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

REVISION TRANSMITTAL SHEET

T I T L E : AIR CONDITIONING - AIR COOLING SYSTEM - INTRODUCE MODIFIED RAM AIR INLET

MODIFICATION No. : 24371K3771 ATA SYSTEM : 21

Herewith Revision No. 1 of Service Bulletin A320-21-1088.

No additional work is required by this Revision.

REASON

This Revision is issued to do these changes:

Service Bulletin Summary Page 1 of 3	Para. EFFECTIVITY	- Updated and third column deleted
Service Bulletin Pages 1 of 25 thru 3	Para. 1.A.(2)	- Effectivity updated
Page 4	Para. 2.B.(2)	- Sentence added
Page 7/8	Para. 1.H.	- Weight and Balance changed
Page 11	Para. 2.B.(8)	- References changed
Page 13	Para. 2.F.(1)(c)	- Dimension changed

FILING INSTRUCTIONS:

Replace Service Bulletin Summary Pages 1 of 3 and Service Bulletin

Pages 1 of 25, 2, 3, 4, 7/8, 11 and 13.

Discard Change Notices 0.A. thru 0.D.

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

REVISION SEQUENCE

Original: Jul 28/94
Revision No.: 1- Aug 20/96

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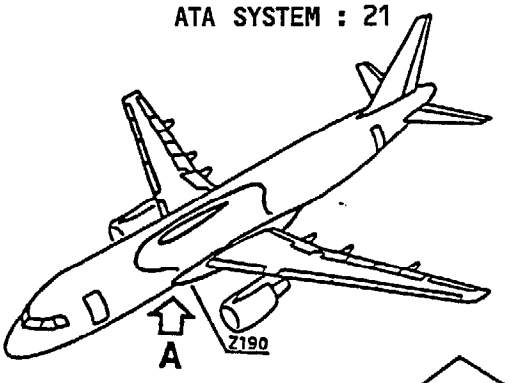
A320/A321
SERVICE BULLETIN
SUMMARY

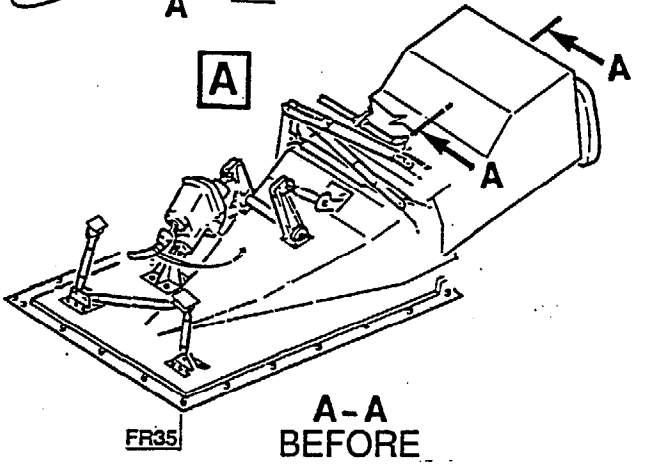
This summary is for information only
and is not approved for modification of the aircraft

T I T L E : AIR CONDITIONING - AIR COOLING SYSTEM - INTRODUCE MODIFIED RAM AIR INLET

MODIFICATION No. : 24371K03771

ATA SYSTEM : 21





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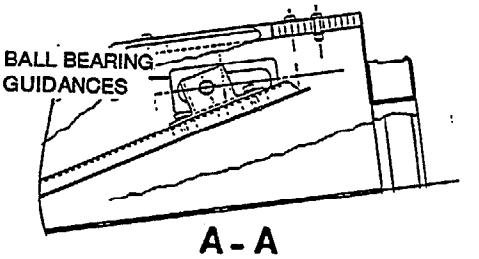

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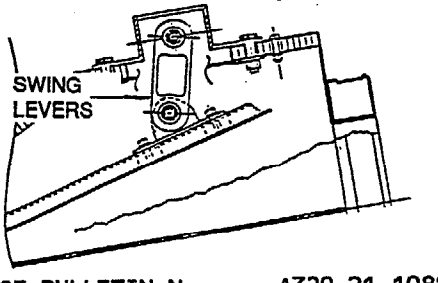

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Some A320 operators have experienced abnormal play in the ram air inlet flap assembly leading to stronger wear of ram air inlet components. this causes the air flow to be interrupted during specific operating conditions, resulting in higher loads and increased vibration.

This Service Bulletin introduces swing levers to the ram air flap assembly to replace the existing ball bearing guidances of the rear flap. The modification ensures free movement of the flap and eliminates abnormal play.

EFFECTIVITY

This Service Bulletin is applicable to these customer(s): AAA, ACA, ADR, AFR, AIB, ALK, AMC, ANA, AZA, BAW, BV, CDN, CYP, DLH, FHA, GFA, HP, IAC, IBE, ITF, KAC, MON, MSR, MXA, NWA, OYC, RJA, SAA, SHK, SWR, TAI, TAR, UAL, XF, XP, XR, XW and XZ.

This modification is embodied prior to delivery on A320 A/C MSN 540 and on A321 A/C MSN 385, 513, 514, 538 and subsequent.

SERVICE BULLETIN(S) TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

Service Bulletin A320-21-1037

REFERENCES/REPERCUSSIONS

TFU : 21.53.00.003

OEB : None

AOT : None

SIL : None

LIFE LIMIT : None

LINE MAINTENANCE AFFECTED : None

OTHER : None

NATURE OF THE WORK

Kit No. 211088A01

AIRCRAFT : NO

EQUIPMENT : YES

HARD : YES

SOFT : NO

OBRM : NO

COMPLIANCE

Desirable

MANPOWER

Kit No. 211088A01	AIRCRAFT	BENCH
TOTAL MANHOURS	7.5	3.5
ELAPSED TIME (HOURS)	3.5	

NOTE: The manpower is calculated for one ram air inlet only.

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MATERIAL INFORMATION

AIRCRAFT DATA

None

EQUIPMENT DATA

Kit No. 211088A01

Swing levers, swing lever supports, plates, side guides, ramp supports and acco-ciated hardware.

APPENDICES

None

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T I T L E : AIR CONDITIONING - AIR COOLING SYSTEM - INTRODUCE MODIFIED RAM AIR INLET

MODIFICATION No. : 24371K03771 ATA SYSTEM : 21

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft Models: 320-100, -111, -211, -212, -214, -231, -232, 321-111, -112, -131

(2) Aircraft

Customer and Fleet No.	MSN	Kit No. 211088	Qty of Kits
AAA 001-012	022, 023, 024, 025, 026, 027, 029, 030, 140, 142, 157, 229	A01	12
ACA 201-234	059, 068, 073, 084, 122, 126, 127, 141, 149, 150, 154, 159, 183, 233, 242, 248, 253, 254, 255, 265, 277, 290, 310, 311, 324, 330, 333, 341, 342, 350, 359, 378, 384, 426	A01	34
ADR 001-003	043, 113, 114	A01	3
AFR 001-002, 004-008	005, 007, 014, 019, 020, 021, 002	A01	7
031-048	061, 062, 063, 100, 101, 102, 128, 129, 133, 186, 187, 188, 226, 227, 228, 285, 286, 287	A01	18
106-107	131, 132	A01	2
AIB 001	258	A01	1
401-402	376,386	A01	2
ALK 001-002	374, 406	A01	2
AMC 001-002	112, 293	A01	2
ANA 001-020	138, 139, 148, 151, 167, 170, 196, 212, 219, 245, 300, 328, 365, 383, 413, 482, 501, 507, 531, 534	A01	20
AZA 001-010	477, 488, 494, 495, 434, 524, 526, 532, 515, 516	A01	10

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Customer and Fleet No.	MSN	Kit No. 211088	Qty of Kits
BAW 001-010	006, 008, 011, 017, 018, 039, 042, 103, 109, 120	A01	10
BV 051-052	185, 191	A01	2
CDN 401-405, 407-411, 415-416	174, 175, 210, 231, 232, 283, 284, 302, 305, 309, 403, 404	A01	12
CYP 001-008	028, 035, 037, 038, 180, 256, 295, 316	A01	8
DLH 001-010, 012-034	069, 070, 071, 072, 078, 083, 086, 093, 094, 104, 110, 111, 116, 117, 135, 137, 147, 161, 162, 172, 200, 201, 202, 209, 216, 217, 218, 267, 268, 269, 346, 382, 401	A01	33
101-110	458, 468, 473, 474, 484, 493, 412, 502, 505, 518	A01	10
FHA 001-002	332, 369	A01	2
GFA 801-814	313, 325, 345, 375, 419, 421, 438, 445, 459, 466, 481, 497, 536, 537	A01	14
HP 620-622, 624-629, 631-637	052, 053, 054, 055, 064, 065, 066, 067, 076, 077, 081, 082, 091, 092, 098, 099	A01	16
IAC 001-012, 014-031	045, 046, 047, 048, 049, 050, 051, 056, 057, 058, 074, 075, 080, 089, 090, 095, 096, 097, 396, 398, 416, 423, 431, 432, 451, 469, 486, 490, 492, 499	A01	30
IBE 001-022	134, 136, 143, 146, 158, 173, 176, 177, 199, 207, 223, 224, 240, 241, 246, 264, 266, 274, 303, 312, 323, 356	A01	22
ITF 001-003, 005-018, 020-027	010, 012, 013, 016, 033, 036, 044, 004, 003, 108, 115, 130, 155, 156, 184, 214, 239, 278, 337, 352, 236, 237, 377, 491, 525	A01	25
101-104	498, 509, 521, 529	A01	4
201-202	144, 145	A01	2
301-302	204, 211	A01	2

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Customer and Fleet No.	MSN	Kit No. 211088	Qty of Kits
ITF 401-403	215, 244, 270	A01	3
KAC 001-003	181, 182, 195	A01	3
MON 001-002	379, 389	A01	2
MSR 001-007	165, 166, 178, 194, 198, 351, 366	A01	7
MXA 001-010, 012,016	252, 259, 260, 261, 275, 276, 296, 320, 321, 353, 368, 433	A01	12
NWA 301-350	031, 032, 034, 040, 041, 060, 106, 107, 118, 121, 125, 152, 153, 160, 171, 192, 197, 206, 208, 213, 262, 263, 272, 273, 281, 282, 297, 298, 306, 307, 318, 319, 329, 339, 340, 355, 358, 360, 367, 372, 380, 381, 387, 388, 399, 400, 408, 410, 417, 418	A01	50
OYC 001-006	163, 164, 168, 169, 179, 193	A01	6
RJA 001-002	087, 088	A01	2
SAA 001-007	243, 249, 250, 251, 334, 335, 440	A01	7
SHK 001-003	322, 326, 344	A01	3
SWR 226	533	A01	1
276-280	517, 519, 520, 522, 535	A01	5
TAI 051-054	448, 453, 460, 461	A01	4
TAR 001-008	119, 124, 205, 370, 390, 402, 123, 511	A01	8
UAL 401-429	435, 439, 442, 450, 452, 454, 456, 457, 462, 463, 464, 465, 470, 472, 475, 479, 483, 485, 487, 489, 500, 503, 504, 506, 508, 510, 512, 523, 539	A01	29
XF 001-009	393, 394, 414, 430, 443, 447, 415, 405, 361	A01	9
053-056	428,496,527,530	A01	4
101	425	A01	1
501-502, 504-508	446, 422, 371, 397, 409, 427, 528	A01	7
551	279	A01	1

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Customer and Fleet No.		MSN	Kit No. 211088	Qty of Kits
XP	001	085	A01	1
	051-059, 062-063	203, 220, 221, 222, 294, 299, 301, 348, 349, 391, 392	A01	11
	502-503, 504-505	362, 363, 455, 471	A01	4
XR	501-525	225, 230, 238, 247, 257, 271, 280, 291, 292, 304, 308, 314, 315, 317, 327, 336, 338, 429, 444, 449, 467, 476, 478, 480, 437	A01	25
XW	501-506, 509	347, 354, 357, 373, 411, 424, 441	A01	7
XZ	003-004	189, 190	A01	2
	101-110	234, 235, 288, 289, 331, 343, 395, 407, 420, 436	A01	10
UNASSIGNED AIRCRAFT				
		364	A01	1

This modification is embodied prior to delivery on A/C MSN 385, 513, 514, 538, 540 and subsequent.

(3) Spares

None

B. REASON

(1) History

Some A320 operators have experienced abnormal play in the ram air inlet flap assembly leading to stronger wear of ram air inlet components. This causes the air flow to be interrupted during specific operating conditions, resulting in higher loads and increased vibration.

(2) Objective/Action

This Service Bulletin introduces swing levers to the ram air flap assembly to replace the existing ball bearing guidances of the rear flap. The modification ensures free movement of the flap and eliminates abnormal play.
It is recommended to continue with the inspections in accordance with Service Bulletin A320-21-1062 for the present of backlash.

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(3) Advantages

To avoid wear of ram air inlet components and subsequent damages.

(4) Operational/Maintenance Consequences

None

(5) Accomplishment Timescale

In accordance with operator's experience.

C. DESCRIPTION

AIRCRAFT

To accomplish this Service Bulletin it is necessary to:

(1) Gain access to the pack ram air inlets, LH and RH.

(2) Remove the pack ram air inlets, LH and RH.

(3) Install the pack ram air inlets, LH and RH.

(4) Adjust the ram air inlet flap assemblies.

(5) Test the pack temperature control system.

(6) Install the belly fairing access panels.

BENCH

(7) Modify the pack ram air inlets.

D. APPROVAL

The design data contained in this Service Bulletin has been approved under the authority of DGAC Design Organisation Approval No. C01.
The changes specified in this Service Bulletin have been approved by the DGAC when they are major, or under the authority of DGAC Design Organisation Approval No. C01, when they are minor.

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E. MANPOWER

This Service Bulletin is written for an aircraft in a maintenance condition. The manhours/elapsed time estimates do not include the time to prepare for the modification, non-productive elapsed times or administration.

	Manhours	
Kit No. 211088A01	AIRCRAFT	BENCH
Gain access	2.0	
Removal	1.0	
Modification		3.5
Installation	1.5	
Close-up	2.0	
Test	1.0	
TOTAL MANHOURS	7.5	
ELAPSED TIME (HOURS)	3.5	

NOTE: The manpower is calculated for one ram air inlet only.

F. MATERIAL - COST AND AVAILABILITY

(1) Material

Customers with aircraft shown in paragraph 1.A.(2) should send a purchase order to Airbus Industrie. Quote the number of this Service Bulletin. The address is:

AIRBUS INDUSTRIE
AIRSPARES
MATERIAL SUPPORT CENTER
WEG BEIM JAEGER 150
22335 HAMBURG
GERMANY

(2) Cost and Availability

Kit No.	Cost (US Dollars)	Availability (Calendar days from receipt of order)
211088A01	FOC	150

NOTE: The sales terms (cost and availability) are estimated in relation to economic conditions at the issue date of this Service Bulletin.

G. TOOLING - PRICE AND AVAILABILITY

None

H. WEIGHT AND BALANCE

Kit No. 211088A01

Manufacturers Empty Weight : + 3.100 kg (+ 6.835 lb)
Effect on balance : + 48.336 kgm (+ 349.610 lb. ft.)

I. REFERENCES

Aircraft Maintenance Manual (AMM): 06-41-53, 12-34-24, 20-21-12, 20-28-00, 21-51-00, 21-52-42, 21-61-00, 21-61-51, 24-41-00, 52-10-00, 53-35-15

Service Bulletin (SB): A320-21-1037, A320-21-1062

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog (IPC): 21-52-03

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2. ACCOMPLISHMENT INSTRUCTIONS

AIRCRAFT

WARNING: MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR AND THE WHEEL CHOCKS ARE IN POSITION.

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

A. GENERAL

(1) Preparation

(a) De-energize the aircraft electrical circuits (Refer to AMM 24-41-00, P. Block 201).

(b) Electrically ground the aircraft (Refer to AMM 12-34-24, P. Block 201)

(c) Put the access platform in position.

(d) Open a passenger/crew door (Refer to AMM 52-10-00, P. Block 201).

(e) Open, safety and tag these circuit breakers:

PANEL	SERVICE	IDENT.	LOCATION
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/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

(f) Put a warning notice in the cockpit to tell the persons not to operate the air cooling system (Refer to AMM 21-51-00, P. Block 501).

(g) Remove and retain the belly fairing access panels 191BB, 191KB, 192FB and 192KB (Refer to AMM 06-41-53, P. Block 1 and 53-35-15, P. Block 401).

(h) Put blanking caps on open duct ends.

(i) Put blanking caps on disconnected line ends.

(2) Standard Practices

(a) Refer to the CML for the specification of the material numbers.

(b) Clean the work area with cleaning agent, Mat. No. 11-016.

(c) Do electrical bonding in accordance with the AMM 20-28-00, P. Block 201.

(d) Install screws with anti-corrosion compound, Mat. No. 05-002.

(e) To torque threaded components refer to AMM 20-21-12, P. Block 1.

B. MODIFICATION

NOTE: The Service Bulletin A320-21-1037 must be accomplished previously or simultaneously.

(1) Disconnect the water hoses from the water injectors 20 HM and 21HM (Ref. AMM 21-61-51, P. Block 401 and 21-52-42, P. Block 401).

(2) Electrically disconnect the air inlet flap actuators 8HH and 28HH (Ref. AMM 21-61-51, P. Block 401).

(3) Remove the pack ram air inlets, items 1 and 2 (Ref. AMM 21-61-51, P. Block 401) from the aircraft for modification on bench.

(4) Install the modified pack ram air inlets items 1 and 2 (Ref. AMM 21-61-51, P. Block 401).

(5) Electrically re-connect the air inlet flap actuators 8HH and 28HH (Ref. AMM 21-61-51, P. Block 401).

(6) Re-connect the water hoses to the water injectors 20 HM and 21HM (Ref. AMM 21-61-51, P. Block 401 and 21-52-42, P. Block 401).

(7) Check of the gap between intake nose and diffuser ramp.

Refer to Figure 2

NOTE: This procedure will be performed at the actual position of the electrical actuator without any special tools.

(a) Set markings to the position as follows, shown in detail C.

1 At the diffuser ramp, item 3:

- distance approx. 10mm (0394in.) from the flap hinge

- lateral distance approx. center of the intake

2 At the intake nose, item 37:

- distance approx. 10mm (0.394in.) from the edge of the intake nose, item 37

- lateral distance approx. center of the intake

(b) Measure the actual rod position 'A' of the electrical actuator, item 14, shown in detail B

(c) Transfer the measured distance 'A' to the graph and determine the flap position 'B' (inlet gap) with the graph.

(d) Measure the gap between the marked positions at the intake nose, item 37 and the diffuser ramp, item 3.

(8) Compare the determined inlet gap 'B' with the actual diffuser ramp position 'B', shown in detail C

- If the actual diffuser ramp position (inlet gap) is in the determined position 'B', proceed with Para. 2.B.(10).

- If the actual diffuser ramp position (inlet gap) is not in the determined position 'B', proceed with Para. 2.B.(9).

NOTE: The tolerance of the compared diffuser ramp position is +1.5mm (0.059in.).

(9) Adjustment of the gap between intake nose and diffuser ramp

(a) Disconnect the mechanism at the rod of the electrical actuator, item 34 in accordance with the AMM 21-61-51, P. Block 401.

NOTE: Do not change the settings of the rod, item 36.

NOTE: Do not turn out the eye-end of the setting device, item 35 more than 6mm (0.236in.).

(b) Adjust flap position by rotating the rod end half a turn (half turn corresponds to 0.5mm (0.019in.) movement.

(c) After the adjustment, connect the mechanism in accordance with the AMM 21-61-51, P. Block 401 and torque tighten the lock nut to 0.6 daNm (53.09 lb.in.) and secure with the tap washer.

(10) Make sure that the work area is clean and clear of tools and other items.

C. TESTS

(1) Remove the safety clips and tags and close the circuit breakers opened in Para. 2.A.(1)(e).

(2) Energize the aircraft electrical circuits (Refer to AMM 24-41-00, P. Block 201).

WARNING: BEFORE YOU START THE TEST, MAKE SURE THAT THERE ARE NO PERSONS NEAR THE RAM AIR OUTLET DOORS.

(3) Do the operational test of the pack temperature control system (Refer to AMM 21-61-00, P. Block 501).

D. CLOSE-UP

(1) Install the retained belly fairing access panels 191BB, 191KB, 192FB and 192KB (Refer to AMM 06-41-53, P. Block 1 and 53-35-15, P. Block 401).

(2) Remove the warning notice in the cockpit.

(3) Close the FWD passenger/crew door (Refer to AMM 52-10-00, P. Block 201).

(4) Remove the access panel.

(5) Restore the aircraft to normal operating condition.

E. DOCUMENTATION

Write in the applicable aircraft records that you have done all the work given in this Service Bulletin.

BENCH

F. REMOVED COMPONENTS AND SPARES

NOTE: Item numbers in brackets show parts which have to be modified or discarded.
Part numbers of removed parts are specified in Para. 3. Material Information.

NOTE: The procedures are given for the ram air inlet LH; RH is similar.

(1) Modification of the ram air inlet

Refer to Figure 1

(a) Remove and retain the high pressure bellows from the rear of the air inlet diffuser, item 4 (Refer to AMM 21-61-51, P. Block 401).

(b) Remove from the ram air inlet, item 1 and item 2 these items:

screw	item 5	retain
washer	item 6	retain
nut	item (7)	discard
nut	item (8)	discard
washer	item (9)	discard
cover plate	item (10)	discard
screw	item (11)	discard
washer	item (12)	discard
bolt	item (13)	discard
bearing	item (14)	discard
nut	item (15)	discard
washer	item (16)	discard
cover	item 17	retain
guide bar bracket	item (18)	discard
screw	item 19	retain
washer	item 20	retain
ramp support	item (21)	discard

as shown in section A-A and B-B.

(c) Drill through the existing inserts first with 4.0mm (0.157in.) than with 6.4mm (0.252in.)

(d) Connect the swing lever, item 22 to the ramp support, item 21 with these items:

bush	D2157101021000	item 29
bush	D2157101021200	item 30
bush	D2157101020800	item 32

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bolt	NAS6704U15	item 31	
washer	NSA5305-4C	item 28	
nut	MS21042-4	item 27	

as shown in section B-B and detail D.

(e) Install the ramp support D2157101020600, item 21 to the diffuser ramp, item 3 with these items:

guide piece	D2157115820000	item 25	
screw		item 5	retained
washer		item 6	retained
nut	MS21043-3	item 7	

as shown in section B-B and C-C.

(f) Install the swing lever support D2157101020000, item 23 to the inlet air diffuser, item 4 with these items:

sheet	D2157100800000	item 24
washer	AN960C416L	item 12
bolt	NAS1304-10H	item 11

as shown in section A-A.

(g) Install the swing lever D2157113100000, item 22 to the swing lever support, item 23 with these items:

bush	D2157101021000	item 29
bush	D2157101021200	item 30
bush	D2157101020800	item 32
bolt	NAS6704U15	item 31
washer	NSA5305-4C	item 28
nut	MS21042-4	item 27

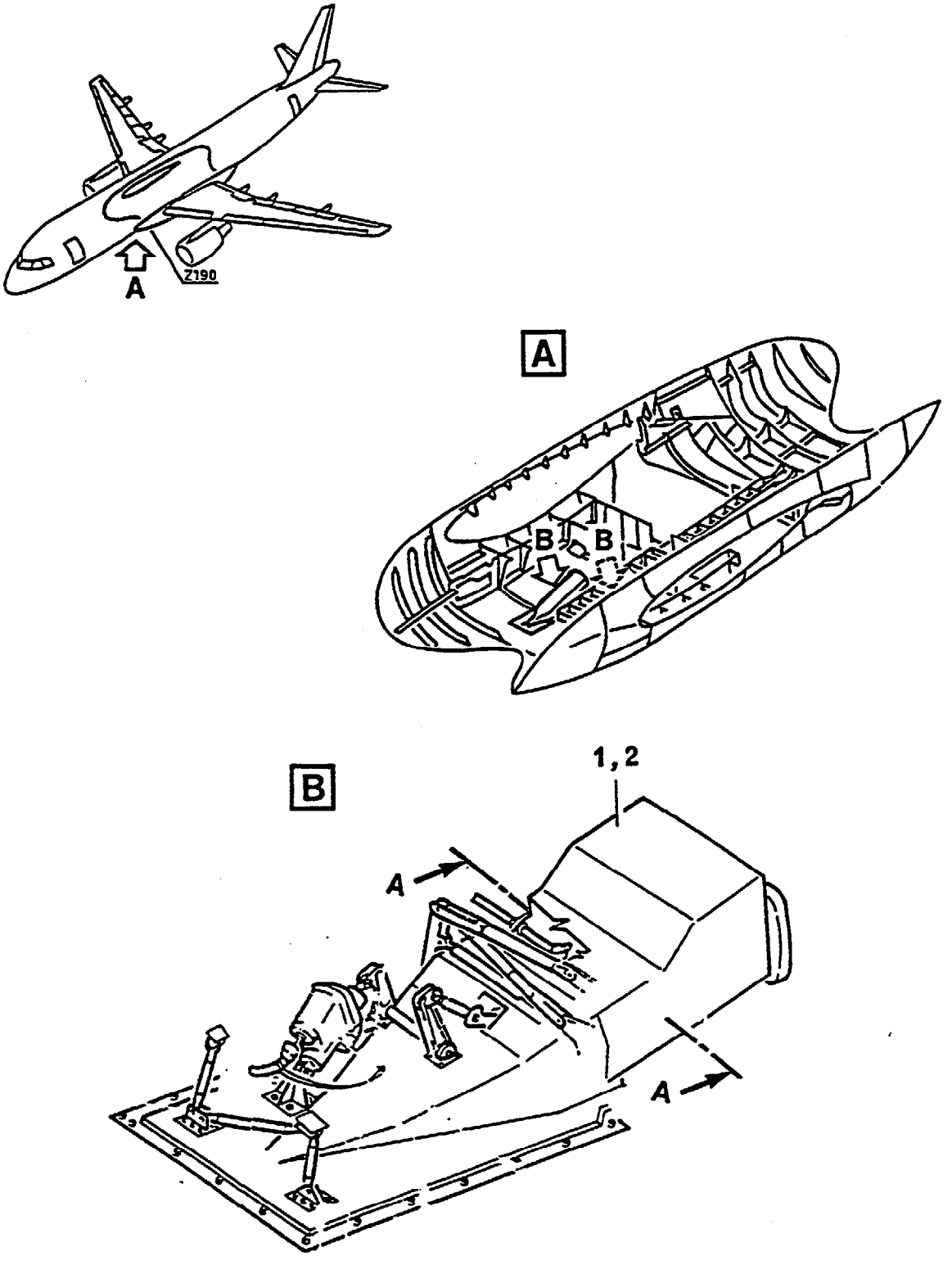
as shown in detail D.

(h) Secure the bolts, item 11 with lockwire LN9424-1.4314.9-0.8, item 33 as shown in detail E.

(i) Install the side guide D2157101021400, item 18 to the inlet air diffuser, item 4 with the retained washers, item 6 and screws, item 5 and bolts MS21042-3, item 26 as shown in section A-A and detail C.

(j) Install the retained cover, item 17 with the retained washers, item 20 and screws, item 19.

(k) Install the retained high pressure bellows to the rear of the inlet air diffuser, item 4 (Refer to AMM 21-61-51, P. Block 401).



Component Location
Figure 1, Sheet 1 of 3

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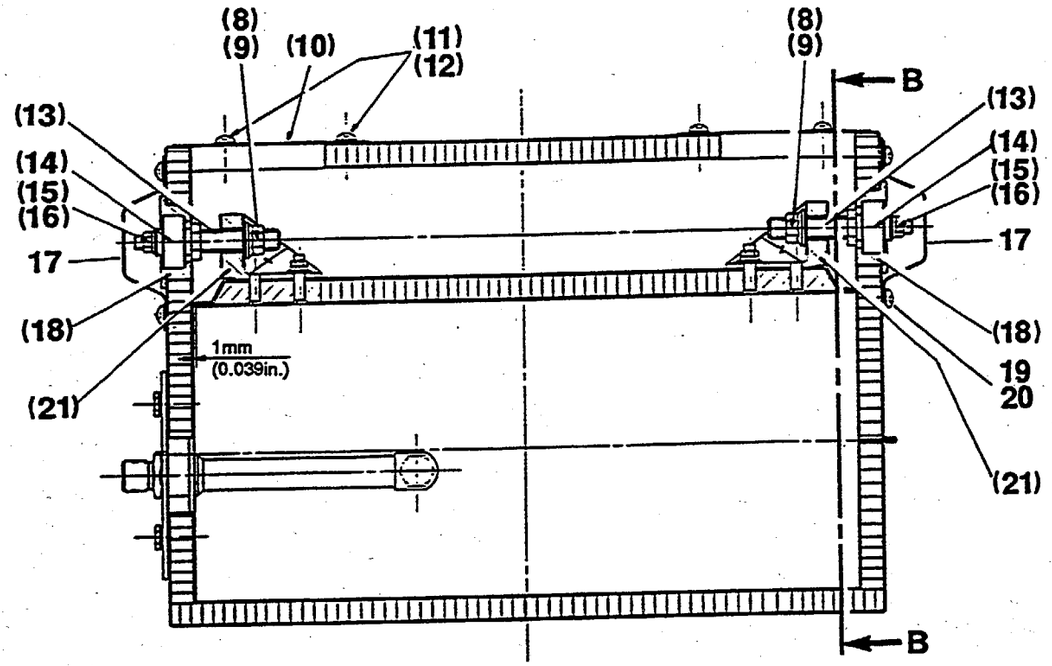
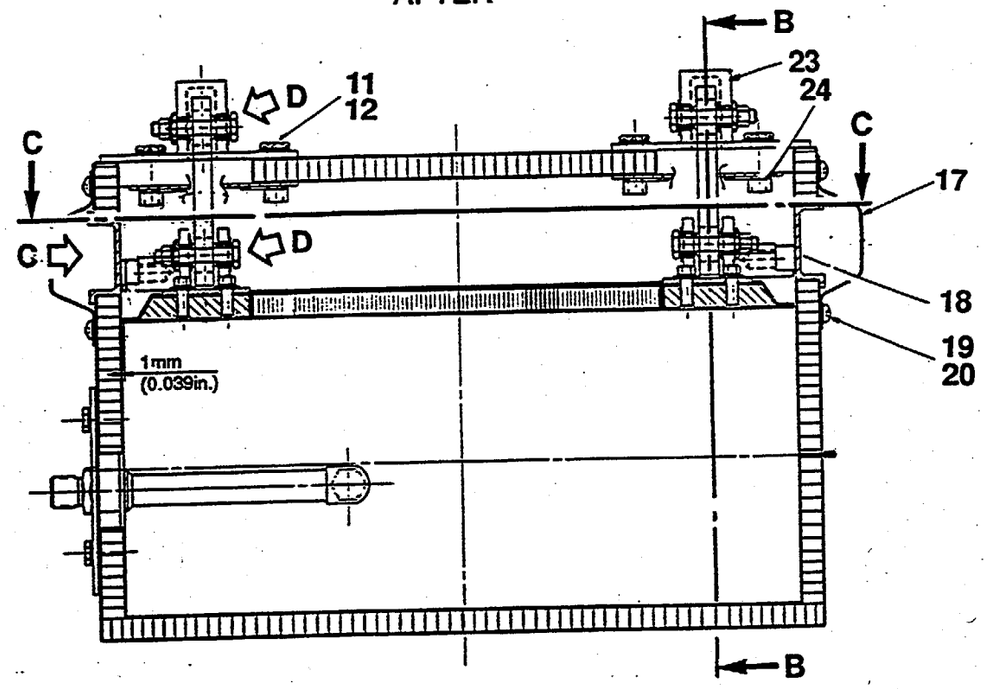
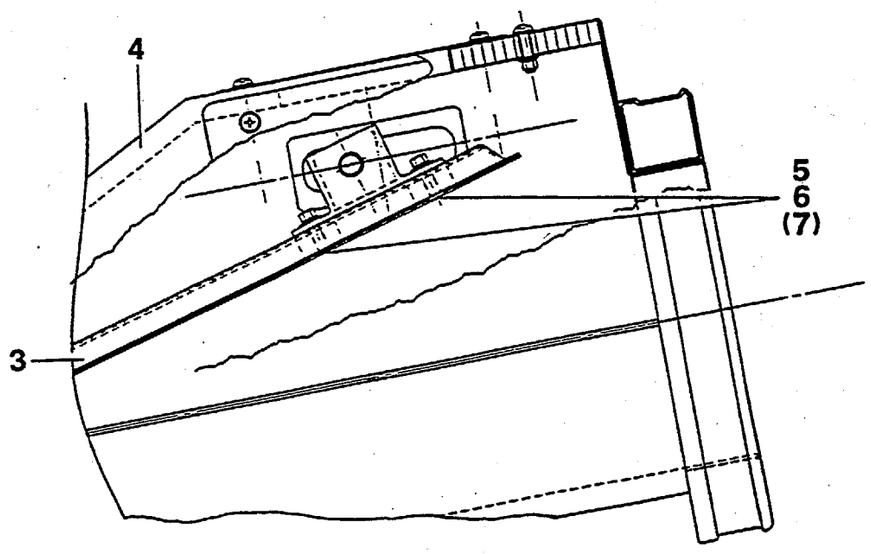
A-A
BEFORE



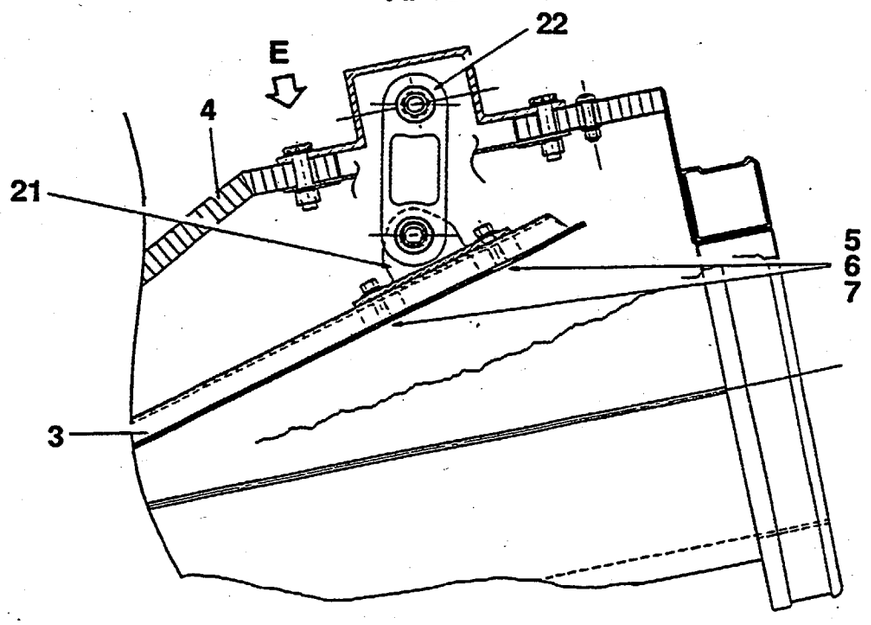
A-A
AFTER



B-B
BEFORE



B-B
AFTER



Modification of the Ram Air Inlet
Figure 1, Sheet 2 of 3

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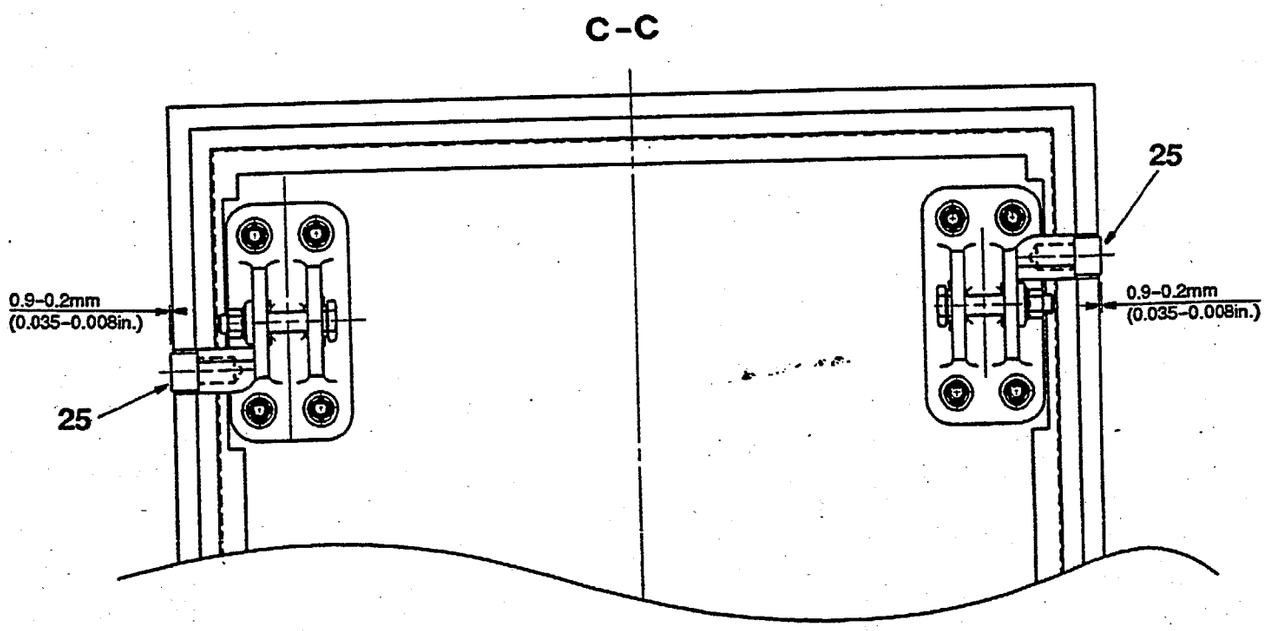
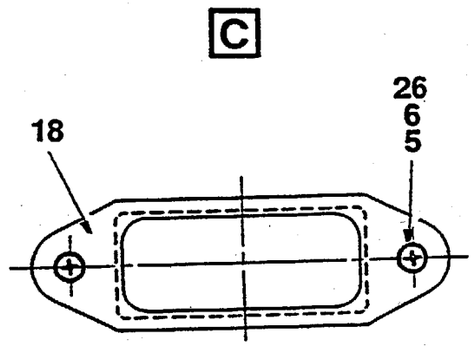
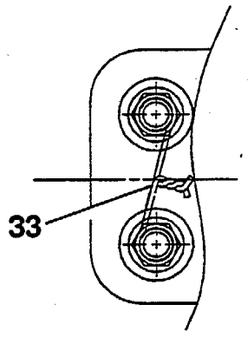
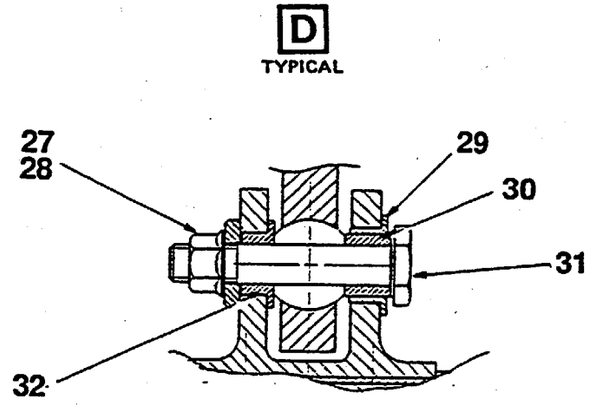
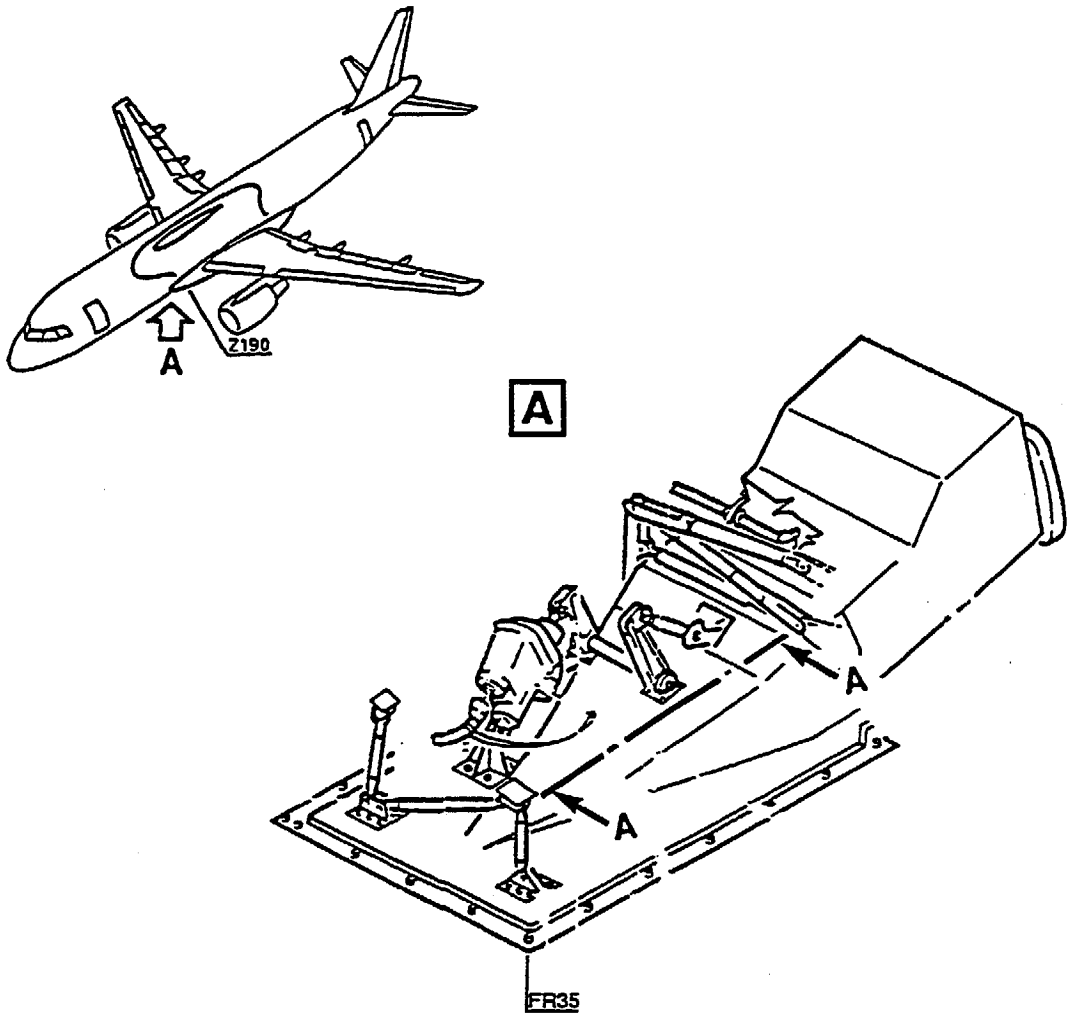




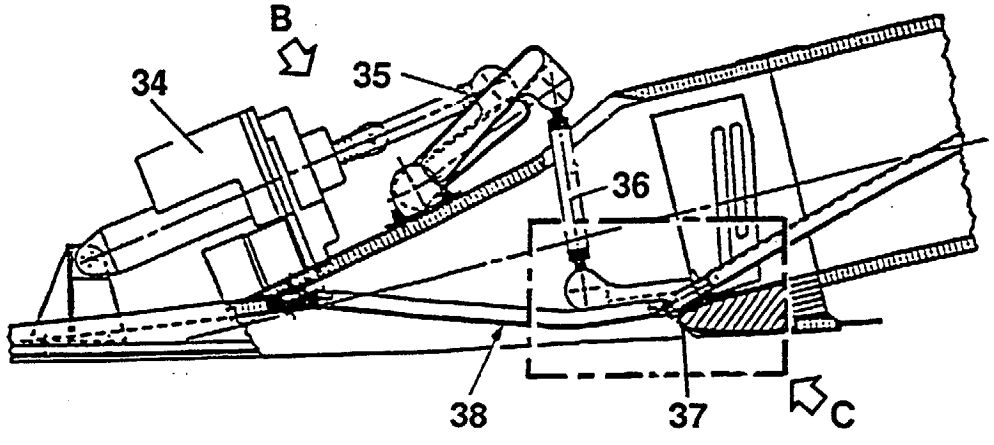




Modification of the Ram Air Inlet
Figure 1, Sheet 3 of 3



A-A



Adjustment of the Ram Air Inlet
Figure 2, Sheet 1 of 2

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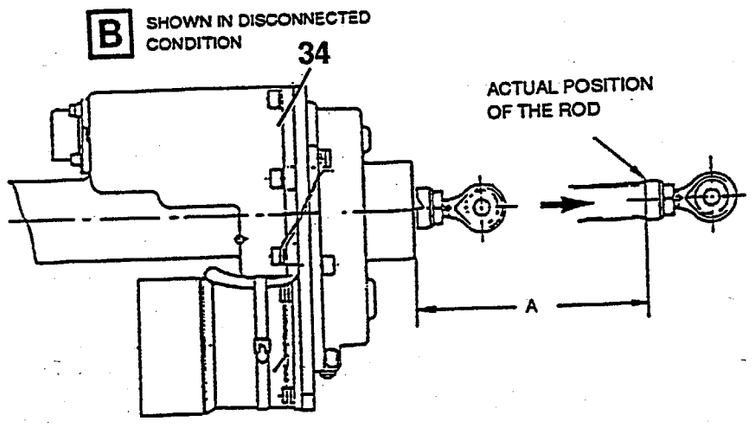
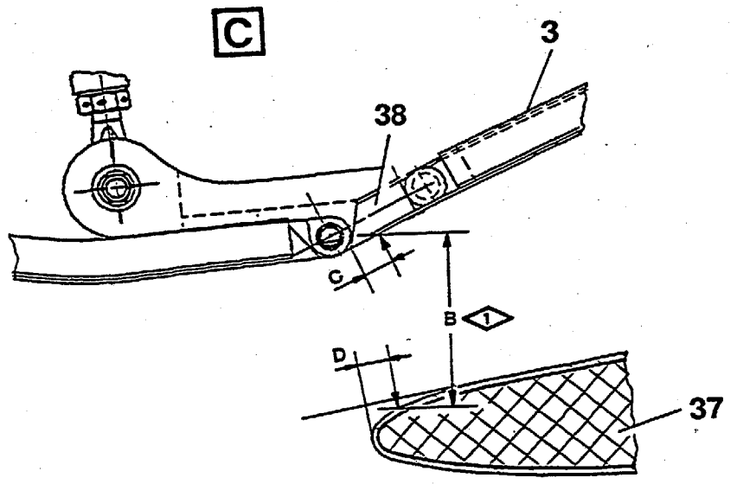
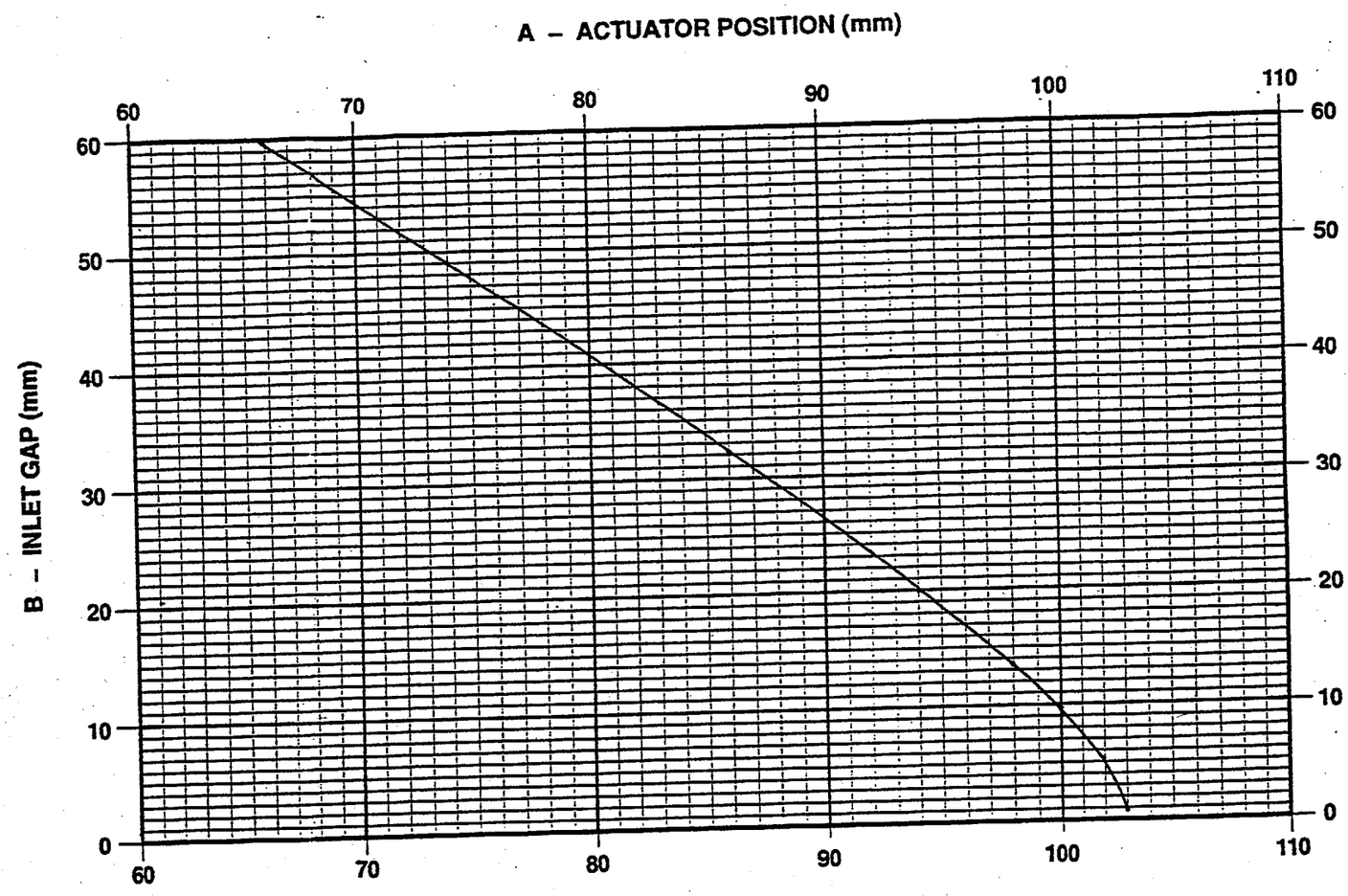




A = TO BE MEASURED !
B = TO BE DETERMINED WITH THE GRAPH (SEE RH SIDE)
TOLERANCE +1.5 mm (0.059 in.)
C = 10 mm (0.394 in.) TO FLAP HINGE
D = 10 mm (0.394 in.) FROM EDGE

<1> LATERAL POSITION IS APPROX. CENTER OF THE INTAKE



A – ACTUATOR POSITION (mm)

mm	in.
2	0.078
4	0.157
6	0.236
8	0.315
10	0.394
12	0.472
14	0.512
16	0.630
18	0.708
20	0.787

mm	in.
22	0.866
24	0.945
26	1.023
28	1.102
30	1.181
32	1.260
34	1.338
36	1.417
38	1.496
40	1.575

mm	in.
42	1.653
44	1.732
46	1.811
48	1.889
50	1.968
52	2.047
54	2.126
56	2.205
58	2.283
60	2.362

Adjustment of the Ram Air Inlet
Figure 2, Sheet 2 of 2

3. MATERIAL INFORMATION

A. LIST OF COMPONENTS

ITEM	NEW PART NO.	QTY	KEYWORD	ITEM	OLD PART NO.	INT	INST DISP
Kit No. 211088A01							
7	MS21043-3	16	Nut				
11	NAS1304-10H	16	Bolt				
12	AN960C416L	16	Washer				
18	D2157101021400	4	Side guide	(18)	D2157114600000		*
21	D2157101020600	4	Ramp support	(21)	D2157114020000		*
22	D2157113100000	4	Swing lever				
23	D2157101020000	4	Swing lever support				
24	D2157100800000	4	Sheet				
25	D2157115820000	4	Guide piece				
26	MS21042-3	8	Nut				
27	MS21042-4	8	Nut				
28	NSA5305-4C	8	Washer				
29	D2157101021000	16	Bush				
30	D2157101021200	16	Bush				
31	NAS6704U15	8	Bolt				
32	D2157101020800	16	Bush				

* discard

B. SPECIAL TOOLS

None

C. LIST OF MATERIALS - OPERATOR SUPPLIED

DESCRIPTION	REFERENCE TO CML	QTY PER A/C
Anti-corrosion compound	Mat. No. 05-002	as required
Cleaning agent	Mat. No. 11-016	as required
Lockwire LN9424-1.4314.9-0.8		as required

D. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

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

A320/A321
SERVICE BULLETIN

T I T L E : AIR CONDITIONING - AIR COOLING SYSTEM - INTRODUCE MODIFIED RAM AIR INLET

MODIFICATION No. : 24371K03737 ATA SYSTEM : 21

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