



SERVIÇO PÚBLICO FEDERAL

DEPARTAMENTO DE AVIAÇÃO CIVIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE

29 Nov. 2004

AD No.:

2004-11-05

The following Airworthiness Directive (AD), issued by the Departamento de Aviação Civil (DAC) in accordance with provisions of Chapter IV, Title III of Código Brasileiro de Aeronáutica - Law No. 7,565 dated 19 December 1986 - and Regulamento Brasileiro de Homologação Aeronáutica (RBHA) 39, applies to all aircraft registered in the Registro Aeronáutico Brasileiro. No person may operate an aircraft to which this AD applies, unless it has previously complied with the requirements established herein.

AD No. 2004-11-05 - AEROMOT - Amendment 39-1054.

APPLICABILITY:

This Airworthiness Directive is applicable to the following Aeromot aircraft:

- Model AMT-100, serial numbers 100001 thru 100003, 100005 thru 100015, 100017, 100019, 100022 thru 100039, and 100041 thru 100044;
- Model AMT-100 (remanufactured to AMT-200), serial numbers 100004, 100016, 100018, 100020 and 100021;
- Model AMT-200, serial numbers 200040, 200045 thru 200105, 200108 thru 200111, 200113 thru 200118, and 200121;
- Model AMT-200S, serial numbers 200119, 200122 thru 200124, and 200126 thru 200155; and,
- Model AMT-300, serial numbers 300106, 300107, 300115 and 300125.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found the occurrence of cases of loosening of the nut installed at the torque link, which connects the movable leg to the fixed strut of the main landing gear. This fact may lead to the loss of the connection bolt between the legs, and may lead to the loss of aircraft control on the ground.

Since this condition may occur in other airplanes of the same type and affects flight safety, a corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit, without prior notice.

REQUIRED ACTION:

Inspection and replacement of the nut and bolt installed on each main landing gear torque link.

COMPLIANCE:

Required as indicated below, unless already accomplished.

- (a) Before the next pre-flight inspection, check the nut and bolt condition installed at the torque link, which connects the movable leg to the fixed strut of each main landing gear. If the self locking nut is loose, replace it by a new one applying a specified torque, in accordance to the detailed instructions and procedures described in the Aeromot Service Bulletin No. 200-32-100, original issue, or further revisions approved by the CTA.

Repeat this check before each pre-flight inspection until the accomplishment of item (b) below.

- (b) Within the next 30 landings after the effective date of this AD, install the new nuts and the new bolts in the torque link, which connects the movable leg to the fixed strut of each main landing gear in accordance with the detailed instructions and procedures described in the Aeromot Service Bulletin No. 200-32-100, original issue, or further revisions approved by the CTA.

The detailed instructions and procedures to accomplish this AD are described in the Aeromot Service Bulletin No. 200-32-100, original issue, or further revisions approved by the CTA.

Record compliance with this AD in the applicable maintenance log book.

CONTACT:

For additional technical information, contact:

Centro Técnico Aeroespacial - CTA
Instituto de Fomento e Coordenação Industrial - IFI
Divisão de Certificação de Aviação Civil - CAvC
Praça Mal. Eduardo Gomes, 50 - Vila das Acácias
Caixa Postal 6001
Fax: 55 (12) 3941-4766
12231-970 - São José dos Campos - SP, BRAZIL.
e-mail: pds@ifi.cta.br

For acquisition, contact:

Departamento de Aviação Civil - DAC
Seção de Publicações do DAC (4GAB-4)
R. Santa Luzia, 651, 2º Mezanino, Centro
Fax: 55 (21) 3814-6929
20030-040 - Rio de Janeiro - RJ, BRAZIL.
e-mail: publicacoes@dac.gov.br

APPROVAL:

CLÁUDIO PASSOS SIMÃO - Ten Cel Eng
Chief of the Civil Aviation Certification Division
IFI/CTA

VENÂNCIO ALVARENGA GOMES - Cel Eng
Director of the Industrial Coordination and Fostering Institute
CTA

NOTE: Original in Portuguese language signed and available in the files of the Registro Geral de Aeronavegabilidade (RGA/TE-1/STE) of the Departamento de Aviação Civil.