

# 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. : 97-154-049(B) R1  
In case of any difficulty, reference should be made to the French original issue.

## AIRBUS INDUSTRIE

### A330 Aircraft

Radio altimeter "THOMSON"

This Airworthiness Directive applies to AIRBUS INDUSTRIE A330 aircraft, series 301, 321, 322, 341 and 342 equipped with radio altimeters transceivers "THOMSON" P/N 9599-607-19501 which have not received in production either AIRBUS INDUSTRIE modifications 44457 and 45022 or AIRBUS INDUSTRIE Service Bulletins A330-21-3053, A330-92-3017 and A330-34-3044.

In order to protect against presence of moisture inside the rear electrical connectors for radio altimeter transceivers THOMSON which can cause incorrect fluctuations of the radio height and therefore reduce the reliability of these radio altimeters, the following measures are rendered mandatory on the effective date of this Airworthiness Directive :

Not later than October 31, 1998 from effective date of this Airworthiness Directive accomplish the following instructions :

- 1) To protect the radio altimeter transceivers 1SA1 and 1SA2 from water penetration, install a protective cover and an improved air ventilation in accordance with the instructions given in AIRBUS INDUSTRIE Service Bulletin A330-21-3053.
- 2) Replace the non sealed electrical connectors for the radio altimeter transceivers 1SA1 and 1SA2 at the mounting trays by sealed ones in accordance with the instructions given in AIRBUS INDUSTRIE Service Bulletin A330-92-3017.
- 3) Replace the 2 radio altimeter transceivers THOMSON ERT 540 (1SA1 and 1SA2) P/N 9599-607-19501 by new radio altimeter transceivers THOMSON ERT 540 P/N 9599-607-19502 in accordance with AIRBUS INDUSTRIE Service Bulletin A330-34-3044.

**NOTE 1 :** The AIRBUS INDUSTRIE aircraft which have received in production either AIRBUS INDUSTRIE modification 41510 or AIRBUS INDUSTRIE Service Bulletin A330-34-3005 which installs ROCKWELL INC. (COLLINS) radio altimeter transceivers are not concerned by the requirements of this Airworthiness Directive.

**NOTE 2 :** The actions described under paragraphs 1), 2) and 3) of this Airworthiness Directive can be independently installed on the aircraft by the operators.

**NOTE 3 :** Full accomplishment of paragraphs 1), 2) and 3) of this Airworthiness Directive, cancels the requirements of Airworthiness Directive 95-271-025(B)R1.

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October 08, 1997

AIRBUS INDUSTRIE  
A330 Aircraft

97-154-049(B) R1

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Ref. : AIRBUS INDUSTRIE Service Bulletin A330-21-3053  
(or any further approved revision)  
AIRBUS INDUSTRIE Service Bulletin A330-92-3017  
(or any further approved revision)  
AIRBUS INDUSTRIE Service Bulletin A330-34-3044  
(or any further approved revision)

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| This Revision 1 replaces original issue of this Airworthiness Directive.

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**EFFECTIVE DATES :**

| **Original AD : JULY 26, 1997**  
**Revision 1 : OCTOBER 18, 1997**