

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

Inspection and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.

Translation of 'Consigne de Navigabilité' ref. : 97-182-070(B) R3
In case of any difficulty, reference should be made to the French original issue.

AIRBUS INDUSTRIE

A340 Aircraft

Cockpit - Installation of switch guards for EDP
switch push buttons (P/B)

APPLICABILITY :

This Airworthiness Directive applies to AIRBUS INDUSTRIE A340 series aircraft Models -211 ; -212 ; -213 ; -311 ; -312 ; -313 which have not received either AIRBUS INDUSTRIE modification 45770 or AIRBUS INDUSTRIE Service Bulletin A340-29-4051.

The aircraft which have received in production AIRBUS INDUSTRIE modification 45191 or modified in accordance with the instructions of the AIRBUS INDUSTRIE Service Bulletin A340-29-4032 are not concerned by the requirements of this Airworthiness Directive.

REASONS :

This Airworthiness Directive is prompted by a second in-flight event as a result of inadvertently selecting "OFF" the four (4) Hydraulic Pumps pushbuttons instead of selecting "ON" the four (4) Fuel XFEED valves pushbuttons (P/B), while applying the Fuel Imbalance Procedure.

This condition has led to a total loss of hydraulic power which, unless promptly corrected by reselecting "ON" the four (4) hydraulic P/Bs, severely reduces the controllability of the aircraft.

COMPLIANCE :

To prevent an in-flight inadvertent switching "OFF" of the four (4) Hydraulic EDP pumps P/Bs instead of selecting "ON" the four (4) Fuel XFEED valves P/Bs, the following measures are rendered mandatory on effective date of this Airworthiness Directive.

- a) Bring to the attention of all A340 flight crews the need to strictly adhere to the Standard Operating Procedures as described in FCOM 3.03.01.P2. particularly when several actions are to be applied.
- b) Insert into the Aircraft Flight Manual the Temporary Revision (T.R) No. 4.03.00/17 as approved by DGAC on July 21st, 1997 and follows the corresponding procedure.

- c) Not later than October 15th, 1997, unless already accomplished, install on each of the four Push-Button (P/B) switches of Engine Driven Pumps (EDP) located on overhead panel 245VU a switch guard in accordance with the instructions given in AIRBUS INDUSTRIE Service Bulletin A340-29-4051.
- d) After accomplishment of AIRBUS INDUSTRIE Service Bulletin A340-29-4051 withdraw from the Aircraft Flight Manual the T.R. No. 4.03.00/17 dated July 21, 1997.

NOTE 1 :

The procedure described in T.R. No. 4.03.00/17 dated July 21, 1997 and inserted into the Aircraft Flight Manual in accordance with the requirements of § b) of this Airworthiness Directive is also described in AIRBUS INDUSTRIE Operations Engineering Bulletin red "OEB" 23/1 dated July, 1997 which is no more necessary subsequent to accomplishment of AIRBUS INDUSTRIE Service Bulletin A340-29-4051.

NOTE 2 :

Modification 45191 is an alternate means of compliance for this Airworthiness Directive.

Ref. : AIRBUS INDUSTRIE A340 OEB Ref. 23/1, dated July 1997
AIRBUS INDUSTRIE A340 T.R. No. 4.03.00/17 dated July 21, 1997
(or any further approved revision)
AIRBUS INDUSTRIE Service Bulletin A340-29-4051
(or any further approved revision)
AIRBUS INDUSTRIE Service Bulletin A340-29-4032
(or any further approved revision).

This Revision 3 replaces the Airworthiness Directive 97-182-070(B)R1 dated November 19, 1997.

EFFECTIVE DATES :

Original AD : AUGUST 23, 1997
Revision 1 : SEPTEMBER 20, 1997
Revision 2 : NOVEMBER 29, 1997
Revision 3 : JULY 11, 1998