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

Tel: (33) 61-93-33-33 Telex: AIRBU 530526F SERVICE BULLETIN SUMMARY

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

MODIFICATION No.: 21559K1641 K1642 ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - MODIFY UPPER/LOWER CABIN AIR OUTLET DUCTS

REASON

(1) History

The manufacturer has performed a series of flight and ground tests in order to improve the passenger compartment air distribution and reduce the noise levels.

(2) Objective/Action

In order to achieve maximum benefit, this Service Bulletin should be accomplished simultaneously with Service Bulletin A320-21-1020.

The improvements with this Service Bulletin are achieved by:

- Replacing of riser ducts
- Replacing of lower and partly the upper air outlets.

(3) Advantages

Improving the cabin air distribution characteristics and reducing cabin noise level.

(4) Accomplishment Timescale

This optional Service Bulletin can be accomplished at the convenience of the operator. The splitting of the modification into several Kits (work packages) enables the operator to accomplish this Service Bulletin progressively during night stops.

DESCRIPTION

(1) Gaining access to the air conditioning components according to the relevant Kit by freeing passenger seats to allow the removal of sidewall linings. Removing the overhead stowage compartments, ceiling and sidewall panels accordingly.

NOTE: Due to different passenger compartment lay-outs of the operators, the removal and installation of additional equipment may be necessary but will not be described in the preparation of the work packages.

3 DATE : Jul 02/90 SERVICE BULLETIN No. : A320-21-1021

REVISION No.: 1- MAR. 21/91 Printed in France PAGE: 1 of 5

REVISION No.

•• 7

JUL 08/91

DATE : Jul 02/90

SERVICE BULLETIN SUMMARY

A320

SERVICE BULLETIN No. A320-21-1021



Kit No. 211021A01 thru A04

- (2) Modification in the passenger compartment between FR21 and FR30, RH and LH.
 - Replacing the riser ducts with new ducts.
 - Replacing the lower air outlets with new outlets.
 - Replacing the upper air outlets with new outlets.

Kit No. 211021A06

- (3) Modification in the passenger compartment between FR30 and FR36, LH and RH.
 - Replacing the riser ducts with new ducts.
 - Replacing the lower air outlet with new outlets.
 - Replacing the upper air outlets with new outlets.

Kit_No. 211021A07

- (4) Modification in the passenger compartment between FR36 and FR47, LH and RH.
 - Replacing the riser ducts with new ducts.
 - Replacing the lower air outlet with new outlets.
 - Modification of bracket at FR40.
 - Replacing the adapter with new adapter.
 - Replacing the upper air outlet with new outlets.

Kit No. 211021A08

- (5) Modification in passenger compartment between FR36 and FR47, LH and RH
 - Replacing the riser ducts with new ducts.
 - Replacing the lower air outlets with new outlets.
 - Modification of bracket at FR40.
 - Replacing the adapter with new adapter.

DATE: JUL. 02/90 SERVICE BULLETIN No.: A320-21-1021

REVISION No.: Printed in France PAGE: 3 of 5



Kit No. 211021A09, A11 and A12

- (6) Modification in the passenger compartment between FR47 and FR64, LH and RH.
 - Replacing the riser ducts with new ducts.
 - Replacing the lower air outlets with new outlets.
 - Replacing the upper air outlets with new outlets.

Kit No. 211021A10, A13, A14 and A15

- (7) Modification in the passenger compartment between FR47 and FR 64, LH and RH.
 - Replacing the riser ducts with new ducts.
 - Replacing the lower air outlets with new outlets.

Kit No. 211021A01 thru A15

- (8) Performing a leak test in the modification areas.
- (9) Close-up.

OPERATIONAL CONSEQUENCES

None

EFFECTIVITY

This Service Bulletin is applicable to the following operators: AAA, ACA, ADR, AMC, ANA, AFR, BAW, BNF, CYP, DLH, IAC, IBE, ITF, MSR, NWA, OYC, RJA, TAR, XP and XZ.

This modification is embodied prior to delivery on A/C MSN 180 and subsequent.

NOTE: If an operator accomplishes this Service Bulletin progressively, during night stops for example, the numerical sequence of the kits must be followed. The installation period of the Service Bulletin should be kept to a minimum as the effect on cabin airflow and noise levels during partial embodiment has not been calculated. To minimize these effects the FLOW SELECTOR on the overhead panel should be kept in the NORMAL position and not set to MAXIMUM.

SERVICE BULLETIN/MODIFICATION TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

To achieve the maximum improvement to the cabin noise the accomplishment of this Service Bulletin requires the simultaneous or previous accomplishment of Service Bulletin A320-21-1020, Mod. No. 21558.

DATE: Jul 02/90 SERVICE BULLETIN No.: A320-21-1021

REVISION No.: 1- MAR. 21/91

Printed in France

PAGE: 4 of 5



REFERENCES/REPERCUSSIONS

TFU None LIFE LIMIT None

OEB None LINE MAINTENANCE AFFECTED

Cancelled None NO

AOT None

SIL None OTHERS None

NATURE OF THE MODIFICATION

AIRCRAFT YES

EQUIPMENT NO

COMPLIANCE

Optional

MANPOWER

Kit No. 211021 A01 A02 A03 A04 A06 A07 **80A** 35.00 33.50 33.50 32.50 27.00 43.50 41.00 Manhours 17.50 16.75 16.75 16.25 13.50 21.75 20.50 Elapsed time (hours) A14 Kit No. 211021 A09 A10 A11 A12 A13 A15 **Manhours** 37.50 35.50 33.00 33.00 31.00 30.00 30.00 18.75 17.75 16.50 16.50 15.50 15.00 15.00 Elapsed time (hours)

MATERIAL INFORMATION

Aircraft Data

Kit No. 211021A01 thru A15 comprising: Air outlets, ducts, brackets and associated hardware.

Equipment Data

None

APPENDICES

None

DATE: Jul 02/90 SERVICE BULLETIN No.: A320-21-1021

REVISION No.: 2- JUL 08/91

Printed in France

Printed in France

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

SERVICE BULLETIN

Tel: (33) 61-93-33-33

Telex: AIRBU 530526F REVISION TRANSMITTAL SHEET

MODIFICATION No.: 21559K1641 ATA SYSTEM: 21

T I T L E : AIR CONDITIONING — MODIFY UPPER/LOWER CABIN AIR OUTLET DUCTS

Herewith Revision No. 2 of Service Bulletin A320-21-1021.

No additional work is required by this Revision.

REASON

This Revision is issued to change the manhours and elapsed time, to update the effectivity and to include new kit prices.

Airbus Industrie has developed several modifications to improve the perceived sound level in the A320 passenger cabin. The kit sales prices for the associated Service Bulletin were calculated on the basis of an estimated demand. We are now receiving orders for the kits and since demand for Service Bulletin A320-21-1021 has exceeded our initial estimates we are able to amortize the nonrecurring costs over a greater number of aircraft and thus reduce the kit sales prices accordingly.

Operators who have already been invoiced for these kits at the old price will be credited with the difference between old and new prices.

Service Bulletin Summary

Page 2 of 5 - Kit AO5 deleted

Page 5 of 5 Para. MANPOWER - Manhours and elapsed time changed

Service Bulletin

Page 1 of 52 - Revision added
Pages 2 and 3 Para. 1.A.(2) - Effectivity updated

Page 6 Para. 1.E. - Manhours and elapsed time changed

Page 7/8 Para. 1.F. - Kit prices changed

DATE :

REVISION No. : JUL 08/91

SERVICE BULLETIN No.: A320-21-1021

PAGE: 1 of 2



SERVICE BULLETIN

REVISION TRANSMITTAL SHEET

FILING INSTRUCTIONS:

Replace Summary Pages 2 of 5, 5 of 5 and Service Bulletin Pages 1 of 52, 2, 3, 6 and 7.

File this Revision Transmittal Sheet in front of this Service Bulletin.

REVISION SEQUENCE

Original: Jul 02/90

Revision No.: 1- Mar 21/91

Revision No.: 2-

DATE:

REVISION No. : JUL 08/91

SERVICE BULLETIN No.: A320-21-1021

Printed in France PAGE: 2 of 2



AIRBUS INDUSTRIE PRODUCT SUPPORT DIRECTORATE SERVICE BULLETIN

1 Rond Point Maurice BELLONTE 31707 BLAGNAC CEDEX FRANCE

Tel: (33) 61-93-33-33 Telex: AIRBU 530526F

MODIFICATION No.: 21559K1641 K1642 ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - MODIFY UPPER/LOWER CABIN AIR OUTLET DUCTS

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft Models: A320-111, -211, -231

(2) Aircraft

Customer and Fleet No.	MSN	Kit No. 211021 Qty
AAA 001-008	022, 023, 024, 025, 026, 027, 029, 030	A04, A06, A07, 8 each A09 and A11
ACA 201-202	059, 068	A01, A06, A07, 2 each A09 and A11
ACA 203-207	073, 084, 122, 126, 127	A03, A06, A07, 5 each A09 and A11
ADR 001-003	043, 113, 114	A01, A06, A07, 3 each A09 and A11
AFR 001-002,	005, 007	A03, A06, A07, 2 each A09 and A11
AFR 004-007	014, 019, 020, 021	A03, A06, A07, 4 each A09 and A11
AFR 008	002	A01, A06, A07, 1 each A09 and A11
AFR 031-036	061, 062, 063, 100, 101, 102	A03, A06, A07, 6 each A09 and A11
AFR 037-039	128, 129, 133	A03, A06, A08, 3 each A10 and A13
AMC 001	112	A01, A06, A07, 1 each A09 and A11
ANA 001-006	138, 139, 148, 151, 167, 170	A01, A06, A08, 6 each A10 and A13
BAW 001-010	006, 008, 011, 017, 018, 039 042, 103, 109, 120	A03, A06, A07, 10 each A09 and A11
HP 620-622	052, 053, 054	A01, A06, A07, 3 each A09 and A11

3 DATE : Jul 02/90 SERVICE BULLETIN No. : A320-21-1021

REVISION No.: 2- JUL 08/91

Printed in France

PAGE: 1 of 52

©A320SERVICE BULLETIN

Customer and Fleet No.	MSN	Kit No. 211021	Qty
HP 624-629	055, 064, 065, 066, 067, 076	A01, A06, A07, A09 and A11	6 each
HP 631-637	077, 081, 082, 091, 092, 098, 099	AO2, AO6, AO7, AO9 and A11	7 each
CYP 001-004	028, 035, 037, 038	A03, A06, A07, A09 and A11	4 each
DLH 001-015	069, 070, 071, 072, 078, 083, 086, 093, 094, 104, 105, 110, 111, 116, 117	A04, A06, A07, A09 and A11	15 each
IAC 001-012	045, 046, 047, 048, 049, 050, 051, 056, 057, 058, 074, 075	A01, A06, A07, A09 and A11	12 each
IAC 014-019	080, 089, 090, 095, 096, 097	A01, A06, A07, A09 and A11	6 each
IBE 001-002	134, 136	A04, A06, A07, A09 and A12	2 each
IBE 003-009	143, 146, 158, 173, 176, 177	A04, A06, A08, A10 and A14	6 each
ITF 001-013	010, 012, 013, 015, 016, 033, 036, 044, 004, 003, 108, 115, 130	A01, A06, A07, A09 and A11	13 each
ITF 014-015	155, 156	A01, A06, A08, A10 and A13	2 each
MSR 001-002	165, 166	A03, A06, A08, A10 and A15	2 each
MSR 003	178	A02, A06, A08, A10 and A13	1 each
NWA 301-306	031, 032, 034, 040, 041, 060	A02, A06, A07, A09 and A11	6 each
NWA 307-311	106, 107, 118, 121, 125	A04, A06, A07, A09 and A11	5 each
NWA 312-315	152, 153, 160, 171	A04, A06, A08, A10 and A13	4 each
OYC 001-005	163, 164, 168, 169, 179	A01, A06, A08, A10 and A13	5 each
RJA 001-003	087, 088, 123	A04, A06, A07, A09 and A11	3 each
TAR 001-002	119, 124	A01, A06, A07, A09 and A11	2 each

SERVICE BULLETIN

	stomer and eet No.		MSN	Kit No. 211021	Qty
ΧP	001	085		A01, A06, A07, A09 and A11	1 each
XZ	001-002	131, 132		A03, A06, A07, A09 and A11	2 each
XZ	201-202	144, 145		A01, A06, A08, A10 and A13	2 each

This modification is embodied prior to delivery on A/C MSN 135, 137, 141, 142, 147, 149, 150, 154, 157, 159, 161, 162, 172, 174, 175, 180 and subsequent.

NOTE: If an operator accomplishes this Service Bulletin progressively, during night stops for example, the numerical sequences of the kits must be followed. The installation period of this Service Bulletin should be kept to a minimum as the effect on cabin airflow and noise levels during partial embodiment has not been calculated. To minimize these effects the FLOW SELECTOR on the overhead panel should be kept in the NORMAL position and not set to MAXIMUM.

NOTE: To achieve the maximum improvement to the cabin noise the accomplishment of this Service Bulletin requires the simultaneous or previous accomplishment of Service Bulletin A320-21-1020, Mod. No. 21558.

(3) Spares

None

B. REASON

(1) History

The manufacturer has performed a series of flight and ground tests in order to improve the passenger compartment air distribution and reduce the noise levels.

(2) Objective/Action

In order to achieve maximum benefit, this Service Bulletin should be accomplished simultaneously with Service Bulletin A320-21-1020.

This improvements with this Service Bulletin are achieved by:

- Replacing of riser ducts.

DATE: Jul 02/90 SERVICE BULLETIN No.: A320-21-1021

REVISION No.: 2- JUL 08/91 Printed in France PAGE: 3



- Replacing of lower and partly the upper air outlets.

(3) Advantages

Improving the cabin air distribution characteristics and reducing cabin noise level.

(4) Accomplishment Timescale

This optional Service Bulletin can be accomplished at the convenience of the operator. The splitting of the modification into several Kits (work packages) enables the operator to accomplish this Service Bulletin progressively during night stops.

C. DESCRIPTION

(1) Gaining access to the air conditioning components according to the relevant Kit by freeing passenger seats to allow the removal of sidewall linings. Removing the overhead stowage compartments, ceiling, sidewall and floor panels accordingly and the partition wall panels of the FWD cargo compartment.

Kit No. 211021A01 and A04

- (2) Modification in the passenger compartment at FR30, RH and LH.
 - Replacing the riser ducts with new ducts
 - Replacing the lower air outlet with new outlets.
 - Replacing the upper air outlet with new outlets.

Kit No. 211021A06

- (3) Modification in the passenger compartment between FR30 and FR36, LH and RH
 - Replacing the riser ducts with new ducts
 - Replacing the lower air outlet with new outlets.
 - Replacing the upper air outlet with new outlets.

Kit No. 211021A07

- (4) Modification in the passenger compartment between FR36 and FR47, LH and RH.
 - Replacing the riser ducts with new ducts
 - Replacing the lower air outlet with new outlets.

DATE : Jul 02/90 SERVICE BULLETIN No. : A320-21-1021

REVISION No.: 1- MAR. 21/91 Printed in France PAGE: 4



- Modification of bracket at FR40.
- Replacing the adapter with new adapter.
- Replacing the upper air outlet with new outlets.

Kit No. 211021A08

- (5) Modification in passenger compartment between FR36 between FR36 and FR47, LH and RH.
 - Replacing the riser ducts with new ducts
 - Replacing the lower air outlets with new outlets.
 - Modification of bracket at FR40.
 - Replacing the adapter with new adapter.

Kit No. 211021A09, A11 and A12

- (6) Modification in the passenger compartment between FR47 and FR 64, LH and RH.
 - Replacing the riser ducts with new ducts
 - Replacing the lower air outlets with new outlets.
 - Replacing the upper air outlet with new outlets.

Kit No. 211021A10, A13, A14 and A15

- (7) Modification in the passenger compartment between FR47 and FR 64, LH and RH.
 - Replacing the riser ducts with new ducts
 - Replacing the lower air outlets with new outlets.

Kit No. 211021A01 thru A15

- (8) Performing a leak test in the modification areas.
- (9) Close-up.

D. APPROVAL

This Service Bulletin is approved by Direction Générale de l'Aviation Civile - FRANCE (D.G.A.C).

DATE: SERVICE BULLETIN No.: A320-21-1021

SERVICE BULLETIN

E. MANPOWER

				<u>Manhou</u>	<u>rs</u>		
Kit No. 211021	A01	A02	A03	A04	A06	A07	80A
Gain access Modification Test Close-up	10.50 7.50 1.00 16.00	10.50 6.00 1.00 16.00	10.50 6.00 1.00 16.00	10.50 5.00 1.00 16.25	8.50 5.00 1.00 13.50	12.00 12.00 1.00 18.50	12.00 9.50 1.00 18.50
TOTAL MANHOURS	35.00	33.50	33.50	32.50	27.00	43.50	41.00
ELAPSED TIME (HOURS)	17.50	16.75	16.75	16.25	13.50	21.75	20.50
Kit No. 211021	A09	A10	A11	A12	A13	A14	A15
Gain access Modification Test Close-up	12.00 6.00 1.00 18.50	12.00 4.00 1.00 18.50	10.00 7.00 1.00 15.00	10.00 7.00 1.00 15.00	10.00 5.00 1.00 15.00	10.00 4.0 1.00 15.00	10.00 4.00 1.00 15.00
TOTAL MANHOURS	37.50	35.50	33.00	33.00	31.00	30.00	30.00
ELAPSED TIME (HOURS)	18.75	17.75	16.50	16.50	15.50	15.00	15.00

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, non-productive elapsed time, or administrative functions.

F. MATERIAL - COST AND AVAILABILITY

(1) Material

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

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

DATE: Jul 02/90 SERVICE BULLETIN No.: A320-21-1021

REVISION No.: 2- JUL 08/91 Printed in France PAGE: 6

SERVICE BULLETIN

(2) Cost and Availability

Kit No.	Cost	A vailability*
	(US Dollars)	
211021A01	31756	180
211021A02	27787	180
211021A03	27787	180
211021A04	23817	180
211021A06	23817	270
211021A07	29277	270
211021A08	18552	270
211021A09	25054	270
211021A10	16474	270
211021A11	28910	270
211021A12	26982	270
211021A13	20331	270
211021A14	18402	270
211021A15	16343	270

^{*} Calendar days from receipt of order.

NOTE: Sales terms stated (cost and availability) are evaluated with respect to economic conditions at the issue date of this Service Bulletin.

A discount of ten (10) per cent 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: 12-34-24, 20-31-00, 24-41-00, 25-21-41,

25-23-41, 25-23-43, 25-23-44

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog: 21-21-01, 21-21-02, 21-21-04

DATE: Jul 02/90 SERVICE BULLETIN No.: A320-21-1021

REVISION No.: 2- JUL 08/91 Printed in France PAGE: 7/8



2. ACCOMPLISHMENT INSTRUCTIONS

AIRCRAFT

A. GENERAL

NOTE: Due to different passenger compartment lay-outs of the operators, the removal and installation of additional equipment may be necessary but will not be described in the preparation of the work packages.

Accomplishment of each Kit in this Service Bulletin includes these operations:

(1) Preparation

- (a) De-energize the aircraft electrical circuits (Ref. AMM 12-34-24, P. Block 201) and electrically ground the aircraft (Ref. AMM 24-41-00, P. Block 201).
- (b) Put the access platforms in position.
- (c) Open, safety and tag these circuit breakers:

PANEL	SERVICE	IDENT.	LOCATION
122VU	AIR COND/FLOW/CTL AND IND/1	1HB	V22
122VU	AIR COND/PACK TEMP/CTL SYS1/1/115VAC	1HH	X22
122VU	AIR COND/PACK TEMP/CTL SYS1/1/28VDC	3HH	X21
122VU	AIR COND/PACK TEMP CTL SYS2/1/28VDC	4HH	Y19
122VU	AIR COND/PACK TEMP CTL SYS2/1/115VAC	2HH	Y18
122VU	AIR COND/FLOW/CTL AND IND/2	2HB	V21
122VU	AIR COND/PACK TEMP/CTL SYS1/2/115VAC	21HH	W22
122VU	AIR COND/PACK TEMP/CTL SYS1/2/28VDC	23HH	W21
122VU	AIR COND/PACK TEMP CTL SYS2/2/28VDC	24HH	Y21
122VU	AIR COND/PACK TEMP CTL SYS2/2/115VAC	22HH	Y20
122VU	AIR COND/RECIRC FAN/L/CTL	2HG	X20
122VU	AIR COND/RECIRC FAN/L/SPLY	1HG	X18
122VU	AIR COND/RECIRC FAN/R/CTL	11HG	W20
122VU	AIR COND/RECIRC FAN/R/SPLY	3HG	W18

(2) Standard Procedures

- (a) It may be necessary to loosen the clamps and the supports on the next ducts to permit the removal/installation of the ducts and restrictors affected by this Service Bulletin.
- (b) Make certain that the clamps and supports which have been loosened are installed correctly on completion of this Service Bulletin.

DATE: JUL.02/90 SERVICE BULLETIN No.: A320-21-1021

REVISION No.: Printed in France PAGE: 9

SERVICE BULLETIN

- (c) Blank open ends of ducts if the replacement duct is not installed immediately.
- (d) For specification of materials (Mat. No.) given in this Service Bulletin refer to AMM 20-31-00.

B. MODIFICATION

WARNING: MAKE SURE THAT NO AIR IS SUPPLIED TO THE AIR CONDITIONING SYSTEM FROM THE MAIN ENGINE, THE APU OR GROUND SOURCE.

Kit No. 211021A01

(1) Modification in the passenger compartment between FR21 and FR30, LH and RH.

(a) Preparation

- 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
- 2 Remove the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
- Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
- 4 Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seats, panels and overhead stowage compartments shall be carefully stored pending installation.

(b) Modification procedure

Refer to Figure 1

- Disconnect, remove and do not re-use the ducts (1), (2), (3) and (4), the lower air outlets (5) and (6) and the upper air outlets (7) and (8). Retain the connecting parts.
- 2 Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

D2121113600000	item 1
D2121113600100	item 2
D2121113800000	item 3
D2121113800100	item 4
D2121114100000	item 5
D2121114100100	item 6
D2121114200000	item 7
D2121114200100	item 8

- (c) Check the connections for airleaks.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - 2 Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Install the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
 - 5 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
 - 6 Put the aircraft in pre-flight condition.

Kit No. 211021A02

- (2) Modification in the passenger compartment between FR21 and FR30, LH and RH.
 - (a) Preparation
 - Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
 - 2 Remove the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
 - Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seats, panels and overhead stowage compartments shall be carefully stored pending installation.

(b) Modification procedure

Refer to Figure 2

Disconnect, remove and do not re-use the ducts (2), (3) and (4), the lower air outlets (5) and (6) and the upper air outlets (7) and (8). Retain the connecting parts.

©A320SERVICE BULLETIN

Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

D2121113600100	item 2
D2121113800000	item 3
D2121113800100	item 4
D2121114100000	item 5
D2121114100100	item 6
D2121114200000	item 7
D2121114200100	item 8

- (c) Check the connections for airleak.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - 2 Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Install the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
 - 5 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
 - 6 Put the aircraft in pre-flight condition.

Kit No. 211021A03

- (3) Modification in the passenger compartment between FR21 and FR30, LH and RH.
 - (a) Preparation
 - 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
 - 2 Remove the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
 - 3 Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seats, panels and overhead stowage compartments shall be carefully stored pending installation.



(b) Modification procedure

Refer to Figure 3

- Disconnect, remove and do not re-use the ducts (1), (3) and (4), the lower air outlets (5) and (6) and the upper air outlets (7) and (8). Retain the connecting parts.
- 2 Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

item 1
item 3
item 4
item 5
item 6
item 7
item 8

- (c) Check the connections for airleaks.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - 2 Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - 3 Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Install the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
 - 5 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
 - 6 Put the aircraft in pre-flight condition.

Kit No. 211021A04

- (4) Modification in the passenger compartment between FR21 and FR30, LH and RH.
 - (a) Preparation
 - 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
 - 2 Remove the ceiling panels (Ref. AMM 25-23-41, P. Block 401).



- 3 Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
- 4 Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seats, panels and overhead stowage compartments shall be carefully stored pending installation.

(b) Modification procedure

Refer to Figure 4

- Disconnect, remove and do not re-use the ducts (3) and (4), the lower air outlets (5) and (6) and the upper air outlets (7) and (8). Retain the connecting parts.
- Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

D2121113800000	item 3
D2121113800100	item 4
D2121114100000	item 5
D2121114100100	item 6
D2121114200000	item 7
D2121114200100	item 8

- (c) Check the connections for airleaks.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - 2 Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - 3 Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Install the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
 - 5 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
 - 6 Put the aircraft in pre-flight condition.

Kit No. 211021A06

(5) Modification in the passenger compartment between FR30 and FR36, LH and RH.

(a) Preparation

- 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
- 2 Remove the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
- Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
- 4 Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seats, panels and overhead stowage compartments shall be carefully stored pending installation.

(b) Modification procedure

Refer to Figure 5

- Disconnect, remove and do not re-use the ducts (3) and (4), the lower air outlets (5) and (6) and the upper air outlets (7) and (8). Retain the connecting parts.
- 2 Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

D2121113800000	item 3
D2121113800100	item 4
D2121114100000	item 5
D2121114100100	item 6
D2121114200000	item 7
D2121114200100	item 8

- (c) Check the connections for airleaks.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - 2 Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - 3 Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Install the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
 - 5 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).

6 Put the aircraft in pre-flight condition.

Kit No. 211021A07

- (6) Modification in the passenger compartment between FR36 and FR47, LH and RH.
 - (a) Preparation
 - 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
 - 2 Remove the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
 - Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - <u>NOTE</u>: The seats, panels and overhead stowage compartments shall be carefully stored pending installation.
 - (b) Modification procedure

Refer to Figure 6

- Disconnect, remove and do not re-use the ducts (9), (10), (13) and (14), the lower air outlets (17), (18), (19) and (20) and the upper air outlets (11) and (12). Retain the connecting parts.
 - NOTE: If Service Bulletin A320-21-1020 is embodied, return the lower air outlet D2127107901000, item (17) and D2127107901100, item (18) to Airbus Industrie, Spares Support Center.
- Modify the adapter section between FR39 and FR41 as follows: Refer to Figure 8
 - Remove and do not re-use the screws (21), (24) and (26), the washers (22) and the spacers (23) and (25).
 - Remove and do not re-use the adapter (15) and (16).
 - On FR40 drill out the rivets and remove and do not re-use the bracket (27).
 - Seal the rivet holes with rivets NAS1097DD5-6 and NAS1097DD5-7.

DATE : Jul 02/90 SERVICE BULLETIN No. : A320-21-1021

REVISION No.: 1- MAR. 21/91 Printed in France PAGE: 16

SERVICE BULLETIN

- Paint rivets with polyurethane primer, Mat. No. 16-001 and polyurethane top coat, Mat. No. 16-002.
- Put the bracket D2127245500000, item 28 in position at FR40 to dimensions as given in section A-A.
- Drill out rivet holes and install the bracket, item 28 with rivets LN9198-4010CF and LN9198-4012CF.
- Paint rivet heads with polyurethane primer Mat. No. 16-002.
- Install the new adapter D2127112100000, item 15 and D2127112100100, item 16 at bracket 28 with washer ASNA0113-48ADL, item 29 and screw, item 30.

Refer to Figure 6

Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

D2127107900600	item 17
D2127107900700	item 18
D2127111900000	item 19
D2127111900100	item 20
D2127112100000	item 15
D2127112100100	item 16
D2127112500000	item 11
D2127112500100	item 12
D2127112700000	item 9
D2127112700100	item 10
D2127112900000	item 13
D2127112900100	item 14

- (c) Check the connections for airleaks.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Install the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
 - 5 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
 - 6 Put the aircraft in pre-flight condition.

Kit No. 211021A08

(7) Modification in the passenger compartment between FR36 and FR47, LH and RH.

(a) Preparation

- 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
- Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
- Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seats and panels shall be carefully stored pending installation.

(b) Modification procedure

Refer to Figure 7

Disconnect, remove and do not re-use the ducts (9), (10), (13) and (14), the lower air outlets (17), (18), (19) and (20). Retain the connecting parts.

NOTE: If Service Bulletin A320-21-1020 is embodied, return the lower air outlet D2127107901000, item (17) and D2127107901100, item (18) to Airbus Industrie, Spares Support Center.

2 Modify the adapter section between FR39 and FR41 as follows:

Refer to Figure 8

- Remove and do not re-use the screws (21), (24) and (26), the washers (22) and the spacers (23) and (25).
- Remove and do not re-use the adapter (15) and (16).
- On FR40 drill out the rivets and remove and do not re-use the bracket (27).
- Seal the rivet holes with rivets NAS1097DD5-6 and NAS1097DD5-7.
- Paint rivets with polyurethane primer, Mat. No. 16-001 and polyurethane top coat, Mat. No. 16-002.



- Put the bracket D2127245500000, item 28 in position at FR40 to dimensions as given in section A-A.
- Drill out rivet holes and install the bracket, item 28 with rivets LN9198-4010CF and LN9198-4012CF.
- Paint rivet heads with polyurethane primer Mat. No. 16-002.
- Install the new adapter D2127112100000, item 15 and D2127112100100, item 16 at bracket 28 with washer ASNA0113-48ADL, item 29 and screw, item 30.

Refer to Figure 7

Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

D2127107900600	item 17
D2127107900700	item 18
D2127111900000	item 19
D2127111900100	item 20
D2127112100000	item 15
D2127112100100	item 16
D2127112700000	item 9
D2127112700100	item 10
D2127112900000	item 13
D2127112900100	item 14

- (c) Check the connections for airleaks.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - 2 Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
 - 5 Put the aircraft in pre-flight condition.

SERVICE BULLETIN

Kit No. 211021A09

(8) Modification in the passenger compartment between FR36 and FR47 and FR55, LH and RH.

(a) Preparation

- 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
- 2 Remove the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
- Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
- 4 Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seats, panels and overhead stowage compartments shall be carefully stored pending installation.

(b) Modification procedure

Refer to Figure 9

- Disconnect, remove and do not re-use the ducts (9) and (10), lower air outlets (19) and (20) and upper air outlets (11) and (12). Retain the connecting parts.
- Install these new ducts, lower air outlets and the upper air outlets with the retained connecting parts:

D2127111900000	item 19
D2127111900100	item 20
D2127112500000	item 11
D2127112500100	item 12
D2127112700000	item 9
D2127112700100	item 10

- (c) Check the connections for airleaks.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - 2 Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - 3 Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).

SERVICE BULLETIN

- 4 Install the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
- 5 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
- 6 Put the aircraft in pre-flight condition.

Kit No. 211021A10

- (9) Modification in the passenger compartment between FR47 and FR55, LH and RH.
 - (a) Preparation
 - 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
 - Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seats and panels shall be carefully stored pending installation.

(b) Modification procedure

Refer to Figure 10

- Disconnect, remove and do not re-use the ducts (9) and (10) and the lower air outlets (19) and (20). Retain the connecting parts.
- 2 Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

D2127111900000	item	19
D2127111900100	item	20
D2127112700000	item	9
D2127112700100	item	10

- (c) Check the connections for airleaks.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

DATE: Jul 02/90 SERVICE BULLETIN No.: A320-21-1021

REVISION No.: 1- MAR. 21/91

Printed in France

PAGE: 21

SERVICE BULLETIN

- Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
- 4 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
- 5 Put the aircraft in pre-flight condition.

Kit No. 211021A11

(10) Modification in the passenger compartment between FR55 and FR64, LH and RH.

(a) Preparation

- 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
- 2 Remove the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
- Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
- 4 Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seats, panels and overhead stowage compartments shall be carefully stored pending installation.

(b) Modification procedure

Refer to Figure 11

Disconnect, remove and do not re-use the ducts (9) and (10), (31), (32), (33) and (34), the lower air outlets (17), (18), (19) and (20) and the upper air outlets (11) and (12). Retain the connecting parts.

NOTE: If Service Bulletin A320-21-1020 is embodied, return the lower air outlet D2127107901000, item (17) and D2127107901100, item (18) to Airbus Industrie, Spares Support Center.

2 Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

D2127107900600	ite m 17
D2127107900700	item 18
D2127111900000	ite m 19
D2127111900100	item 20
D2127112500000	ite m 11
D2127112500100	item 12



D2127112700000	item 9
D2127112700100	item 10
D2127113100000	item 31
D2127113100100	item 32
D2127113300000	item 33
D2127113300100	item 34

- (c) Check the connections for airleaks.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Install the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
 - 5 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
 - 6 Put the aircraft in pre-flight condition.

Kit No. 211021A12

- (11) Modification in the passenger compartment between FR55 and FR64, LH and RH.
 - (a) Preparation
 - 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
 - 2 Remove the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
 - Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seats, panels and overhead stowage compartments shall be carefully stored pending installation.

SERVICE BULLETIN

(b) Modification procedure

Refer to Figure 12

Disconnect, remove and do not re-use the ducts (9), (10), (31), (32) and (33), the lower air outlets (18), (19) and (20) and the upper air outlets (11) and (12). Retain the connecting parts.

NOTE: If Service Bulletin A320-21-1020 is embodied, return the lower air outlet D2127107901100, item (18) to Airbus Industrie, Spares Support Center.

2 Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

18	item	D2127107900700
19	item	D2127111900000
20	item	D2127111900100
11	item	D2127112500000
12	item	D2127112500100
9	item	D2127112700000
10	item	D2127112700100
31	item	D2127113100000
32	item	D2127113100100
33	item	D2127113300000

- (c) Check the connections for airleaks.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - 2 Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - 3 Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Install the ceiling panels (Ref. AMM 25-23-41, P. Block 401).
 - 5 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
 - 6 Put the aircraft in pre-flight condition.

DATE: Jul 02/90 SERVICE BULLETIN No.: A320-21-1021

REVISION No.: 1- MAR. 21/91

Printed in France

PAGE: 24



Kit No. 211021A13

(12) Modification in the passenger compartment between FR55 and FR64, LH and RH.

(a) Preparation

- 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
- Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
- 3 Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seat and panels shall be carefully stored pending installation.

(b) Modification procedure

Refer to Figure 13

Disconnect, remove and do not re-use the ducts (9), (10), (31), (32), (33) and (34) and the lower air outlets (17), (18), (19) and (20). Retain the connecting parts.

NOTE: If Service Bulletin A320-21-1020 is embodied, return the lower air outlet D2127107901000, item (17) and D2127107901100, item (18) to Airbus Industrie, Spares Support Center.

2 Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

D2127107900600	item 17
D2127107900700	item 18
D2127111900000	item 19
D2127111900100	item 20
D2127112700000	item 9
D2127112700100	item 10
D2127113100000	item 31
D2127113100100	item 32
D2127113300000	item 33
D2127113300100	item 34

(c) Check the connections for airleaks.

©A320SERVICE BULLETIN

(d) Close-up

- Make sure that the areas are clean and clear of tools and other items.
- 2 Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
- 3 Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
- 4 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
- 5 Put the aircraft in pre-flight condition.

Kit No. 211021A14

- (13) Modification in the passenger compartment between FR55 and FR64, LH and RH.
 - (a) Preparation
 - 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
 - Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seat and panels shall be carefully stored pending installation.

(b) Modification procedure

Refer to Figure 14

Disconnect, remove and do not re-use the ducts (9), (10), (31), (32), (33) and the lower air outlets (18), (19) and (20). Retain the connecting parts.

NOTE: If Service Bulletin A320-21-1020 is embodied, return the lower air outlet D2127107901100, item (18) to Airbus Industrie, Spares Support Center.

2 Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

D2127107900700 item 18 D2127111900000 item 19 D2127111900100 item 20

SERVICE BULLETIN

D2127112700000	item 9
D2127112700100	item 10
D2127113100000	item 31
D2127113100100	item 32
D2127113300000	item 33

- (c) Check the connections for airleaks.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
 - 5 Put the aircraft in pre-flight condition.

Kit No. 211021A15

- (14) Modification in the passenger compartment between FR55 and FR64, LH and RH.
 - (a) Preparation
 - 1 Remove the passenger seats (Ref. AMM 25-21-41, P. Block 401) and protect the floor covering.
 - Remove the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 3 Remove the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).

NOTE: The seat and panels shall be carefully stored pending installation.

(b) Modification procedure

Refer to Figure 15

Disconnect, remove and do not re-use the ducts (9), (10), (32) and (34) and the lower air outlets (17), (19) and (20). Retain the connecting parts.

©A320SERVICE BULLETIN

NOTE: If Service Bulletin A320-21-1020 is embodied, return the lower air outlet D2127107901000, item (17) to Airbus Industrie, Spares Support Center.

2 Install these new ducts, lower air outlets and upper air outlets with the retained connecting parts:

D2127107900600	item 17
D2127111900000	item 19
D2127111900100	item 20
D2127112700000	item 9
D2127112700100	item 10
D2127113100100	item 32
D2127113300100	item 34

- (c) Check the connections for airleaks.
- (d) Close-up
 - Make sure that the areas are clean and clear of tools and other items.
 - Install the lower sidewall panels (Ref. AMM 25-23-44, P. Block 401).
 - Install the upper sidewall panels (Ref. AMM 25-23-43, P. Block 401).
 - 4 Install the passenger seats (Ref. AMM 25-21-41, P. Block 401).
 - 5 Put the aircraft in pre-flight condition.

C. TEST

None

D. CLOSE-UP

- (1) Remove the safety clips and the tags and close the circuit breakers opened in Para. 2.A.(1)(c).
- (2) Remove the access platforms.

E. ACCOMPLISHMENT INSTRUCTIONS — REMOVED COMPONENTS AND SPARES

None

F. DOCUMENTATION

Record the accomplishment of this Service Bulletin in the relevant aircraft technical records.

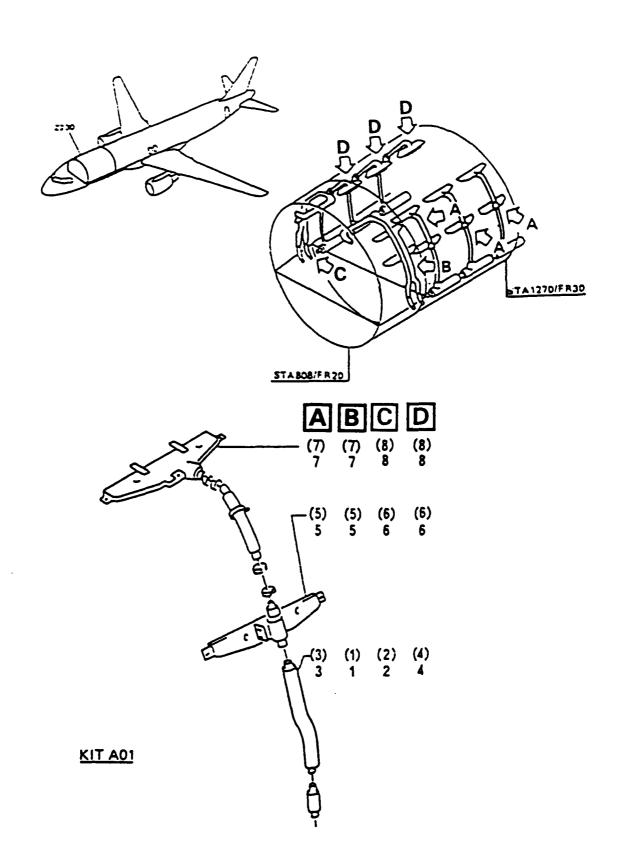
DATE: Jul 02/90 SERVICE BULLETIN No.: A320-21-1021

REVISION No.: 1- MAR. 21/91

Printed in France

PAGE: 28/29

SERVICE BULLETIN



Replacement of Ducts and Cabin Air Outlets Figure 1

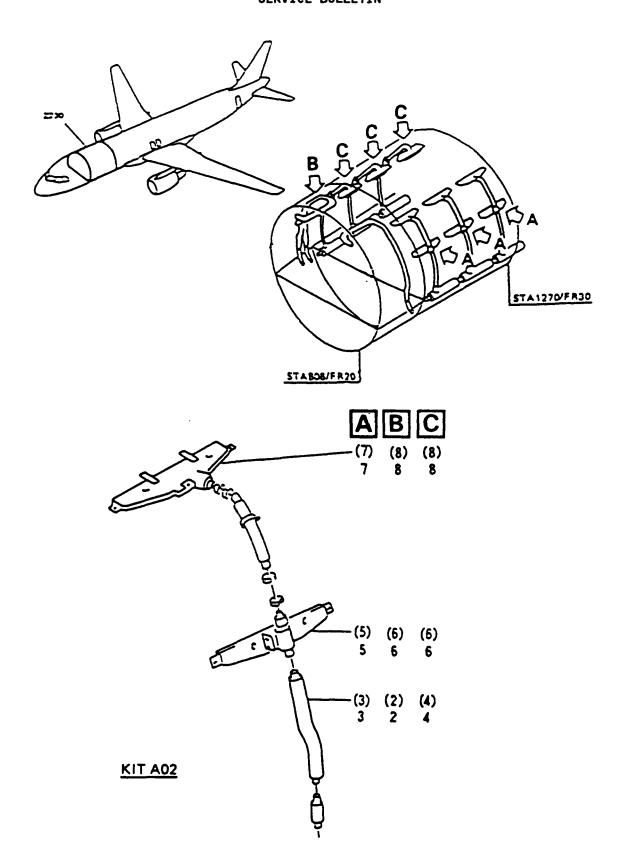
DATE : Jul 02/90 SERVICE BULLETIN No. : A320-21-1021

REVISION No.: 1- MAR. 21/91

Printed in France

PAGE: 30

SERVICE BULLETIN

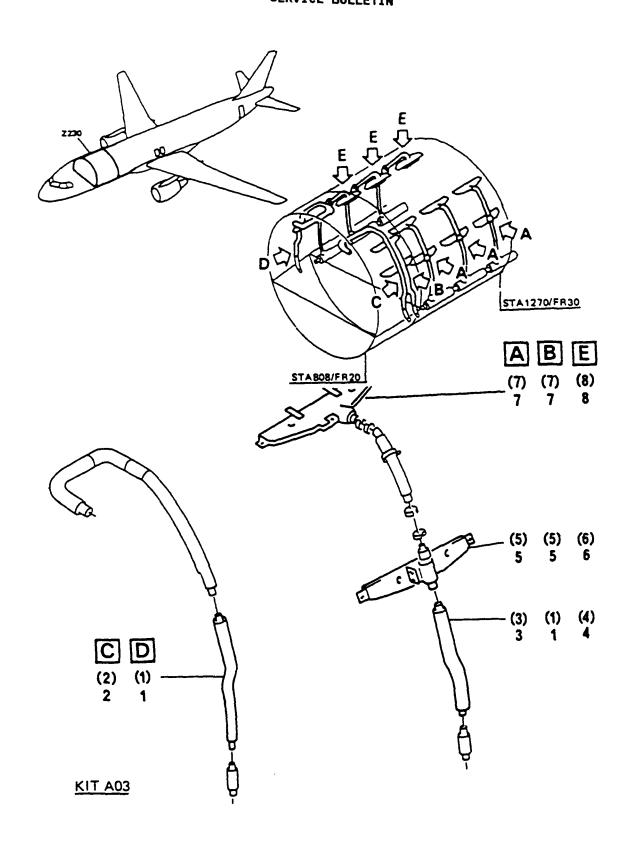


Replacement of Ducts and Cabin Air Outlets Figure 2

DATE: Jul 02/90 SERVICE BULLETIN No.: A320-21-1021

REVISION No. : 1- MAR. 21/91

PAGE: 31



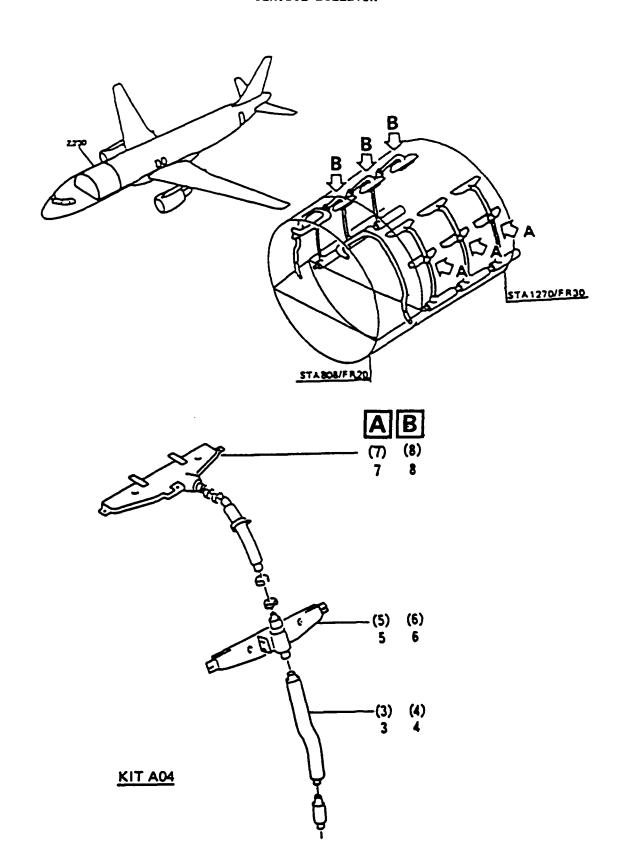
Replacement of Ducts and Cabin Air Outlets Figure 3

DATE : Jul 02/90 SERVICE BULLETIN No. : A320-21-1021

REVISION No.: 1- MAR. 21/91

Printed in France

PAGE: 32



Replacement of Ducts and Cabin Air Outlets Figure 4

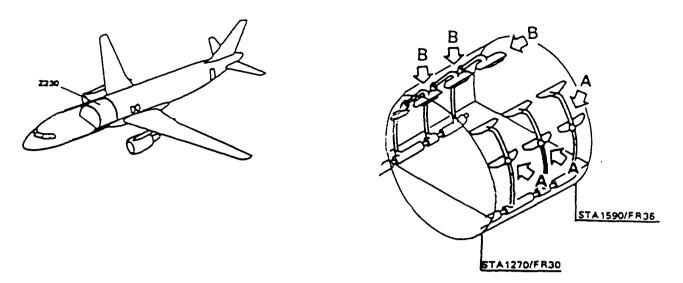
DATE : Jul 02/90 SERVICE BULLETIN No. : A320-21-1021

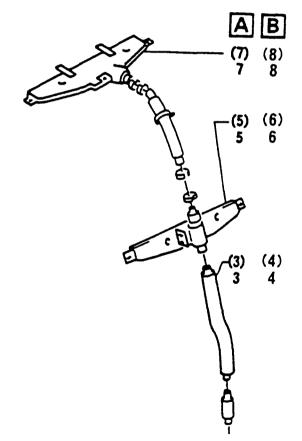
REVISION No.: 1- MAR. 21/91

Printed in France

PAGE: 33







KIT A06

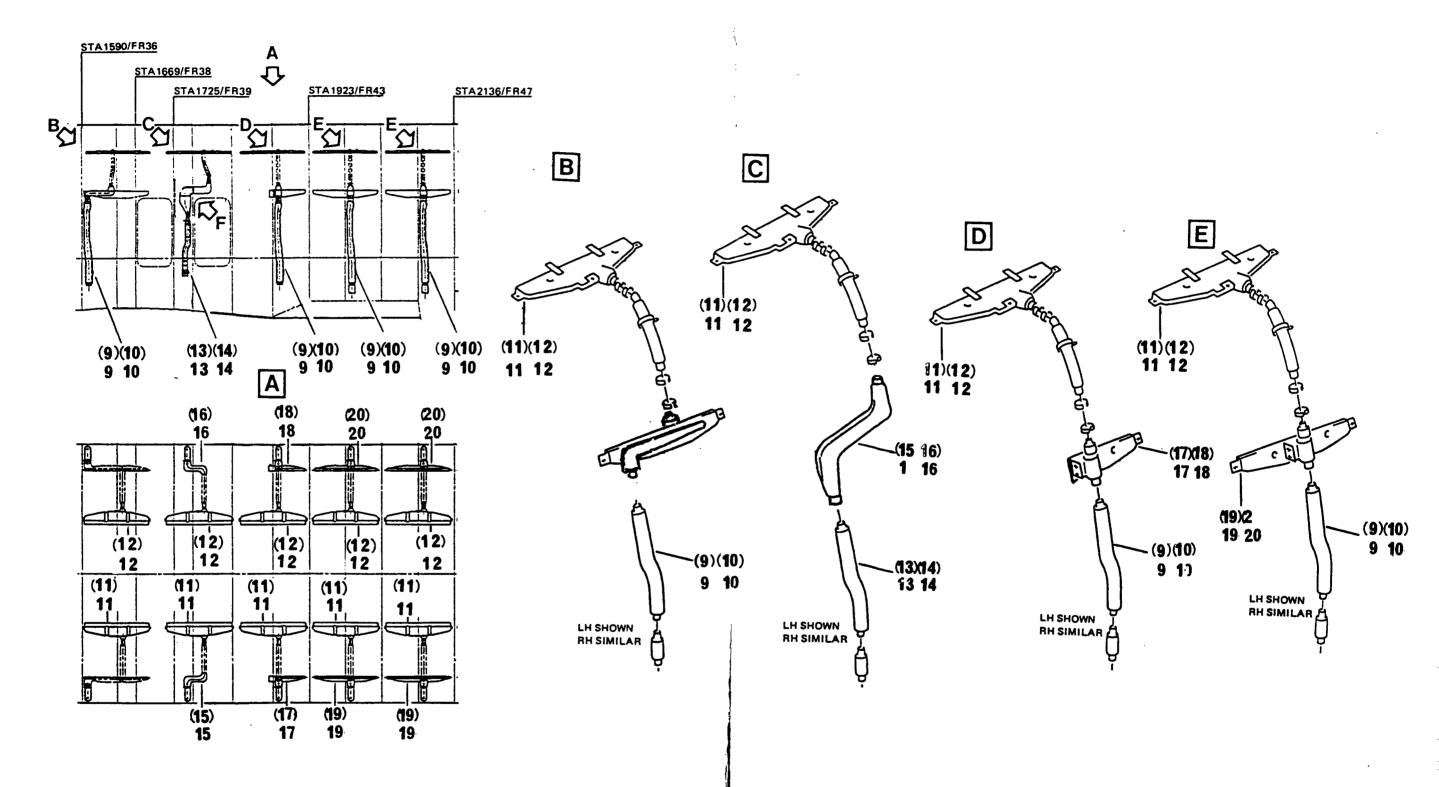
Replacement of Ducts and Cabin Air Outlets Figure 5

DATE : Jul 02/90

SERVICE BULLETIN No.: A320-21-1021

REVISION No. : 1- MAR. 21/91

PAGE: 34



KIT A07

Replacement of Ducts and Cabin Air Outlets Figure 6

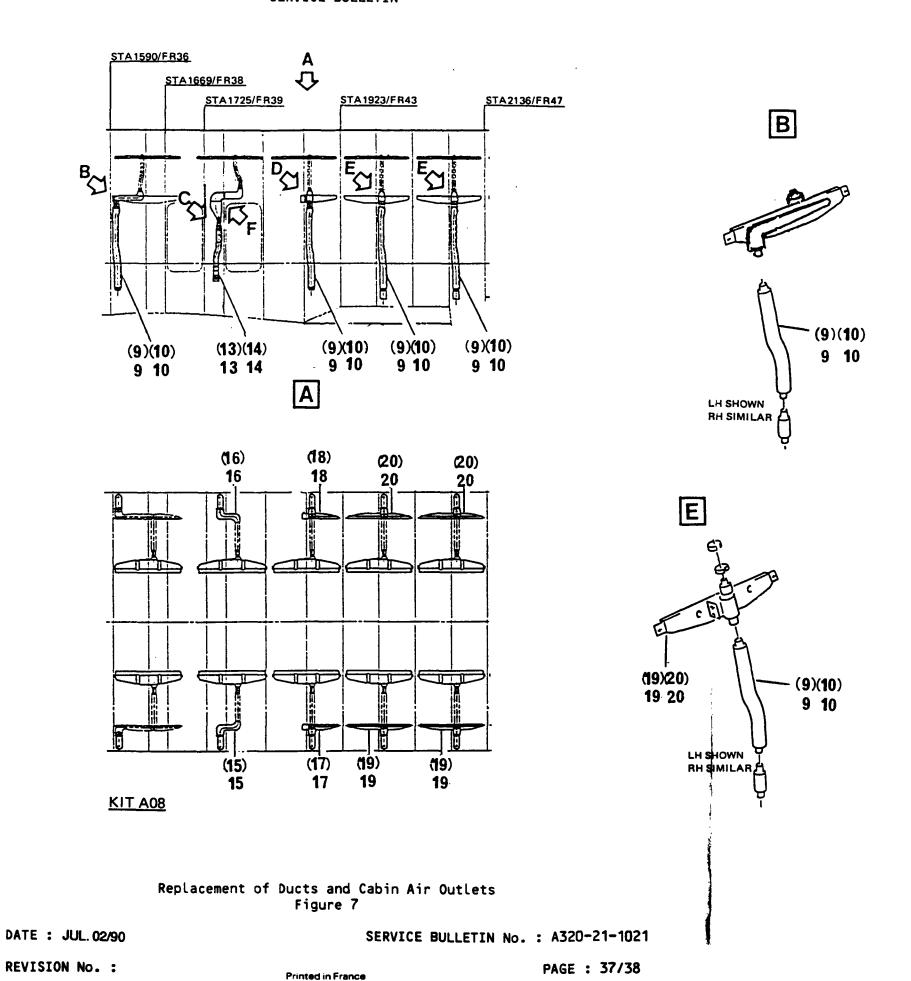
DATE : JUL. 02/90

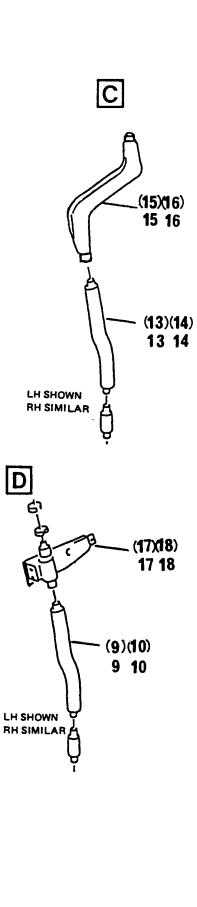
SERVICE BULLETIN No. : A320-21-1021

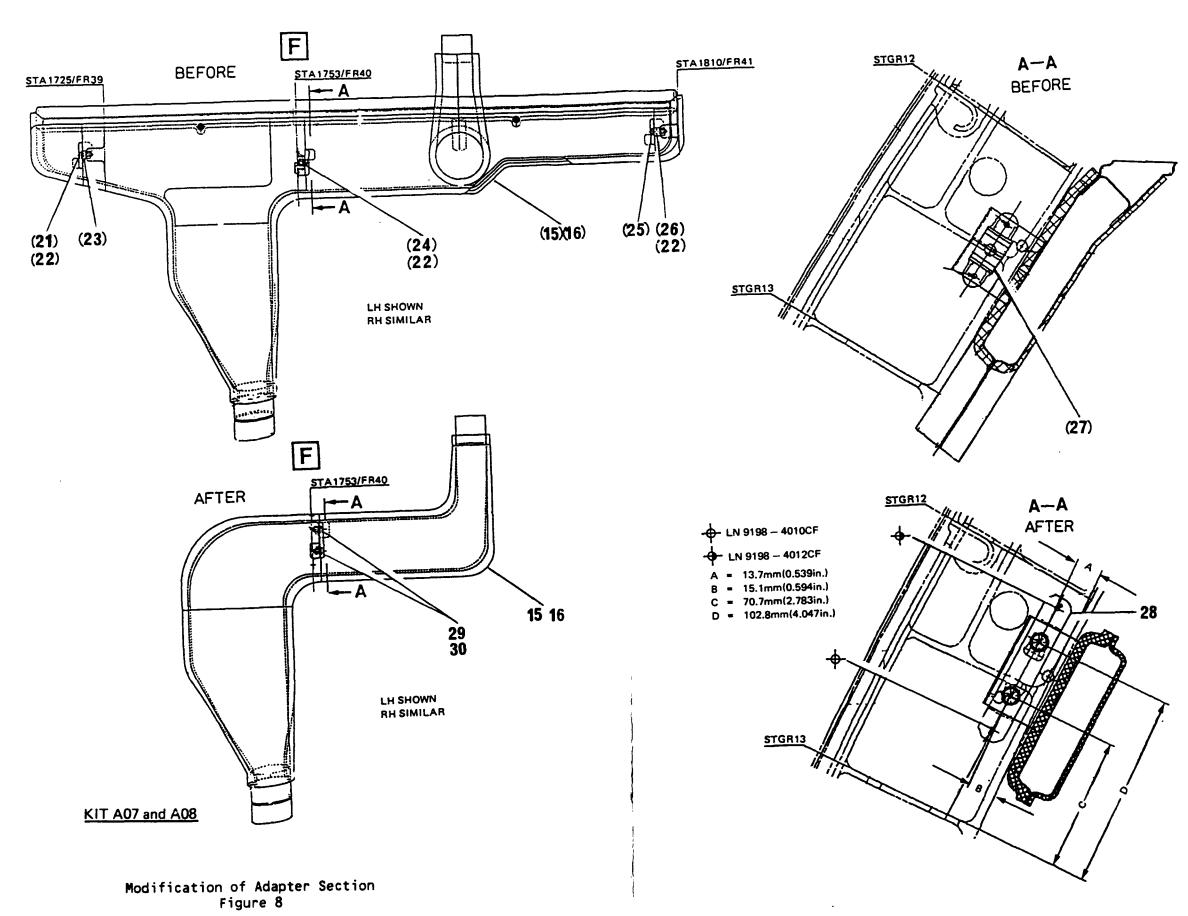
REVISION No. :

Printed in France

PAGE: 35/36







DATE : JUL. 02/90

SERVICE BULLETIN No.: A320-21-1021

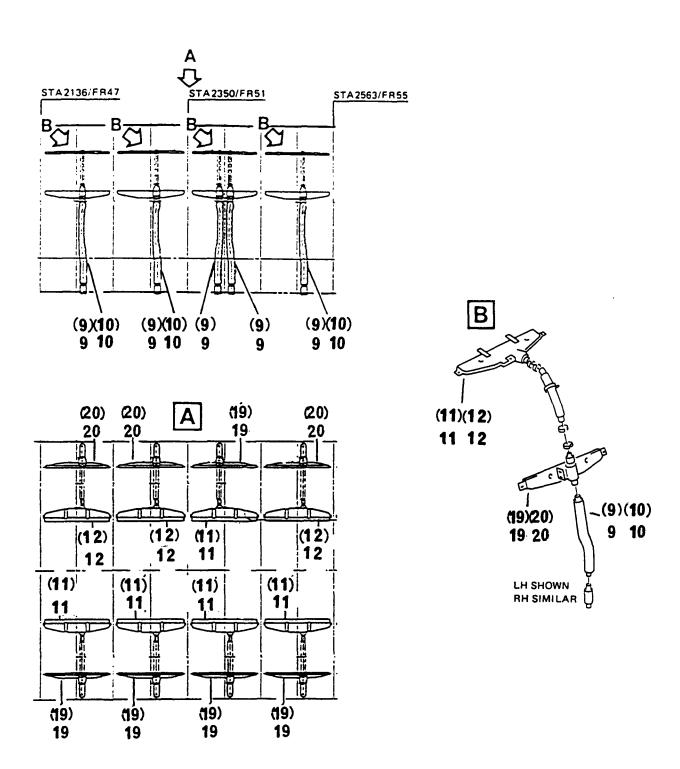
REVISION No. :

Printed in France

PAGE: 39/40

GA320

SERVICE BULLETIN

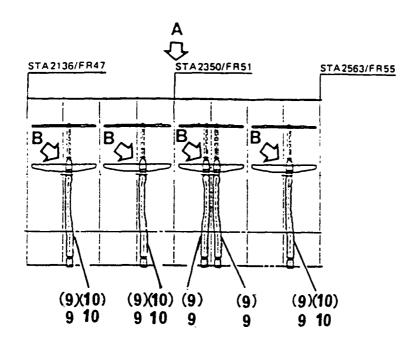


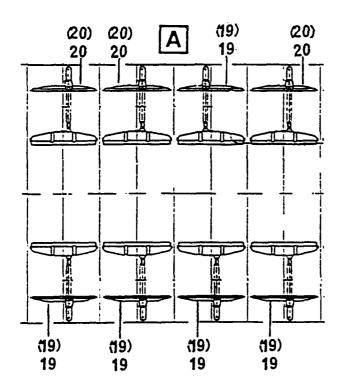
KIT A09

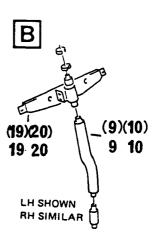
Replacement of Ducts and Cabin Air Outlets Figure 9

DATE: JUL. 02/90 SERVICE BULLETIN No.: A320-21-1021







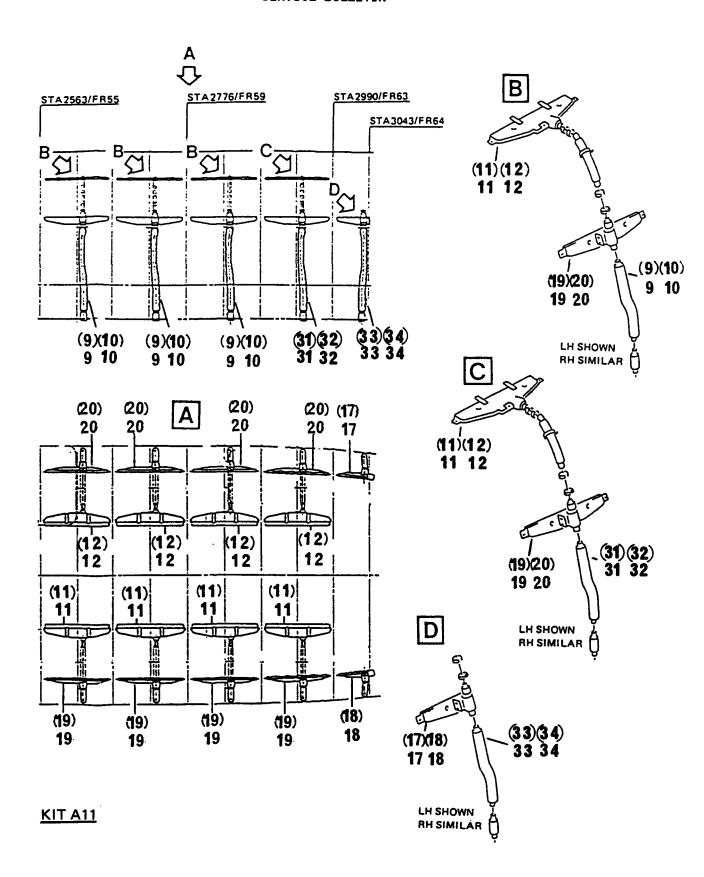


KIT A10

Replacement of Ducts and Cabin Air Outlets Figure 10

DATE: JUL. 02/90 SERVICE BULLETIN No.: A320-21-1021

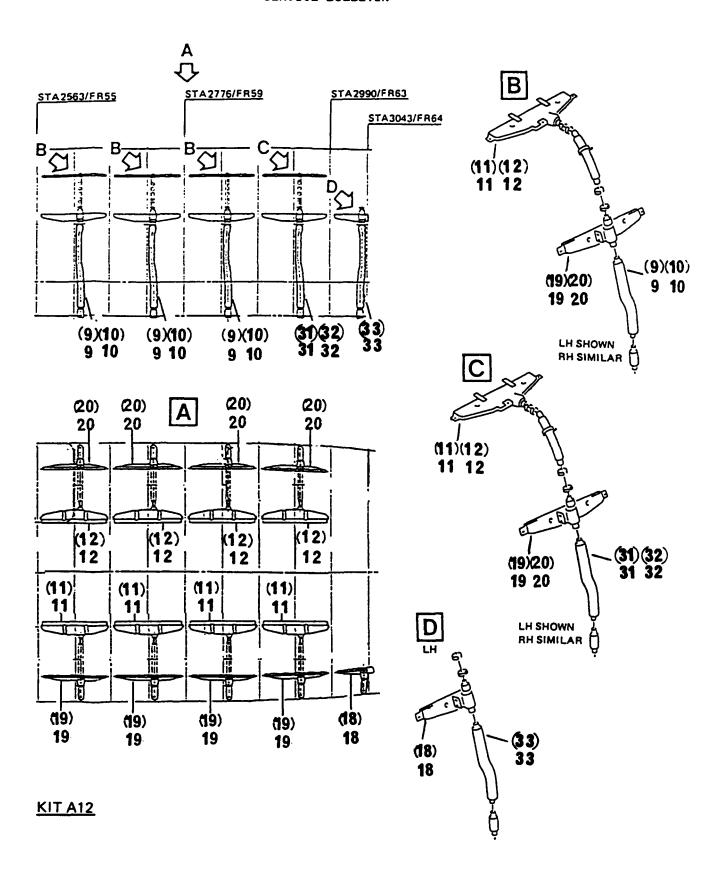
SERVICE BULLETIN



Replacement of Ducts and Cabin Air Outlets Figure 11

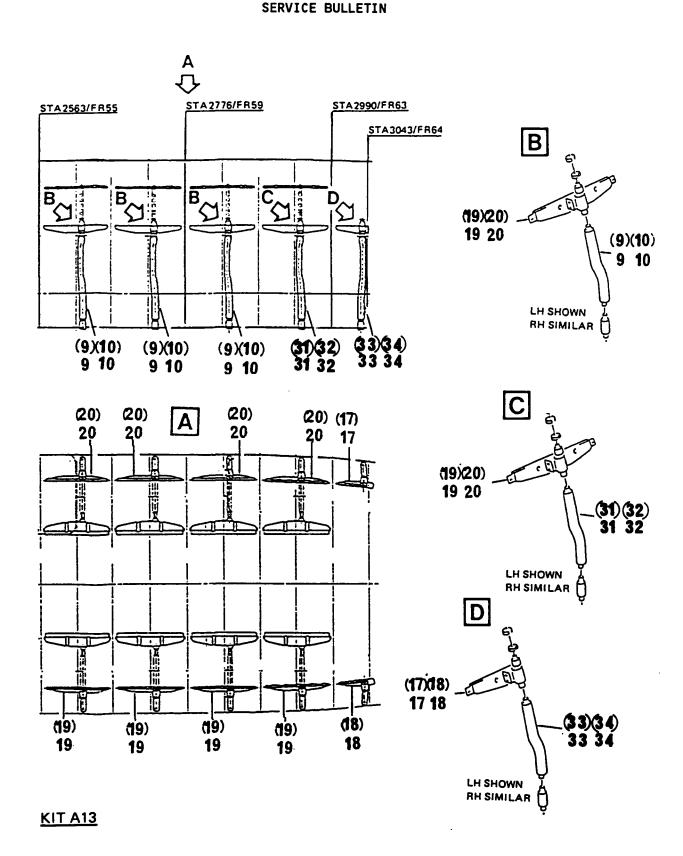
DATE: JUL. 02/90 SERVICE BULLETIN No.: A320-21-1021

SERVICE BULLETIN



Replacement of Ducts and Cabin Air Outlets Figure 12

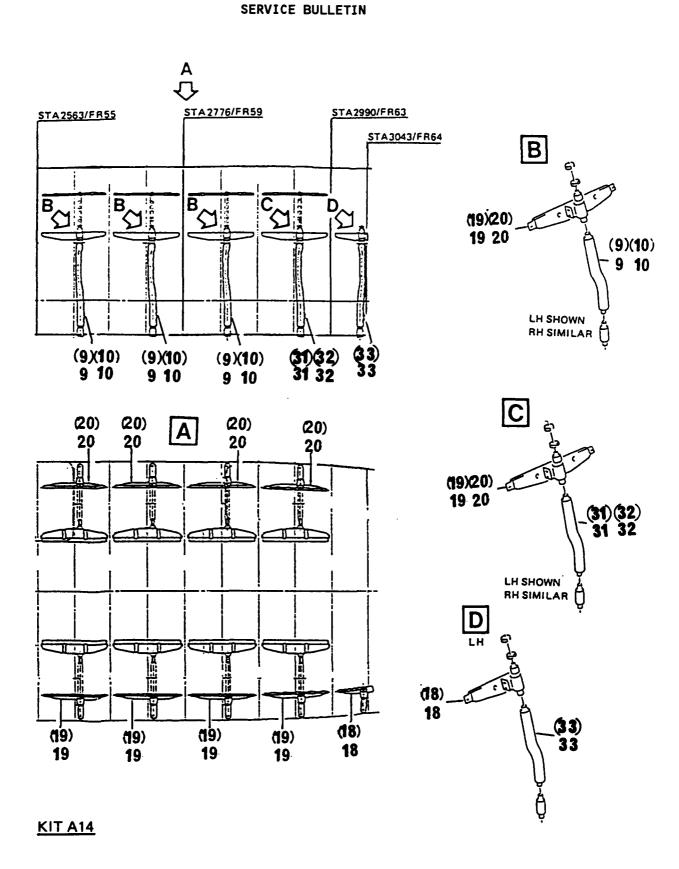
DATE: JUL. 02/90 SERVICE BULLETIN No.: A320-21-1021



Replacement of Ducts and Cabin Air Outlets Figure 13

DATE: JUL. 02/90 SERVICE BULLETIN No.: A320-21-1021

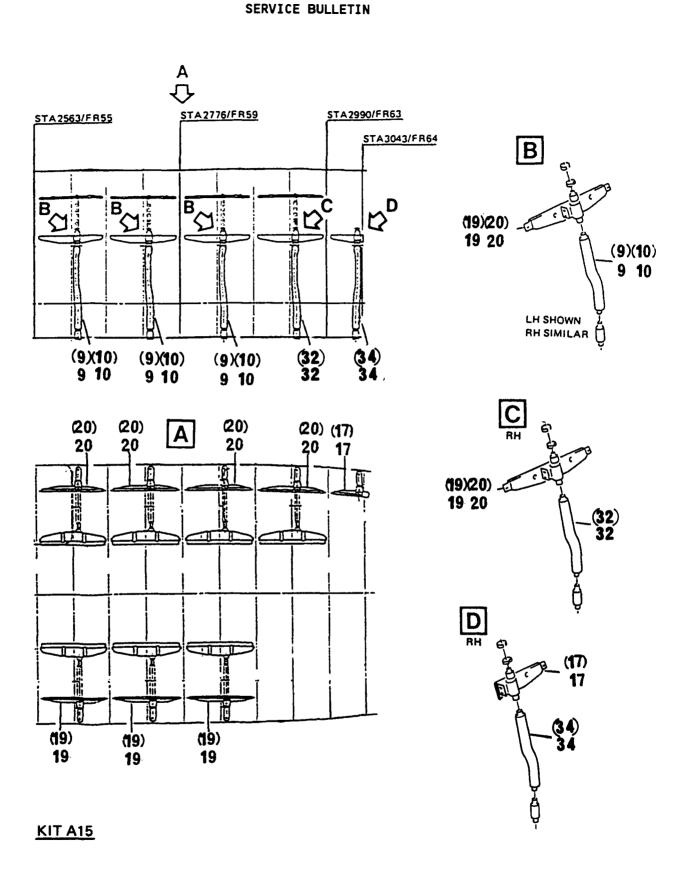
©A320



Replacement of Ducts and Cabin Air Outlets Figure 14

DATE: JUL. 02/90 SERVICE BULLETIN No.: A320-21-1021





Replacement of Ducts and Cabin Air Outlets Figure 15

DATE: JUL. 02/90 SERVICE BULLETIN No.: A320-21-1021

SERVICE BULLETIN No.

: A320-21-1021

3. MATERIAL INFORMATION

Basis for the following material data is per aircraft

A. LIST OF COMPONENTS

I T E M	NEW PART NO.			QTY		DESCRIPTION	I T E M	OLD PART NO.	I N T	INSTRUCTIONS/ DISPOSITION
	Kit No. 211021	<u>A01</u>	<u>A02</u>	<u>A03</u>	<u>A04</u>					
1	D2121113600000	1		1		Duct assy	(1)	D2121096100400 or		discard
								D2121096100000 or		discard
_		_	_					D2121046300000		discard
2	D2121113600100	1	1			Duct assy	(2)	D2121096100000 or		discard
								D2121046300000 or		discard
_		_	_	_	_	_		D2121096100000		discard
3	D2121113800000	3	3 3	3 3	3 3	Duct assy	(3)	D2121046300000		discard
_ 4	D2121113800100	3			3	Duct assy	(4)	D2121046300100		discard
5	D2121114100000	4	4	4	3	Outlet	(5)	D2121046400600 or		discard
								D2121046400000		
6	D2121114100100	4	3	3	3	Outlet	(6)	D2121046400700 or		discard
								D2121046400100		
7	D2121114200000	4	3 4	4	3 3	Outlet	(7)	D2121045400000		discard
8	D2121114200100	4	4	3	3	Outlet	(8)	D2121045400100		discard
	Kit No. 211021	<u>A06</u>								
3	D2121113800000	3				Duct assy	(3)	D2121046300000		discard
4	D2121113800100	3				Duct assy	(4)	D2121046300100		discard
5	D2121114100000	3				Outlet	(5)	D2121046400600 or		discard
								D2121046400000		discard
6	D2121114100100	3				Outlet	(6)	D2121046400700 or		discard
							•	D2121046400100		discard
7	D2121114200000	3				Outlet	(7)	D2121045400000		discard
8	D2121114200100	3				Outlet	(8)	D2121045400100		discard



DATE : Jul 02/90

PAGE: 50

I T E M	NEW PART NO.		QTY	DESCRIPTION	I T E M	OLD PART NO.	I N T	INSTRUCTIONS/ DISPOSITION
	Kit No. 211021	<u>A07</u>	<u>A08</u>					
17	D2127107900600	1	1	Outlet	(17)	D2127107900400 or		*
• • •	DE 121 101 700000	•	•	outtet	(1/)	D2127107901000		*
18	D2127107900700	1	1	Outlet	(18)	D2127107900500 or		*
10	DE 127 107 9007 00	•	·	outtet	(10)	D2127107901100		*
19	D2127111900000	2	2	Outlet	(19)	D2127106700400		discard
20	D2127111900000	2	2	Outlet	(20)	D2127106700400		discard
15	D2127111900100	1	1	Adapter	(15)	D2127107200200		discard
16	D2127112100000	i	1	Adapter	(16)	D2127107200200		discard
11	D2127112100100	5	•	Outlet	(11)	D2127106100200		discard
12	D2127112500000	5		Outlet	(12)	D2127106100200		discard
9	D2127112700000	4	4		(9)	D2127108100300 or		discard
7	DE 127 127 00000	4	4	Duct assy	(7)	D2127108100000 014		discard
10	D2127112700100	4	4	Nuct accu	(10)	D2127108100200 or		discard
10	DE 127 12700 100	4	4	Duct assy	(10)	D2127108100100 0F		discard
13	D2127112900000	1	1	Duck seed	(13)	D2127108100300 or		discard
13	DE 127 12900000		•	Duct assy	(13)	D2127108500000 OF		discard
14	D2127112900100	1	1	Duct anny	(14)	D2127108500200 or		discard
1-4	DE 127 12900 100	'	•	Duct assy	(14)	D2127108500300		discard
28	D2127245500000	2	9	Bracket	(27)	D2127052000000		discard
29	ASNA 0113-	7	2 7	Washer	(22)	ASNA 0113-48ADL		discard
27	48ADL	•	ŗ	MGSIICI	(22)	ASIA UTIS TOAUL		uiscaiu
30	NAS 1096-3-7	7	7	Screw	(24)	NAS 1096-3-7		discard
50	LN 9198-4010CF	4	4	Rivet	(24)	NA3 1090-3 1		u i Scai u
	LN 9198-4012CF	4	4	Rivet				
	NAS 1097 DD5-6	4	4	Rivet				
	NAS 1097 DD5-7	4	4	Rivet				
	ו כטט זכטו פאוו	7	7	Screw	(21)	NAS 1096-3-10		discard
				Screw	(26)	NAS 1096-3-10		discard
				Spacer	(23)	NSA 5527-03-04		discard
				-	(25)	NSA 5527-03-05		discard
				Spacer	(2))	H3A JJ21-U3-U3		uiscaru
	* Return to Air	bus I	ndustrie, Spare	s Support Center				



DATE : Jul 02/90

I T E M	NEW PART NO.			QTY			DESCRIPTION	I T E M	OLD PART NO.	I N T	INSTRUCTIONS/ DISPOSITION
	Kit No. 211021	A09	A10								
19	D2127111900000	5	5				Outlet	(19)	D2127106700400		discard
20	D2127111900100	3	3				Outlet	(20)	D2127106700500		discard
11	D2127112500000	5					Outlet	(11)	D2127106100200		discard
12	D2127112500100	3					Outlet	(12)	D2127106100300		discard
9	D2127112700000	5	5				Duct assy	(9)	D2127108100000 or		discard
	VETET TIETOCOC						vacc 2337	` '/'	D2127108100200 OF		discard
10	D2127112700100	3	3				Duct assy	(10)	D2127108100100 or		discard
.0	DE 121 1 121 00 100		•				buct assy	(10)	D2127108100300		discard
									DE 121 100 100300		distaid
	Kit_No. 211021	<u>A11</u>	<u> </u>	<u> A13</u>	A14	<u>A15</u>					
17	D2127107900600	71	AIL	1	<u> </u>	717	Outlet	(17)	D2127107900400 or		*
••	DE 121 101 700000	•		•		•	, ,	(11)	D2127107901000		*
18	D2127107900700	1	1	1	1		Outlet	(18)	D2127107901000 or		*
	DE 121 101 7001 00	•	•	•	1		outtet	(10)	D2127107901100		
19	D2127111900000	4	4	4	4	3	Outlet	(19)	D2127106700400		discard
20	D2127111900100	4	4	4	4	4	Outlet	(20)	D2127106700500		discard
11	D2127112500000	4	4	-	7	7	Outlet	(11)	D2127106100200		discard
12	D2127112500100	4	4				Outlet	(12)	D2127106100200		discard
9	D2127112700000	3	3	3	3	3	Duct assy	(9)	D2127108100000 or		discard
•	DE IEI I IEI COOCC			J			Duct assy	` '	D2127108100200		discard
10	D2127112700100	3	3	3	3	3	Duct assy	(10)	D2127108100100 or		discard
	DE 121 1 121 00 100		•	•	•		bucc ussy	(10)	D2127108100300		discard
31	D2127113100000	1	1	1	1		Duct assy	(31)	D2127108900000 or		discard
٠.	JE 121 1 13 100000	•	•	•	•		race assy	(31)	D2127108900200		discard
32	D2127113100100	1	1	1	1	1	Duct assy	(32)	D2127108900100 or		discard
7	PE 1E: 113 100 100	•	•	•	•	•	2001 0339	(JL)	D2127108900300		discard
33	D2127113300000	1	1	1	1		Duct assy	(33)	D2127109200000 or		discard
	JE 121 1 1000000	•	•	•	•			1337	D2127109200200 01		discard
34	D2127113300100	1		1		1	Duct assy	(34)	D2127109200200 or		discard
→ ¬	J2 121 1 13300 100	'		•		•	ruce door	(37)	D2127109200100 01		discard

SERVICE BULLETIN





B. SPECIAL TOOLS

None

C. LIST OF MATERIALS - OPERATOR SUPPLIED

DESCRIPTION	REFERENCE AMM 20-31-00	QTY PER A/C		
Primer	16-001	as required		
Top coat	16-002	as required		

D. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

DATE: JUL. 02/90 SERVICE BULLETIN No.: A320-21-1021

GA320 SERVICE BULLETIN

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

Tel: (33) 61-93-33-33 Telex: AIRBU 530526F

MODIFICATION No.: 21559K1641 K1642

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - MODIFY UPPER/LOWER CABIN AIR OUTLET DUCTS

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: AIRLINE : NAME : DATE: 19

Please return to:

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

Att. : AI/SP - Technical Publications Department

3 DATE : Jul 02/90 SERVICE BULLETIN No.: A320-21-1021

REVISION No. : 1- MAR. 21/91 **PAGE**: 1 of 1 Printed in France