

OWNER/EXT MAHIEU Tel : Fax :	Reporting A/L : CPA, AFR, DLH, MAU A/C affected : A330, A340 Engine affected :	TFU ISSUE DATE : Nov 1996 TFU FIRST ISSUE DATE : Dec 1995 TFU NEXT ISSUE DATE : ISSUE NB : 05	IMPACT ON : FLIGHT OPS, LINE MAINTENANCE EFFECT ON FLIGHT : NO CATEGORY : ECONOMIC VISIBILITY ON PAX : NO
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DESCRIPTION :

THIS TFU CANCELS AND REPLACES THE TFU 34-10-00-011 (A330/340 SECTIONS). OPERATORS HAVE REPORTED AIRSPEED DISCREPANCIES WHILE FLYING UNDER HEAVY PRECIPITATIONS OR FREEZING CONDITIONS, WHICH SOMETIMES LED TO THE A/THR AND A/P DISCONNECTION, THE E/W "F/CTL ADR DISAGREE" AND "F/CTL ALTN LAW".

CONSEQUENCES :

N/A

INVESTIGATION STATUS :

N/A

INTERIM SOLUTION :

N/A

MAINTENANCE ADVICE :

REFER TO THE SIL 34-047.

OPS ADVICE :

N/A

REPERCUSSION ON A/C DISPATCH :

N/A

PERMANENT OR FINAL SOLUTION :

STRONG CUMULO-NIMBUS (Cb) CONTAINING A HIGH DENSITY OF ICE CRYSTALS CAN BE ENCOUNTERED, PARTICULARLY IN THE INTERTROPICAL CONVERGENCE ZONE (ITCZ). IN SUCH AN ICY AND TURBULENT ATMOSPHERE, THE A/C AIR DATA PARAMETERS (PRESSURE DEPENDANT) MAY BE SEVERELY DEGRADED, EVEN THOUGH THE PROBE HEATERS WORK PROPERLY. IT HAS APPEARED THAT THE CHARACTERISTICS OF SUCH AN ENVIRONMENT COULD EXCEED THE WEATHER SPECIFICATIONS FOR WHICH THE PITOT PROBES ARE CURRENTLY CERTIFIED. THE WEATHER SPECIFICATIONS (ICING/LIQUID WATER CONTENT/GUTLET SIZE) TO WHICH THE PITOT PROBES SHALL RESIST HAVE THEREFORE BEEN UPDATED WITH MORE STRINGENT REQUIREMENTS ON THE BASE OF THE FIELD EXPERIENCE AND RECENT EXTENSIVE FLIGHT TESTS.

SERVICE BULLETIN

Airbus

Ref.	Rev.	Date	AIB Mod
27-3037 (A330)	00	Iss 18-Dec-1995	44070
Emb. Point :			
34-3038 (A330)	00	Iss 19-Nov-1996	44836
Emb. Point :			
(A330)	00		45021
Emb. Point :			
27-4042 (A340)	00	Iss 10-Apr-1995	43703
Emb. Point :			
34-4042 (A340)	00	Iss 19-Nov-1996	44836
Emb. Point :			
			MSN 182

Vendor

Ref.	Rev.	Date
LA2K0-27-007 (A330)	00	Iss 26-Dec-1995
LA2K0-27-006 (A340)	00	Iss 10-Apr-1995

RELEVANT DOCUMENTATION

Airbus OPS documentation

Doc.	Ref.	Rev.	Date
FCOM	3.04.24		
OEB	10/1 (A330)		
OEB	13/2 (A340)		

Airbus Maintenance documentation

Doc.	Ref.	Rev.	Date
SIL	34-047 (A330)	01	10-Oct-1994
SIL	34-047 (A340)	01	10-Oct-1994

Other documentation

Doc.	Ref.	Rev.	Date
OTHER	OIT 999.0122/94		DTD NOV 24/94

VENDOR and P/N affected

ROSEMOUNT ENGINEERING
0851GR

AIRSPEED DIFFERENCES UNDER MARGINAL WEATHER

TFU REF : 34.13.00.005

TFU STATUS : CLOSED/SOLUTION AVAILABLE

<p>OWNER/EXT MAHIEU Tel : Fax :</p>	<p>Reporting A/L : CPA, AFR, DLH, MAU A/C affected : A330, A340 Engine affected :</p>	<p>TFU ISSUE DATE : Nov 1996 TFU FIRST ISSUE DATE : Dec 1995 TFU NEXT ISSUE DATE : ISSUE NB : 05</p>	<p>IMPACT ON : FLIGHT OPS, LINE MAINTENANCE EFFECT ON FLIGHT : NO CATEGORY : ECONOMIC VISIBILITY ON PAX : NO</p>
<p>AIRBUS HAS LAUNCHED THE DEVELOPMENT OF THE FOLLOWING MODIFICIATIONS :</p> <p>1. DEVELOPMENT OF A NEW PITOT PROBE ABLE TO MATCH THE NEW REQUIREMENTS. ALL FLIGHT TESTS AND WIND TUNNEL TESTS ARE NOW COMPLETED AND SUCCESSFULL : THE CERTIFICATION OF A NEW PITOT PROBE HAS BEEN OBTAINED EARLY IN NOVEMBER 1996 (NEW PITOT PROBE : P/N 851HL MOD 44836).</p> <p>2. IMPROVEMENT IN THE FCPC LOGIC TO REVERT BACK TO "NORMAL LAWS" AFTER THE AIRSPEEDS RECOVER CONSISTENT VALUES BETWEEN EACH OTHERS (M9/L12, COVERED BY MOD 44070/43703 RESPECTIVELY).</p> <p>3. TO DECREASE THE POTENTIAL FOR AIRSPEED DISCREPANCIES UNDER MARGINAL WEATHER, THE AMM PROCEDURES (FUNCTIONAL CHECK, LEAK TEST, FLUSH TEST, PITOT INSTALLATION) ARE UPDATED IN THE NEXT REVISION TO ENSURE THAT THE DRAINING HOLES ARE NOT OBSTRUCTED BY FOREIGN MATERIALS.</p>			
<p>AIRSPEED DIFFERENCES UNDER MARGINAL WEATHER</p>	<p>TFU REF : 34.13.00.005</p>	<p>TFU STATUS : CLOSED/SOLUTION AVAILABLE</p>	