

## **SUPPLEMENTAL AIRPLANE MAINTENANCE MANUAL**

### **New Low-Pressure Fuel Pump**

This Supplemental AMM is approved in conjunction with the DEO valid in conjunction with the basic Airplane Maintenance Manual (AMM).

The limitations and information contained herein either supplement or, in the case of conflict, override those in the AMM.

**Doc. No. : 6.02.15 - DEO 40-010**

**Date of Issue : 16-Feb-2023**

**Design Change Advisory : DEO 40-010**

This document must be carried in the Airplane Maintenance Manual (AMM) at all times. It describes the maintenance procedures.

The technical content of this document has been approved under the authority of the DOA ref. EASA.21J.052.

Intentionally left blank.

**RECORD OF REVISIONS**

Rev. No.	Reason	Chapter	Page(s)	Date of Revision	Approval Note	Date of Approval	Date Inserted	Signature
1	DEO 42-010/a	All	All except Cover Page	20-Apr-2023	Rev.1 to AMM Supplement DEO 40-010 to AMM Doc. No. 6.02.15 is approved under the authority of DOA No. EASA 21J.052			

Intentionally left blank.

---

**TABLE OF CONTENTS**

**CHAPTER 03 – GENERAL DESCRIPTION..... 1**  
    2. Description..... 1

**CHAPTER 20 – STANDARD PRACTICES..... 1**  
    **Section 20-70 – Standard Practices - Engine..... 1**  
    3. Special Torque Procedures ..... 1

**CHAPTER 28 – FUEL SYSTEM .....201**  
    **Section 28-20 – Fuel Distribution System .....201**  
    **Maintenance Practices .....201**  
    6. Remove/Install the Electrically Driven Fuel Pumps with Bypass Valve ..... 201

Intentionally left blank.

## FOREWORD

This document is protected by copyright. All associated rights, in particular those of translation, reprinting, radio transmission, reproduction by photo-mechanical or similar means and storing in data processing facilities, in whole or part, are reserved.

Copyright © by: DIAMOND AIRCRAFT INDUSTRIES GMBH  
Nikolaus-August-Otto-Strasse 5  
2700 Wiener Neustadt, Austria  
Phone : +43-2622-26700  
Fax : +43-2622-26780  
E-Mail : [office@diamondaircraft.com](mailto:office@diamondaircraft.com)

Any occurrence related to this DEO shall be reported in writing to the address above or submitted to  
E-Mail: [airworthiness-austria@diamondaircraft.com](mailto:airworthiness-austria@diamondaircraft.com)



Intentionally left blank.



---

**CHAPTER 03 – GENERAL DESCRIPTION**

**2. Description**

A new electrical fuel pump is replacing the former model for obsolescence reasons. The new fuel pump requires different brackets for installation.

Intentionally left blank.

---

**CHAPTER 20 – STANDARD PRACTICES**  
**Section 20-70 – Standard Practices - Engine**

**3. Special Torque Procedures**

**Table 5 - Special Torque Values for the Engine**

<b>ITEM</b>	<b>THREAD</b>	<b>TORQUE (Nm)</b>	<b>TORQUE (lb.ft.)</b>
Electrically Driven Fuel Pumps with Bypass Valve	–	17 – 25	12.5 – 18.5

Intentionally left blank.

**CHAPTER 28 – FUEL SYSTEM**  
**Section 28-20 – Fuel Distribution System**  
**Maintenance Practices**

**6. Remove/Install the Electrically Driven Fuel Pumps with Bypass Valve**

**B. Install the Electrically Driven Fuel Pumps with Bypass Valve**

	<b>Detail Steps/Work Items</b>	<b>Key Items/References</b>
(1)	Install the fittings and copper washers provided with the fuel pumps	Pump fitting torque: 17 - 25 Nm (12.5 – 18.5 lbf.ft.).
(2)	Install the fuel pump assembly and tighten the four worm drive clamps.	Worm drive clamp torque: 3 - 3.5 Nm (2.2 + 2.4 lbf.ft.)
(3)	Install and tighten the two nuts which attach the fuel pump banjo to the support bracket.	
(4)	Install the bypass unit: <ul style="list-style-type: none"><li>- Fuel line, bypass valve and T-fitting.</li></ul>	
(5)	Connect the electrical wires of the fuel pumps to the airplane electrical system.	
(6)	Install the access panel under the fuselage around the gascolator drain valve.	Refer to Section 52-40.
(7)	Conduct an engine ground run.	Refer to Section 71-00.
(8)	Inspect the airplane for fuel leakage.	

Intentionally left blank