



THE GLIDING FEDERATION OF AUSTRALIA

GFA AD 549
(ISSUE 1)

GFA AIRWORTHINESS DIRECTIVE

TYPES AFFECTED: Diamond Aircraft
H 36-VT
HK 36 R
HK 36 TS
HK 36 TC
HK 36 TTS
HK 36 TTC
HK 36 TTC-ECO

All serial numbers.

SUBJECT: Voltage regulator/rectifier.

BACKGROUND: There has been a case of an electrical fire caused by corroded electrical connectors on the voltage regulator.

DOCUMENTATION: Diamond Aircraft Service Information No S136-005 forms part of this AD.

ACTION REQUIRED: Inspect and if necessary clean the electrical connections as per SI No S136 055.

WEIGHT AND BALANCE: Not affected.

IMPLEMENTATION: Before further flight and then at each scheduled inspection.

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:

THE GLIDING FEDERATION
OF AUSTRALIA

TECHNISCHE INFORMATION NR. SI36-005

SERVICE INFORMATION NO. SI36-005

I. TECHNISCHE ANGABEN

1.1 Betroffene Flugzeuge

H 36-VT	alle Werknummern
HK 36 R	alle Werknummern
HK 36 TS	alle Werknummern
HK 36 TC	alle Werknummern
HK 36 TTS	alle Werknummern
HK 36 TTC	alle Werknummern
HK 36 TTC-ECO	alle Werknummern

1.2 Gegenstand

ATA-Code: 24-30
Spannungsregler/Gleichrichter

1.3 Anlaß

Es trat ein Fall eines Kabelbrandes auf, hervorgerufen durch korrodierte elektrische Kontakte am Regler.

1.4 Information

Bei der Untersuchung des oben angesprochenen Falls stellte sich folgendes heraus:

Durch Korrosion der elektrischen Kontakte war der Übergangswiderstand sehr hoch geworden, sodaß es zu erheblicher Wärmeentwicklung und in der Folge zu einem Kabelbrand kam.

I. TECHNICAL DETAILS

1.1 Airplanes affected

H 36-VT	all serial nos.
HK 36 R	all serial nos.
HK 36 TS	all serial nos.
HK 36 TC	all serial nos.
HK 36 TTS	all serial nos.
HK 36 TTC	all serial nos.
HK 36 TTC-ECO	all serial nos.

1.2 Subject

ATA-Code: 24-30
Voltage regulator/rectifier

1.3 Reason

There was one case of electrical fire, caused by corroded electrical connectors on the regulator.

1.4 Information

The investigation of the above mentioned case showed the following:

Due to corrosion of the electrical connectors, the transition resistance had become very high, resulting in significant heat development and consequential electrical fire.

Bei Erhalt dieser SI und bei jeder planmäßigen Wartung sind die elektrischen Kontakte am Regler auf Korrosion zu überprüfen und falls nötig zu reinigen.

II. SONSTIGES

Keine Angaben.

Upon receipt of this SI and during each scheduled inspection, the electrical connectors on the regulator should be inspected for corrosion and cleaned if necessary.

II. OTHER INFORMATION

None.