

MANDATORY SERVICE BULLETIN NO. MSB D4-032/2

SUPERSEDES MANDATORY SERVICE BULLETIN NO. MSB D4-032/1

I. TECHNICAL DETAILS

1.1 Category

Mandatory

1.2 Airplanes affected

Type: DA 40 D

Serial numbers: D4.097, D4.139 through D4.141
40.080, 40.084,
D4.001 up to and incl. D4.096
D4.098 up to and incl. D4.100
D4.102 up to and incl. D4.114
D4.117 up to and incl. D4.121
D4.123 up to and incl. D4.126
D4.128, D4.129, D4.132, D4.133, D4.134, D4.136

1.3 Time of Compliance

In conjunction with MSB D4-037

1.4 Subject

De-installation of the Silicate Cartridge in the engine liquid cooling system and use of coolant "Glysantin Alu Protect Premium G30" which offers further improvement of corrosion protection than the configuration of MSBD4-030/1 and MÄM 40-136.

ATA-Code: 75-20

1.5 Reason

It has been found that the corrosion in the cylinder heads can be better prevented by use of the coolant G30. The Silicate Cartridge is no longer necessary with this coolant.

1.6 Concurrent documents

OM 02-01, issue 2 Rev. 9 or later from Thielert Aircraft Industries.

1.7 Approval

The technical information or instructions contained in this document relate to the Design Change Advisory No. MÄM 40-147 which has been approved under the authority of EASA Design Organization Approval no. EASA.21J.052.

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1.8 Accomplishment/Instructions

- a) De-install Silicate Cartridge from liquid coolant tank in accordance to the instructions given in the Airplane Maintenance Manual.
- b) Exchange coolant and use Glysantin Alu Protect Premium / G30 in accordance to the instructions given in the Airplane Maintenance Manual.
- c) The Temporary Revision TR-MÄM-40-147 must be incorporated in the Airplane Flight Manual

1.9 Mass (Weight) and CG

Change in mass and cg is negligible.

II. PLANNING INFORMATION

2.1 Material & Availability

No special materials are required

2.2 Special Tools

No special tools are required.

2.3 Labor effort

De-installation of Silicate Cartridge:	30 minutes
Overall work:	2 hours

2.4 Credit

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2.5 Reference documents

DA 40 Series Airplane Maintenance Manual, Doc. No. 6.02.01.

III. REMARKS

1. All measures must be carried out by the manufacturer, a certified aircraft service station or a certified aircraft maintenance mechanic.
2. Accomplishment of the measures must be confirmed in the log book.
3. In case of any doubt, contact Diamond Aircraft.