SERVICE BULLETIN
REVISION TRANSMITTAL SHEET

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ATA SYSTEM: 34

TITLE: NAVIGATION - GENERAL - REPLACE THE THIRD THALES PITOT PROBE BY A GOODRICH PITOT PROBE

MODIFICATION No.: 151182P18009

This page transmits Revision No.01 of Service Bulletin No.A320-34-1463

ADDITIONAL WORK

****CONF ALL**

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

REASON

Revision No. 01 issued to add aircraft MSN 2445 for operator ANZ.

CHANGES

SUMMARY		
GENERAL EVALUATION	GENERAL EVALUATION TABLE UPDATED	R
EFFECTIVITY	OPERATOR LIST UPDATED	R
CONCURRENT REQUIREMENTS	CONCURRENT REQUIREMENTS UPDATED	R
PLANNING INFORMATION		
EFFECTIVITY	EFFECTIVITY RELATED INFORMATION UPDATED	R
Configuration definition		
CONF 001	CONFIGURATION DEFINITION UPDATED	R
CONCURRENT REQUIREMENTS	CONCURRENT SB LIST UPDATED	R
COMPLIANCE		
Classification	CLASSIFICATION UPDATED	R
APPROVAL	APPROVAL UPDATED	R

FILLING INSTRUCTIONS

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

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

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HISTORY OF PREVIOUS REVISIONS

No previous revision

REVISION SEQUENCE

ORIGINAL: Mar 09/10

REVISION No. : 01 - May 15/12

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SERVICE BULLETIN
SUMMARY

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

ATA SYSTEM: 34

TITLE: NAVIGATION - GENERAL - REPLACE THE THIRD THALES PITOT PROBE BY A GOODRICH PITOT PROBE

****CONF ALL**

MODIFICATIONS

MODIFICATION CLASSIFICATION					
MAJOR	None				
MINOR	151182P18009				

NOTE: 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.

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

This Service Bulletin is issued further to an operator's request.

This Service Bulletin replaces the THALES pitot probe 9DA2, PN C16195BA, by a GOODRICH pitot probe PN 0851HL, on the F/O side.

Accomplishment of this Service Bulletin will satisfy the operator's request.

GENERAL EVALUATION

EVALUATION TABLE			
COMPLIANCE	OPTIONAL (1)	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
STRUCTURAL LIFE EXTN	NO	VENDOR SB INVOLVED	NO

NOTE (1): Service Bulletin for convenience or option.

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MATERIAL PRICE INFORMATION

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	**QTY PER A/C**	**PRICE PER A/C (USD)**	**MAIN PARTS**
Equipment BFEA01	1	See SB	Pitot Probe

EFFECTIVITY

This Service Bulletin is applicable to this (these) operator(s) :

AFR ANZ SBI UDC

NOTE: This Service Bulletin is written for the operators listed above. The modification in this Service Bulletin can be done by other operators. If other operators want to do this modification, use the RFC/RMO procedure and write to :
AIRBUS
CUSTOMER SERVICES DIRECTORATE
SC Department
1 Rond Point Maurice Bellonte
31707 BLAGNAC CEDEX
FRANCE

CONCURRENT REQUIREMENTS

For MSN 0044 0061 0063 0102 0115 0144-0145 0155 0186-0187 0214 0227 0235-0237 0239 0270 0278 0285-0287 0337 0352 0377 0491 0498 0509 0521 0529 0544 0598 0600 0608 0618 0625 0637 0777 0796 0938 0985 0998 1000 1020 1025 1036 1133 1151 1169 1176 1190 1201 1216 1267 1271 1299 1344 1404 1415 1444 1449 1471 1476 1502 1505 1524 1616 1622 1640 1645 1658 1677 1691 1699 1733 1859 1873 1879 1885 1894 1900 1924 1938 1949 2035 2059 2071 2081 2100 2109 2140 2213 2228 2279 2317 2344 2350 2445 2456 2582 2601 2686 2705 2716 2721 2750 2918 2938 2951 2961 2967 2972 3008-3009 3051 3065 3098 3372 3399 3401 3419-3420 3441 3470 3777 3795 3814 3825 3859 3884 3930 4063 4084 4105 4137 4139

Accomplishment of this Service Bulletin requires the prior or simultaneous accomplishment of the following Service Bulletin(s):

Service Bulletin No. A320-34-1456

REFERENCES / REPERCUSSIONS

TFU	None
OEB	None
AOT	None
SIL	None
LINE MAINTENANCE AFFECTED	No
LIFE LIMIT	None
OTHER	None

NATURE OF THE WORK

AIRCRAFT	NO
EQUIPMENT	YES

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HARD	YES
SOFT	NO
OBRM	NO

MANPOWER

Task 341463-831-801-001: Modification	
TOTAL MANHOURS	2.00
ELAPSED TIME (HOURS)	2.00

APPENDICES

None

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ATA SYSTEM: 34

TITLE: NAVIGATION - GENERAL - REPLACE THE THIRD THALES PITOT PROBE BY A GOODRICH PITOT PROBE

MODIFICATION No.: 151182P18009

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1. PLANNING INFORMATION

****CONF ALL**

A. EFFECTIVITY

(1) Models

318-111 319-111 319-113 319-115 320-211 320-212 320-214 320-232
321-111 321-211 321-212

(2) Effectivity by MSN

0044 0061 0063 0102 0115 0144-0145 0155 0186-0187 0214 0227 0235-0237 0239
0270 0278 0285-0287 0337 0352 0377 0491 0498 0509 0521 0529 0544 0598 0600
0608 0618 0625 0637 0777 0796 0938 0985 0998 1000 1020 1025 1036 1133 1151
1169 1176 1190 1201 1216 1267 1271 1299 1344 1404 1415 1444 1449 1471 1476
1502 1505 1524 1616 1622 1640 1645 1658 1677 1691 1699 1733 1859 1873 1879
1885 1894 1900 1924 1938 1949 2035 2059 2071 2081 2100 2109 2140 2213 2228
2279 2317 2344 2350 2445 2456 2582 2601 2686 2705 2716 2721 2750 2918 2938
2951 2961 2967 2972 3008-3009 3051 3065 3098 3372 3399 3401 3419-3420 3441
3470 3777 3795 3814 3825 3859 3884 3930 4063 4084 4105 4137 4139

(3) Effectivity by Operator

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.

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OPERATOR	MSN
AFR	0044 0061 0063 0102 0115 0144 0145 0155 0186 0187 0214 0227 0236 0237 0239 0270 0278 0285 0286 0287 0337 0352 0377 0491 0498 0509 0521 0529 0544 0598 0600 0608 0618 0625 0637 0777 0796 0938 0985 0998 1000 1020 1025 1036 1133 1151 1169 1176 1190 1201 1216 1267 1271 1299 1344 1404 1415 1444 1449 1471 1476 1502 1505 1524 1616 1622 1640 1645 1658 1677 1691 1699 1733 1859 1873 1879 1885 1894 1900 1924 1938 1949 2035 2059 2071 2081 2100 2109 2140 2213 2228 2317 2344 2350 2456 2582 2601 2686 2705 2716 2721 2750 2918 2938 2951 2961 2967 2972 3008 3009 3051 3065 3098 3372 3399 3401 3419 3420 3441 3470 3777 3795 3814 3825 3859 3884 3930 4063 4084 4105 4137 4139
ANZ	2445
SBI	2279
UDC	0235

(4) Configuration by MSN

MSN	CONFIGURATION
0044 0061 0063 0102 0115 0144 0145 0155 0186 0187 0214 0227 0235 0236 0237 0239 0270 0278 0285 0286 0287 0337 0352 0377 0491 0498 0509 0521 0529 0544 0598 0600 0608 0618 0625 0637 0777 0796 0938 0985 0998 1000 1020 1025 1036 1133 1151 1169 1176 1190 1201 1216 1267 1271 1299 1344 1404 1415 1444 1449 1471 1476 1502 1505 1524 1616 1622 1640 1645 1658 1677 1691 1699 1733 1859 1873 1879 1885 1894 1900 1924 1938 1949 2035 2059 2071 2081 2100 2109 2140 2213 2228 2279 2317 2344 2350 2445 2456 2582 2601 2686 2705 2716 2721 2750 2918 2938 2951 2961 2967 2972 3008 3009 3051 3065 3098 3372 3399 3401 3419 3420 3441 3470 3777 3795 3814 3825 3859 3884 3930 4063 4084 4105 4137 4139	001

(5) Configuration definition

**CONF 001
Config. 001 is valid for all the aircraft given in the effectivity of this Service Bulletin as a standard configuration.

(6) Material Effectivity

MATERIAL	QTY PER A/C	SEE NOTES
Equipment BFEA01	1	

B. CONCURRENT REQUIREMENTS

For MSN 0044 0061 0063 0102 0115 0144-0145 0155 0186-0187 0214 0227 0235-0237 0239 0270 0278 0285-0287 0337 0352 0377 0491 0498 0509 0521 0529 0544 0598 0600 0608 0618 0625 0637 0777 0796 0938 0985 0998 1000 1020 1025 1036 1133 1151 1169 1176 1190 1201 1216 1267 1271 1299 1344 1404 1415 1444 1449 1471 1476 1502 1505 1524 1616 1622 1640 1645 1658 1677 1691 1699 1733 1859 1873 1879 1885 1894 1900 1924 1938 1949 2035 2059 2071 2081 2100 2109 2140 2213 2228 2279 2317 2344 2350

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2445 2456 2582 2601 2686 2705 2716 2721 2750 2918 2938 2951 2961 2967 2972 3008-3009 3051 3065 3098 3372 3399 3401 3419-3420 3441 3470 3777 3795 3814 3825 3859 3884 3930 4063 4084 4105 4137 4139

Accomplishment of this Service Bulletin requires the prior or simultaneous accomplishment of the following Service Bulletin(s):

Service Bulletin No. A320-34-1456

C. REASON

(1) History

This Service Bulletin is issued further to an operator's request.

(2) Objective/Action

This Service Bulletin replaces the THALES pitot probe 9DA2, PN C16195BA, by a GOODRICH pitot probe PN 0851HL, on the F/O side.

(3) Advantages

Accomplishment of this Service Bulletin will satisfy the operator's request.

(4) Operational/Maintenance Consequences

None

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

Task 341463-831-801-001: Modification

(1) Replace the pitot probe 9DA2

E. COMPLIANCE

(1) Classification

OPTIONAL: Service Bulletin for convenience or option.

(2) Accomplishment Timescale

In accordance with operators' maintenance schedule.

F. APPROVAL

The technical content of this document is approved under the authority of Design Organization Approval No. EASA.21J.031.

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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.

Task 341463-831-801-001: Modification	
Get Access	0.50
On Aircraft	
Replace the pitot probe 9DA2	0.50
Tests	0.50
Close-Up	0.50
TOTAL MANHOURS	2.00
ELAPSED TIME (HOURS)	2.00

H. WEIGHT AND BALANCE

Not Changed

I. ELECTRICAL LOAD DATA

Not Changed

J. REFERENCES

Aircraft Maintenance Manual (AMM)	12-34-24 34-11-15
ATA Common Support Data Dictionary (CSDD), Chapter 2	
Elec. Std. Practices Manual (ESPM)	20-55-00
Service Bulletin (SB)	A320-34-1456

K. PUBLICATION AFFECTED

Aircraft Wiring List (AWL)	
Illustrated Parts Catalog (IPC)	34-11-01 34-11-15

L. INTERCHANGEABILITY/MIXABILITY

DESCRIPTION	OLD PART N°	NEW PART N°	INT	MIXABILITY	SEE NOTES
Probe-Pitot	C16195BA	0851HL	03	Not Applicable	

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

M. SPARES

Probe-Pitot	C16195BA

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2. MATERIAL INFORMATION

**CONF ALL

A. MATERIAL - PRICE AND AVAILABILITY

(1) Procurement Addresses

Equipment BFEA01	Vendor parts are to be purchased from : ROSEMOUNT AEROSPACE INC DBA GOODRICH SENSOR SYSTEMS DIV. 14300 JUDICIAL ROAD MN 55306-4890 BURNSVILLE USA

(2) Price and Availability

Sales terms must be agreed between the Customer and AIRBUS in accordance with the RFC (or RFC/RMO) procedure.

B. INDUSTRY SUPPORT INFORMATION

Refer to the paragraph: 'Price and Availability'.

C. LIST OF COMPONENTS

No Kit

D. LIST OF MATERIALS - OPERATOR SUPPLIED

(1) Consumable Materials

None

(2) Components

None

(3) Equipment

Equipment BFEA01

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
	0851HL	1	PROBE		C16195BA	03	

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

E. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

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F. TOOLING

None

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3. ACCOMPLISHMENT INSTRUCTIONS

Task 341463-831-801-001 - Modification

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.

IF THERE IS CONTAMINATION, REFER TO ESPM 20-55-00.

Task Associated Data

Zone	
120	
Modified FIN	
9DA2	
Access	
Door	822
Manpower	
TOTAL MANHOURS	2.00
ELAPSED TIME (HOURS)	2.00

A. GENERAL

(1) Subtask 341463-839-001-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

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B. PREPARATION

(1) Subtask 341463-941-001-001 - External preparation

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 12-34-24-869-002

(a) Make sure that the aircraft is electrically grounded (Refer to AMM Task 12-34-24-869-002).

(2) Subtask 341463-941-002-001 - Preparation Procedure

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 34-11-15-000-001

(a) Do the preparation procedure as specified in the removal of the pitot probe (9DA2) (Refer to AMM Task 34-11-15-000-001).

C. PROCEDURE

(1) Subtask 341463-831-001-001 - Replace the pitot probe 9DA2

Work Zones and Access Panels			
	Zone	Access/Work location	
	120	Access	Door 822

Manpower Resources	
Manhours	0.50
Minimum number of person	1
Subtask elapsed time	0.50
Skills	NON SPECIFIC

Material necessary to do the job

Equipment BFEA01				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
	0851HL	1	PROBE	

References	
Aircraft Maintenance Manual (AMM)	Task 34-11-15-000-001 Task 34-11-15-400-001

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(a) Remove :

(Refer to AMM Task 34-11-15-000-001)

FIN 9DA2

1	Probe-Pitot	C16195BA

(b) Install :

(Refer to AMM Task 34-11-15-400-001)

FIN 9DA2

1	Probe-Pitot	0851HL

D. TEST

(1) Subtask 341463-700-001-001 - Test

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 34-11-15-400-001

(a) Do the test after the installation of the pitot probe (9DA2) (Refer to AMM Task 34-11-15-400-001).

E. CLOSE-UP

(1) Subtask 341463-942-001-001 - Close-up Procedure

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 34-11-15-400-001

(a) Make sure that the work areas are clean and clear of tools and other items of equipment.

(b) Do the close-up procedure as specified in the installation of the pitot probe (9DA2) (Refer to AMM Task 34-11-15-400-001).

(c) Restore the systems and the aircraft to normal operating condition.

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SERVICE BULLETIN
REPORTING SHEET

TITLE: NAVIGATION - GENERAL - REPLACE THE THIRD THALES PITOT PROBE BY A GOODRICH PITOT PROBE

MODIFICATION No.: 151182P18009

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 embodiment:

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: Modification Operational Impact (MOI), if available YES/NO
Or : Intermediate 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:

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Attn: SDC32 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.

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SERVICE BULLETIN
QUALITY PERCEPTION FORM

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 Operator Supplied	X	Mod/Inspection
X	Manpower	X	Industry support	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:

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Attn : SEM4 Service Bulletins Management
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