

# OPTIONAL SERVICE BULLETIN NO. OSB D4-036/1

ERSETZT TECHNISCHE MITTEILUNG NR. OSB D4-036  
SUPERSEDES SERVICE BULLETIN NO. OSB D4-036

## I. TECHNICAL DETAILS

### 1.1 Category

Optional.

### 1.2 Airplanes affected

Type: DA 40 D

Serial numbers: 40.080, 40.084  
D4.001 up to and incl. D4.100  
D4.102 up to and incl. D4.121  
D4.123, D4.124, D4.125  
D4.127 up to and incl. D4.134  
D4.136  
D4.139 up to and incl. D4.147  
D4.152, D4.153

### 1.3 Time of Compliance

On holder's discretion

### 1.4 Subject

Optional installation of the external Regulator for Alternator, firewall forward.

ATA-Code: 71-00

### 1.5 Reason

New Alternator from Thielert Aircraft Engines

### **1.6 Concurrent documents**

OÄM 40-208, latest revision

### **1.7 Approval**

The technical information or instructions contained in this document relate to the Optional Design Change Advisory No. OÄM 40-208 which has been approved under the authority of EASA Design Organization Approval no. EASA.21J.052.

The technical information contained in this document has been approved under the authority of EASA Design Organization Approval No. EASA.21J.052.

### **1.8 Accomplishment/Instructions**

Installation of the external regulator in accordance to the instructions given in the Work Instruction WI-OSBD4-036, Thielert Installation Manual IM-02-01 Chapter 13, Attachment 1 (available from Thielert Aircraft Engines) and Airplane Maintenance Manual.

Work Instructios No. WI-OSB40-036 must be complied with

### **1.9 Mass (Weight) and CG**

Change in mass and cg is negligible.

## **II. PLANNING INFORMATION**

### **2.1 Material & Availability**

Materials are available from Thielert Aircraft Engines.

### **2.2 Special Tools**

No special tools are required.

### **2.3 Labor effort**

Overall work: 3 hours

### **2.4 Credit**

-

### **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 or Thielert Aircraft Engines.

# WORK INSTRUCTION

## WI-OSB-D4-036

### „EXTERNAL REGULATOR FOR ALTERNATOR INSTALLATION FIREWALL FORWARD“

#### **I. GENERAL INFORMATION**

##### **1.1 Subject:**

The optional installation of the external regulator for alternator firewall forward for new Thielert Alternator.

##### **1.2 Reference Documents:**

Diamond Aircraft DA 40 Airplane Maintenance Manual, Doc. No. 6.02.01, latest effective issue.

##### **1.3 Remarks:**

- a) The work must be carried out by a certified aircraft service station or a certified aircraft maintenance mechanic. In case of doubt, contact Diamond Aircraft or Thielert Aircraft Engines.
- b) All works, particular those that are not especially described in this work instruction, have to be carried out in accordance with the referenced maintenance manual issue.

#### **II. DRAWINGS, SPECIAL TOOLS & MATERIAL**

##### **2.1 Drawings:**

D4D-7103-00-00x01  
D4D-7126-10-00x01

##### **2.2 Special Tools:**

No special tools are required.

##### **2.3 Material:**

All required Materials are available from Thielert Aircraft Engines

### **III. INSTRUCTIONS**

1	Remove Cowling from Airplane
2	Remove the blowby (see Thielert Installation Manual IM-02-01, Chapter 13, Attachment 1)
3	Drill 2 $\Phi$ 3.2mm holes and 1 $\Phi$ 5mm hole on positions given in drawing D4D-7126-10-00x01.
4	Drill 2 $\Phi$ 6.5mm holes according to drawing D4D-7103-00-00x01.
5	Installation in accordance to Thielert Installation Manual IM-02-01, Chapter 13, Attachment 1)
6	Clean working area and check for foreign objects
7	Check for adequate clearances and proper operation (see Thielert Installation Manual IM-02-01, Chapter 13, Attachment 1).
8	Install Cowling