DA 40 AFM

DA 40 F AFM

Diamond
AIRCRAFT

Supplement A2
Intercomm, PM 1000 II

SUPPLEMENT A2

TO THE AIRPLANE FLIGHT MANUAL

DA 40, DA 40 F

INTERCOMM-SYSTEM

MODEL PM 1000 II

PS ENGINEERING INC

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0.1   RECORD OF REVISIONS

Rev. No.	Reason	Chapter	Page(s)	Date of Revision	Approval Note	Approval Date	Date Inserted	Signature
1		all	all	20 Apr 2001	n.a.	20 Apr 2001		
2	DA 40 F AFM Rev. 0 EASA Statement	all	all	15 Mar 2005	2005-3345			

0.2   LIST OF EFFECTIVE PAGES

Chapter	Page	Date
0	9-A2-1	15 Mar 2005
	9-A2-2	15 Mar 2005
	9-A2-3	15 Mar 2005
1, 2, 3, 4A, 4B	9-A2-4	15 Mar 2005
5, 6	9-A2-5	15 Mar 2005
7	9-A2-5	15 Mar 2005
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1. GENERAL

This Supplement supplies the information necessary for the efficient operation of the airplane when the Intercomm-System Model PM 1000 II PS Engineering Inc. is installed. The information contained within this Supplement is to be used in conjunction with the complete AFM.

This Supplement is a permanent part of this AFM and must remain in this AFM at all times when the Intercomm-System is installed.

2. LIMITATIONS

No change.

3. EMERGENCY PROCEDURES

No change.

4A. NORMAL PROCEDURES

No change.

4B. ABNORMAL PROCEDURES

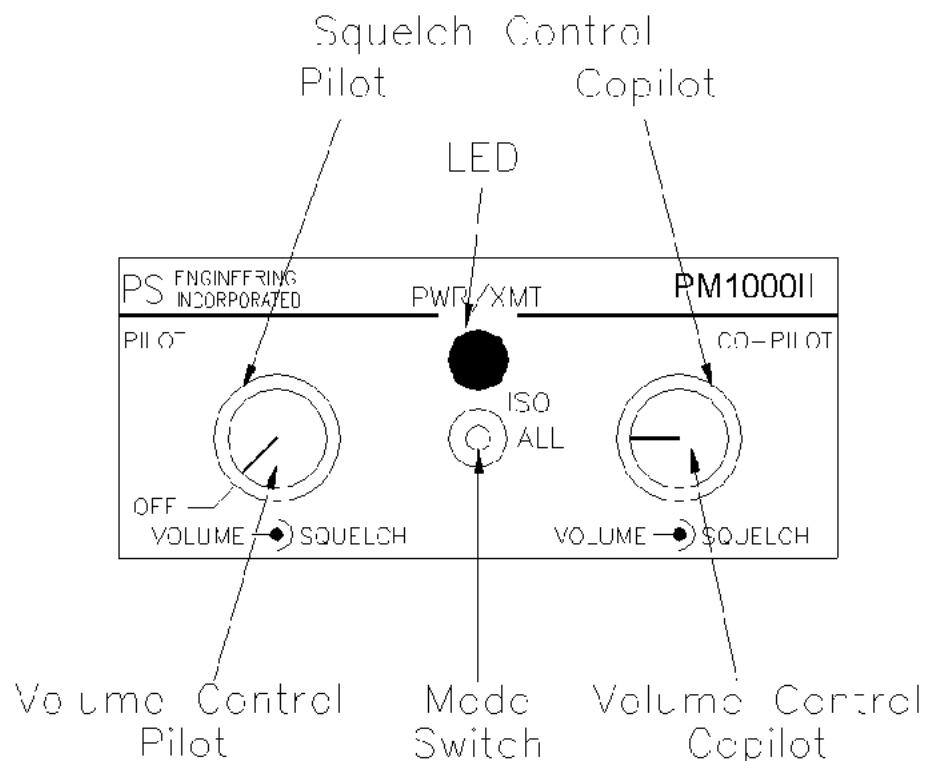No change.

5. PERFORMANCE

No change.

6. MASS AND BALANCE

Upon removal or installation of the Intercomm-System PM 1000II the change of empty mass and corresponding center of gravity of the airplane must be recorded according to Chapter 6 of the Airplane Flight Manual.

7. DESCRIPTION OF THE AIRPLANE AND ITS SYSTEMS

FRONT VIEW

DESCRIPTION

The Intercomm-System provides communication between pilot, copilot and passengers when they are using head-sets. Pilot and copilot can adjust volume and squelch of their head-sets individually, the copilot adjusts volume and squelch of the passenger's head-sets.

OPERATION

TURN ON THE INTERCOM SYSTEM

Position the Battery/Main Switch (BAT) and Avionics Master Switch to ON. Rotating the pilot's volume control knob clockwise from the OFF position will turn on the Intercomm-System. The LED shows green when the power is on and red during radio transmissions.

ADJUSTING THE VOLUME

The pilot's volume control knob adjusts the loudness of the intercomm for the pilot's head-set only. It has no effect on aircraft radio volume. The copilot's volume control knob adjusts the volume for the copilot.

SQUELCH

The squelch control can be set individually for pilot and copilot. The squelch control for the passengers is controlled by the copilot's squelch control knob.

ADJUSTING THE SQUELCH

With the engine running, set the squelch control knob by slowly rotating the squelch control knob clockwise until no background noises are heard in the headsets. When the microphone is positioned properly near the lips, normal speech levels should open the channel.

MODE SELECT

The center switch allows the pilot to choose between two configurations:

1. „ISO": The pilot is isolated from the intercomm and is connected only to the airplane´s radio. Passengers can talk to each other without distracting the pilot. The passengers will not hear airplane radio traffic.

2. „ALL": All parties will hear the airplane radio and can talk to each other on the intercomm.

FLIGHT OPERATION

With the intercomm turned on, transmitting of the airplane radio will be activated as usual by pushing the transmit button on the stick. Both pilot and copilot have transmits capabilities over the radio. The Intercomm-System allows only the person who presses their PTT-button (Push To Talk) to be heard over the airplane´s radio. If both pilot and copilot press the PTT at the same time, the copilot will override (ideally suited for training environments). The pilot regains priority by switching the unit off.

CIRCUIT PROTECTION

A 3 ampère circuit breaker integrated into the instrument panel (Audio) protects the electrical system from overload in case of a short circuit in the intercomm.

8. AIRPLANE HANDLING, CARE AND MAINTENANCE

No change.