

AIRWORTHINESS DIRECTIVE

released by Direction Générale de l'Aviation Civile

Inspections 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"
Réf.: 82-181-44 (B)
In case of any difficulty, reference should
be made to the French original issue.

AEROSPATIALE HELICOPTERS - SA 330 PUMA (ALL MODELS)

MAIN ROTOR HEAD/SHAFT ASSEMBLY
MONITORING THE TORQUE LOAD ON THE FLAPPING HINGE PIN ATTACHMENT NUT

Following the finding on aircraft in service of a part loss of the torque load on the flapping hinge attachment nut, the following measures have been rendered mandatory :

- 1 - Within the 25 hours of flight following the effective date of the present airworthiness directive, except for main rotor heads modified according to AMS 07.43091 (new torque load), check the torque load on the flapping hinge pin attachment nut in accordance with the instructions given in PUMA AEROSPATIALE SERVICE BULLETIN No 05-65.
 - 1.1 - If the torque value found is more than 10 mdaN, correct the torque by applying a preload torque load of 25 mdaN (compression of assembly), then a torque value comprised between 16.3 and 19.5 mdaN.
 - 1.2 - If the torque value found is less than 10 mdaN, correct the torque by applying a preload torque load of 25 mdaN (compression of assembly), then a torque value comprised between 16.3 and 19.5 mdaN.

Within the 300 hours of flight (on the occasion of the P2 type inspection) following this operation, proceed to a detailed verification on the yoke lugs involving disassembly in accordance with the instructions given in PUMA AEROSPATIALE SERVICE BULLETIN No.05-65.

NOTE : Reassembly shall be carried out by applying a preload torque load of 25 mdaN then a torque load comprised between 16.3 and 19.5 mdaN. This torque shall be re-adjusted within the first 3 to 5 hours of flight following this operation.

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Date : Dec. 15, 82

AEROSPATIALE HELICOPTERS -
Material : SA 330 PUMA (ALL MODELS)

Reference : 82-181-44 (B)

2 - Every 300 hours of flight (on the occasion of the P2 type inspection) after compliance with the measures prescribed in paragraphe 1, or application of modification AMS 07.43091 (new torque load), repeat the inspection of the torque load on the flapping hinge pin attachment nut, in accordance with the instructions given in AEROSPATIALE SERVICE BULLETIN No 05-65.

NOTE 1 : *The detailed instructions regarding the accomplishment of the above mentioned operations and the possible measures to be taken (elimination of fretting, rework tolerance, correction of protection...) are indicated in PUMA AEROSPATIALE SERVICE BULLETIN No 05-65.*

NOTE 2 : *Work card No 65.12.407 of the maintenance manual will be updated according to instructions given in AEROSPATIALE SERVICE BULLETIN No 05-65.*

REFERENCE : PUMA AEROSPATIALE SERVICE BULLETIN No 05-65 and subsequent approved revisions.

EFFECTIVE DATE : The present airworthiness directive cancels and replaces airworthiness directive 82-118-42 (B) dated September 8, 1982 and widens its applicability, precedently limited to SA 330 J helicopter, to the whole SA 330 PUMA fleet. Consequently the effective date for the present directive :

- stays as indicated in airworthiness directive 82-118-42 (B) for SA 330 J helicopter (September 15, 1982)
- is December 22, 1982 for all other models.