



SERVIÇO PÚBLICO FEDERAL

DEPARTAMENTO DE AVIAÇÃO CIVIL

# BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE:

17 Jan. 2006

AD No.:

2005-12-01

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. 2005-12-01 - AEROMOT - Amendment 39-1106.**

### **APPLICABILITY:**

This Airworthiness Directive is applicable to all Aeromot AMT-100(), AMT-200() e AMT-300 aircraft models in operation.

### **CANCELLATION / REVISION:**

Not applicable.

### **REASON:**

It has been found the occurrence of incorrect use of the self-locking nuts in bolts subject to rotational loads in bolted fittings of some assemblies of metallic components. Such event may result in disconnection of those fittings, which jeopardizes the structural integrity of the aircraft or its flight controls.

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.

### **REQUIRED ACTION:**

Replacement of the washers, nuts and bolts installed in the assemblies identified below by new bolts, washers and castellated nuts with cotter pins.

### **COMPLIANCE:**

Required as indicated below, unless already accomplished.

Within the next 100 flight hours after the effective date of this AD, install new bolts, washers and castellated nuts with cotter pins in both main landing gear legs, in the swivel tail wheel, in the eye-bolt fittings located at firewall inside cabin, in the rudder LH and RH pedals assembly, in the bellcranks of the rudder cables assembly, in the bellcranks of the propeller pitch control assembly and in the LH and RH wings hinge point, in accordance with the detailed instructions and procedures described in the Aeromot Service Bulletin Nº 200-20-102 Rev. A, or further revisions approved by the CTA.

**NOTE 1:** The bolts replacement of the rudder pedals does not apply to the motorgliders, which are not equipped with independent toe brakes.

**NOTE 2:** The AMT-100() and AMT-200() motorgliders have cable end fittings of the propeller pitch control assembly with only one bolt.

The detailed instructions and procedures to accomplish this AD are described in the Aeromot Service Bulletin Nº 200-20-102 Rev. A, or further revisions approved by the CTA.

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

**CONTACT:**

For additional technical information, contact:

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**APPROVAL:**

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**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.