A Textron Company

TECHNICAL BULLETIN 429-18-57

27 September 2018

MODEL AFFECTED: **429**

SUBJECT: **18.5 INCH PASSENGER SEAT RETROFIT FOR AIRLINE CONFIGURATION INSTALLATION, INTRODUCTION OF.**

HELICOPTERS AFFECTED: **Serial numbers 57001 through 57288, 57290 through 57300, 57302 through 57307 and 57309.**

[Serial number 57289, 57301, 57308, 57310 and subsequent will have the intent of this bulletin accomplished prior to delivery.

COMPLIANCE: At customer's option.

DESCRIPTION:

The purpose of this Technical Bulletin is to introduce new shorter length restraint systems for seats 19610-00-BC (18.5 inches (47.0 cm) wide and seats 19600-00-BC (15.5 inches (39.4 cm) wide passenger seats. The new restraint system will allow operators to install the 19670-00-BC seats in a forward-facing position when located on the forward row. The new restraint system also allows operators to install seats 19660-00-BC at buttock line 19 inches forward facing (airline) configuration or at buttock line 18 inches aft facing (club) configuration when located on the forward row. This will allow for additional space between the seats.

Applicability of this bulletin to any spare part shall be determined prior to its installation on an affected helicopter.

Approved for public release.

APPROVAL:

The engineering design aspects of this bulletin are Transport Canada Civil Aviation (TCCA) approved.

CONTACT INFO:

For any questions regarding this bulletin, please contact:

Bell Product Support Engineering - Intermediate Helicopters
Tel: 450-437-2077 / 1-800-463-3036 / pseinter@bellflight.com

MANPOWER:

Approximately 1 man-hour per seat is required to complete this bulletin. This estimate is based on hands-on time and may vary with personnel and facilities available.

WARRANTY:

There is no warranty credit applicable for parts or labor associated with this bulletin.

MATERIAL:

Required Material:
The following material is required for the accomplishment of this bulletin.

Part Number	Nomenclature	Qty (Note)
F0536032	Kit SB196-25-005 (18.5 seat)	A/R (1)
F0539095	Kit SB196-25-005 (15.5 seat)	A/R (1)

NOTE 1: For cost and availability, please refer to information in section G (Material) of the Zodiac Aerospace Service Bulletin SB 196-255-005

Consumable Material:

None required.

SPECIAL TOOLS:

None required.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-429-IPB, Illustrated Parts Breakdown
BHT-429-MM, Maintenance Manual
BHT-429-II-30, Passenger seat Installation Instruction
Zodiac Aerospace Service Bulletin SB 196-255-005

PUBLICATIONS AFFECTED:

BHT-429-IPB, Illustrated Parts Breakdown
BHT-429-II-30, Passenger seat Installation Instruction

ACCOMPLISHMENT INSTRUCTIONS:

-NOTE-

This procedure is for the Zodiac seats 19610-00-BC (18.5inch (47.0 cm) wide), equipped with 4-point restraints or the 19600-00-BC seats (15.5 inch (39.4 cm) wide), which are part of the Bell kits 429-706-010-103 and 429-706-010-117.

1. Prepare helicopter for maintenance.
2. Gain access to the passenger cabin area and remove the passenger seats (BHT-429-MM-1, Chapter 25).
3. Place the seat on a suitable work bench.
4. Unhook the Velcro from the three lower flaps along the bottom of the seat back cover (Figure 1).
5. Unhook the Velcro from the lower front flap on the seat back cover under the bottom cushion.
6. Slide up the bottom of the seat back cover to access the restraint reel and fold up the cushion pad to access the retaining screw (Figure 2).
7. Pull the seat belt through the headrest openings and the back cover.
8. Accomplish the Zodiac Aerospace Service Bulletin SB 196-255-005.

9. Feed the new seat belt under the back cover and out through the headrest openings.

10. Reposition the cushion pad and slide down the seat back cover over the seat.

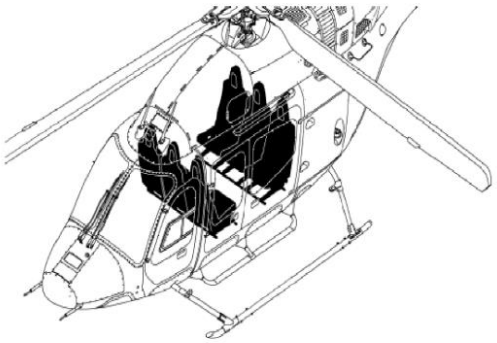
11. Fasten the Velcro on the lower front flap of the seat back cover to the bottom cushion Velcro.

12. Fasten the Velcro on the three lower flaps to the Velcro of the bottom the seat back cover (Figure 1).

13. Install the passenger seats (BHT-429-MM-1, Chapter 25 and BHT-429-II-30).

14. Perform subtask 25-00-93-750-001-A00 (BHT-429-CMM, Vendor Data, Chapter 25).

15. Make an entry in the helicopter logbook and historical service records indicating compliance with this Technical Bulletin.



Seat removed

Unhook the Velcro from the three lower flaps along the bottom of the seat back cover.

Unhook the Velcro from the lower front flap on the seat back cover under the bottom cushion.

Figure 1 - Seat Cover Removal Instructions

Seat shown with seat cover positioned to clear the restraint

Seat shown with cushion pad pulled away to expose the retaining screw.

Figure 2 - Access to Restraint System. (Page 1 of 2)

Feed the seat belt through the headrest openings.

Difference in length between both restraint systems.

Figure 2 -Access to Restraint System. (Page 2 of 2)

ZODIAC AEROSPACE

ZODIAC SEATS FRANCE

CAGE CODE : F0465

ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE PROPRIETARY

SERVICE BULLETIN

N° SB 196-25-005

ATA system: 25

PASSENGER SEAT

196 SERIES

RESTRAINT SYSTEM ASSY. REPLACEMENT

C. DARNET	A. PYRAULT	J. DHERMAND	H. LAUDREN
Technical Pub Writer	Product Support Eng.	Product Mgr.	Airworthiness Mgr.
Zodiac Aerospace Services	Zodiac Aerospace Services		

The information and instruction in this document pertain to TSO C127a, reference DKIvkJ01/23/04:0006-04_supersedure, and have been prepared in accordance with alternative procedures to APDOA N° EASA AP061.

ISSUE: 1 OF 12/01/2018 **SB No.:** 196-25-005

DATE: 13/11/2017 **PAGE:** 1 / 11

Form SAV025-01/09 R2
"This document and its information are the property of SICMA AERO SEAT they are confidential. Use is limited to the intend contemplated herein. Disclosure is forbidden without SICMA AERO SEAT prior written consent"

RUE ROBERT MARECHAL SENIOR B.P. 69 36100 ISSOUDUN, FRANCE TELEPHONE : 33 (0) 2 54 03 39 39 TELEFAX : 33 (0) 2 54 03 39 00

ZODIAC SEATS FRANCE

CAGE CODE : F0465

SERVICE BULLETIN

ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE PROPRIETARY

INDEX OF REVISION

Revision	Date	Description of revision
0	13/11/2017	First issue
1	12/01/2018	Kit SB196-25-005 P/N F0539095, Figure and label replacement added

Form SAV025-01/09 R2
"This document and its information are the property of SICMA AERO SEAT they are confidential. Use is limited to the intent contemplated herein. Disclosure is forbidden without SICMA AERO SEAT prior written consent"

RUE ROBERT MARECHAL SENIOR B.P. 69 36100 ISSOUDUN, FRANCE TELEPHONE : 33 (0) 2 54 03 39 39 TELEFAX : 33 (0) 2 54 03 39 00

ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE PROPRIETARY

1/ PLANNING INFORMATION

A - EFFECTIVITY

This Service Bulletin is applicable to **Zodiac Seats France passenger Seats 196 Series** as follows:

P/N 19600-00	P/N 19641-00
P/N 19610-00	P/N 19642-00
P/N 19613-00	P/N 19600-00-BC
P/N 19620-00	P/N 19610-00-BC
P/N 19623-00	P/N 19613-00-BC

B - REASON

Following customer request, the purpose of this Service Bulletin is to provide the procedure to install new restraint system assy.

C - DESCRIPTION

The accomplishment instructions of this document describe the procedure to:

- Remove the existing restraint system assy.
- Install the new restraint system assy.

The application of this Service Bulletin involves the seat identification change (see § IDENTIFICATION).

The application of this Service Bulletin involves the addition of the modification placard P/N 00-6414 indicating that this Service Bulletin has been completed (see § IDENTIFICATION of this S/B).

D - COMPLIANCE

The application of this Service Bulletin is **optional.**

E - APPROVAL

The technical content of this Service Bulletin has been approved on behalf of EASA under the authority of ADOA ref. AP061.

F - MANPOWER

Estimated time: 30 min per seat

Form SAV025-01/09 R2
"This document and its information are the property of SICMA AERO SEAT they are confidential. Use is limited to the intent contemplated herein. Disclosure is forbidden without SICMA AERO SEAT prior written consent"

RUE ROBERT MARECHAL SENIOR B.P. 69 36100 ISSOUDUN, FRANCE TELEPHONE : 33 (0) 2 54 03 39 39 TELEFAX : 33 (0) 2 54 03 39 00

ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE PROPRIETARY

G - MATERIAL – Cost and availability

The necessary parts will be supplied by:

ZODIAC AEROSPACE SERVICES EUROPE
61, Rue Pierre Curie
CS20001
78373 Plaisir Cedex – France
Phone: 33 (0) 1 61 34 23 23
Fax: 33 (0) 1 61 34 21 13
http://www.services.zodiacaerospace.com

ZODIAC AEROSPACE SERVICES AMERICAS
101 World Dr
Peachtree City, GA 30269
USA
Tel: 1 678 228 8153
Fax: 1 404 559 0041
http://www.services.zodiacaerospace.com

ZODIAC AEROSPACE SERVICES ASIA
36 Loyang Drive
SINGAPORE 508949
Tel: (65) 6579 2230
Fax: (65) 6579 2231
http://www.services.zodiacaerospace.com

ZODIAC AEROSPACE SERVICES UK
Unit 610, Avenue West, Skyline 120
Braintree – CM77 7AA
ENGLAND
Phone: (44) 1376 329 194
Fax: (44) 1376 340 734
http://www.services.zodiacaerospace.com

ZODIAC SEATS SERVICES MIDDLE EAST
Dubai South Logistics District
Plot: WB 14 & WB 15 - Gate 1
DUBAI - UNITED ARAB EMIRATES
Phone: (971) 429 966 20
Fax: (971) 429 966 19
http://www.services.zodiacaerospace.com

Form SAV025-01/09 R2
"This document and its information are the property of SICMA AERO SEAT they are confidential. Use is limited to the intent contemplated herein. Disclosure is forbidden without SICMA AERO SEAT prior written consent"

RUE ROBERT MARECHAL SENIOR B.P. 69 36100 ISSOUDUN, FRANCE TELEPHONE : 33 (0) 2 54 03 39 39 TELEFAX : 33 (0) 2 54 03 39 00

ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE PROPRIETARY

H - TOOLING and MATERIAL – Cost and availability

Standard tools are sufficient for this procedure

I - WEIGHT and BALANCE

Not affected

J - ELECTRICAL DATA

Not affected

K - REFERENCES

T196_EDS_FD9042165 rev A
DDP-08-01-T196 rev. 6

L - OTHER PUBLICATIONS AFFECTED

CMM 25-00-93

Form SAV025-01/09 R2
"This document and its information are the property of SICMA AERO SEAT they are confidential. Use is limited to the intent contemplated herein. Disclosure is forbidden without SICMA AERO SEAT prior written consent"

RUE ROBERT MARECHAL SENIOR B.P. 69 36100 ISSOUDUN, FRANCE TELEPHONE : 33 (0) 2 54 03 39 39 TELEFAX : 33 (0) 2 54 03 39 00

ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE PROPRIETARY

2/ ACCOMPLISHMENT INSTRUCTIONS

A - Modification of the passenger seats:

1/ Remove the existing restraint system assy. P/N 4147-1-031-2396 as follows:

- Loosen screw (Fig.1, view B, item 70).
- Remove washer (Fig.1, view B, item 60).
- Remove nut (Fig.1, view B, item 30) and washer (Fig.1, view B, item 40).
- Remove restraint system (Fig.1, view B, item 10) from the bucket assy.
- Remove nut (Fig.1, view A, item 30) on each side of the seat.
- Remove washer (Fig.1, view A, item 40) on each side of the seat.

  NOTE: The washers (Fig.1, view A, item 50A) should not be removed on each side of the seat.
- Separate lateral belt (Fig.1, view A, item 10) from the buckling rod (Fig.1, view A, item 20) on each side of the seat.

2/ Install the new restraint system assy. P/N 4147-1-071-2396 as follows:

- Install restraint system (Fig.1, view B, item 10) on bucket assy.
- Secure with screw (Fig.1, view B, item 70), spacer (Fig.1, view B, item 60) washer (Fig.1, view B, item 40), and nut (Fig.1, view B, item 30).
- Attach lateral belts (Fig.1, view A, item 10) on buckling rod (Fig.1, view A, item 20) on each side of the seat.
- Secure with washer (Fig.1, view A, item 40) and nut (Fig.1, view A, item 30) on each side of the seat.
- Only for seats 196600-00 and 19660-00-BC: remove the existing label P/N F380793 and replace it by label P/N F0538807 (see Figure 2).

Form SAV025-01/09 R2
"This document and its information are the property of SICMA AERO SEAT they are confidential. Use is limited to the intent contemplated herein. Disclosure is forbidden without SICMA AERO SEAT prior written consent"

RUE ROBERT MARECHAL SENIOR B.P. 69 36100 ISSOUDUN, FRANCE TELEPHONE : 33 (0) 2 54 03 39 39 TELEFAX : 33 (0) 2 54 03 39 00

ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE PROPRIETARY

B - IDENTIFICATION (Figure 3)

1/ Replace the existing identification placard on each modified seat, with a new one P/N 00-5008 (Fig.3) with the correct P/N:

Old Part Number		New Part Number
19600-00	**Becomes**	19660-00
19610-00	**Becomes**	19670-00
19613-00	**Becomes**	19673-00
19620-00	**Becomes**	19680-00
19623-00	**Becomes**	19683-00
19641-00	**Becomes**	19691-00
19642-00	**Becomes**	19692-00
19600-00-BC	**Becomes**	19660-00-BC
19610-00-BC	**Becomes**	19670-00-BC
19613-00-BC	**Becomes**	19673-00-BC

2/ Add (or replace after transferring all the previous applied Service Bulletin or Amendment) a modification placard P/N 00-6414 (or equivalent) on each modified seat to indicate that the Service Bulletin **SB196-25-005** has been completed (use an indelible marker).

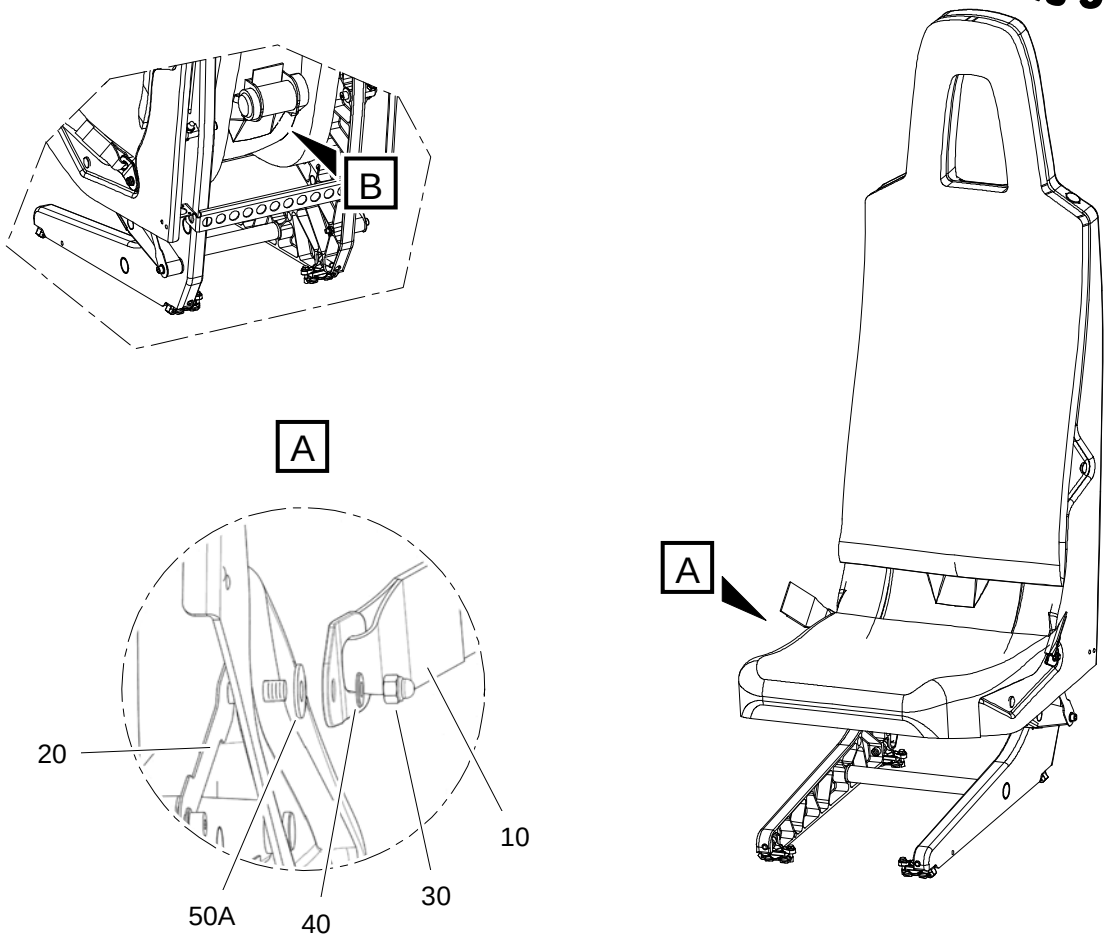
NOTE: Stick the transparent plastic film P/N PDFILMPP100X65 on placard in order to protect it.

NOTE: The placard P/N 00-6414 should be installed near the existing seat identification placard.

Form SAV025-01/09 R2
"This document and its information are the property of SICMA AERO SEAT they are confidential. Use is limited to the intent contemplated herein. Disclosure is forbidden without SICMA AERO SEAT prior written consent"

RUE ROBERT MARECHAL SENIOR B.P. 69 36100 ISSOUDUN, FRANCE TELEPHONE : 33 (0) 2 54 03 39 39 TELEFAX : 33 (0) 2 54 03 39 00

ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE PROPRIETARY



- FIGURE 1 -

Form SAV025-01/09 R2

"This document and its information are the property of SICMA AERO SEAT they are confidential. Use is limited to the intent contemplated herein. Disclosure is forbidden without SICMA AERO SEAT prior written consent"

RUE ROBERT MARECHAL SENIOR B.P. 69 36100 ISSOUDUN, FRANCE TELEPHONE : 33 (0) 2 54 03 39 39 TELEFAX : 33 (0) 2 54 03 39 00

ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE PROPRIETARY

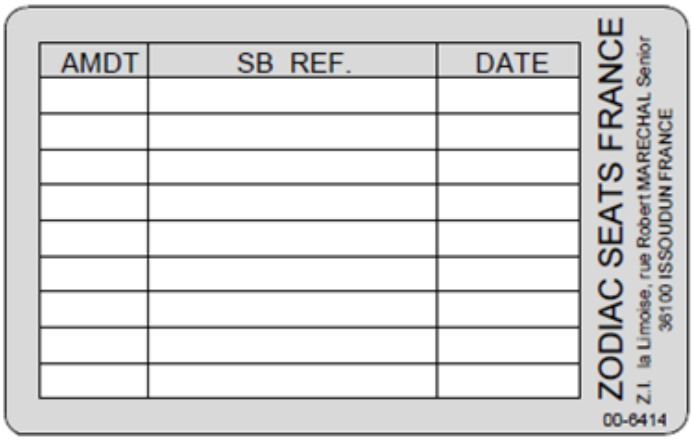
LABEL F380793 TO REPLACED BY LABEL F0538807

- FIGURE 2 -

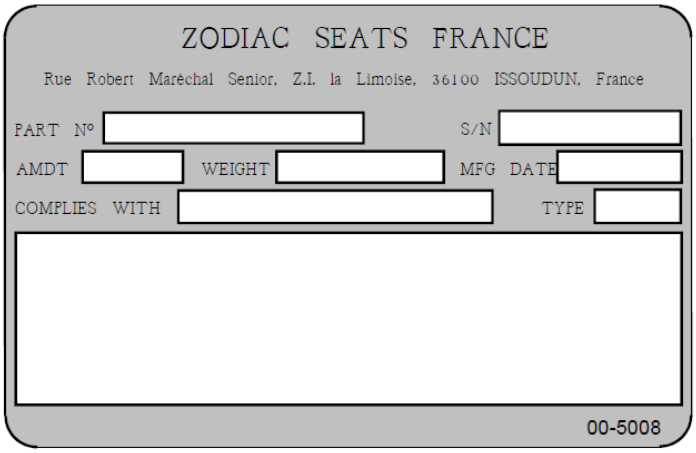
Form SAV025-01/09 R2
"This document and its information are the property of SICMA AERO SEAT they are confidential. Use is limited to the intent contemplated herein. Disclosure is forbidden without SICMA AERO SEAT prior written consent"

RUE ROBERT MARECHAL SENIOR B.P. 69 36100 ISSOUDUN, FRANCE TELEPHONE : 33 (0) 2 54 03 39 39 TELEFAX : 33 (0) 2 54 03 39 00

ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE PROPRIETARY



Modification Placard P/N 00-6414



Identification Placard P/N 00-5008

- FIGURE 3 -

Form SAV025-01/09 R2
"This document and its information are the property of SICMA AERO SEAT they are confidential. Use is limited to the intent contemplated herein. Disclosure is forbidden without SICMA AERO SEAT prior written consent"

RUE ROBERT MARECHAL SENIOR B.P. 69 36100 ISSOUDUN, FRANCE TELEPHONE : 33 (0) 2 54 03 39 39 TELEFAX : 33 (0) 2 54 03 39 00

ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE - ZODIAC SEATS FRANCE PROPRIETARY

3/ MATERIAL INFORMATION

1. Parts required to modify 196600-00 and 19660-00-BC Seats:

Kit SB196-25-005 with label P/N F0539095 composed of following components:			
Part Number	**Description**	**Qty**	**Fig., Item**
4147-1-071-2396	RESTRAINT SYSTEM ASSY.	1	Fig.1, Item 10
ECF52NTE048	NUT	3	Fig.1, Item 30
R0MU6	WASHER	3	Fig.1, Item 40
VIAN525416R10	SCREW AN525-416R10	1	Fig.1, Item 70
192001-06-0	WASHER	1	Fig.1, Item 60
F0538807	LABEL	2	Fig.2
00-5008	IDENTIFICATION PLACARD	1	Fig.3
00-6414	MODIFICATION PLACARD	1	Fig.3
PDFILMPP100X65	TRANSPARENT PLASTIC FILM	2	-
P/N	**Description**	**Qty**	**Price**
F0539095	**Kit SB196-25-005 WITH LABEL**	**1**	**On request**

2. Parts required to modify other Seats:

Kit SB196-25-005 P/N F0536032 composed of following components:			
Part Number	**Description**	**Qty**	**Fig., Item**
4147-1-071-2396	RESTRAINT SYSTEM ASSY.	1	Fig.1, Item 10
ECF52NTE048	NUT	3	Fig.1, Item 30
R0MU6	WASHER	3	Fig.1, Item 40
VIAN525416R10	SCREW AN525-416R10	1	Fig.1, Item 70
192001-06-0	WASHER	1	Fig.1, Item 60
00-5008	IDENTIFICATION PLACARD	1	Fig.3
00-6414	MODIFICATION PLACARD	1	Fig.3
PDFILMPP100X65	TRANSPARENT PLASTIC FILM	2	-
P/N	**Description**	**Qty**	**Price**
F0536032	**Kit SB196-25-005**	**1**	**On request**

3. Part interchangeability information:

Not affected

Form SAV025-01/09 R2
"This document and its information are the property of SICMA AERO SEAT they are confidential. Use is limited to the intent contemplated herein. Disclosure is forbidden without SICMA AERO SEAT prior written consent"

RUE ROBERT MARECHAL SENIOR B.P. 69 36100 ISSOUDUN, FRANCE TELEPHONE : 33 (0) 2 54 03 39 39 TELEFAX : 33 (0) 2 54 03 39 00