



GFA AIRWORTHINESS DIRECTIVE

- TYPE AFFECTED:** AMT 200 Super Ximango.
- SUBJECT:** Electric system - Inspection of Stator and Ignition Cables of Rotax Engines 912 A2.
- BACKGROUND:** Due to an unfavourable influence of some chemical reactions, improper installation or maintenance, the insulation material of the stator cables of the alternator could be damaged which might lead to problems with the ignition.
- DOCUMENTATION:** Mandatory service bulletin of Aeromot No. A200-24-061. ROTAX Service Bulletin No. SB 912-026/E
- ACTION REQUIRED:** Before the next flight the stator and ignition cables must be inspected according to the inspection instructions of Aeromot. The stator assy must be replaced as required in ROTAX Service Bulletin No. SB 912-026/E within the next 100 hours of operation and before 1-August 1999.
- WEIGHT AND BALANCE:** Not affected.
- IMPLEMENTATION:** Inspections and repairs must be performed by ROTAX distributors, Service Centres or people with the respective Aviation Authority permission. A copy of the AEROMOT service bulletin is available from the GFA office. Copies of the ROTAX service bulletin, materials and tooling will be supplied through authorised ROTAX distributors or Service Centres on request.
- COMPLIANCE:** The requirements of this GFA Airworthiness Directive are mandatory. This Directive is issued pursuant to the Rules and Regulations of the Gliding Federation of Australia.

SIGNED:


CHIEF TECHNICAL OFFICER AIRWORTHINESS

For and on behalf of:

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OF AUSTRALIA



ALERT SERVICE BULLETIN

Title: ELECTRIC SYSTEM – INSPECTION OF STATOR AND IGNITION CABLES OF ROTAX ENGINES 912 A2

MANDATORY

1. PLANNING INFORMATION:

1.1 Effectivity

Model:
AMT-200
AMT-100 (modified to AMT-200)

Serial Number:
200.040, 200.045 up to 200.105 and 200.108
100.004, 100.016, 100.018 and 100.021

1.2 Reason

Unfavourable influence of chemical reactions, improper installation or maintenance could cause damage on insulation material of stator cables of engine alternator and this condition could lead to ignition trouble.

1.3 Description

This Alert Service Bulletin is Mandatory and specifies the inspection on the stator and ignition cables to be performed before the next flight.

NOTE:

According to the Engine Manufacturer, the Stator Assy must be replaced as required in ROTAX Service Bulletin N° SB 912-026/E at the next 100 h of flight time, and before August 1, 1999 independently of the inspection result.

For this purpose the material, tooling and instructions will be supplied to the AMT-200 operators by Rotax through Authorized Distributors and Service Centers under request.

2. Inspection Instructions:

- 2.1** Check the ignition unit for mechanical, thermal and chemical damages (See figures 1 and 2).
- 2.2** Check all cable connections, all ground connections, charging and shorting cables and grounding cables for tight fit, good contact, corrosion and safety; repair as necessary.
- 2.3** Verify shielding of cable assemblies for damage, for grounding contact and safety.



ALERT SERVICE BULLETIN

NOTE:

- 1) Inspections and repairs must be performed by Rotax Distributors, Service Centers or people with the respective Aviation Authority permission.
- 2) Inspections must be performed with ignition switched off and battery negative pole disconnected.

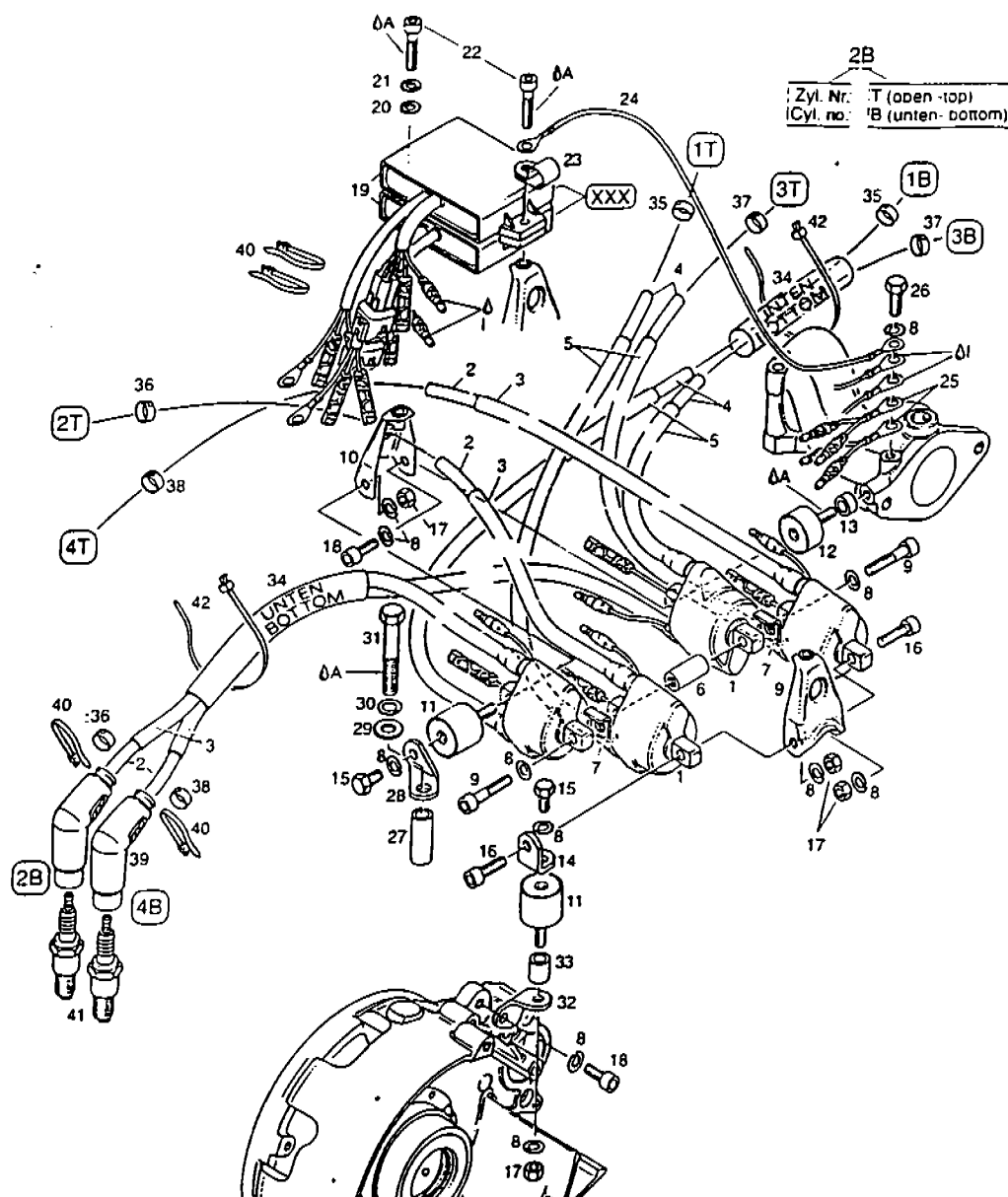


Figure 1

