

**SUPPLEMENT A03**  
**TO THE AIRPLANE FLIGHT MANUAL**

**DA 40 NG**

**Intercom System PM 1000 II**

**PS ENGINEERING INC**

**Doc. No. : 6.01.15-E**  
**Date of Issue : 09-May-2017**  
**Design Change Advisory : MÄM 40-618 & OÄM 40-321**

The technical information contained in this document has been approved under the authority of DOA No. EASA.21J.052.

## 0.2 RECORD OF REVISIONS

Rev. No.	Reason	Chapter	Page(s)	Date of Revision	Approval Note	Date of Approval	Date Inserted	Signature

### 0.3 LIST OF EFFECTIVE PAGES

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0	9-A03-1	09 May 2017
	9-A03-2	09 May 2017
	9-A03-3	09 May 2017
	9-A03-4	09 May 2017
1	9-A03-5	09 May 2017
2	EASA approved 9-A03-6	09 May 2017
3, 4A, 4B, 5, 6	9-A03-7	09 May 2017
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## **1. GENERAL**

This Supplement supplies the information necessary for the efficient operation of the airplane when the Intercom System 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 Intercom System PM 1000 II is installed.

## 2. LIMITATIONS

No change.

### **3. EMERGENCY PROCEDURES**

No change.

### **4A. NORMAL OPERATING PROCEDURES**

No change.

### **4B. ABNORMAL OPERATING PROCEDURES**

No change.

### **5. PERFORMANCE**

No change.

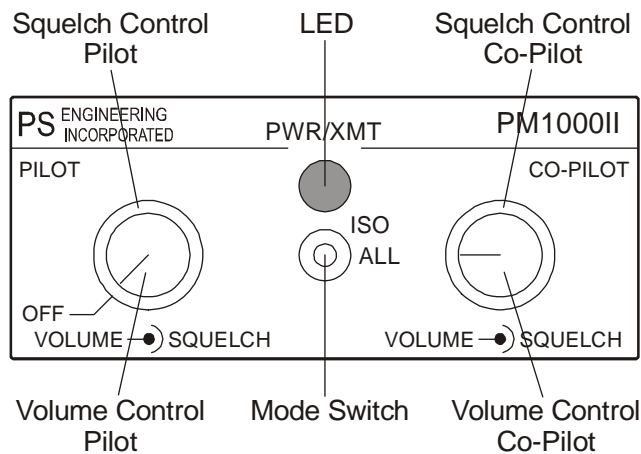
### **6. MASS AND BALANCE**

Upon removal or installation of the Intercom System PM 1000 II 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

### 7.14 INTERCOM SYSTEM PM 1000 II

#### FRONT VIEW



#### DESCRIPTION

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



## OPERATION

### TURN ON THE INTERCOM SYSTEM

Position the ELECTRIC MASTER switch and AVIONICS MASTER switch to ON. Rotating the pilot's volume control knob clockwise from the OFF position will turn on the intercom 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 intercom for the pilot's head-set only. It has no effect on airplane radio volume. The co-pilot's volume control knob adjusts the volume for the co-pilot.

### SQUELCH

The squelch control can be set individually for pilot and co-pilot. The squelch control for the passengers is controlled by the co-pilot'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:

- ISO: The pilot is isolated from the intercom 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.
- ALL: All parties will hear the airplane radio and can talk to each other on the intercom.

### **FLIGHT OPERATION**

With the intercom turned on, transmitting of the airplane radio will be activated as usual by pushing the transmit button on the stick. Both pilot and co-pilot have transmits capabilities over the radio. The intercom 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 co-pilot press the PTT at the same time, the co-pilot will override (ideally suited for training environments). The pilot regains priority by switching the unit off.

### **CIRCUIT PROTECTION**

A 1 Ampère circuit breaker integrated into the instrument panel (Audio) protects the electrical system from overload in case of a short circuit in the intercom.

## **8. AIRPLANE HANDLING, CARE AND MAINTENANCE**

No change.