

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. : 91-234-127(B) R3
In case of any difficulty, reference should be made to the French original issue.

AIRBUS INDUSTRIE

A310 Aircraft

Main landing gear - Inspection of the upper part of the M.L.G barrel at the shock absorber attachment for crack detection and gap measurement.

The present Airworthiness Directive is applicable to AIRBUS INDUSTRIE A310 aircraft, all models, which have not been originally supplied with the modifications AIRBUS INDUSTRIE 1033/S7998, (Service Bulletins AIRBUS INDUSTRIE A310-32-2066R1 / MESSIER BUGATTI 470-32-640; MESSIER BUGATTI 470-32-763).

In order to prevent any risk of rupture of the rear attachment of the main landing gear barrel, associated to stress corrosion development, the following measures are rendered mandatory at the effective date of the present Airworthiness Directive :

1. Except if already accomplished, within 8 days after December 30, 1993, perform a check of the gap between the barrel and the washer P/N D53256, following instructions of paragraph 4.2.2.A of AOT 32-04 revision 1, issued by AIRBUS INDUSTRIE on October 22, 1991, on the following barrels on which Service Bulletin MESSIER BUGATTI 470-32-640 had not been embodied when new :

- (a) those which are more than three years old since new, and which have not been overhauled*,
- (b) those which are more than three years old since new, and which have been overhauled* since more than three years, on which no corrosion has been removed in the concerned area,
- (c) those which have been overhauled, and which have required corrosion removal in the concerned area.

NOTE for paragraphs 1.(a), 1.(b) and 1.(c) :

* at the effective date of Airworthiness Directive 91-234-127(B)R1 (February 15, 1992).

2. Except if already accomplished, within 3 months from the effective date of the present Airworthiness Directive, perform a check of the gap between the barrel and the washer P/N D53256, following instructions of paragraph 4.2.2.A of AOT 32-04 revision 1, issued by AIRBUS INDUSTRIE on October 22, 1991, on the following barrels :

- (a) those which are less than three years** old since new,
- (b) those which have been overhauled within the last three years**, and on which no corrosion has been removed in the concerned area,

NOTE for paragraphs 2.(a) and 2.(b) :

** this ageing is to be considered from the effective date of Airworthiness Directive 91-234-127(B)R1 (February 15, 1992).

n/C

July 06, 1994

AIRBUS INDUSTRIE
A310 Aircraft

91-234-127(B) R3

- (c) those which are post AIRBUS INDUSTRIE Service Bulletins A310-32-2066R1 / MESSIER BUGATTI 470-32-640, since new,
(d) those which have been overhauled between the February 15, 1992 and the effective date of this Airworthiness Directive.

3. Perform a visual inspection, followed by an Eddy Current inspection, in accordance with the delays and instructions defined by the Service Bulletin MESSIER BUGATTI 470-32-726R2, the gap measurement which is the subject of paragraphs 1 and 2 of this present Airworthiness Directive, being used as the parameter.
4. If, during the inspections, any crack is detected, the barrel must be replaced before any further flight.
5. Repeat the gap measurements and inspections by Eddy Current, according to the inspection intervals defined by MESSIER BUGATTI Service Bulletin 470-32-726R2.

In all cases the results of the inspections must be reported to AIRBUS INDUSTRIE and a copy must be sent to MESSIER BUGATTI.

6. Terminating actions

- 6-1** The accomplishment during the next overhaul or repair, of MESSIER BUGATTI Service Bulletin 470-32-763, and MESSIER BUGATTI Service Bulletin 470-32-640, cancels the requirements of the present Airworthiness Directive.
- 6-2** The Main Landing Gears which have received the application prior to the effective date of this present Airworthiness Directive, of the Service Bulletins AIRBUS INDUSTRIE A310-32-2065 / MESSIER BUGATTI 470-32-726, either original editions or revision 1, are exempt from inspection up to their next overhaul, provided that during the application of these Service Bulletins :

- the gap measurement was less than 1 mm (0.039 in)
- there was no report of cadmium oxidization or steel corrosion of the barrel in the concerned area.

However, should the instructions of paragraph 6-1 above not be applied during this next overhaul of the landing gear, then the inspections should be continued, in accordance with paragraph 5 of the present Airworthiness Directive.

Ref. : Service Bulletin	AIRBUS INDUSTRIE A310-32-2065
	original issue; R1;
Service Bulletin	AIRBUS INDUSTRIE A310-32-2066R1
Service Bulletin	MESSIER BUGATTI 470-32-640
Service Bulletin	MESSIER BUGATTI 470-32-726
	original issue; R1; R2;
Service Bulletin	MESSIER BUGATTI 470-32-763

The present Revision 3 replaces the Airworthiness Directive 91-234-127(B)R2 dated December 22, 1993.

E **FFECTIVE DATES :**

Original AD : OCTOBER 30, 1991
Revision 1 : FEBRUARY 15, 1992
Revision 2 : JANUARY 02, 1994
Revision 3 : JULY 16, 1994