



SERVICE BULLETIN
REVISION TRANSMITTAL SHEET

AIRBUS
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice Bellonte
31707 BLAGNAC CEDEX FRANCE
Tel : (33) 5 61 93 33 33
Telex : AIRBU 530526F
Fax : (33) 5 61 93 42 51

ATA SYSTEM : 34

TITLE : NAVIGATION - SENSORS POWER SUPPLY AND SWITCHING - INSTALL THALES PITOT PROBES PN C16195BA.

MODIFICATION No. : 56702S19240

This page transmits Revision No. 01 of Service Bulletin No. A330-34-3206.

ADDITIONAL WORK

No additional work is required by this revision for aircraft modified by any previous issue.

REASON

Revision No. 01 issued to modify para REASON.

CHANGES

SUMMARY :

- REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

. Text modified.

- EFFECTIVITY

. Operators updated.

PLANNING INFORMATION :

- EFFECTIVITY

. Para. 1.A. Effectivity updated.

- REASON

. Para. 1.C. Text modified.

NOTE : Layout changes due to computerization of this revision are not identified.

FILING INSTRUCTIONS

This Service Bulletin has been generated electronically and is reissued as a complete document.
Replace the complete document.

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 1 of 2



SERVICE BULLETIN
REVISION TRANSMITTAL SHEET

Put this Revision Transmittal Sheet in front of the Service Bulletin.

HISTORY OF PREVIOUS REVISIONS

No previous revisions.

REVISION SEQUENCE

ORIGINAL : Sep 14/07
REVISION No. : 01 - Nov 12/08

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 2



SERVICE BULLETIN
SUMMARY

AIRBUS
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice Bellonte
31707 BLAGNAC CEDEX FRANCE
Tel : (33) 5 61 93 33 33
Telex : AIRBU 530526F
Fax : (33) 5 61 93 42 51

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

ATA SYSTEM : 34

TITLE : NAVIGATION - SENSORS POWER SUPPLY AND SWITCHING - INSTALL THALES PITOT PROBES PN C16195BA.

MODIFICATION No. : 56702S19240

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

A320 aircraft family operators have reported airspeed discrepancies while flying under heavy precipitations. A new Pitot probe has been designed to improve A320 aircraft airspeed behavior with these specific weather conditions.

A few similar discrepancies had also been reported by A330/A340 aircraft operators and AIRBUS now proposes this Pitot probes improvement for Long Range (LR) aircraft.

This Service Bulletin proposes the replacement of the three Pitot probes PN C16195AA (FINs 9DA1, 9DA2 and 9DA3) by new probes PN C16195BA.

Accomplishment of this Service Bulletin will improve the resistance against water ingress under severe conditions resulting in improved airspeed behavior.

In addition, this new Pitot probe introduces a new external protection layer to prevent corrosion.

EVALUATION TABLE			
COMPLIANCE	Recommended	CANCELS INSPECTION SB	No
POTENTIAL AD	No	A/C OPERATION AFFECTED	No
RELIABILITY AFFECTED	No	PAX COMFORT AFFECTED	No
COST SAVING	No	ETOPS AFFECTED	No

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 1 of 3



SERVICE BULLETIN
SUMMARY

EVALUATION TABLE			
STRUCTURAL LIFE EXTN	No	VENDOR SB INVOLVED	No
KIT PRICE (USD)	No Kit		

MODIFICATION CLASSIFICATION	
MAJOR	None
MINOR	56702S19240

As per EASA IR 21, a minor change is one that has no appreciable effect on the mass, balance, structural strength, reliability, operational characteristics affecting the airworthiness of the product. All other changes are major changes.

EFFECTIVITY

This Service Bulletin is applicable to these operators :

10V AAR ADH AEA AFR BMA CYP DAT EDW EIN FWI GRL HVN IAC IWD IYE JAI KLM MAS MPD MSR
NWA OBS QAF QTR SWR TAM TAP TCX UAE USA XLF

CONCURRENT REQUIREMENTS

Accomplishment of this Service Bulletin requires the prior or simultaneous accomplishment of the following Service Bulletin or the equivalent production modification :

Service Bulletin No. A330-34-3071

Mod. No. 45638S13870

REFERENCES/REPERCUSSIONS

TFU : None

OEB : None

AOT : None

SIL : None

LIFE LIMIT : None

LINE MAINTENANCE AFFECTED : No

OTHERS : None

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 2



SERVICE BULLETIN
SUMMARY

NATURE OF THE WORK

AIRCRAFT : NO

EQUIPMENT : YES

HARD : NO

SOFT : NO

OBRM : NO

MANPOWER

Config. 01

TOTAL MANHOURS **2.5**

ELAPSED TIME (HOURS) **2.5**

MATERIAL INFORMATION

AIRCRAFT DATA

None

APPENDICES

None

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 3

This Page Intentionally Left Blank



SERVICE BULLETIN

AIRBUS
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice Bellonte
31707 BLAGNAC CEDEX FRANCE
Tel : (33) 5 61 93 33 33
Telex : AIRBU 530526F
Fax : (33) 5 61 93 42 51

ATA SYSTEM : 34

TITLE : NAVIGATION - SENSORS POWER SUPPLY AND SWITCHING - INSTALL THALES PITOT PROBES PN C16195BA.

MODIFICATION No. : 56702S19240

This document contains AIRBUS PROPRIETARY INFORMATION and shall at all times remain the property of AIRBUS; no intellectual property right or licence is granted by AIRBUS in connection with any information contained in it. It is delivered on the express condition that said document and the information contained in it shall be treated as confidential, shall not be used for any purpose other than that for which it is hereby delivered. It shall not be disclosed in whole or in part to third parties and shall not be duplicated in any manner (except for the purposes of performing the tasks described hereunder and provided that any recipient of such document shall comply with the conditions herein), without AIRBUS' prior written consent.

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Models

330-202 330-203 330-223 330-243 330-301 330-302 330-323 330-343

(2) Aircraft

(a) Effectivity by MSN

This Service Bulletin is applicable to aircraft MSN :

0030 0037 0045 0205 0211 0229 0230 0232 0238 0240 0247 0249 0253 0255 0259
0262 0272 0275 0288 0290 0291 0294 0296 0299 0300 0305 0308 0312 0315
0322-0324 0333 0337 0339 0342 0343 0353 0361 0362 0366 0369 0370 0375 0380
0388 0398 0401 0404 0422 0427 0441 0443 0448 0455 0456 0458 0461 0463 0465
0466 0472 0473 0477 0481 0486 0487 0489 0498 0500-0505 0511 0516 0519 0521
0524 0526 0533 0542 0549 0552 0567 0571 0578 0584 0588 0591 0600 0605 0609
0610 0612 0614 0616 0618 0620 0621 0623 0625 0631-0633 0635 0637 0638 0640
0657 0659 0660 0663 0666 0670 0674 0676 0680 0682-0684 0686 0690 0696 0700
0703 0708 0709 0711 0718 0721 0722 0726 0733 0734 0738 0743 0745 0746 0749
0751 0758 0760 0770 0772 0778 0784 0789 0792 0795 0796 0799 0801 0803 0806
0807 0811 0813 0814 0817 0819 0820 0826 0827 0833 0834 0841 0843 0845 0847
0849 0857-0859 0863 0865 0893 0900 0907 0918 0931 0950

(b) Effectivity by Operator

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 1 of 10



SERVICE BULLETIN

The Operator/MSN relationship is provided for information only and is correct at the time of issue in accordance with the information available to AIRBUS. Any future changes resulting from transfer of an aircraft from one operator to another will not be reflected in this list unless the Service Bulletin is revised for another reason.

OPERATOR	MSN
10V	0863
AAR	0640 0676 0708 0772 0803 0845
ADH	0272 0339
AEA	0733 0745 0749 0814 0931 0950
AFR	0422 0443 0448 0458 0465 0481 0498 0500 0502 0503 0516 0519 0567 0584 0657 0660
BMA	0398 0401 0404
CYP	0505 0526
DAT	0030 0037 0045
EDW	0369
EIN	0841 0847
FWI	0240 0253 0758
GRL	0230
HVN	0255 0262
IAC	0353 0362
IWD	0670 0833
IYE	0625 0632
JAI	0751 0807
KLM	0682 0686 0703 0738 0770 0801 0811 0819 0834 0900
MAS	0290 0296 0300
MPD	0205 0211
MSR	0600 0610 0666 0683 0696 0709 0726
NWA	0524 0533 0542 0549 0552 0578 0588 0591 0609 0614 0618 0620 0621 0631 0633 0663 0674 0690 0718 0722 0778 0784 0796 0799 0806 0817 0827 0843 0857 0858 0859 0865

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 2



SERVICE BULLETIN

OPERATOR	MSN
OBS	0461
QAF	0487 0605
QTR	0441 0463 0473 0489 0504 0511 0521 0571 0612 0616 0623 0637 0638 0659 0680 0684 0711 0721 0734 0743 0746 0760 0789 0792 0813 0820 0826 0849 0893 0907 0918
SWR	0229 0249 0275 0288 0291 0294 0299 0322 0324 0343 0366
TAM	0232 0238 0247 0259 0361 0466 0472 0477 0486 0700
TAP	0305 0308 0312
TCX	0427 0456 0795
UAE	0455
USA	0315 0323 0333 0337 0342 0370 0375 0380 0388
XLF	0501 0635

(c) Effectivity by MSN and Kit/Configuration

The Kits and configurations applicable to these MSNs are given at the end of this list

0030 0037 0045 0205 0211 0229-0230 0232 0238 0240 0247 0249 0253 0255 0259
0262 0272 0275 0288 0290-0291 0294 0296 0299-0300 0305 0308 0312 0315
0322-0324 0333 0337 0339 0342-0343 0353 0361-0362 0366 0369-0370 0375 0380
0388 0398 0401 0404 0422 0427 0441 0443 0448 0455-0456 0458 0461 0463
0465-0466 0472-0473 0477 0481 0486-0487 0489 0498 0500-0505 0511 0516 0519
0521 0524 0526 0533 0542 0549 0552 0567 0571 0578 0584 0588 0591 0600 0605
0609-0610 0612 0614 0616 0618 0620-0621 0623 0625 0631-0633 0635 0637-0638
0640 0657 0659-0660 0663 0666 0670 0674 0676 0680 0682-0684 0686 0690 0696
0700 0703 0708-0709 0711 0718 0721-0722 0726 0733-0734 0738 0743 0745-0746
0749 0751 0758 0760 0770 0772 0778 0784 0789 0792 0795-0796 0799 0801 0803
0806-0807 0811 0813-0814 0817 0819-0820 0826-0827 0833-0834 0841 0843 0845
0847 0849 0857-0859 0863 0865 0893 0900 0907 0918 0931 0950

KIT No.	QTY PER A/C	CONFIGURATION
None		01

NOTE : Config. 01 is valid for all the aircraft given in the effectivity of this Service Bulletin as a standard configuration.

(3) Spares

Probe C16195AA

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 3

B. CONCURRENT REQUIREMENTS

Accomplishment of this Service Bulletin requires the prior or simultaneous accomplishment of the following Service Bulletin or the equivalent production modification :

Service Bulletin No. A330-34-3071

Mod. No. 45638S13870

C. REASON

(1) History

A320 aircraft family operators have reported airspeed discrepancies while flying under heavy precipitations. A new Pitot probe has been designed to improve A320 aircraft airspeed behavior with these specific weather conditions.

A few similar discrepancies had also been reported by A330/A340 aircraft operators and AIRBUS now proposes this Pitot probes improvement for Long Range (LR) aircraft.

(2) Objective/Action

This Service Bulletin proposes the replacement of the three Pitot probes PN C16195AA (FINs 9DA1, 9DA2 and 9DA3) by new probes PN C16195BA.

(3) Advantages

Accomplishment of this Service Bulletin will improve the resistance against water ingress under severe conditions resulting in improved airspeed behavior.

In addition, this new Pitot probe introduces a new external protection layer to prevent corrosion.

(4) Operational/Maintenance Consequences

None

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

(1) Config. 01

(a) Replace the three Pitot probes FINs 9DA1, 9DA2 and 9DA3.

E. COMPLIANCE

(1) Classification

Recommended

(2) Accomplishment Timescale

Accomplishment of this Service Bulletin is recommended at the earliest opportunity where manpower and facilities are available.

F. APPROVAL

Approved under EASA Design Organisation Approval No. EASA 21J.031.

If an aircraft listed in the effectivity has a modification or repair embodied that is not of AIRBUS origin, and which affects the content of this Service Bulletin, the operator is responsible for obtaining approval by its airworthiness authority for any adaptation necessary before incorporation of the Service Bulletin.

G. MANPOWER

The manpower estimates given in this Service Bulletin are based on the direct labor cost to do the work. These estimates assume that the work will be done by experienced personnel, and may need to be revised upwards to suit operator's circumstances. The estimates do not include the time to prepare, plan or inspect the work. Manufacture and procurement of parts and tools, drying times for paints, sealants, etc, and general administration work are also not included.

Config. 01

Get access	0.5
Replacement of the three Pitot probes	1.0
Test	0.5
Close-up	0.5
TOTAL MANHOURS	2.5
ELAPSED TIME (HOURS)	2.5

H. WEIGHT AND BALANCE

Not changed

I. ELECTRICAL LOAD DATA

Not changed

J. REFERENCES

Aircraft Maintenance Manual (AMM) : 12-34-24 34-11-15 52-10-00

Elec. Std. Practices Manual (ESPM) : 20-55-00

Service Bulletin No. A330-34-3071

K. PUBLICATIONS AFFECTED

Aircraft Maintenance Manual (AMM) : 34-11-00 34-11-15 34-13-00 34-22-25

Illustrated Parts Catalog (IPC) : 34-11-01 34-11-15

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 5

L. INTERCHANGEABILITY/MIXABILITY

Config. 01

DESCRIPTION	OLD PART No.	NEW PART No.	INT	MIXABILITY
Pitot Probe	C16195AA	C16195BA	01	See NOTES

NOTE : For definitions of interchangeability codes in column INT. refer to ATA Common Support Data Dictionary (CSDD), Chapter 2.

NOTE(01) Mixability is authorized without specific configuration/condition : it is possible to mix old and new PN on a same aircraft.

NOTE(02) Only the mixability configuration(s) and condition(s) stated in this Service Bulletin are approved.

2. MATERIAL INFORMATION**A. MATERIAL - PRICE AND AVAILABILITY**

(1) Material

Vendor parts are to be purchased from :

THALES AVIONICS
Rue Marcel Dassault
86101 Chatellerault
FRANCE

(2) Price and Availability

Sales terms for the equipment must be negotiated with the equipment vendor (See MATERIAL INFORMATION).

B. INDUSTRY SUPPORT INFORMATION

Refer to paragraph 2.A.(2) : "Price and Availability".

C. LIST OF COMPONENTS

None

D. LIST OF MATERIALS - OPERATOR SUPPLIED

(1) Consumable Materials

To accomplish this Service Bulletin, it is necessary to use the expendable parts listed in the AMM 34-11-15, Page block 401.

(2) Components

ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT INST DISP
	C16195BA	3		Probe		C16195AA	01

NOTE : For definitions of interchangeability codes in column INT. refer to ATA Common Support Data Dictionary (CSDD), Chapter 2.

NOTE(01) Vendor parts are to be purchased from :

THALES AVIONICS
Rue Marcel Dassault
86101 Chatellerault
FRANCE**E. PARTS TO BE RE-IDENTIFIED BY THE OPERATOR**

None

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 7

F. TOOLING - PRICE AND AVAILABILITY

To accomplish this Service Bulletin, it is necessary to use the tools listed in AMM 52-10-00, Page block 201.

G. SPECIAL TOOLS

None

3. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

WARNING : MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND ALL THE CAUTIONS INCLUDED IN THE REFERENCED PROCEDURES.

CAUTION : ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE). WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE. TO DO THIS:

- PUT PROTECTION, SUCH AS PLASTIC SHEETING, CLOTHS, ETC; AS NECESSARY ON WIRING AND COMPONENTS.
- REGULARLY REMOVE ALL SHAVINGS, UNWANTED MATERIAL AND OTHER CONTAMINATION.

THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION.

IN CASE OF CONTAMINATION REFER TO ESPM 20-55-00.

(1) Preparation

(a) Config. 01

- 1 Make sure that the aircraft is electrically grounded (Refer to AMM 12-34-24, Page block 201).
- 2 Do the preparation procedure as specified in the removal/installation of the Pitot probes FINs 9DA1, 9DA2 and 9DA3 (Refer to AMM 34-11-15, Page block 401).
- 3 Open the passenger/crew door(s) (Refer to AMM 52-10-00, Page block 201).

(2) Standard Practices

None

B. MODIFICATION

(1) Config. 01

(a) Replace the three Pitot probes FINs 9DA1, 9DA2 and 9DA3.
Refer to AMM 34-11-15, Page block 401

1 Remove :

FIN 9DA1

1 Pitot Probe C16195AA

FIN 9DA2

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 9

1	Pitot Probe	C16195AA
	FIN 9DA3	
1	Pitot Probe	C16195AA
<u>2</u>	Install :	
	FIN 9DA1	
1	Pitot Probe	C16195BA
	FIN 9DA2	
1	Pitot Probe	C16195BA
	FIN 9DA3	
1	Pitot Probe	C16195BA

C. TEST

(1) Config. 01

- (a) Do the test after the removal/installation of the Pitot probes FINs 9DA1, 9DA2 and 9DA3 (Refer to AMM 34-11-15, Page block 401).

D. CLOSE UP

(1) Config. 01

- (a) Do the close-up procedure as specified in the removal/installation of the Pitot probes FINs 9DA1, 9DA2 and 9DA3 (Refer to AMM 34-11-15, Page block 401).
- (b) Close the passenger/crew door(s) (Refer to AMM 52-10-00, Page block 201).
- (c) Restore the systems and the aircraft to normal operating conditions.

E. DOCUMENTATION

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



SERVICE BULLETIN
REPORTING SHEET

TITLE : NAVIGATION - SENSORS POWER SUPPLY AND SWITCHING - INSTALL THALES PITOT PROBES PN C16195BA.

MODIFICATION No. : 56702S19240

Please complete the appropriate item (A or B):

A - SB WILL BE embodied YES/NO (if NO please comment)
If YES, aircraft concerned (as per SB effectivity by default) and planned dates (month/year) of embodiement:

.....
.....

B - SB HAS BEEN embodied on aircraft:

.....
.....

Operator comments:

.....
.....

From Airline:

Name/Title:

Signature:..... Date:

If operational documentation is affected (see Paragraph 1.K of this SB): If information is needed prior to next normal revision or prior to SB embodiment, please indicate required service(s):

Either : Advance data YES/NO

Or : Intermediate/Temporary revision YES/NO

Important Information: This SB will only be incorporated in your maintenance and operational documentation if this sheet is returned to Airbus and signed by a duly authorised representative. With the next feasible revision, this will result in

- updating of maintenance documentation to show pre and post SB data.
- updating of maintenance and operational documentation to show post SB data after embodiment.

If this SB requires previous or simultaneous accomplishment of other SBs, Airbus shall automatically include them in the manual revisions. Refer to SIL 00-037 for detailed information.

Please return this completed sheet to:

**AIRBUS
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice Bellonte
31707 BLAGNAC CEDEX FRANCE**

Attn: SEDCC1 Technical Data and Documentation Services

FAX: (+33) 5 61 93 28 06

e-mail: sb.reporting@airbus.com

Or via your Resident Customer Support Office.

Alternatively, SB lists via letters or fax are also accepted.

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 1 of 1



SERVICE BULLETIN
REPORTING QUALITY

TITLE : NAVIGATION - SENSORS POWER SUPPLY AND SWITCHING - INSTALL THALES PITOT PROBES PN C16195BA.

MODIFICATION No. : 56702S19240

Use this form to tell us what is your perception of the quality of this Service Bulletin. The reported data that you provide us will be used to analyse areas of difficulties and to take corrective action to further improve the quality of our Service Bulletins.

We thank you for the time you have taken in completing this form.

(Please rate on a scale of 1 to 4, with 4 being the highest score)

-Quality rating of this SB	4	3	2	1
-Quality rating of the Accomplishment Instructions	4	3	2	1
-Quality rating of the Illustrations	4	3	2	1
-Is this SB easy to understand ?	Y / N			

If you have had difficulties in the accomplishment of this SB please quote below the area(s) and give a short description of the issue.

Planning	Material	Instructions
X Effectivity	X Kit Content	X Preparation
X Reason	X List of Materials	X Mod/Inspection
X Manpower	Operator Supplied	X Test
X References	X Re-identification	X Close-up
X Publication	X Tooling	X Illustrations

Comments :

Operator :

Date:

Name/Title :

Please return this form to:

**AIRBUS
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice Bellonte
31707 BLAGNAC CEDEX FRANCE**

Attn: SEMB Service Bulletins Management
FAX: (+33) 5 61 93 42 51
Or via your Resident Customer Support Office.

DATE : Sep 14/07

SERVICE BULLETIN No. : A330-34-3206

REVISION No. : 01 - Nov 12/08

Page : 1 of 1