

This summary is for information only and
is not D.G.A.C. approved for modification of the aircraft

MODIFICATION NO: 20837K1857

ATA SYSTEM: 21

**T I T L E : AIR-CONDITIONING - TRIM AIR PRESSURE REGULATING VALVE - INSTALL
COLOR MARKINGS**

REASON/DESCRIPTION/OPERATIONAL
CONSEQUENCES

In-service experience has shown that the electrical connectors 14HK-A and 14HK-C of the Trim-Air Pressure-Regulating Valve could be mixed up by mishandling although the connectors are different in type.

This leads to damaged pins in the sockets of the Trim-Air Pressure-Regulating Valve (TAPRV) which results in malfunction of the system. To clearly identify the connections and to avoid an unscheduled replacement of the valve, it is recommended to mark the connectors and the sockets with colored sleeves.

EFFECTIVITY

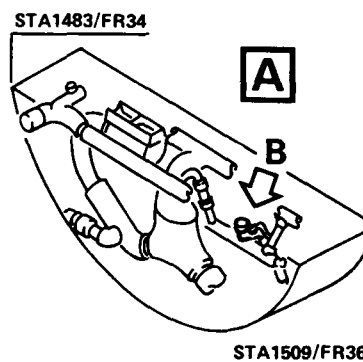
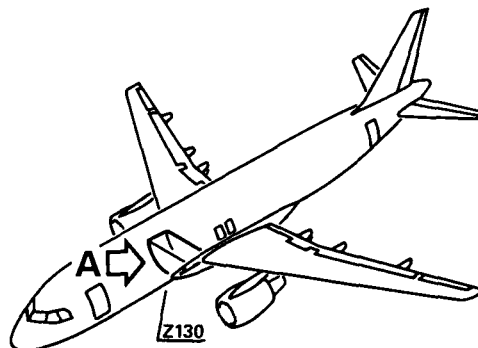
This Service Bulletin is applicable to the following operators:

AAA, ACA, ADR, AFR, BAW, BNF, CYP, DLH, IAC, ITF, NWA, RJA and XP.

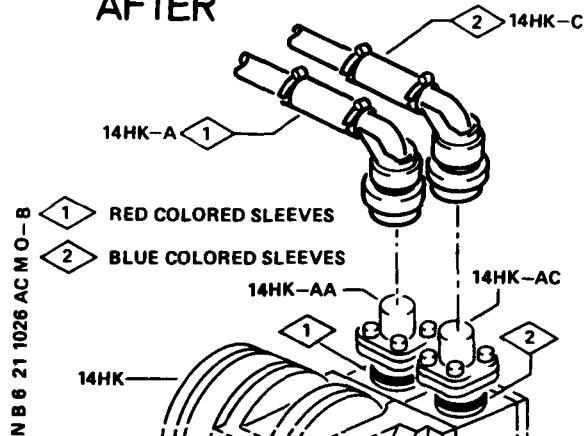
This modification is embodied, prior to delivery, on A/C MSN 092 and subsequent.

SERVICE BULLETIN/MODIFICATION TO BE
ACCOMPLISHED PREVIOUSLY OR
SIMULTANEOUSLY

None



B 
AFTER



SERVICE BULLETIN
SUMMARY

REFERENCES/REPERCUSSIONS

TFU No. 21.63.52.02

NATURE OF THE MODIFICATION

Aircraft: Yes
Equipment: No

COMPLIANCE

Desirable

MANPOWER

	Kit No. 211026	
	A01	S01
Manhours:	6.50	1.0
Elapsed time (hours):	2.00	1.0

MATERIAL INFORMATION

Aircraft Data
Sleeves

Equipment Data
None

MODIFICATION NO: 20837K1857

ATA SYSTEM: 21

**T I T L E : AIR-CONDITIONING - TRIM AIR PRESSURE REGULATING VALVE - INSTALL
 COLOR MARKINGS**

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft Models: 320-111, 320-211, 320-231

(2) Aircraft

Customer and Fleet No.	MSN	Qty of Kits
		211026 A01
AAA 001-008	022,023,024,025,026,027,029,030	8
ACA 201-204	059,068,073,084	4
ADR 001	043	1
AFR 001,002	005,007,	
004-008	014,019,020,021,002	7
AFR 031-033	061,062,063	3
BAW 001-007	006,008,011,017,018,039,042	7
BNF 901-913	052,053,054,055,064,065,066,067, 076,077,081,082,091	13
CYP 001-004	028,035,037,038	4
DLH 001-007	069,070,071,072,078,083,086	7
IAC 001-012	045,046,047,048,049,050,051,056, 057,058,074,075	12
IAC 014-016	080,089,090	3
ITF 001-010	010,012,013,015,016,033,036,044, 004,003	10
NWA 301-306	031,032,034,040,041,060	6
RJA 001-002	087,088	2
XP 001	085	1

This modification is embodied, prior to delivery, on A/C MSN 092 and subsequent.

(3) Spares

(a) The following spares may be modified:

Trim-Air Pressure-Regulating Valve, 746A0000-04, with SMK S01.

SERVICE BULLETIN**B. REASON****(1) History**

In-service experience has shown that the electrical connectors 14HK-A and 14HK-C of the Trim-Air Pressure-Regulating Valve could be mixed up by mishandling although the connectors are different in type. This leads to damaged pins in the sockets of the Trim-Air Pressure-Regulating Valve (TAPRV) which results in malfunction of the system.

(2) Objective/Action

To clearly identify the connections and to avoid an unscheduled replacement of the valve, it is recommended to mark the connectors and the sockets with colored sleeves.

(3) Advantages

These colored sleeves will make the identification of the connectors easier.

(4) Accomplishment Timescale

In accordance with operator's maintenance planning.

C. DESCRIPTION

Accomplishment of this Service Bulletin consists of:

AIRCRAFT**Kit No. 211026A01**

- (1) Identifying, with red sleeves, the connector, 14HK-A and the socket, 14HK-AA, of the TAPRV, 14HK, their location is between FR34 and FR36.
- (2) Identifying, with blue sleeves, the connector, 14HK-C and the socket, 14HK-AC, of the TAPRV, 14HK.

BENCH**SMK No. 211026S01**

- (1) Identifying, with a red sleeve, the socket, 14HK-AA, of the TAPRV.
- (2) Identifying, with a blue sleeve, the socket 14HK-AC, of the TAPRV.

SERVICE BULLETIN**D. APPROVAL**

This Service Bulletin is approved by Direction Generale de L'Aviation Civile - France (D.G.A.C.).

E. MANPOWER

This Service Bulletin may be accomplished in the following approximate manhours and elapsed time:

Manhours/aircraft	Kit No. 211026	
	A01	S01
Gain access	2.00	
Modification	1.00	1.00
Test	1.00	
Close-Up	2.50	
Total manhours	6.50	
Elapsed time (hours)	2.00	1.00

NOTE: This Service Bulletin assumes that the aircraft has been placed in a maintenance status. The manhours/elapsed time estimates do not include preparation for the modification, nonproductive elapsed time or administrative functions.

F. MATERIAL - COST AND AVAILABILITY**(1) Material**

Operators with aircraft listed under paragraph 1.A.(2) above should submit a purchase order quoting this Service Bulletin to:

AIRBUS INDUSTRIE
SPARES SUPPORT CENTER
WEG BEIM JAEGER 150
D2000 HAMBURG 63
GERMANY

SERVICE BULLETIN**(2) Cost and availability**

Kit	Cost (US Dollars)	Availability *
211026A01 211026S01	Operator Supplied	

* Calendar days after receipt of order.

NOTE: Sales terms (cost and availability) are evaluated with respect to economic conditions at the issue date of this Service Bulletin.
A discount of ten (10) percent will be accorded to all orders received within a period of 120 days from the original issue date of this Service Bulletin.

G. TOOLING - PRICE AND AVAILABILITY

None

H. WEIGHT AND BALANCE

None

I. REFERENCES

Aircraft Maintenance Manual 06-31-53, 12-34-24, 21-63-00, 25-54-12,
52-30-00

Aircraft Wiring Manual 20-27-11, 20-27-13

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog 21-63-03, 21-63-52

SERVICE BULLETIN**2. ACCOMPLISHMENT INSTRUCTIONS****AIRCRAFT****A. GENERAL****(1) Preparation**

- (a) Electrically ground the aircraft (Refer to AMM 12-34-24, P. Block 201).
- (b) Put the access platform in position at the FWD cargo-compartment door.
- (c) Open the FWD cargo-compartment door (Refer to AMM 52-30-00, P. Block 001).
- (d) Remove and retain the partitions 131NW and 131PW (Refer to AMM 25-54-12, P. Block 401).
- (e) Put the access platform in position at the FWD passenger/crew door.
- (f) Open the FWD passenger/crew door.
- (g) Open, safety and tag the circuit breakers as given in AMM 21-63-00, P. Block 401.

(2) Standard Procedures

- (a) To heat shrink the sleeves, refer to AWM 20-27-11, P. Block 001).
- (b) For the extraction and insertion of contacts, refer to AWM 20-27-13, P. Block 001.
- (c) For the Station (STA) and Frame (FR) identification, refer to AMM 06-31-53, P. Block 001.

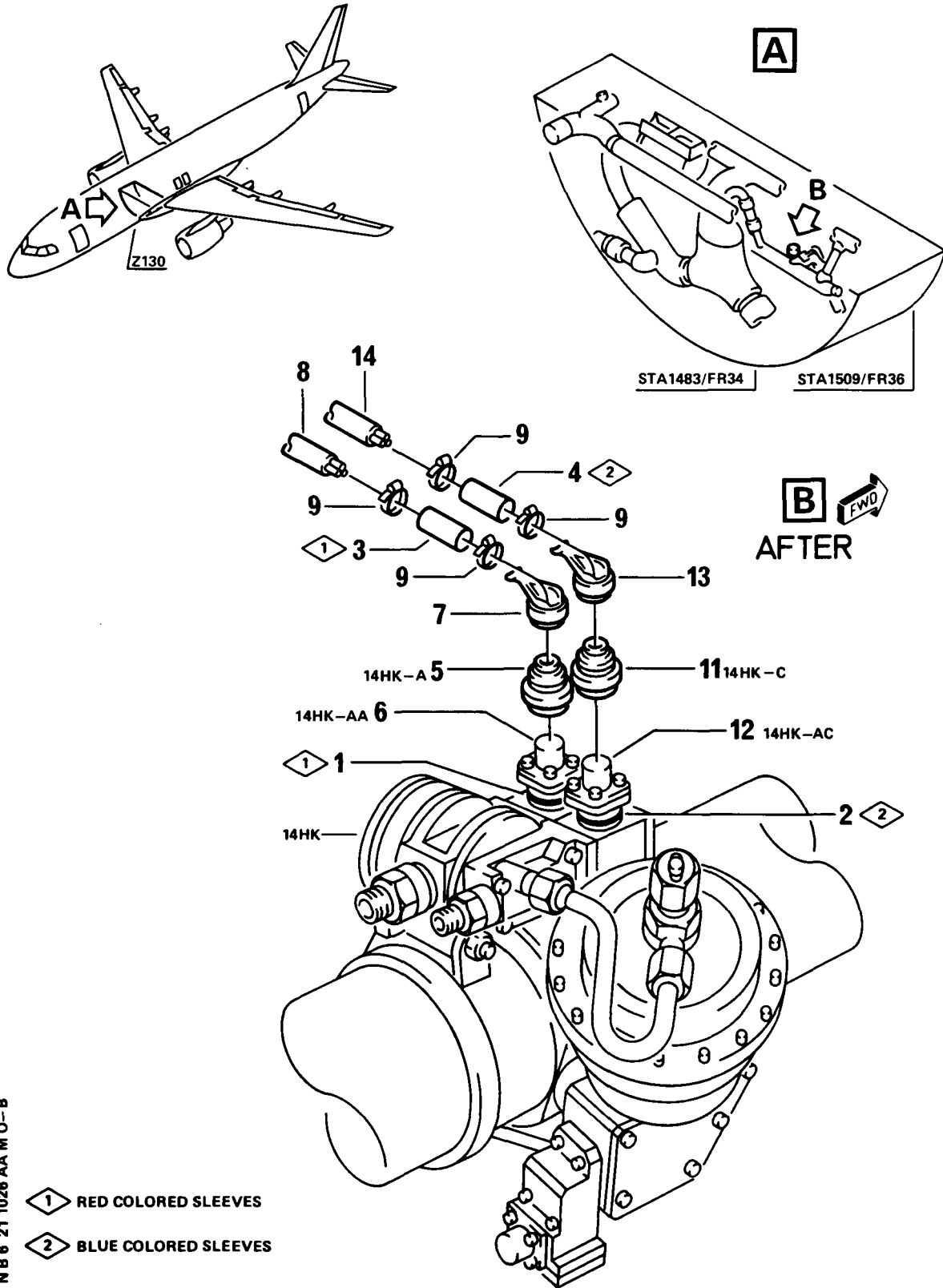
B. MODIFICATION**Kit No. 211026A01**

Refer to Figures 1 and 2

- (1) Identify, with red sleeves, the connector, 14HK-A, and the socket, 14HK-AA, of the TAPRV, 14HK, their location is between FR34 and FR36.
 - (a) Disconnect from the socket, 14HK-AA, item 6:
1 connector, 14HK-A, item 5.

SERVICE BULLETIN

- (b) Cut the red thermofit sleeve, NSA937211-008D, item 1, to a length of 8 mm \pm 1 mm (0.31 in. \pm 0.04 in.).
- (c) Attach to the socket, 14HK-AA, item 6:
 - 1 red thermofit sleeve, item 1.
- (d) Heat shrink the red thermofit sleeve, item 1.
- (e) Remove and retain from the cable bundle, item 8:
 - 1 connector 14HK-A, item 5,
 - 1 backshell, item 7.
- (f) Attach to the cable bundle, item 8:
 - 1 red sleeve, NSA937201MA1001, item 3, with
 - 2 cable ties, NSA935401-03, item 9.
- (g) Install on the cable bundle, item 8:
 - the retained backshell, item 7,
 - the retained connector, 14HK-A, item 5
 - as shown on lines 1, 2 and 3 of Figure 2.
- (h) Connect to the socket, 14HK-AA, item 6:
 - 1 connector, 14HK-A, item 5.
- (2) Identify, with blue sleeves, the connector, 14HK-C and the socket, 14HK-AC, of the TAPRV, 14HK.
 - (a) Disconnect from the socket, 14HK-AC, item 12:
 - 1 connector, 14HK-C, item 11.
 - (b) Cut the blue thermofit sleeve, NSA 937211-008H, item 2, to a length of 8 mm \pm 1 mm (0.31 in. \pm 0.04 in.).
 - (c) Attach to the socket, 14HK-AC, item 12:
 - 1 blue thermofit sleeve, item 2.
 - (d) Heat shrink the blue thermofit sleeve, item 2.



Identification of the Connectors and
the Sockets of the TAPRV
Figure 1

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	END 1				LEAD					END 2				
LINE	ZONE OR PANEL	ELEC. IDENT.	TERM.	TERMINAL P/N	WIRE IDENT.	ROUTE	GAUGE	LENGTH		ZONE OR PANEL	ELEC. IDENT.	TERM.	TERMINAL P/N	INSTRUCTIONS
								MM	INCH					
1	137	14HK-A	A		2163-6042	1M	CF22			131	1939VC-A	19		E 1)
2	137	14HK-A	B		2163-6043	1M	CF20			191	6789VN	DC1		E 1)
3	137	14HK-A	C		2163-6051	1M	CF18			191	6735VN	B1		E 1)
4	137	14HK-C	B		2163-6046	1M	CF22			131	1939VC-A	6		E 1)
5	137	14HK-C	A		2163-6047	1M	CF22			131	1939VC-A	11		E 1)
6	137	14HK-C	C		2163-6048	1M	CF18			191	6735VN	B1		E 1)
7														
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Hook-Up Chart (Ref. Fig. 1)
Figure 2

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1) D929 92218 000 00
E) EXISTING WIRE

SERVICE BULLETIN

(e) Remove and retain from the cable bundle, item 14:

1 connector, 14HK-C, item 11,
1 backshell, item 13.

(f) Attach to the cable bundle, item 14:

1 blue sleeve, NSA937201MA1002, item 4, with
2 cable ties, NSA935401-03, item 9.

(g) Install on the cable bundle, item 14:

the retained backshell, item 13,
the retained connector, 14HK-C, item 11.

as shown on lines 4, 5 and 6 of Figure 2.

(h) Connect to the socket, 14HK-AC, item 12:

1 connector 14HK-C, item 11.

(i) Clean the work area.

C. TEST

- (1) Remove the safety clips and tags and close the circuit breakers which you opened in para. 2.A.(1)(g).
- (2) Do the operational test of the cockpit and cabin temperature control system (Refer to AMM 21-63-00, P. Block 501).

D. CLOSE-UP

- (1) Make certain that the working area is clean and clear of tools and other items of equipment.
- (2) Install the retained partitions 131NW and 131PW (Refer to AMM 25-54-12, P. Block 401).
- (3) Close the cargo compartment door (Refer to AMM 52-30-00, P. Block 001).
- (4) Close the passenger/crew door.
- (5) Remove the access platforms.

SERVICE BULLETIN**BENCH****E. REMOVED COMPONENT AND SPARES****SMK NO. 211026S01**

Refer to Figure 3

(1) Items which can be modified with SMK:

Trim-Air Pressure-Regulating Valve (TAPRV) 746A0000-04

(2) Modification

(a) Identify, with a red thermofit sleeve, the socket, 14HK-AA, of the TAPRV.

1 Cut the red thermofit sleeve, NSA937211-008D, item 1, to a length of 8 mm \pm 1 mm (0.31 in. \pm 0.04 in.).2 Attach to the socket, 14HK-AA, item 6:

1 red thermofit sleeve, item 1.

3 Heat shrink the red thermofit sleeve, item 1.

(b) Identify, with a blue thermofit sleeve, the socket, 14HK-AC, of the TAPRV.

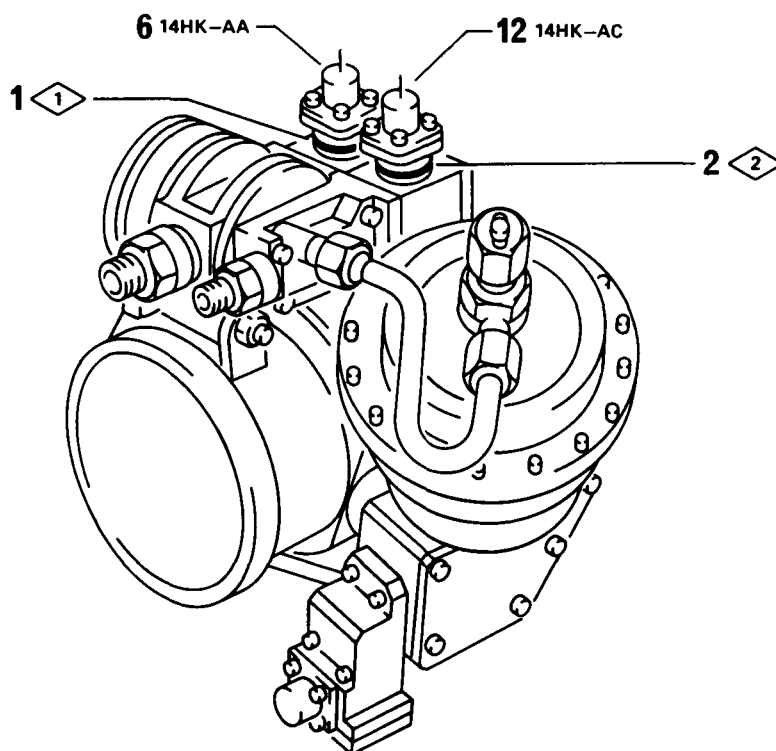
1 Cut the blue thermofit sleeve, NSA937211-008H, item 2, to a length of 8 mm \pm 1 mm (0.31 in. \pm 0.04 in.).2 Attach to the socket, 14HK-AC, item 12:

1 blue thermofit sleeve, item 2.

3 Heat shrink the blue thermofit sleeve, item 2.**F. DOCUMENTATION**

Write in the related aircraft technical records that you did this Service Bulletin.

AFTER



- 1 RED COLORED SLEEVE , LENGTH 8 ± 1 mm (0.31 ± 0.04 in.)
- 2 BLUE COLORED SLEEVE , LENGTH 8 ± 1 mm (0.31 ± 0.04 in.)

N B 6 21 1026 A E M O - B

Identification of the Sockets of the TAPRV
Figure 3

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3. MATERIAL INFORMATIONA. LIST OF COMPONENTS

ITEM	NEW P/N	QTY	DESIGNATION	OLD P/N	REMARKS
<u>Kit No. 211026A01</u>					
1	NSA937211-008D	1	Sleeve red)	Operator Supplied
2	NSA937211-008H	1	Sleeve blue)	
3	NSA937201MA1001	1	Sleeve red)	
4	NSA937201MA1002	1	Sleeve blue)	
9	NSA935401-03	4	Tie)	

SMK 211026S01

1	NSA937211-008D	1	Sleeve red)
2	NSA937211-008H	1	Sleeve blue)

B. LIST OF MATERIALS - OPERATOR SUPPLIED

None

C. SPECIAL TOOLS

None

D. PARTS TO BE REIDENTIFIED BY OPERATOR

None

NOTE: After accomplishment of this Service Bulletin no change of the part number of the TAPRV is necessary.

AIRBUS INDUSTRIE
PRODUCT SUPPORT DIRECTORATE
1 Rond Point Maurice BELLONTE
31707 BLAGNAC CEDEX FRANCE
Tel: (33) 61-93-33-33
Telex: AIRBU 530526 F



SERVICE BULLETIN

MODIFICATION NO: 20837K1857

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - TRIM AIR PRESSURE REGULATING VALVE - INSTALL
COLOR MARKINGS

IS BEING HERewith SUBMITTED TO YOU FOR REVIEW

Please fill : ... REJECTED
 ... WILL BE EMBODIED
 ... EFFECTIVITY

This SB can only be incorporated in your "customized" documentation within the agreed time schedule in so far as this sheet is returned to us on purchase date and signed by a duly authorized and empowered officer or representative.

FROM : Please return to :

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NAME :
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DATE :
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AIRBUS INDUSTRIE
PRODUCT SUPPORT DIRECTORATE
1 Rond Point Maurice BELLONTE
31707 BLAGNAC CEDEX FRANCE

Att. : AI/SP - Technical Publication
Department

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