

# 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. : 83-52-51(B)  
In case of any difficulty, reference should be made to the French original issue.**

## AIRBUS INDUSTRIE

### A300 B2-320, A300 B4 all models and A300 C4-203 aircraft

Main landing gears - Hinge arm P/N C65381-2 and C65381-4

This Airworthiness Directive applies to hinge arms P/N C65381-2 and C65381-4 manufactured before 1980 (refer to Note 1), regardless if installed on aircraft or held as spare or in stores.

Due to possible presence of chrome grinding defects on concerned hinge arms, following measures are hereby rendered mandatory unless already accomplished :

- 1 - Conduct crack detection on the lateral inboard trunnion of hinge arm, on actuating cylinder side, by using the two ultrasonic testing methods (probe parallel and probe at 45 degrees) as prescribed under paragraph 2-B of MESSIER-HISPANO-BUGATTI Service-Bulletin 470-32-442 (or later approved revision).

Presence of defect exceeding one or both criteria as prescribed under paragraph 2-B-(5) of MESSIER-HISPANO-BUGATTI Service Bulletin 470-32-442 (or later approved revision) requires the mandatory withdrawal of the hinge arm from service before next flight.

This inspection has to be performed and thereafter repeated at the following times :

- a) for hinge arms having accumulated more than 6 100 landings (refer to Note 2) on effective date of this Airworthiness Directive :
  - . Within the next 400 landings and thereafter at intervals not to exceed 400 landings.
- b) for hinge arms having accumulated 6 100 landings or less (refer to Note 2) on effective date of this Airworthiness directive :
  - . Before having accumulated 6 500 landings (refer to Note 2) and thereafter at intervals not to exceed 400 landings.

- 2 - In order to make sure that grinding of the chrome deposit has not initiated overheating or cracks, accomplish measures prescribed under paragraph 2-C of MESSIER-HISPANO-BUGATTI Service Bulletin 470-32-442 on the three trunnions (inboard, outboard and forward trunnions) on the occasion of the next return to workshop for overhaul or repair but not later than within the next 12 000 landings after effective date of this Airworthiness Directive.

Accomplishment of these measures cancels the necessity for mandatory repetitive inspection as prescribed under paragraph 1 of this Airworthiness Directive.

v.K

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April 20, 1983

**AIRBUS INDUSTRIE**  
**A300 B2-320, A300 B4 all series, A300 C4-203**  
**aircraft**

**83-52-51(B)**

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**NOTE 1** : MESSIER-HISPANO-BUGATTI Service Bulletin 470-32-442 specifies the serial numbers of affected hinge arms.

**NOTE 2** : For hinge arms which have not been modified in accordance with MESSIER-HISPANO-BUGATTI Service Bulletin 470-32-431 (AIRBUS INDUSTRIE Service Bulletin A300-32-362), the time limits of 6 100 and 6 500 landings mentioned under paragraph 1 of this Airworthiness Directive are to be counted from date when hinge arm was initially put into service.

For hinge arms which have been reconditioned in accordance with MESSIER-HISPANO-BUGATTI Service Bulletin 470-32-431 : .

a) - time limits of 6 100 and 6 500 landings mentioned under paragraph 1 of this Airworthiness Directive are to be counted from date when hinge arm was initially put into service if the reconditioned trunnion was located in the outboard position, on the side of universal joint.

b) - time limits of 6 100 and 6 500 landings mentioned under paragraph 1 of this Airworthiness Directive are to be counted from date of reconditioning if the reworked trunnion was previously located in the inboard position, on the side of actuating cylinder.

**NOTE 3** : AIRBUS INDUSTRIE Service Bulletin A300-32-365 is related to MESSIER-HISPANO-BUGATTI Service Bulletin 470-32-442.

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The requirements of this Airworthiness Directive are covered in FRG by LTA n° 83-74.

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**DATE OF EFFECTIVITY : APRIL 28, 1983**