***A319/A320/A321***

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SERVICE BULLETIN

SUMMARY

AIRBUS INDUSTRIE

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice BELLONTE

31707 BLAGNAC CEDEX FRANCE

Tel: (33) 5 61-93-33-33

Telex: AIRBU 530526 F

This summary is for information only

and is not approved for modification of the aircraft

TITLE : AIR CONDITIONING - GENERAL - INSTALL "LE BOZEC" AVIONICS

FILTER SYSTEM (P/N 57514-31 AND P/N 4200A200-4) .

MODIFICATION No . : 26739 P5104 ATA SYSTEM : 21

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

This Service Bulletin is published to advise all operators of A319, A320 and A321 aircraft equipped with "LE BOZEC" avionics ventilation filter system of the issue of LE BOZEC FILTRATION SYSTEMS (LBFS) Service Bulletin No . 34800A200-21-04 .

As part of the maintenance cost reduction program, the LBFS avionics

ventilation system has been identified as the system with the highest

potential for maintenance cost savings .

In the avionics compartment, on the avionics ventilation filter system,

this Service Bulletin proposes :

- To fit the filter housing with pressure test ports to determine the

clogging level of the demister and dust filter

- To replace the one element dust filter cartridge by a dust filter

cartridge composed of two elements : a cartridge body and a cartridge

filter element .

The following improvements permit a significant reduction of the direct

maintenance cost of the avionics ventilation filter :

- Increase of the demister and the dust separator filter life time

- The pressure test ports added on the filter housing permit the "on

the condition of a delta pressure" maintenance concept instead of

the current "hard time removal" maintenance concept . This new

maintenance concept optimizes the cleaning and removal intervals

of the demister and dust filter in accordance with the operator’s

operational conditions .

- Decrease of the spare price of the dust separator filter

- The new version of the dust filter cartridge composed of two

elements, permits the replacement of the filtering element instead

of the whole cartridge, thus minimizing the cost of the removed

part .

- Easy maintenance task

- A portable manometer through the pressure test ports shows if

cleaning and/or removal of the demister and/or the dust filter are

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SERVICE BULLETIN

SUMMARY

necessary according to maximum pressure values .

EFFECTIVITY

This Service Bulletin is applicable to these customers :

AAA, AAR, ACA, AES, AFR, AIB, AJM, ALK, ANA, BAW, BV , CDN, CES, CJG, CNW,

CSC, CTN, CYP, EWG, GES, GFA, HP , IAC, KAC, LEI, MSR, MXA, NWA, OYC, PAL,

RJA, SHK, SWR, TAI, TAR, WS , XF , XP , XR , XW , XZ , ZZ .

SERVICE BULLETIN TO BE ACCOMPLISHED

PREVIOUSLY OR SIMULTANEOUSLY

Service Bulletin No . A320-21-1030 (Mod . No . 21865P1803)

REFERENCES/REPERCUSSIONS

TFU

OEB

AOT

SIL

LIFE LIMIT

LINE MAINTENANCE AFFECTED

OTHER

NATURE OF THE WORK

|  |  |
| --- | --- |
| AIRCRAFT  EQUIPMENT  HARD  SOFT  OBRM COMPLIANCE DESIRABLE MANPOWER  On Aircraft | :  :  :  :  : |

TOTAL MANHOURS

On Bench

TOTAL MANHOURS

MATERIAL INFORMATION

AIRCRAFT DATA

None

: None

: None

: None

: None

: None

: YES

: None

NO

YES

NO

NO

NO

2.0

Refer to LBFS Service

Bulletin No .

34800A200-21-04

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SERVICE BULLETIN

SUMMARY

EQUIPMENT DATA

Designation : Filter Cartridge

Supplier : LE BOZEC FILTRATION SYSTEMS (LBFS)

Service Bulletin No . 34800A200-21-04

Old Part Number 420A200-2

New Part Number 4200A200-4

Interchangeability code 02 (Refer to ATA 200 Chapter 1A-2)

Mixability : Not applicable

Designation : Filter Housing

Supplier : LE BOZEC FILTRATION SYSTEMS (LBFS)

Service Bulletin No . 34800A200-21-04

Old Part Number 57514-02

New Part Number 57514-31

Interchangeability code 02 (Refer to ATA 200 Chapter 1A-2)

Mixability : Not applicable

APPENDICES

None

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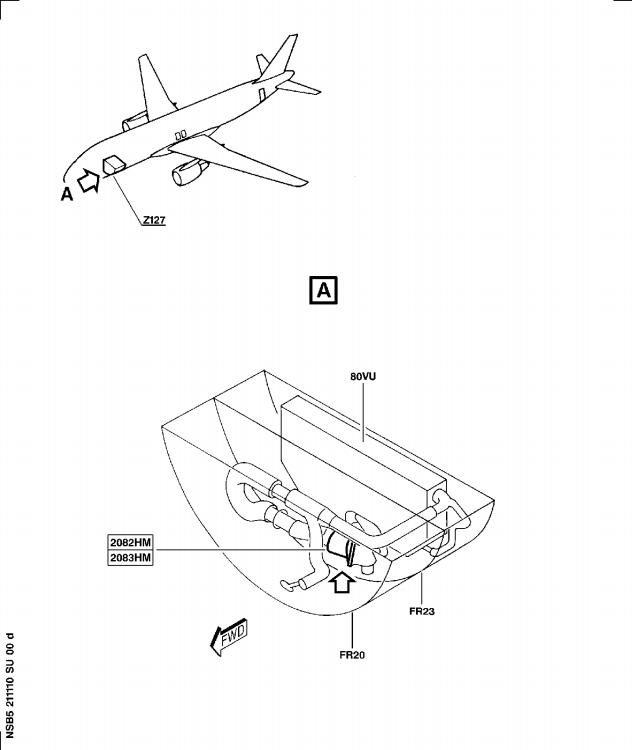
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SERVICE BULLETIN

AIRBUS INDUSTRIE

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice BELLONTE

31707 BLAGNAC CEDEX FRANCE

Tel: (33) 5 61-93-33-33

Telex: AIRBU 530526 F

TITLE : AIR CONDITIONING - GENERAL - INSTALL "LE BOZEC" AVIONICS

FILTER SYSTEM (P/N 57514-31 AND P/N 4200A200-4) .

MODIFICATION No . : 26739 P5104 ATA SYSTEM : 21

1. PLANNING INFORMATION

A . EFFECTIVITY

(1) Aircraft models : 319-112, 319-113, 320-111, 320-211, 320-212, 320-214, 320-231, 320-232, 320-233, 321-111, 321-131, 321-211, 321-231

(2) Aircraft

Customer and MSN Kit No . Qty Config

Fleet No . none of kits No .

AAA001-017 022,023,024,025,026,027

029,030,140,142,157,229

547,615,622,632,662

101 726

AAR001 771

ACA201-213 059,068,073,084,122,126

127,141,149,150,154,159

183

215-225 242,248,253,254,255,265

277,290,310,311,324

227-233 333,341,342,350,359,378

384

AES001, 002 739,743

AFR001, 002 005,007

004-013 014,019,020,021,002,004

003,010,012,013

015 016

031-048 061,062,063,100,101,102

128,129,133,186,187,188

226,227,228,285,286,287

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Customer and

Fleet No .

066-068

071-078

080-085

101-105

131

201, 202

211, 212

226, 227

231, 232

301, 302

305

401-403

411

501-503

901-906

947-949

AIB401, 402

AJM001-004

ALK001, 002

ANA001-025

BAW001-010

BV 051, 052

CDN401-405

407-411

415, 416

CES001

MSN

033,036,044

108,115,130,155,156,184

214,239

278,337,352,236,237,377

498,509,521,529,544

777

144,145

420,436

131,132

203,220

204,211

085

215,244,270

491

674,675,684

598,600,608,618,625,637

644,647,660

376,386

624,626,628,630

374,406

138,139,148,151,167,170

196,212,219,245,300,328

365,383,413,482,501,507

531,534,549,554,658,669

685

006,008,011,017,018,039

042,103,109,120

185,191

174,175,210,231,232

283,284,302,305,309

403,404

772

Kit No .

none

Qty

of kits

Config

No .

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Customer and

Fleet No .

CJG001, 002

CNW001, 002

CSC051-053

CTN101

CYP001-008

EWG001, 002

GES002, 003

005-009

GFA801-814

HP 620-622

624-629

631-637

IAC001-012

014-031

KAC001-003

LEI001

101

MSR001-007

101-104

MXA001-010

012

016

NWA301-350

MSN

707,724

665,754

540,551,556

258

028,035,037,038,180,256

295,316

646,654

714,716

730,735,737,749,764

313,325,345,375,419,421

438,445,459,466,481,497

536,537

052,053,054

055,064,065,066,067,076

077,081,082,091,092,098

099

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

181,182,195

677

781

165,166,178,194,198,351

366

680,687,715,725

252,259,260,261,275,276

296,320,321,353

368

433

031,032,034,040,041,060

Kit No .

none

Qty

of kits

Config

No .

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Customer and Fleet No .

OYC001-006

PAL001-004

RJA001-003

SHK001, 002

SWR276-279

TAI001, 002

051-054

201-203

TAR001-008

WS 001-003

XF 008

054-056

101

104-107

109

205-208

251-253

351, 352

510

XP 053-059

504-506

XR 501-507

MSN

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

163,164,168,169,179,193

706,708,745,753

087,088,569

322,326

517,519,520,522

558,561

448,453,460,461

733,741,747

119,124,205,370,390,402

123,511

758,762,770

405

496,527,530

425

640,542,543,676

760

604,614,620,631

633,663,668

666,775

525

221,222,294,299,301,348

349

455,471,584

225,230,238,247,257,271

Kit No .

none

Qty

of kits

Config

No .

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SERVICE BULLETIN

Customer and MSN Kit No . Qty Config

Fleet No . none of kits No .

510-514

517

520, 521

524, 525

XW 502-505

XZ 003, 004

101-108

201, 202

ZZ 001

280

304,308,314,315,317

338

449,467

480,437

354,357,373,411

189,190

234,235,288,289,331,343

395,407

653,657

761

NOTE 1 : This modification is embodied before delivery on aircraft MSN 789 and subsequent .

NOTE 2 : To do this Service Bulletin you must do Service Bulletin No . A320-21-1030 (Mod . No . 21865P1803) before or at the same time .

NOTE 3 : This Service Bulletin cannot be accomplished if Service

Bulletin No . A320-21-1087 (Mod . No . 24146P3462) has been

accomplished .

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that any recipient of such document shall comply with the

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consent .

(3) Spares

- Filter Cartridge (2082HM) P/N 420A200-2

- Filter Housing (2083HM) P/N 57514-02

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B . REASON

(1) History

As part of the maintenance cost reduction program, the LBFS

avionics ventilation system has been identified as the system with

the highest potential for maintenance cost savings .

(2) Objective/Action

This Service Bulletin is published to advise all operators of A319,

A320 and A321 aircraft equipped with "LE BOZEC" avionics

ventilation filter system of the issue of LE BOZEC FILTRATION

SYSTEMS (LBFS) Service Bulletin No . 34800A200-21-04 .

In the avionics compartment, on the avionics ventilation filter

system, this Service Bulletin proposes :

- To fit the filter housing with pressure test ports to determine

the clogging level of the demister and dust filter

- To replace the one element dust filter cartridge by a dust

filter cartridge composed of two elements : a cartridge body and

a cartridge filter element .

(3) Advantages

The following improvements permit a significant reduction of the

direct maintenance cost of the avionics ventilation filter:

- Increase of the demister and the dust separator filter life time

- The pressure test ports added on the filter housing permit

the "on the condition of a delta pressure" maintenance

concept instead of the current "hard time removal"

maintenance concept . This new maintenance concept optimizes

the cleaning and removal intervals of the demister and dust

filter in accordance with the operator’s operational

conditions .

- Decrease of the spare price of the dust separator filter

- The new version of the dust filter cartridge composed of two

elements, permits the replacement of the filtering element

instead of the whole cartridge, thus minimizing the cost of

the removed part .

- Easy maintenance task

- A portable manometer through the pressure test ports shows

if cleaning and/or removal of the demister and/or the dust

filter are necessary according to maximum pressure values .

(4) Operational/Maintenance Consequences

(a) The maintenance concept is modified from "hard time removal" to

"on the condition of a delta pressure removal" . Consequently,

the Maintenance Planning Document (MPD) will be modified .

(b) Interchangeability :

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Code 02 (Refer to ATA 200 Chapter 1A-2)

(c) Mixability :

Not applicable

(5) Accomplishment Timescale

In accordance with operators’ maintenance schedule .

C . DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

(1) Replace the filter housing and the dust filter cartridge in the

avionics compartment .

D . APPROVAL

The technical information including design data contained in this Service Bulletin has been approved under the Authority of DGAC Design Organisation Approval No . F .JA .02 . 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 . F .JA .02, when they are minor .

E . MANPOWER

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

On Aircraft

Get access 0.5

Replace the filter housing and the dust filter

cartridge in the avionics compartment 1 .0

Close-up 0.5

TOTAL MANHOURS 2.0

On Bench

Refer to

LBFS

Service

Bulletin

No .

34800A200-

Modify the filter housing

TOTAL MANHOURS

21-04

Refer to LBFS Service

Bulletin No .

34800A200-21-04

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SERVICE BULLETIN

F . MATERIAL - COST AND AVAILABILITY

(1) Material

Modification of removed equipment should be negotiated directly with LBFS as per instructions given in Service Bulletin No . 34800A200-21-04 .

(2) Cost and availability

Kit No . Cost Availability : Calendar

(US Dollars) days from receipt of order

Refer to the vendor Service Bulletin No . 34800A200-21-04 for the

equipment modification sales terms .

G . TOOLING - PRICE AND AVAILABILITY

None

H . WEIGHT AND BALANCE

Manufacturers Empty Weight : +0 .260kg (+0 .5731lb)

E f f e c t o n B a l a n c e : +2 .205kgm (+15 .948lb .ft)

I . REFERENCES

Aircraft Maintenance Manual (AMM)

Service Bulletin

Service Bulletin

LBFS Service Bulletin

: 21-26-43

: A320-21-1030

: A320-21-1087

: 34800A200-21-04

J . PUBLICATIONS AFFECTED

Aircraft Maintenance Manual (AMM) Illustrated Parts Catalog (IPC) Maintenance Planning Document (MPD)

Trouble Shooting Manual (TSM)

: 21-26-00, 21-26-43

: 21-26-01, 21-26-43

: 21-26-43

: 21-26-00

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SERVICE BULLETIN

2. ACCOMPLISHMENT INSTRUCTIONS

A . GENERAL

WARNING : MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND ALL THE

CAUTIONS INCLUDED IN THE REFERENCED PROCEDURES .

(1) Preparation

Refer to AMM: 21-26-43, P . Block 401.

(2) Standard Practices

None

B . MODIFICATION

(1) Replace the filter housing and the dust filter cartridge in the

avionics compartment

(a) Remove :

(Refer to AMM: 21-26-43, P . Block 401)

1 Filter Housing 2083HM 57514-02

1 Filter Cartridge 2082HM 420A200-2

(b) Install :

(Refer to AMM: 21-26-43, P . Block 401)

1 Filter Housing 2083HM 57514-31

at the same location, modified as written in the LBFS Service

Bulletin No . 34800A200-21-04 .

(c) Install the new dust filter cartridge in the modified filter

housing

(Refer to AMM: 21-26-43, P . Block 401)

1 Filter Cartrigde 2082HM 4200A200-4

C . TEST

None

D . CLOSE-UP

Refer to AMM: 21-26-43, P . Block 401.

E . DOCUMENTATION

Write in the applicable aircraft records that you have done all the work

given in this Service Bulletin .

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SERVICE BULLETIN

3. MATERIAL INFORMATION

A . LIST OF COMPONENTS

ITEM NEW PART NO . QTY KEYWORD ITEM OLD PART NO . INT INST

DISP

4200A200-4 1 Cartrid . 420A200-2 02 (01)

57514-31 1 Housing 57514-02 02 (01)

(01) Modification of removed equipment should be negotiated directly with LE BOZEC FILTRATION SYSTEM as per instructions given in Service Bulletin No . 34800A200-21-04 .

NOTE : For definitions of interchangeability codes shown in column INT .

refer to ATA 200 Chapter IA-2 .

B . SPECIAL TOOLS

None

C . LIST OF MATERIAL - OPERATOR SUPPLIED

None

D . PARTS TO BE RE- IDENTIFIED BY OPERATOR

None

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SERVICE BULLETIN

ACCEPTANCE/REJECTION SHEET

AIRBUS INDUSTRIE

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice BELLONTE

31707 BLAGNAC CEDEX FRANCE

Tel: (33) 5 61-93-33-33

Telex: AIRBU 530526 F

TITLE : AIR CONDITIONING - GENERAL - INSTALL "LE BOZEC" AVIONICS

FILTER SYSTEM (P/N 57514-31 AND P/N 4200A200-4) .

MODIFICATION No . :

26739

P5104

ATA SYSTEM : 21

|  |  |
| --- | --- |
| IS BEING HEREWITH  Please fill : | SUBMITTED TO YOU FOR REVIEW  . . .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 returned to us on purchase date and signed by a duly authorized and empowered officer or representative . |

|  |
| --- |
| Please return to :  AIRBUS INDUSTRIE  CUSTOMER SERVICES DIRECTORATE  1 Rond Point Maurice Bellonte  31707 BLAGNAC CEDEX FRANCE  Attn : AI/SE-D32 Technical Data  and Documentation Services  FAX : (+33) 5 61 93 28 06 |

5 DATE : Feb 12/98 SERVICE BULLETIN No . : A320-21-1110

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