



EBA 6.5

ESCAPE BREATHING APPARATUS

Instruction Booklet

P/N 300024 Rev. B



OCENCO EBA 6.5
ESCAPE BREATHING APPARATUS

DONNING PROCEDURE

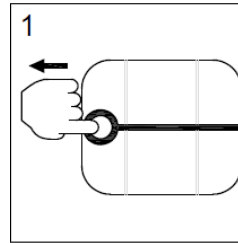
The following are the donning steps for the EBA 6.5. **Warning:** These steps must be practiced numerous times until they become second nature.

**INSTRUCTION
BOOKLET**

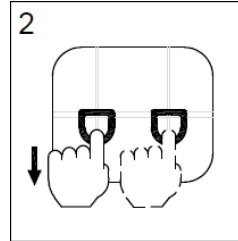
P/N 300024, DWG A14861, Rev. B, ECN 4226

The Ocenco EBA 6.5 self-contained, closed circuit, compressed oxygen, breathing apparatus. The EBA 6.5 instantly provides breathable air, independent of the surrounding atmosphere, to a person escaping from any area of toxic gas or oxygen deficiency. The EBA 6.5 has a rated duration of 90 minutes in accordance with AS/NZS 1716:2012.

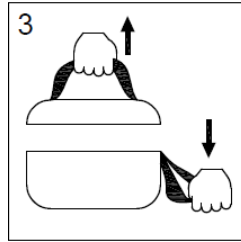
1. Pull latch release rod.



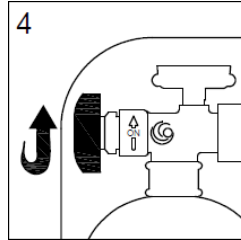
2. Lift and pull each latch ring to release bands.



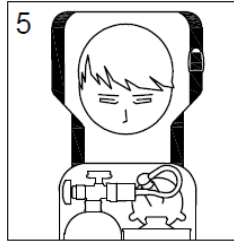
3. Remove cover from base by grabbing the handle straps and pulling the case apart. Discard cover.



4. Open oxygen valve fully counterclockwise, in direction of arrow.

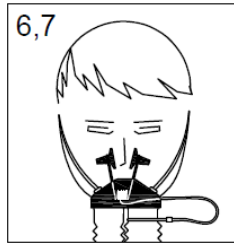


5. Place neck strap overhead.

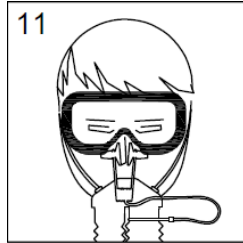


6. Pull mouthpiece toward face. The mouthpiece plug will automatically be removed from the mouthpiece. Insert mouthpiece in mouth and breathe through mouth only. Use head strap for additional support of mouthpiece if required.

7. Apply nose clips to nose. DO NOT attempt to inhale or exhale through your nose.



8. Purge bag with oxygen to eliminate nitrogen: exhale, hold breath and deflate bag by pressing on the bag. Inhale deeply through the mouthpiece, then breathe normally (oxygen will be supplied from the demand regulator).
9. Adjust neck strap for comfort.
10. Wrap waist harness around waist, clip and adjust for fit by pulling on strap end.
11. Place goggles over eyes to prevent irritation from smoke or other irritants. Adjust the head strap as needed.



12. ESCAPE

SERVICE LIFE

The EBA 6.5 as a whole is designed for a service life of fifteen years if properly inspected and if the conditions of use are observed.

A Mandatory Factory Service action shall occur ten years from the date of manufacture or factory service if the units have been stored, not worn and not carried, and five years from the date of manufacture or factory service if the units have been worn or carried. The end of service life for the EBA 6.5 is fifteen years from the date of manufacture regardless of the deployment method.

The Conditions of Use for the EBA 6.5 are:

- A. Inspections as defined in this manual performed daily if carried or every 90 days if stored.
- B. Caring for the EBA 6.5 as defined in this manual.
- C. Acceptable storage container: the EBA 6.5 should be stored in a fully enclosed container. The interior of the container should be lined with foam rubber or other shock absorbing material. The fit between the EBA 6.5 and the foam should be snug to prevent motion but still allow easy removal.

HOW TO INSPECT THE EBA 6.5

EBA 6.5 inspections are visual. DO NOT open the clear case to inspect the EBA 6.5. If worn or

carried, visual inspection should be conducted at the beginning of each work shift. Remove the unit from service if any of the following conditions are evident:

1. View through clear case obstructed by scuff marks, stickers, etc.
2. Gauge pressure below 2500 psi or above 3200 psi at 21°C.
3. No factory installed latch seals attached.
4. "U" seal open or rolled.
5. Case cracked, burned, or deformed.
6. Mouthpiece plug (yellow rubber) not in place.
7. Loose Parts.
 - Bottle strap (stainless steel)
 - Scrubber canister not in mounts
 - Screws or inserts
 - On/Off valve positioned toward base
8. Bottle pad (red rubber) cut or displaced.
9. Pressure gauge bent or indicator needle broken.
10. Scrubber mounts bent.
11. Scrubber canister dented.
12. Dirt, debris, or moisture in case.
13. Handle loops broken (the plastic loops that hold the straps).
14. One or both of the two handle straps (black

nylon straps) missing or broken.

15. Inspect the factory service date label on the base and remove unit if past the mandatory factory service date.

HOW TO CARE FOR THE EBA 6.5

The EBA 6.5 is designed to be carried or stored in a confined space environment. However, like all escape breathing devices it is not indestructible.

Abusing your EBA 6.5 is risking your life in the event of an emergency.

Your life may depend on the care you give your EBA 6.5. Avoid the most common abuses:

1. If the EBA 6.5 is accidentally opened, DO NOT close it, remove it from service.
2. DO NOT drop the EBA 6.5.
3. DO NOT clean the EBA 6.5 with anything other than a soft brush. Disinfection is not required.
4. DO NOT immerse the EBA 6.5 in water.
5. DO NOT sit on the EBA 6.5.
6. DO NOT drag the EBA 6.5 on the ground.
7. DO NOT place the EBA 6.5 near heat greater than 70°C.
8. DO NOT put tape or stickers on the EBA 6.5 that would impede its opening or the reading of the gauge.

WHEN TO USE THE EBA 6.5

The EBA 6.5 should be used immediately at the first indication of fire or explosion, even if smoke is not visible. Carbon monoxide is odorless and colorless. You could breathe a fatal amount of carbon monoxide before smoke is present. If you suspect an oxygen deficient atmosphere, put on the EBA 6.5, don't wait!

Some of the possible indications of an emergency are:

1. Sight of smoke
2. Smell of smoke
3. Sight of fire
4. Fire or toxic gas alarm
5. Sudden increase of air temperature
6. Sound of explosion
7. Vibrations of an explosion
8. Interruption of air flow
9. Someone around you has difficulty breathing or passes out

In the event of an emergency, always don your EBA 6.5 before attempting to escape or help others.

ADDITIONAL USER INSTRUCTIONS

WARNING.

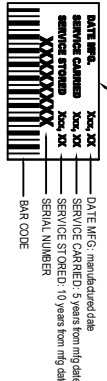
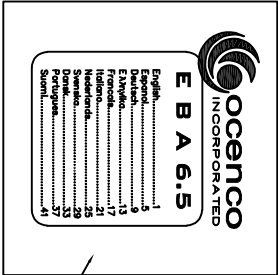
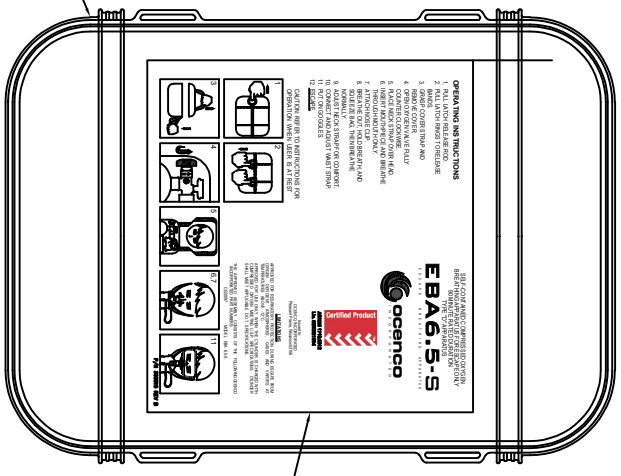
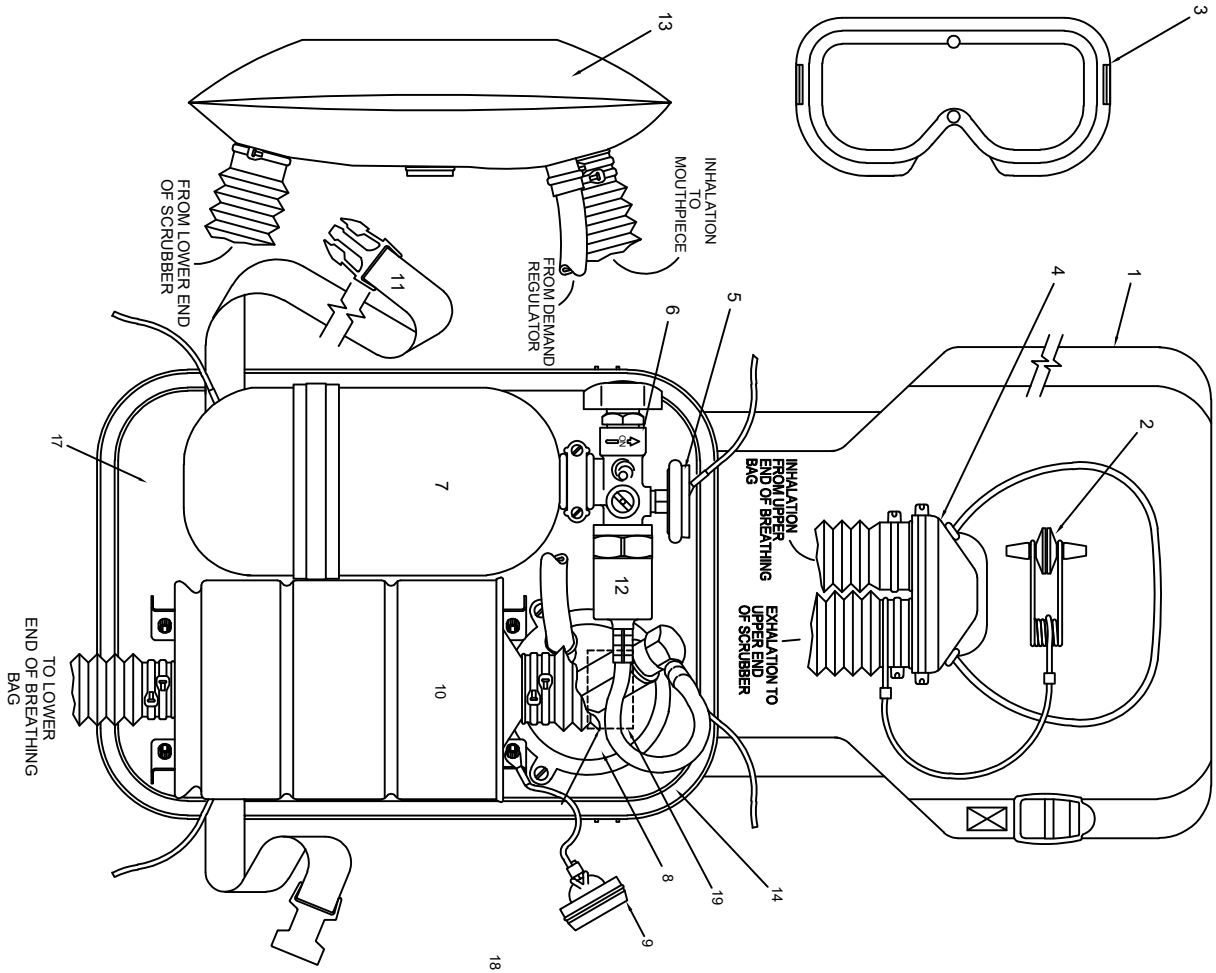
1. Failure to properly use and maintain this product could result in injury or death.
2. Never substitute, modify, add or omit parts.
3. Approved for use at temperatures above -12°C.
4. The maximum recorded surface temperature of the EBA 6.5 during use is 95°C.
5. The minimum purity of the oxygen supply is 99.5%. Water vapor is less than 50 mg/m³ at 1 bar.

DISPOSAL

Disposal is necessary after the EBA 6.5 has been used or has exceeded the service life. The preferred disposal method is to return out-of-service devices to Ocenco or an authorized Distributor for recycling. Alternatively, the users can dispose of the EBA 6.5 themselves, following the relevant national guidelines for professional disposal.

Ocenco Incorporated
10225 82nd Avenue
Pleasant Prairie, Wisconsin 53158-5801
USA
Phone: 262-947-9000
Fax: 262-947-9020
www.ocenco.com

GOOGLES TO PACKED ON TOP OF CYLINDER AND SECURED TO VALVE WITH GOOGLE STRAP WHEN PACKED



ITEM NO.	DRAWING NO. / WORK INSTRUCTION (WI)	DESCRIPTION
1	C15057	EBA 6.5 NECK HARNESS
2	B15054	EBA 6.5 NOSE CLIP ASSEMBLY
3	C15058	EBA 6.5 GOOGLES
4	C15061	EBA 6.5 MOUTHPIECE
5	B15055	EBA 6.5 GAUGE
6	A15065	EBA 6.5 ON/OFF VALVE BODY
7	C15059	EBA 6.5 CYLINDER
8	C15062	EBA 6.5 DEMAND REGULATOR ASSEMBLY
9	B15053	EBA 6.5 MOUTHPIECE PLUG
10	C15056	EBA 6.5 SCRUBBER CAN
11	B15052	EBA 6.5 WAIST HARNESS
12	A15051	EBA 6.5 FIRST STAGE REGULATOR CAP
13	C15060	EBA 6.5 BREATHING BAG ASSEMBLY
14	A15050	EBA 6.5 U-SEAL
15	A16706	EBA 6.5 INSTRUCTION BOOKLET
16	C14214	EBA 6.5 INSTRUCTION LABEL - AUSTRALIA
17	D15064	EBA 6.5 BASE
18	D15063	EBA 6.5 COVER
19	WI 0437	EBA 6.5 INFORMATION

MATERIALS WHICH COME INTO DIRECT CONTACT WITH THE WEARER'S SKIN AND THE BREATHABLE GAS ARE NOT KNOWN TO CAUSE IRRITATION OR ANY OTHER ADVERSE EFFECT TO HEALTH.

NOTICE TO PERSONS RECEIVING THIS DRAWING OR SPECIFICATION. OCENCCO INC. CLAIMS PROPRIETARY RIGHTS IN THE MATERIAL DISCLOSED HEREIN. THIS DRAWING OR SPECIFICATION IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY AND MAY NOT BE USED TO MANUFACTURE ANYTHING SHOWN HEREIN WITHOUT WRITTEN PERMISSION FROM OCENCCO INC TO THE USER.

MATERIAL: DIMENSIONS ARE IN INCHES DIMENSIONING AND TOLERANCING PER ANSI Y14.5M.

FINISH:	± 0.02
	± 0.01
	± 0.005
ANGLES	± 0.5°



TITLE: EBA 6.5 MAIN ASSEMBLY AUSTRALIA

DESIGNED BY: ---	DATE: 4/10/24	SHEET 1 OF 1
DRAWN BY: DUB	SCALE: NTS	REVISION
CHECKED BY: AJM	DRAWING No. AU22081	
APPROVED BY: MKR		

DWG	DATE	DESCRIPTION	BY	CHK'D
A	04/10/24	RELEASE PER ENQ. 4207	DUB	MKR