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TRANSMITTAL LETTER

The original issue dated OCT 10/25 of Service Bulletin 1540F-35-001 is attached and covers all components held by every operator.

ASSISTANCE INFORMATION

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Website: www.safran-aerosystems.com**SERVICE BULLETIN****TITLE: REMINDER OF THE PROPER STEPS FOR DONNING THE PORTABLE BREATHING EQUIPMENT (PBE) P/N 15-40F-11 AND P/N 15-40F-80****ATA SYSTEM: 35****1. [PLANNING INFORMATION](#)****A. Effectivity**

- (1) Equipment involved

This Service Bulletin (SB) applies to the Portable Breathing Equipment Part Number (PNR) **15-40F-11** and **15-40F-80**.

B. Concurrent Requirements

None

C. Reason

This Service Bulletin is issued to remind the Customer of the principle of operation and the proper steps for donning the Portable Breathing Equipment.

This is an advanced notice of the Portable Breathing Equipment user manual clarifications. Recent events occurred in-service where the crew found it difficult to use the PBE.

PNR 15-40F-11 and PNR 15-40F-80 differ only by the carrying case, the Portable Breathing Equipment is similar.

If the Customer does not follow these proper steps, the operation of the Portable Breathing Equipment may be affected.

D. Description

- (1) Reason for use of a Portable Breathing Equipment (PBE)

This Portable Breathing Equipment is designed to protect the user's eyes and respiratory tract in a contaminated atmosphere.

This PBE provides the ability to locate and combat a fire within the cabin limited to 15 minutes, as per TSO-C116 requirements.

(2) Main features of the PBE

The PBE is a closed-circuit system, delivering pressurized oxygen at a defined flow rate independent from the user. The gas is automatically released during donning. It was designed so that it can be put on quickly (less than 15 seconds for a trained person) using a very simple operating method. Its design allows movement of the head while keeping a very good visibility.

The hood is packed under vacuum in an aluminium cover, airtight and resistant, fitted with a quick opening system of red colour. Thus packed, it is slipped into its stowage container. It is installed in a fixed position.

The life limit of the PBE is 10 years. This total duration includes the shop storage time and service time on-board the aircraft. This life limit is guaranteed if the latch of inviolability is not broken and the sealed aluminium cover remains under vacuum, therefore ensuring that the CO₂ absorption system will function correctly.

(3) Principles of operation

The composition of the Portable Breathing Equipment is shown in Figure 1.

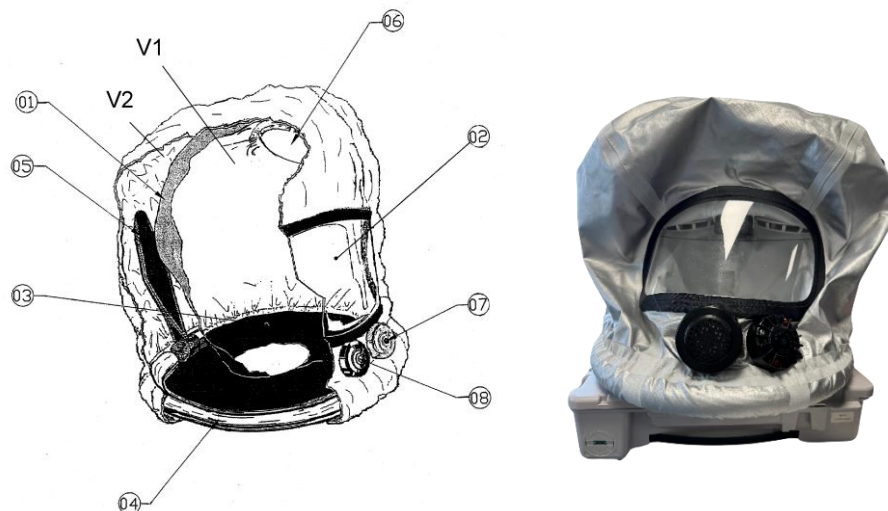


Figure 1

It has:

- A flexible sealed envelope with two compartments (1)
- a visor (2)
- a sealing collar at the level of the neck (3)
- a compressed oxygen container (4)

- a triggering paddle system (5)
- a CO₂ absorption system (6)
- a safety pressure valve (7)
- a phonic membrane (8)

The oxygen is contained in a doughnut shaped cylinder, allowing the passage of the head, providing stability to the hood on the head of the user.

The oxygen is delivered when the triggering paddle is activated through the installation of the hood on the head. The triggering paddle is pushed by the head, releasing the flow of oxygen.

E. Compliance

MANDATORY

This Service Bulletin provides updated instructions to don the Portable Breathing Equipment, which must be used after receipt of this Service Bulletin.

Safran Aerosystems recommends operators to dispatch the recommendations listed in this Service Bulletin and then to update their procedures and training programs.

F. Approval

The technical content of this document is approved under the authority of the AP-DOA: EASA.AP.409.

G. Manpower

Not applicable

H. Weight and Balance

None

I. Electrical Load Data

Not Changed

J. Software Accomplishment Summary

Not applicable

K. References

- (1) Safety Information Bulletin EASA SIB 2025-04 Issue 1 dated 28/05/2025
- (2) Component Maintenance Manual (CMM) 35-30-02
- (3) B2007-NT-66 (3) Technical user manual
- (4) B2007-NT-22 (3) Technical user manual French and English
- (5) Flyer W1005619 E Rev J (Abbreviated CMM 35-30-02)
- (6) Flyer W40604 Rev 3 English and French (Abbreviated CMM 35-30-02)

L. Publications Affected

Component Maintenance Manual (CMM) 35-30-02 Rev.2 dated 03/2024

Technical User Manuals B2007-NT-66 (3) and B2007-NT-22 (3) will be updated to clarify conformance to the recommendations of EASA SIB 2025-04 Issue 1 dated 28/05/2025.

M. Interchangeability

Not applicable

2. MATERIAL INFORMATION**A. Material – Price and Availability**

- (1) Material
Not applicable
- (2) Price
Not applicable
- (3) Availability
Not applicable

B. Industry Support Information**(1) Product Support**

Use the email address that follows to contact Safran for technical aid.
(Refer to tech-support.sao@safrangroup.com)

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- (c) SAFRAN AEROSYSTEMS proposes an event report form under the reference SAO-DEV-2202_Form01 to ease report information.
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(5) Repair Facilities

Use the website address that follows for a list of Safran Aerosystems repair facilities.

www.safran-aerosystems.com

C. List of components

Not applicable

D. Subcomponents to be re-identified

Not applicable

E. Tooling

Not applicable

F. Special Tools

None

3. ACCOMPLISHMENT INSTRUCTIONS**A. General**

The steps for donning the Portable Breathing Equipment are shown in the pictogram:

- On the lid of the packing box of the Portable Breathing Equipment
- In the flyer W1005619 (Abbreviated CMM 35-30-02) for PBE PNR 15-40F-80
- In the flyer W40604 (Abbreviated CMM 35-30-02) for PBE PNR 15-40F-11

Paragraph 3.C provides the procedure that must be followed any time the Portable Breathing Equipment has to be used.

B. Preparation

Not Applicable

C. Procedure

PNR 15-40F-11 and PNR 15-40F-80 differ only by the carrying case, the Portable Breathing Equipment is similar. The steps for both PBE are different only for the box opening.

WARNING: AS THE NON ACTIVATION OF THE OXYGEN SYSTEM CAN HAVE ADVERSE EFFECT ON THE USER'S PHYSICAL STATE, YOU MUST RIGOUROUSLY FOLLOW THE INSTRUCTIONS FOR DONNING THE PBE AND APPLY THE STEPS IN THE CORRECT ORDER.

Applicable to PNR 15-40F-11

The steps for taking the Portable Breathing Equipment out of the box are shown in the pictogram (refer to Figure 2).

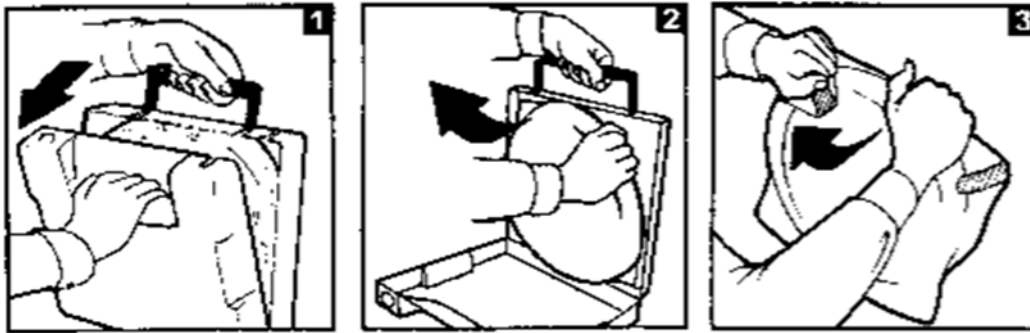


Figure 2

- (1) Hold the box handle marked 1 in one hand and with the other hand firmly pull the grey part of the lid marked 2 "PULL": the stick breaks, the lid opens.
- (2) Hold the vacuum-packed hood in one hand and hold in position by the two yellow squares then take it out of the packing box by pulling it towards you.
- (3) Discard the box and hold the hood by the red tear tabs with one hand.

Applicable to PNR 15-40F-80

The steps for taking the Portable Breathing Equipment out of the box are shown in the pictogram (refer to Figure 3).

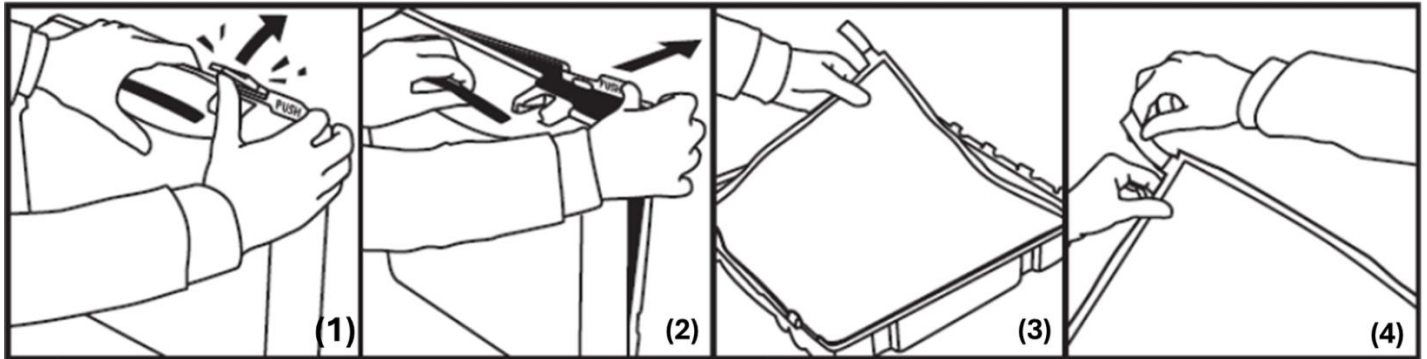


Figure 3

- (1) Hold the case in one hand and with the other lift the part of the green security latch marked "SEAL" to break it.
- (2) Push sharply on the part of the cover marked "PUSH" to open the cover.
- (3) Hold the vacuum-packed hood in one hand (held in position by the two yellow clips) and take it out of the packing box by pulling it.
- (4) Discard the box and take hold of the red tear tab with one hand, holding the pouch with the other hand.

Applicable to both PNR 15-40F-11 and PNR 15-40F-80

The steps for donning the Portable Breathing Equipment are shown in the pictogram (refer to Figure 4).

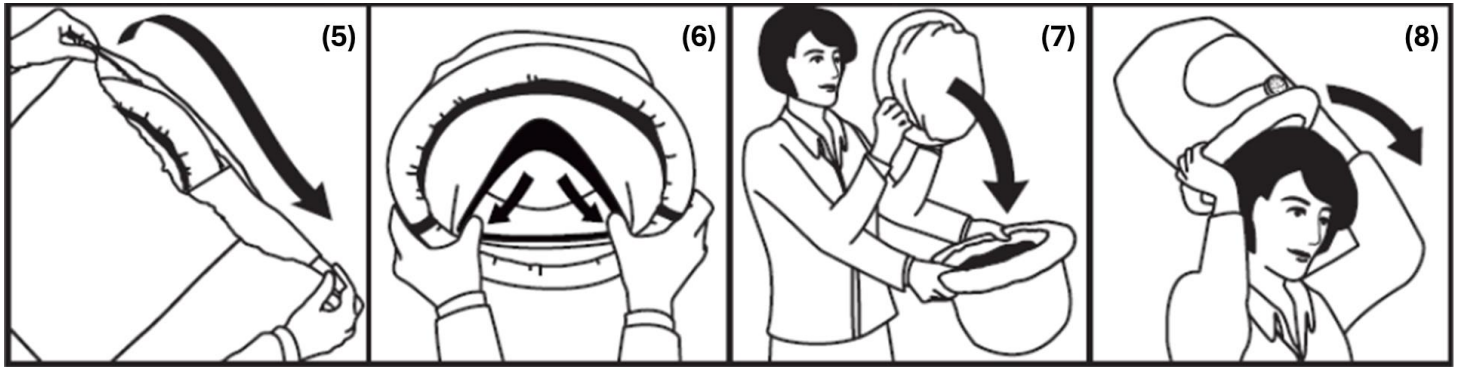


Figure 4

- (5) Pull on the red tear tab, the cover tears easily. Take out the hood pulling on the compressed oxygen container (refer to Figure 5a, 5b, 5c and 5d).

WARNING: PULL THE HOOD WITH THE CYLINDER. DO NOT INSERT THE HAND IN THE PACKAGING TO PULL THE HOOD BY THE FABRIC OR THE SEALING COLLAR. THIS CAN DAMAGE THE OXYGEN ACTIVATION SYSTEM AND AFFECT ITS OPERATION.



Figure 5a

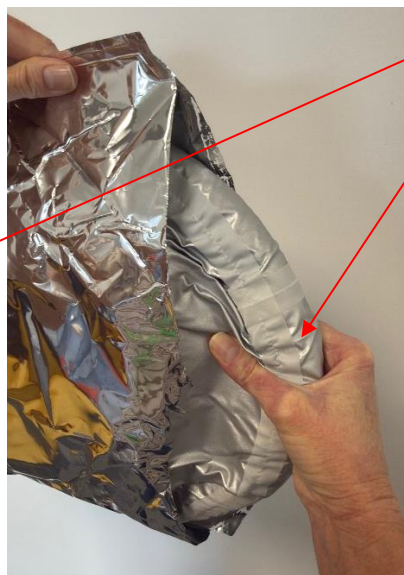
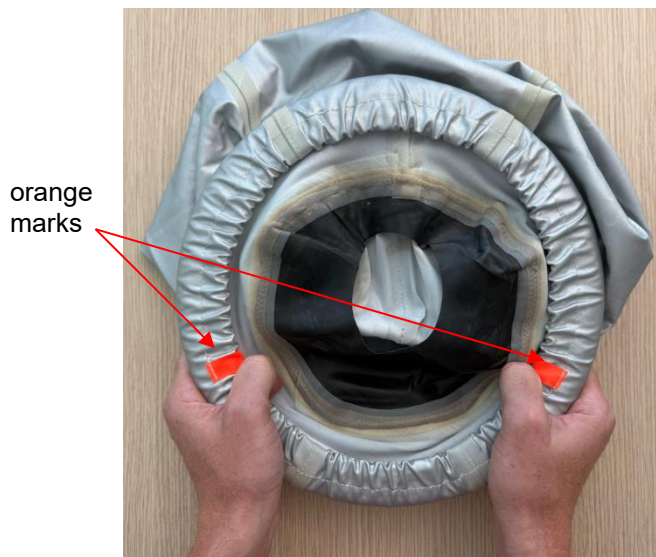


Figure 5b

Compressed
oxygen cylinder

**Figure 5c****Figure 5d**

- (6) With the orange marks visible and towards you, place your hands on the orange marks (refer to Figure 6a) and, using your thumbs, open the black neck seal at the base of the hood (refer to Figure 6b).

**Figure 6a****Figure 6b**

WARNING: YOU MUST ONLY GRAB THE BLACK NECK SEAL (FIGURE 7a) AND NOT INTERNAL COMPONENTS (FIGURE 7b) OR THE WHITE FABRIC (FIGURE 7c). IF YOU GRAB THE WHITE FABRIC OR THE INTERNAL COMPONENTS, YOU CAN DAMAGE THE ACTIVATION OF THE OXYGEN SYSTEM. A DAMAGED SYSTEM CAN CAUSE INJURY TO PERSONS.

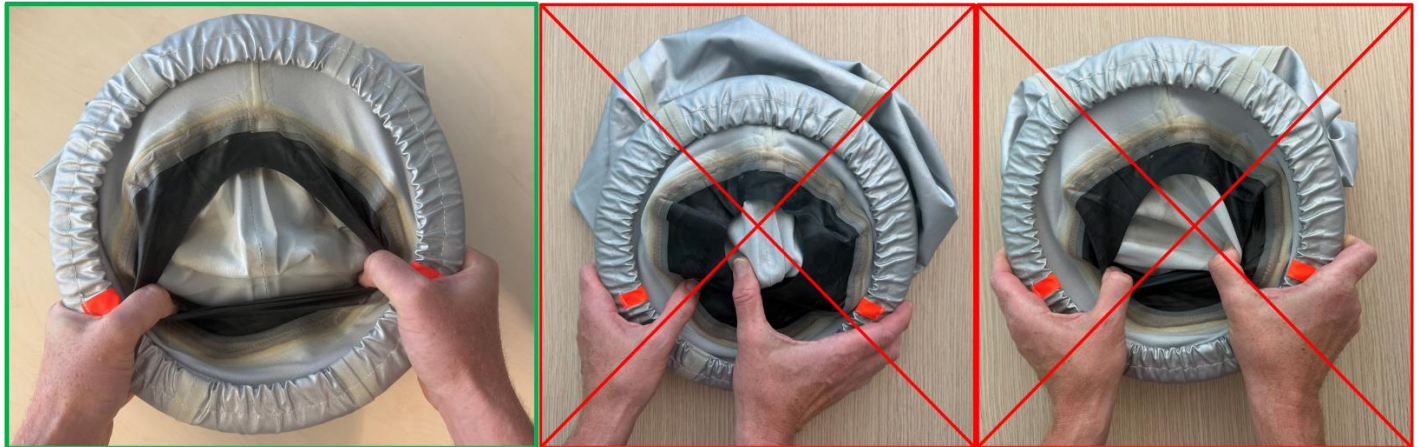


Figure 7a

Figure 7b

Figure 7c

- (7) Holding the oxygen container tightly with both hands with the black neck seal open, flick the hood down in a sharp movement to deploy it (steps detailed in Figure 8).



Figure 8

- (8) Put the hood over your head, from back to front. After donning the hood, you will hear a slight click caused by the activation of the oxygen system. You will then hear a noise caused by the oxygen flow in the PBE. Breathe normally, the hood is now operational. You will feel the hood act as a lung, inflating and deflating when you breathe (refer to Figure 9).

It is recommended to start a clock for the 15min operating time.



Figure 9

WARNING: WHEN DONNING THE PBE OR DURING ITS FIRST SECONDS OF USE, IF YOU DO NOT HEAR THE NOISE PRODUCED BY THE OXYGEN FLOW, YOU MUST IMMEDIATELY REMOVE THE PBE AND EQUIP WITH ANOTHER PBE.

(9) Remove the hood from your head after 15 minutes.

WARNING: YOU SHALL REMOVE THE PBE AFTER 15 MINUTES. THE OPERATIONAL PERFORMANCE IS NOT GUARANTEED AFTER THIS DURATION. NOT REMOVING THE PBE AFTER 15 MINUTES WILL CAUSE DETRIMENTAL EFFECT ON THE USER'S PHYSICAL STATE.

- D. Re-identification of equipment
Not applicable
- E. Test
Not applicable
- F. Close-Up
Not applicable

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