

SERVICE INFORMATION NO. SI 42-145

NOTE: SI's are used only:
1) To distribute information from DAI to our customers.
2) To distribute applicable information/documents from our suppliers to our customers with additional information.
Typically there is no revision service for SI's. Each new information or change of that will be sent along with a new SI.

I. TECHNICAL DETAILS

1.1 Airplanes affected:

All DA 42 airplanes equipped with Thielert TAE 125-01 engines

1.2 Subject:

Update of TAE Repair Manual RM-02-01 Issue 4 Revision 7
ATA-Code: 72-10

1.3 Reason:

Thielert Aircraft Engines GmbH have recently updated the Repair Manual RM-02-01 of the TAE 125-01 engine. It should particularly be pointed out that according to the new incorporated caution note in chapter 05.0, Exchanging the Clutch, it is not permissible to use ceramic spray or grease for lubricating the clutch shaft prior to its installation. It must be ensured that the clutch shaft is installed dry and free of grease. Disregarding these instructions may cause the clutch to fail.

1.4 Information:

For detailed technical information refer to TAE Repair Manual RM-02-01 Issue 4 Revision 7 which is applicable without any further additions or restrictions.

II. OTHERS

The relevant page of the TAE Repair Manual RM-02-01 Issue 4 Revision 7 is attached to this Service Information.

In case of doubt contact Thielert Aircraft Engines GmbH.

6. Remove the clutch shaft (item 5) and the clutch shaft bearing (item 6). Pay attention to cleanliness! Discard the clutch shaft (item 5) and the clutch shaft bearing (item 6) and replace them with new ones during re-assembly.
7. Fit the new clutch shaft bearing (item 6) to the clutch shaft (item 5). See Fig. 05.0.5.

■ **CAUTION:** Make sure that the bearing is fitted correctly to the clutch shaft.

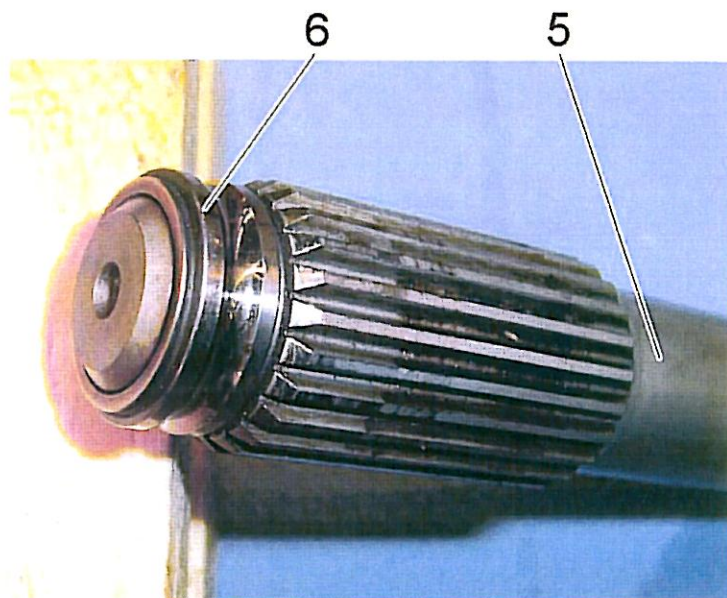


Fig. 05.0.5

8. Fit the new clutch shaft (item 5) with the new bearing (item 6) to the crankshaft. See Fig. 05.0.7

■ **CAUTION:** Always ensure that the clutch shaft is installed dry and free of grease.
The use of ceramic spray is not permissible!
Disregarding these instructions may cause the clutch to fail.

■ **CAUTION:** Make sure that the clutch shaft (item 5) with the bearing (item 6) is attached correctly with the right orientation as shown in Fig. 05.0.6.
