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 **A300-600**
SERVICE BULLETIN

MODIFICATION No. 10403S20537, S20624

ATA SYSTEM : 22

TITLE : AUTO FLIGHT - FCC - UPGRADE SOFTWARE CONTROL LAW FOR A300-600.

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft models : B4-601, B4-603, B4-605R, B4-622, B4-622R, C4-620.

(2) Aircraft

Customer and Fleet No.	MSN	Kit No.	Qty of Kits
			None
AAL050-084	423,459,460,420,461,462, 463,465,466,469,470,471, 474,506,507,508,509,510, 511,512,513,514,515,516, 517,606,610,612,615,619, 626,639,643,645,675		
AW001-008	611,613,630,633,664,668, 688,690		
CAL601-606	529,533,536,578,580,666		
CCA601-604	521,525,532,707		
DLH601-611	380,391,401,405,408,411, 414,546,553,618,623		
JAS001-009	602,617,621,637,641,670, 679,683,703		
KAC601-603	673,694,699		
KAL501-503	361,365,358		
KAL551-566	477,479,388,417,543,554, 560,582,583,609,614,627, 631,662,685,692		
MOH001-004	540,556,604,605		

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Customer and Fleet No.	MSN	Kit No. Qty of Kits None
MSR001-009	557,561,572,575,579,581, 601,607,616	
OAL001,002	632,696	
RF001	354	
RF051	374	
SVA001-011	284,294,301,307,312,317, 321,336,341,348,351	
THA051-066	368,371,377,384,395,398, 464,518,566,569,577,628, 629,635,681,705	
UAE101-105	505,558,563,608,701	
XF601,602	555,559	
XF701,702	625,677	
XJ001,002	657,659	
X0001,002	584,603	
XQ001	252	
XQ051	530	

This modification is embodied prior to delivery on A/C MSN 709 and subsequent.

NOTE 1 : Accomplishment of this Service Bulletin requires the previous or simultaneous accomplishment of Service Bulletin No. A300-22-6009 (Modification No. 7187S7843) and Service Bulletin No. A300-22-6020 (Modification No. 7187S7843) valid for SVA and RF.

(3) Spares

None.

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B. REASON

(1) History

This Service Bulletin is published to advise operators of all A300/600 concerned of the issue of SEXTANT AVIONIQUE Service Bulletin No. B470AAM-22-007.

(2) Objective/Action

To provide autopilot disengagement by applying a 15daN force on the control column in go-around mode above 400 feet (radio altitude) this Service Bulletin recommends to modify the software of both Flight Control Computers.

The modified Flight Control Computers will also include improvements which have been identified from the last standard.

(3) Advantages

Operational benefits and/or passenger confort by :

- autopilot disengagement by 15daN force on control column during go-around above 400 feet (radio altitude),
- avoidance of unwanted autopilot disengagement when the pilot takes firmly the control column,
- nose down improvement to avoid the pitch attitude increase after main landing gear touch down,
- improvement of "LEVEL CHANGE" mode to avoid the "VMO" overshoot,
- "ALT HOLD" mode improvement in heavy turbulence.
- improvement of autopilot capacity to counteract strong vertical gust in cruise.

(4) Accomplishment Timescale

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

(5) Interchangeability/Mixability

Interchangeability : See Para. 3 - MATERIAL INFORMATION.

Mixability : Not applicable.

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NOTE : Only the interchangeability and mixability configurations and conditions expressly mentioned in this Service Bulletin are endorsed by Airbus Industrie.
Should airlines wish to install any other configuration, they must contact Airbus Industrie beforehand.

C. DESCRIPTION

Accomplishment of this Service Bulletin consists in carrying out the following jobs on the aircraft :

In avionics compartment, zone 121, left electronics rack, 80VU :

Modification of Flight Control Computers (FCC1 and FCC2).

D. APPROVAL

The design data contained in this Service Bulletin has been approved under the authority of DGAC Design Organisation Approval No. C 01. 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. C 01, when they are minor.

E. MANPOWER

	<u>Manhours</u>	
	<u>Aircraft</u>	<u>Bench</u>
Removal/Installation of FCCs	1.0	
Modification		Refer to SEXTANT AVIONIQUE Service Bulletin No. B470AAM-22-007
Test	0.5	
TOTAL MANHOURS	1.5	
ELAPSED TIME (HOURS)	1.5	

NOTE : This Service Bulletin assumes that the aircraft has been placed in a maintenance status. The manhours/elapsed time estimates do not include preparation for the modification, non-productive elapsed time, or administrative functions.

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F. MATERIAL - COST AND AVAILABILITY

Terms of procurement are to be negotiated directly with SEXTANT AVIONIQUE, as per SEXTANT AVIONIQUE Service Bulletin No. B470AAM-22-007.

G. TOOLING - PRICE AND AVAILABILITY

None.

H. WEIGHT AND BALANCE

None.

I. REFERENCES

Aircraft Maintenance Manual : 06-41-52, 22-18-34, 22-40-00, 24-00-00,
24-41-00

Service Bulletin No. A300-22-6009 (Mod. No. 7187S7843)

Sextant Avionique Service Bulletin No. B470AAM-22-007

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog : 22-18-08.

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