

SUPPLEMENTAL AIRPLANE MAINTENANCE MANUAL

DA 62

CDA ANDORRA CONFIGURATION

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

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

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

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

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FOREWORD

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

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CHAPTER 03

GENERAL DESCRIPTION OF THE AIRPLANE

1. Description

The DA 62 can be equipped with optional mission equipment that allows the aircraft to be used for law enforcement, surveillance, border control and search & rescue. The equipment as part of this DEO consists of a SWE-400 camera system in the WX Multi-Purpose Nose. Further a Telescope is installed on the camera hatch with associated components for the camera and the telescope installed in the nose and rear baggage compartment.

This supplemental AMM provides instructions for Continued Airworthiness related to this DEO.

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CHAPTER 05
TIME LIMITS AND MAINTENANCE CHECKS
Section 05-28-50
Maintenance Checklist DA 62 Airframe

1. Exterior of the Fuselage

F. CDA Andorra Configuration

Note: You must also do the applicable maintenance work described in Supplemental AMM M30.

		Interval					
	Inspection Items, CDA Andorra Configuration	100	200	1000	2000	Time	Initials
1.	Check all cables for improper connection and incorrect routing.	X	X	X	X		
2.	Check all cables for chafing.	X	X	X	X		
3.	Check attachment of SWE-400 camera system for insecure mounting: – Check for loose or missing fasteners. – Check mounting brackets for cracks and deformation.	X	X	X	X		
4.	Check equipment installed in the rear baggage compartment for improper or insecure mounting and for loose or missing fasteners: – Ethernet Switch – Peplink Router – Mission PC – Video Splitter – DC/DC Converter – Gyro Unit	X	X	X	X		

		Interval					
	Inspection Items, CDA Andorra Configuration	100	200	1000	2000	Time	Initials
5.	Check equipment installed in the cabin and operator middle console for improper or insecure mounting and for loose or missing fasteners: – Pilot Display – Left Hand Operator Display – Right Hand Operator Display – Telescope, Camera and Filter Assembly – Keyboard	X	X	X	X		
6.	Check equipment installed in the nose baggage compartment for improper or insecure mounting and for loose or missing fasteners: – SWE-400 IFU	X	X	X	X		
7.	Check Antennas on Equipment Wiring Installation Duct, Nose Fuselage and rear top Fuselage for insecure attachment and defective sealant.	X	X	X	X		

CHAPTER 11
PLACARDS AND MARKINGS
Section 11-30
Interior Placards and Markings

1. General

Install the corresponding placard in the LH & RH Nose baggage compartment:

No Baggage
allowed

Figure 1: Placard in Nose Baggage Compartment (LH)

Max. Baggage:
20 kg (44 lb)

Figure 2: Placard in Nose Baggage Compartment (RH)

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CHAPTER 24
ELECTRICAL POWER
Section 24-81-00
CDA Andorra Configuration

1. General

The Mission Equipment part of the CDA Andorra Configuration is supplied with power from the Mission Power Panel, which is installed on the RH side in the rear baggage compartment.

2. Overview Electrical Loads

For an overview of the electrical power consumption of the CDA Andorra Configuration refer to the Supplemental AFM D56, Section 7.10.

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CHAPTER 25
EQUIPMENT / FURNISHINGS
Section 25-70-32
CDA Andorra Configuration

1. Description of the Components

SWE-400 camera system

The SWE-400 camera system consists of the following main components:

- The SWE-400 Turret Camera Unit (TCU).
- The SWE-400 Interface Unit (IFU).
- The Hand Control Unit (HCU).

The TCU is installed in the WX Multi-Purpose Nose and provides a daylight camera with a high-definition zoom color camera as well as thermal imagers. The associated IFU is installed in the LH nose baggage compartment.

The HCU is loose equipment in the rear passenger compartment.

Mission Management System

The Mission Management System Consists of the following main components:

- The Mission PC.
- The LH Operator Display.
- The RH Operator Display.
- The 7" Display/ Recorder.
- The Keyboard with Touchpad.
- The Ethernet Switch.
- The Video Splitter.

The Mission PC, Video Splitter and Ethernet Switch are located in the Rear Baggage Compartment, while the displays and keyboard are installed in the cabin.

These components allow for control and monitoring of other Mission Systems.

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Maintenance Practices

1. General

Any replacement of the mission equipment, installed as part of this DEO, requires a reevaluation of the new installed equipment according to Supplemental Airplane Maintenance Manual DA 62, Installation Instructions for Module STC-62- 001-M30.

2. Remove/Install Procedures

Additional Mission Equipment may be removed separately, assumed that affected Mission Bus Circuit breaker is disengaged and secured, and affected Mission Bus is identified as “inop” with a Placard on the Mission bus switch panel.

Aircraft W&B and AFM Equipment List has to be corrected after each Removal/Installation of the additional Mission equipment.

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CHAPTER 92
WIRING DIAGRAMS

1. General

Title	Drawing No.	Rev. No.	No. of Sheets
Wiring, Mission	M056-9225-00-01_EPA	-	1

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