

## SERVICE INFORMATION NO. SID4-028

**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 send along with a new SI.

### I. TECHNICAL DETAILS

#### 1.1 Airplanes affected

all DA 40 D

#### 1.2 Subject

Engine.

ATA-Code: 72-00

#### 1.3 Reason

Loss of power during flight due to a partly open fuel line.

#### 1.4 Information

In addition to the information given in the Airplane Maintenance Manuel the following information for correct installation of the fuel filter must be considered.

#### **Affected Chapters / Items of the AMM:**

Section	28-21-00:	8. Bleed the Fuel Distribution System
Section	73-01-00:	C: Install the Engine Fuel Filter

**CAUTION:** MAKE SURE TO TIGHTEN THE FUEL HOSES WITH THE CORRECT TORQUE OF 17 - 22 Nm (12.5 - 16.2 ft.lb).. SINCE THE PRESSURE IN THE FUEL HOSES IS LOWER THAN THE AMBIENT AIR PRESSURE, A LEAK WILL ALLOW AIR TO ENTER THE FUEL SYSTEM. THIS LEADS TO A REDUCTION OF ENGINE POWER AND MAY CAUSE AN ENGINE FAILURE.

**NOTE:** DUE TO THE DIFFERENTIAL PRESSURE A POSSIBLE LEAK IS NOT DETECTABLE THROUGH FUEL LEAKAGE NEXT TO THE CONNECTOR.

## **II. OTHERS**

none