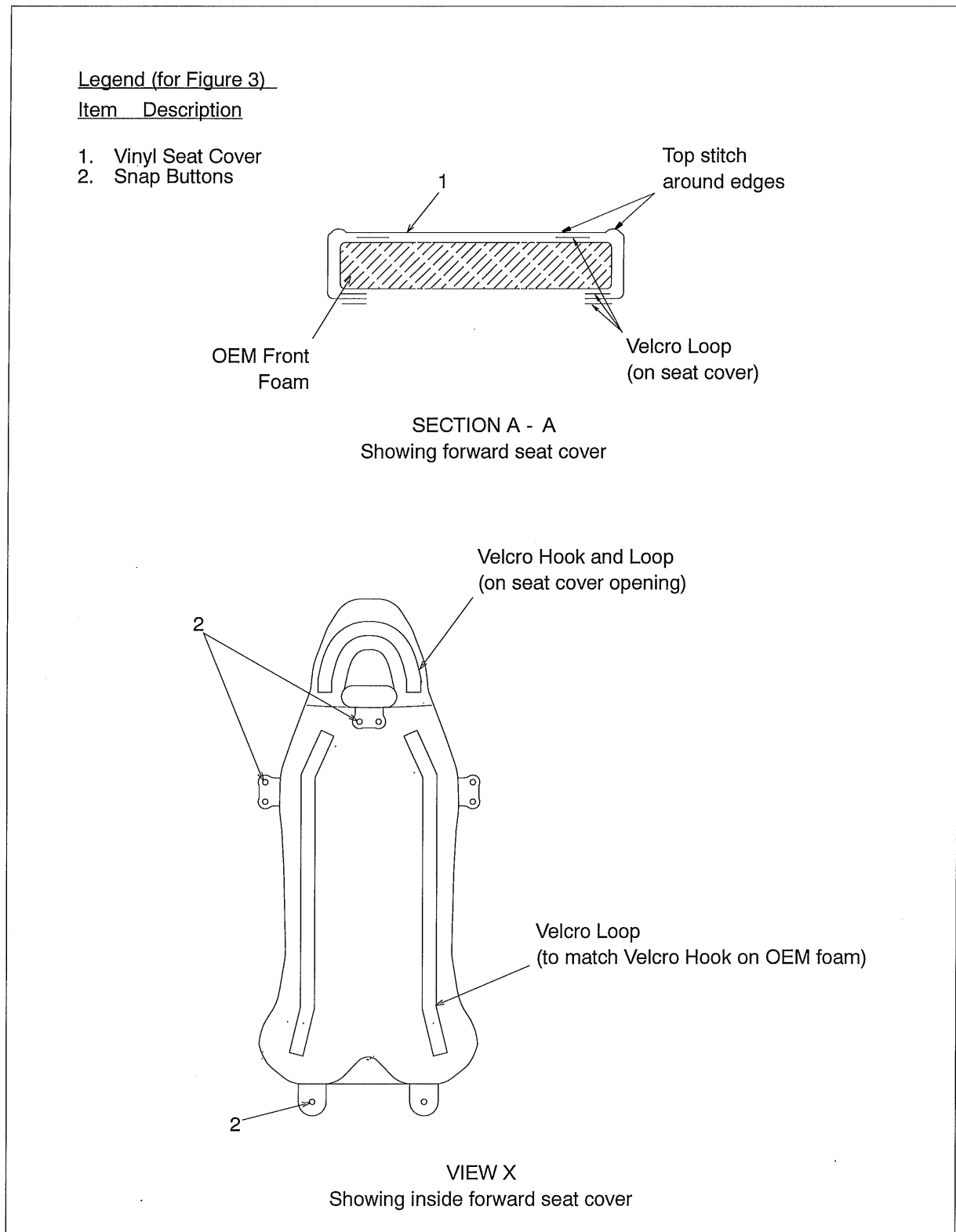


Figure 3 Forward Bush Seat Cover Details for SICMA 159 Series Seat (continued)

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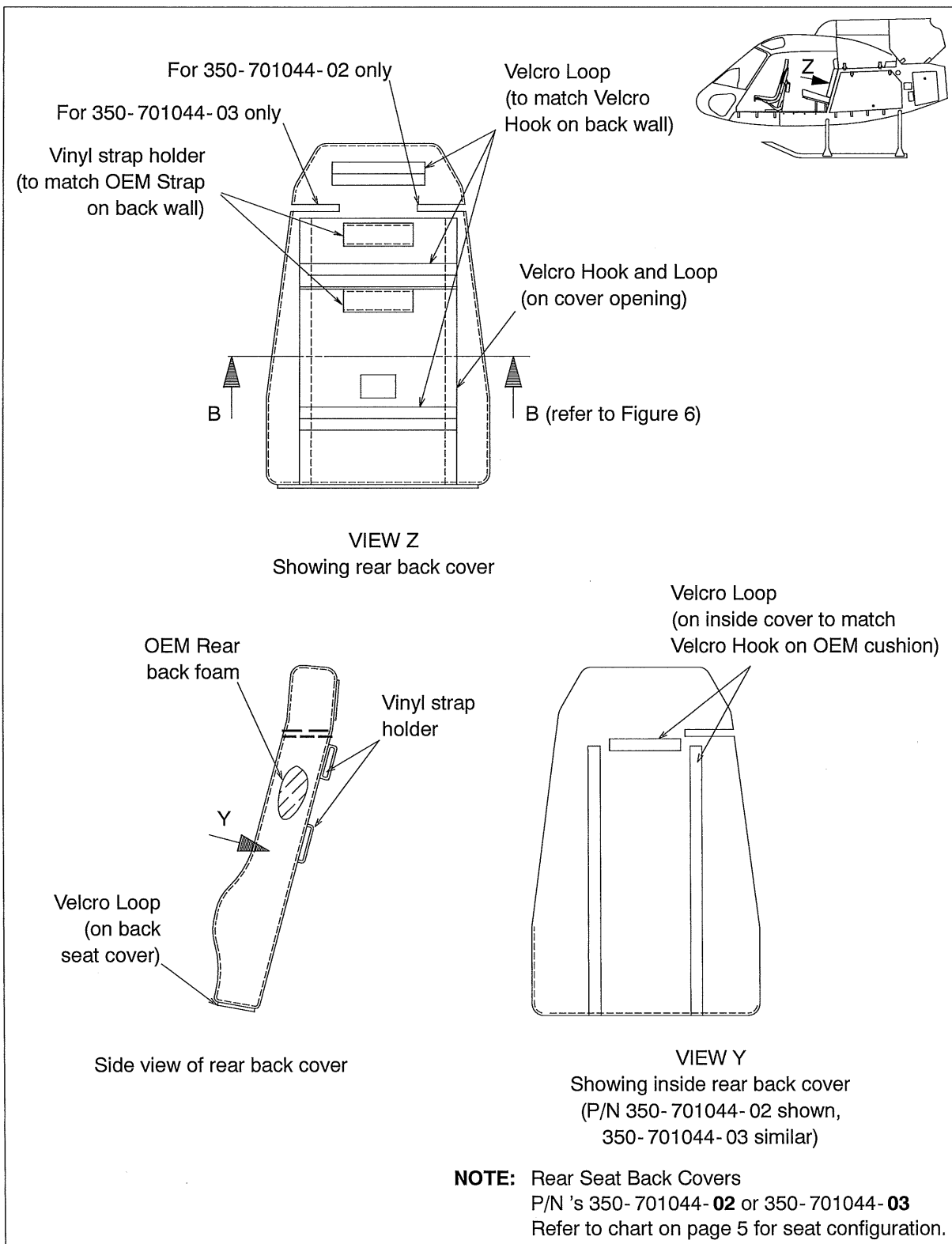


Figure 4 Rear Bush Seat Cover Details

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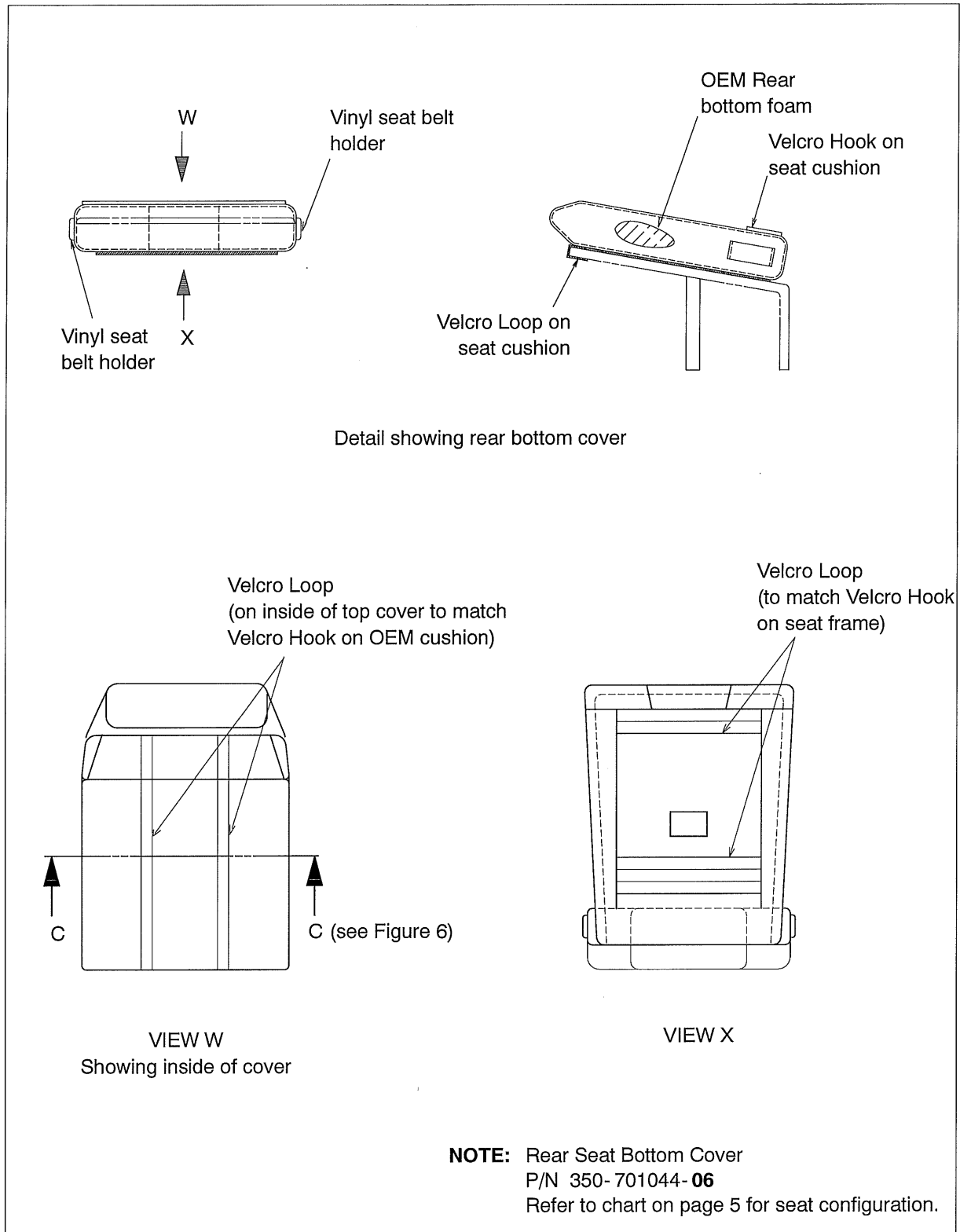
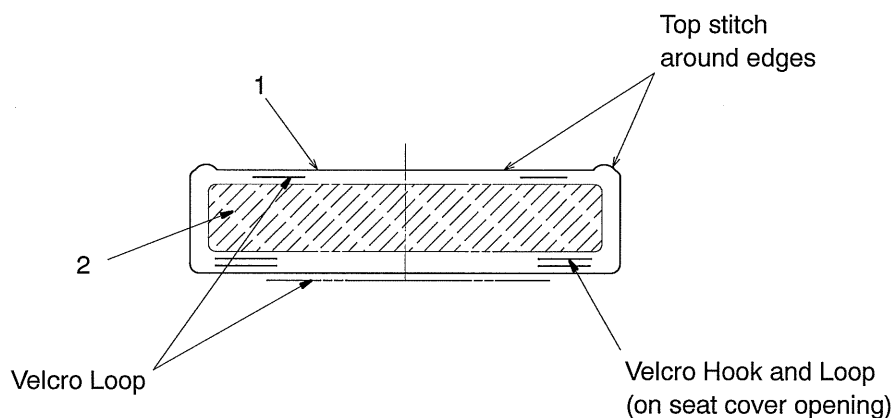


Figure 5 Rear Bush Seat Cover Details (continued)

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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)

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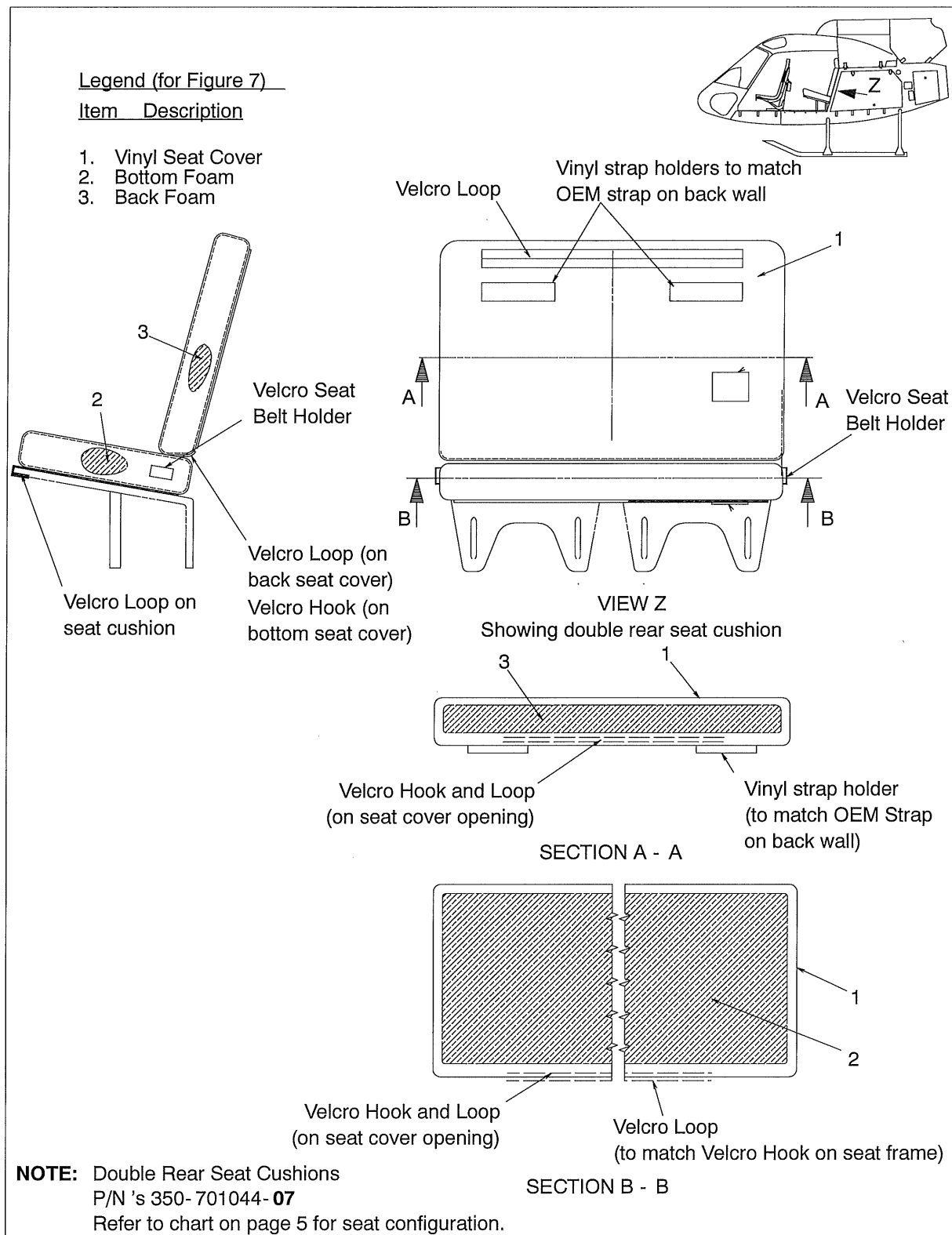
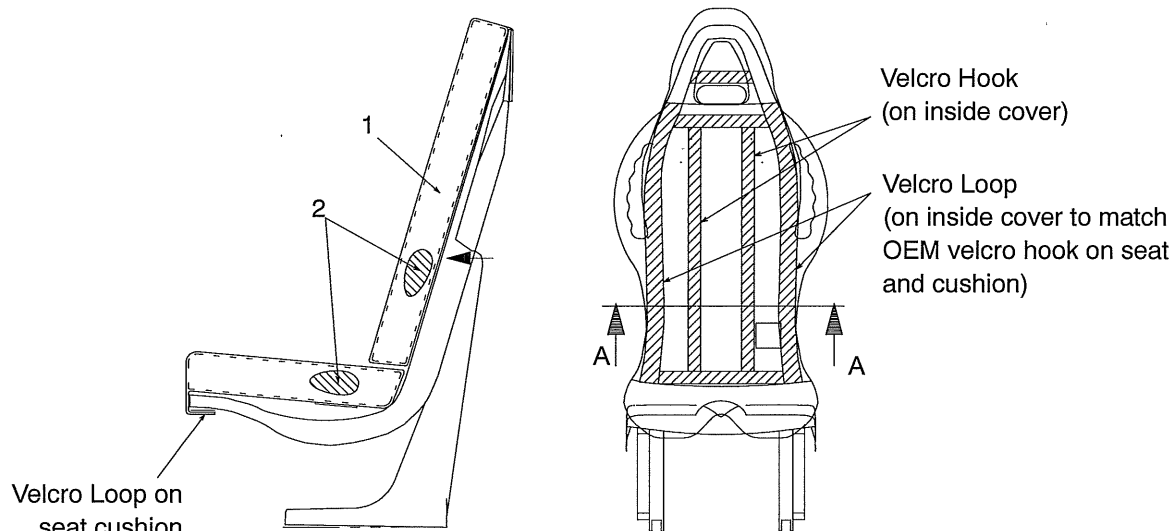
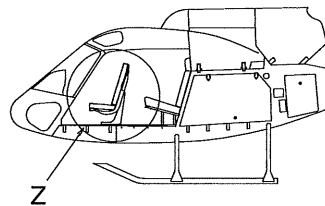


Figure 7 Double Rear Seat Cushion Details

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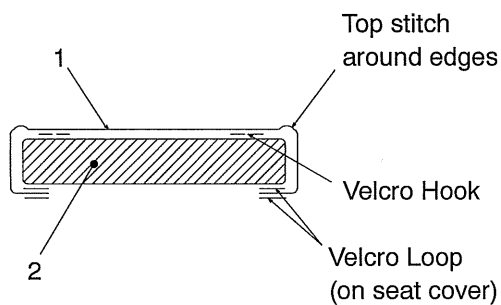
Legend (for Figure 8)
Item Description

1. Vinyl Seat Cover
2. OEM Foam



DETAIL Z

Side view of forward seat cover



SECTION A - A

NOTE: Forward Seat Covers for SICMA 198 Seat
 P/N 350-701044-08
 Refer to chart on page 5 for seat configuration.

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

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C. REFERENCES

DOCUMENT	DOCUMENT TITLE
MTC (All aircraft)	Standard Practices Manual

D. ABBREVIATIONS & DEFINITIONS

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

E. UNITS OF MEASUREMENT

ABBREVIATION / SYMBOL	UNIT OF MEASUREMENT
kg	kilogram
lb	pound
m	meter
in	inch
\$\$	Sections
D	Days
FH	Flight Hours
M	Months

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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. ■

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

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

No Airworthiness Limitations associated with this installation.

AIRBUS HELICOPTERS CANADA LIMITED
3. CONTROL AND OPERATION

Control and operation of the aircraft remains unchanged.

4. INSPECTION SCHEDULE AND MAINTENANCE ACTION

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

4.1. INSPECTION SCHEDULE

4.1.1. Every 150 FH or 12 M (Margin: 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 B.
E	- Visually inspect velcro hook and loop 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 to coincide with the 150 FH or 12 M helicopter inspection, whichever occurs first

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5. REPLACEMENT COMPONENTS AND REPAIR / OVERHAUL INFORMATION

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

For replacement components contact:

Airbus Helicopters Canada Limited
1100 Gilmore Road, P.O. Box 250
Fort Erie, Ontario L2A 5M9 Canada
Telephone: (905) 871-7777

www.airbushelicopters.ca

6. TROUBLESHOOTING

There are no unique characteristics which require troubleshooting techniques.

7. SPECIAL TOOLING

No special test equipment or tools are 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)**

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

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

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

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

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

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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 velcro.
- c) Place OEM cushion into cover and once fitted into place, quickly remove the plastic sheet. Press velcro hook and loop until secure.
- d) Reposition seat cushion onto seat frame and secure using velcro hook and loop 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 velcro hook on OEM foam with velcro loop inside cushion cover and secure.
- c) Close cover opening and secure using velcro hook and loop.
- d) Reposition rear bottom seat cushion onto rear seat frame and secure using velcro hook and loop.

BACK COVER

- a) Open out seat cover on a flat surface.
- b) Align velcro hook on OEM foam with velcro loop inside cushion cover and secure.
- c) Close cover opening and secure using velcro hook and loop.
- 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 velcro loop on cushion cover with velcro hook on cabin back wall and seat frame.
- e) Ensure the velcro loop from the back cushion cover is secured to velcro hook 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 velcro hook and loop.
- 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 velcro loop on cushion cover with velcro hook on cabin back wall and seat frame.
- c) Ensure the velcro loop from the back cushion cover is secured to velcro hook on the bottom cushion cover where both cushions meet.

AIRBUS HELICOPTERS CANADA LIMITED
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	- 3.1	1.57	61.8	- 2.20	- 191.6
Standard Rear Seat Covers (4 seats)	- 4.20	- 9.3	2.50	98.4	14.90	- 915.1
Total	- 5.60	- 12.4	2.27	89.3	12.70	- 1106.7

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	5.8	1.57	61.8	4.14	358.4
Rear Seat Back and Bottom Covers (4 seats)	5.96	13.1	2.50	98.4	14.90	1289.0
Total	8.60	18.9	2.21	87.9	19.04	1647.5

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9. WEIGHT AND BALANCE DATA (continued)

Refer to chart 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	- 3.1	1.57	61.8	- 2.20	- 191.6
Standard Rear Seat Cushions (4 seats)	- 12.64	- 27.9	2.50	98.4	- 31.60	- 2745.4
Total	- 14.04	- 31.0	2.41	94.7	- 33.80	- 2936.9

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	5.8	1.57	61.8	4.14	358.4
Double Rear Seat Cushions (2 double sets)	12.64	27.9	2.50	98.4	31.60	2745.4
Total	15.28	33.7	2.34	92.1	35.74	3103.8

10. PLACARDS AND MARKINGS

There are no placards and markings with this installation.

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TEXHYDE

Leather Look with Textile Softness

PREMIER

PREMIER has been developed to meet the highest standards of impact, abrasion, and environmental wear. 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
- restaurants
- bars/nightclubs
- hair salons
- living room
- casual dining

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

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

Contact our Sales Representative for details

*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

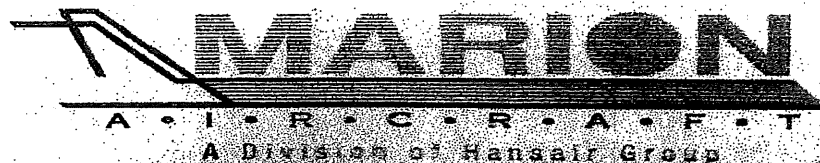
ADDITIONAL INFORMATION AND CLEANING INSTRUCTIONS:

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



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