

**← EMBRAER**  
**EMB120 Brasília**  
**OPERATIONS MANUAL**  
**SECTION 6-20**

SYSTEMS DESCRIPTION  
EMERGENCY EQUIPMENT

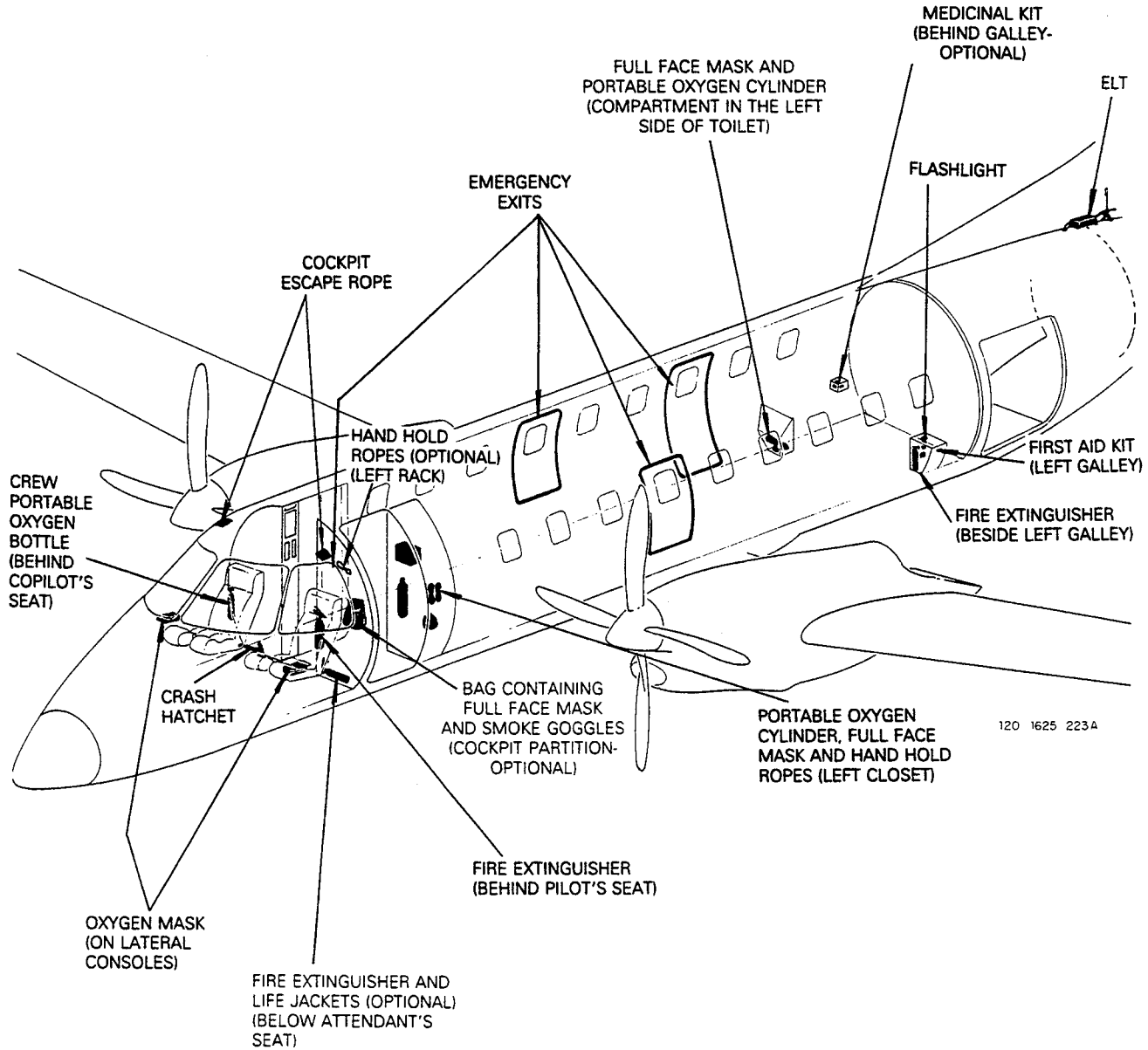
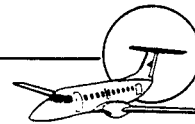
## **EMERGENCY EQUIPMENT**

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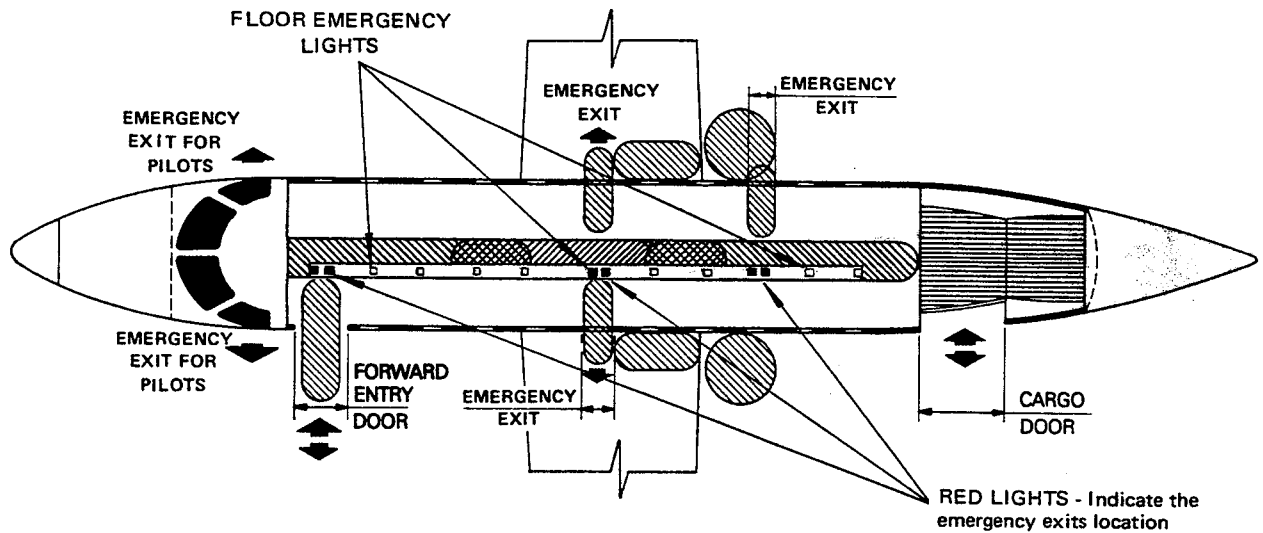
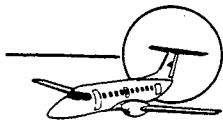
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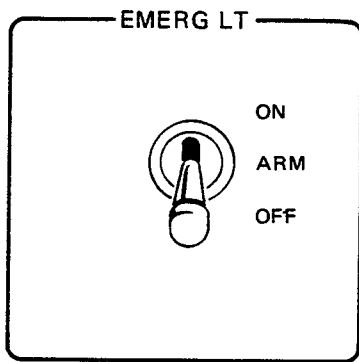


EMERGENCY EQUIPMENT LOCATION  
(TYPICAL)

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**EMERGENCY ILLUMINATED AREAS**



(OVERHEAD PANEL)

**OVERHEAD PANEL EMERGENCY LIGHTING SWITCH**

**ON** - Power is provided to the emergency lights. The emergency lights batteries are not charged by electrical system.

**ARM** - In normal condition, the emergency light batteries are recharged by the emergency DC BUS 1. If power fails to emergency DC BUS 1, all emergency lights will go on automatically.

**NOTE:** For airplanes Post-Mod. SB 120-33-0033 or S/N 120.273 and on, the emergency lights will go on automatically whenever the electrical system changes to the emergency mode of operation.

**OFF** - Switches the emergency lighting system off.

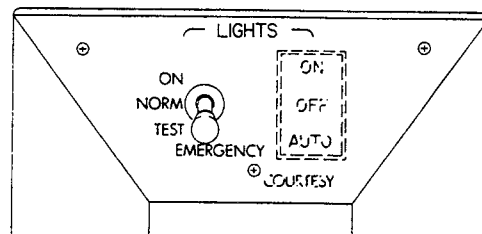
**NOTE:** The batteries can keep the emergency lights on, for a maximum of 17 minutes.

**ATTENDANT'S PANEL EMERGENCY LIGHTING SWITCH**

**ON** - Power is provided to the emergency lights even if the overhead panel emergency lighting switch is selected to OFF.

**NORM** - Normal flight position. Allows the crew to control the emergency light system through the emergency light switch in the overhead panel.

**TEST** - Momentary position. To check the system for correct operation, overhead panel emergency lighting switch must be in the ARM position.

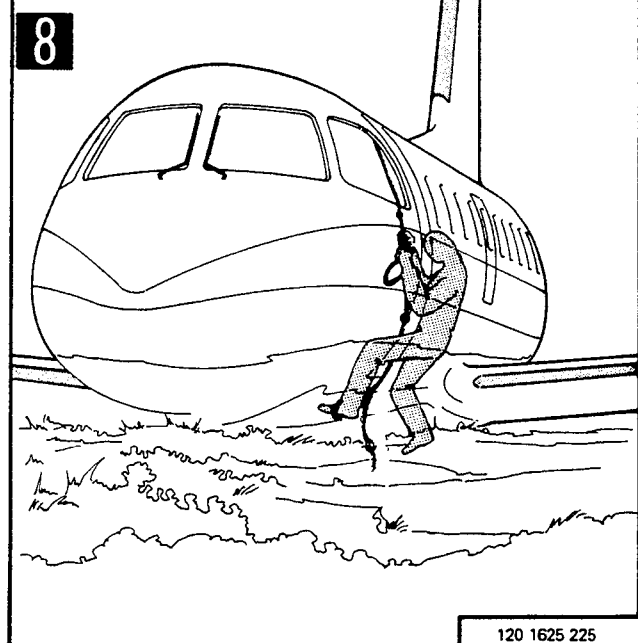
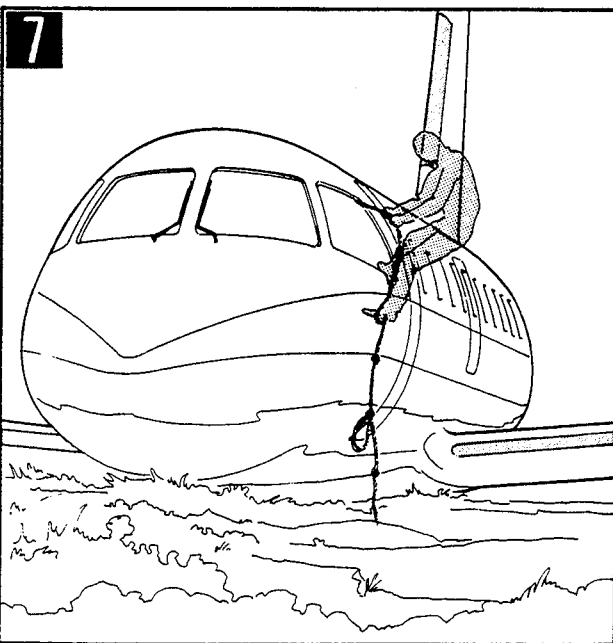
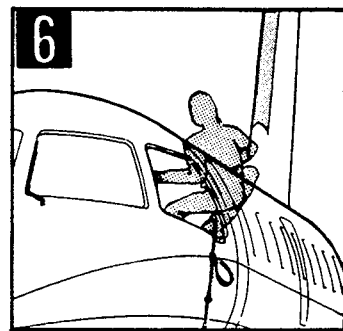
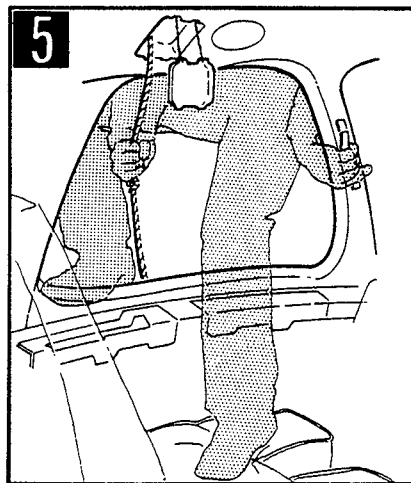
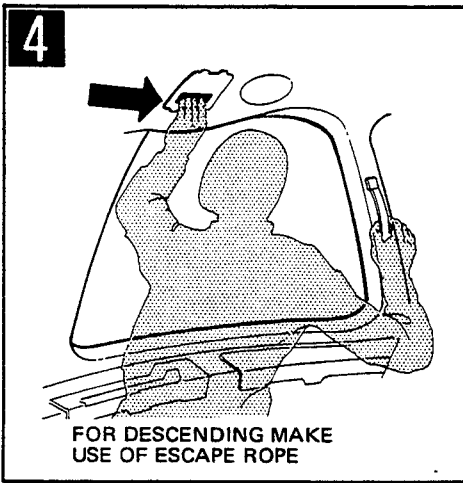
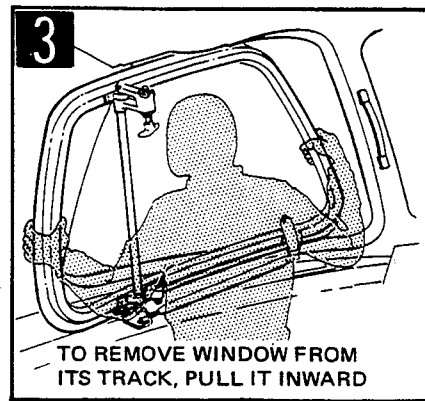
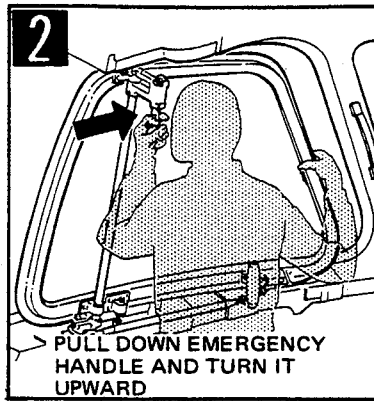
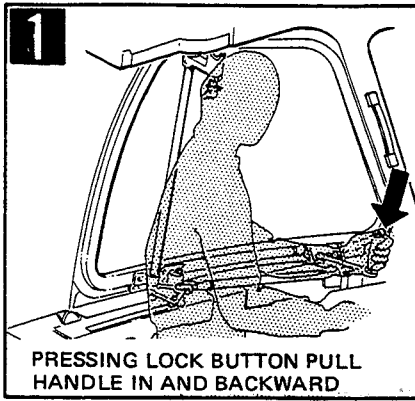
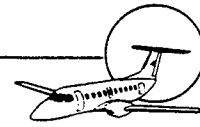


(ATTENDANT'S PANEL)

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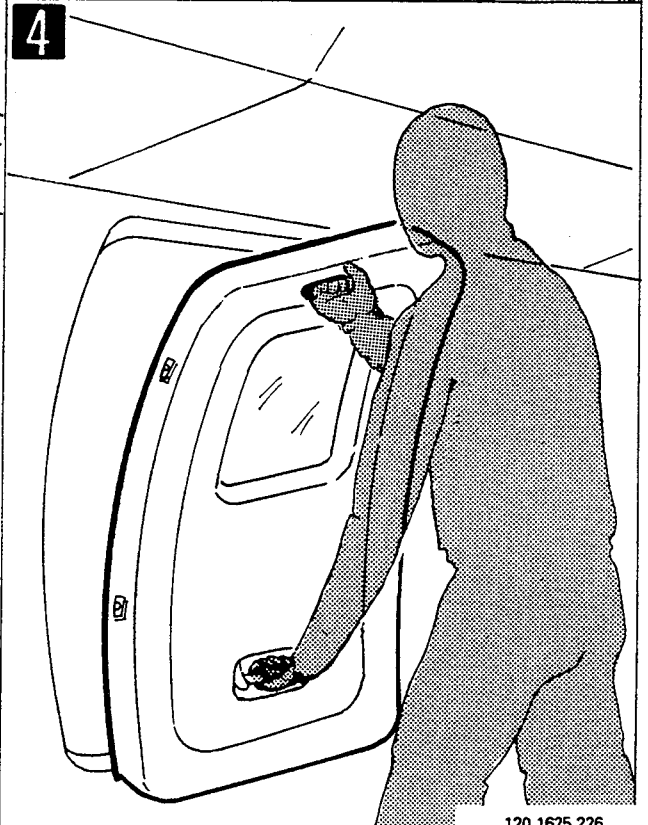
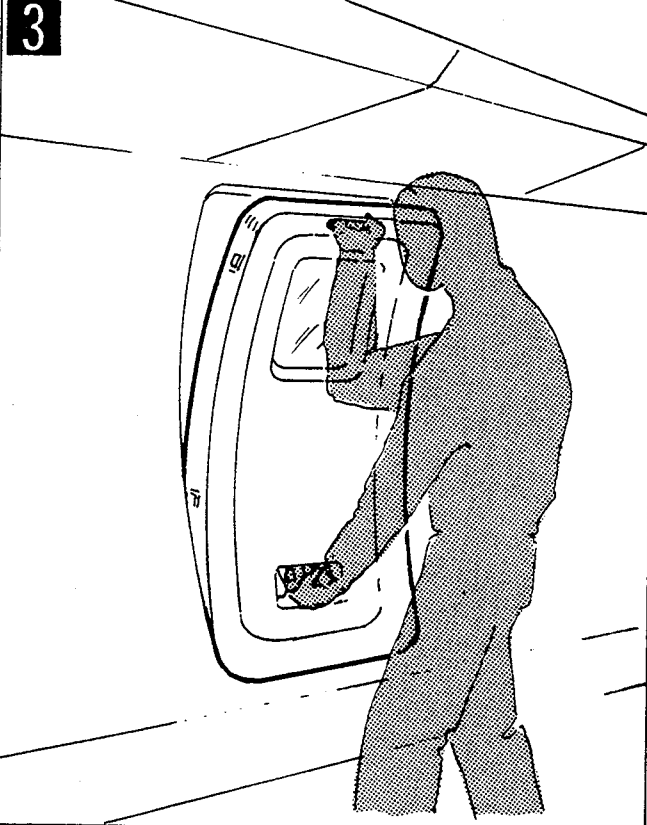
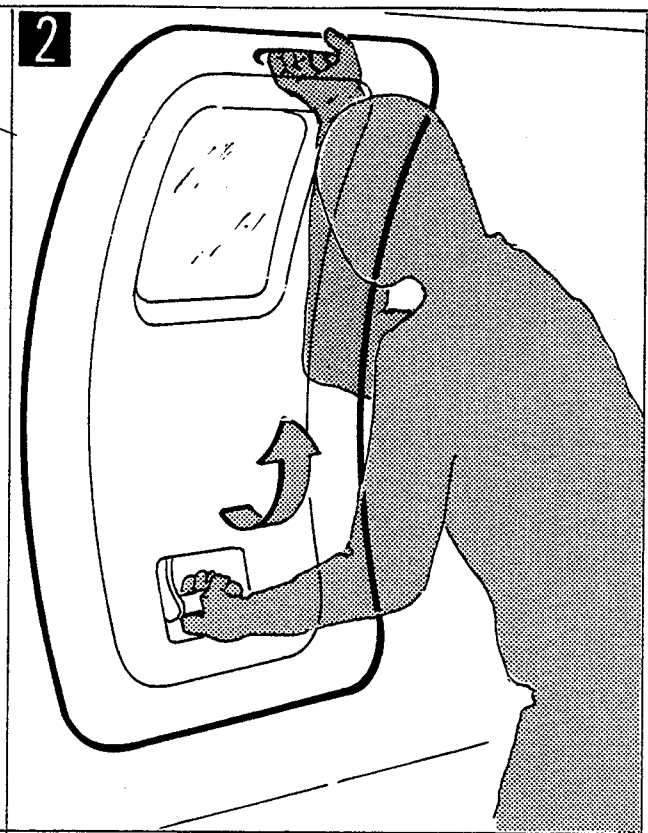
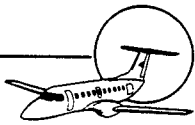
**EMERGENCY LIGHTING SYSTEM**



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COCKPIT EVACUATION

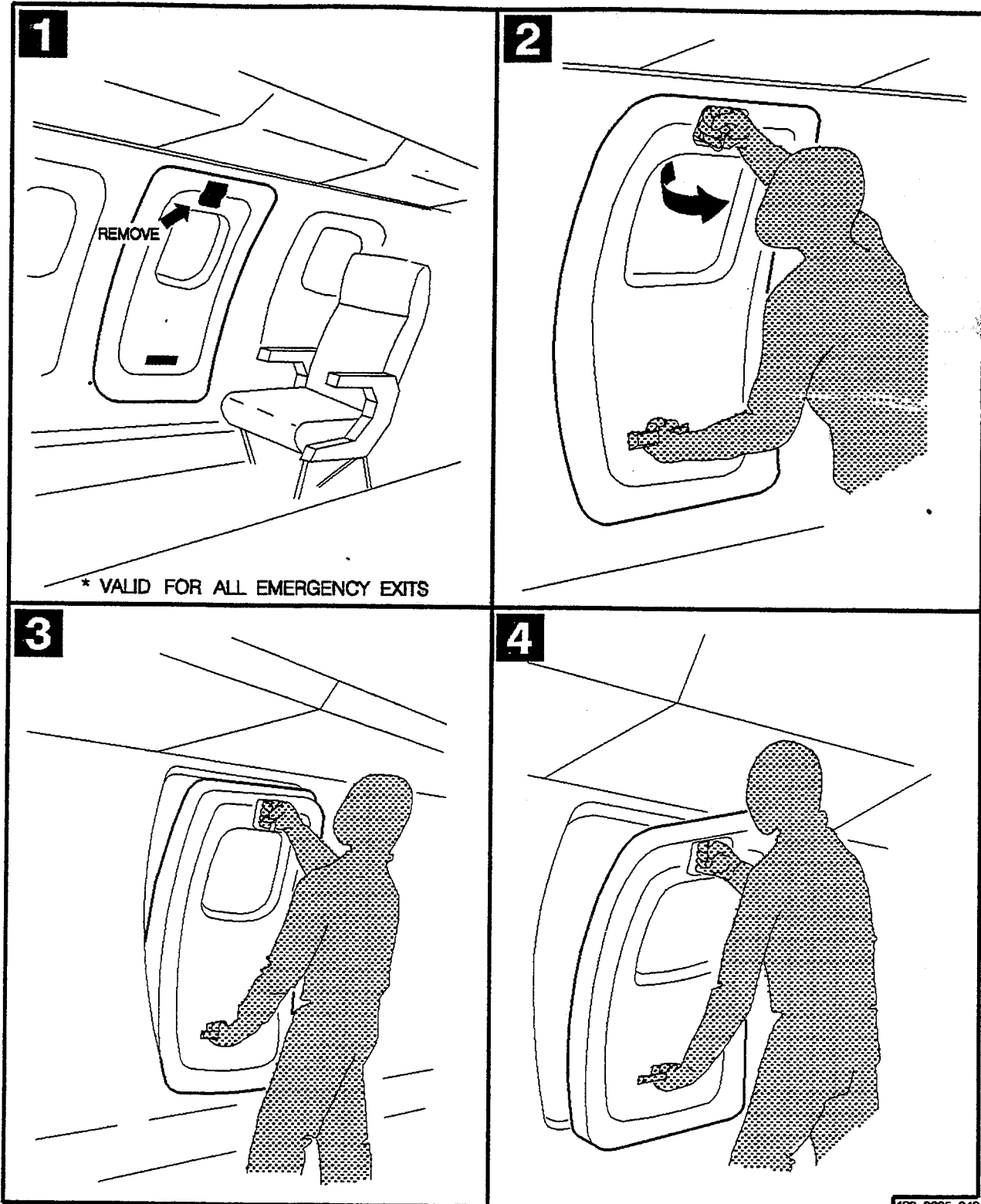
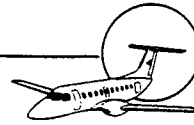
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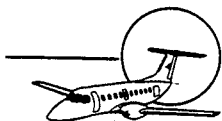
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EMERGENCY EXIT HATCHES OPERATION  
(EXCEPT ON EMB-120 ADVANCED VERSION)



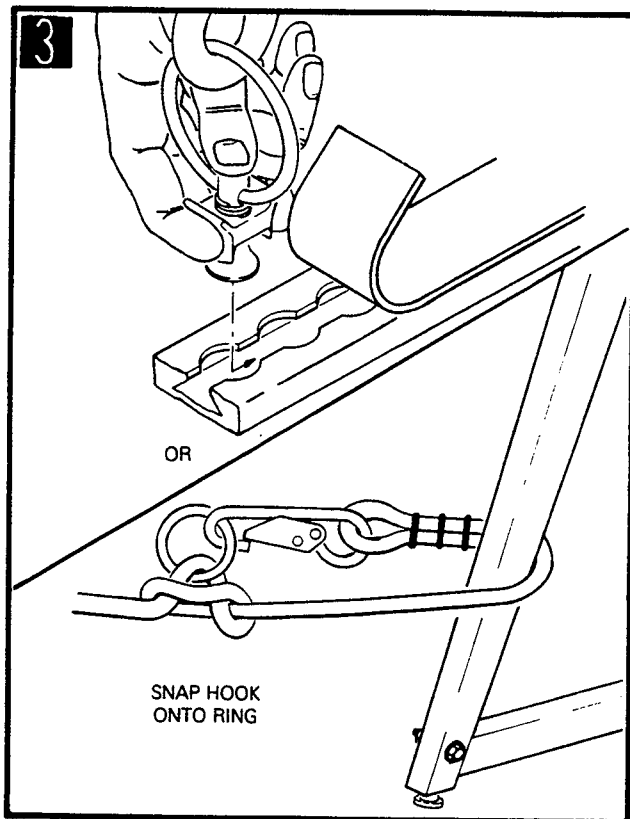
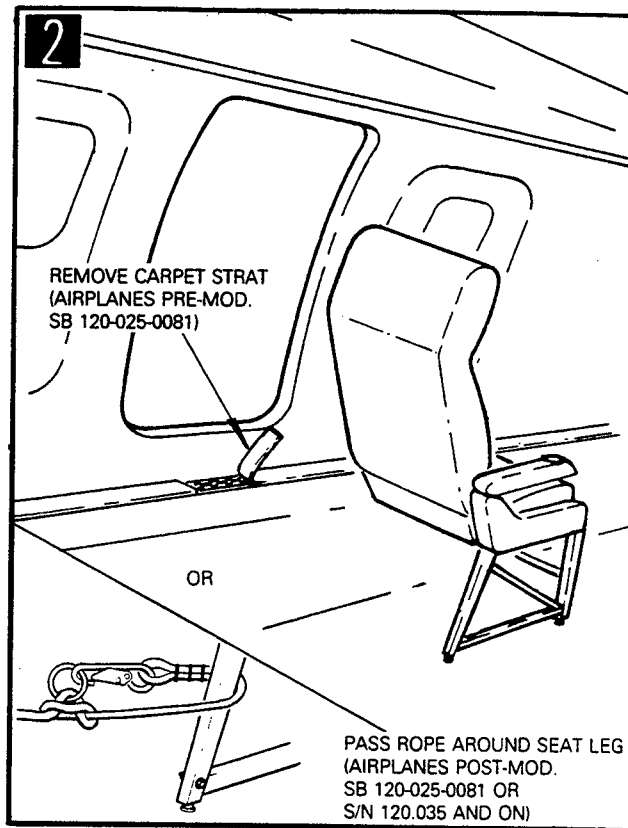
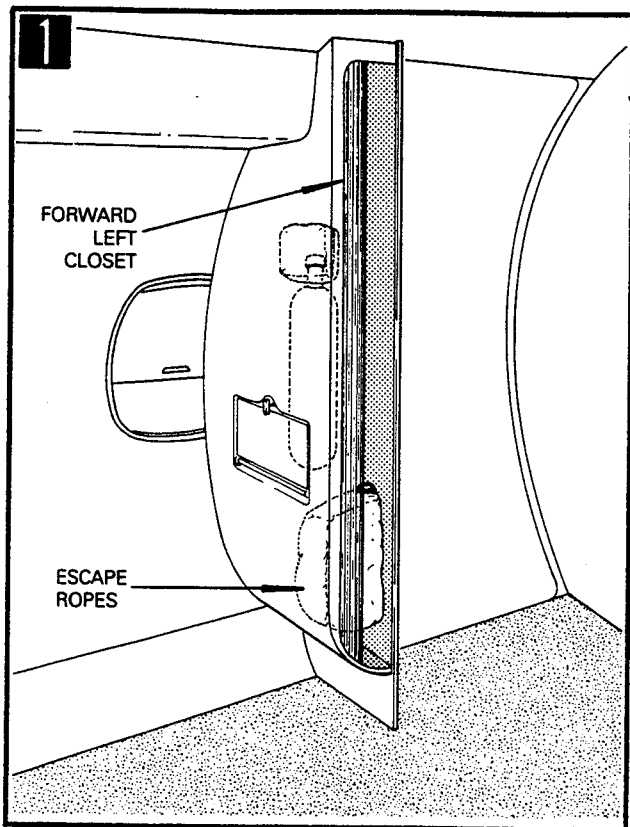
EMERGENCY EXIT HATCHES OPERATION  
(APPLICABLE TO EMB-120 ADVANCED VERSION)

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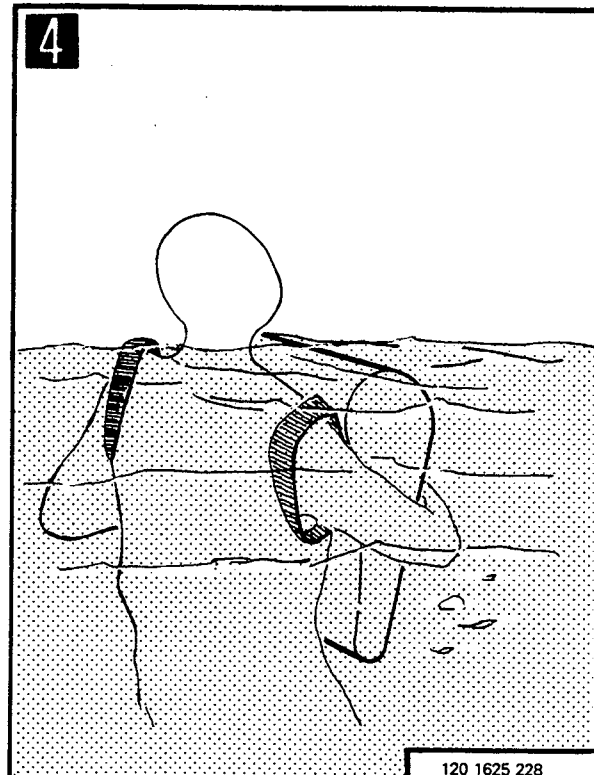
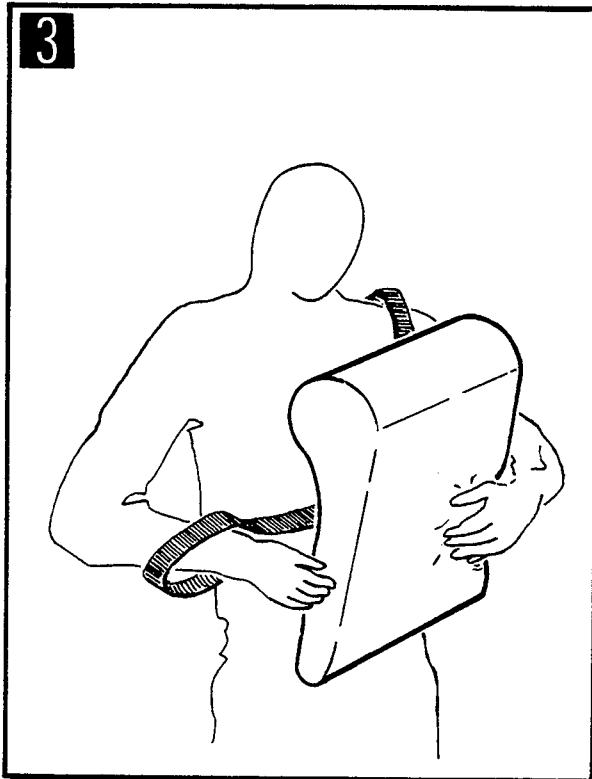
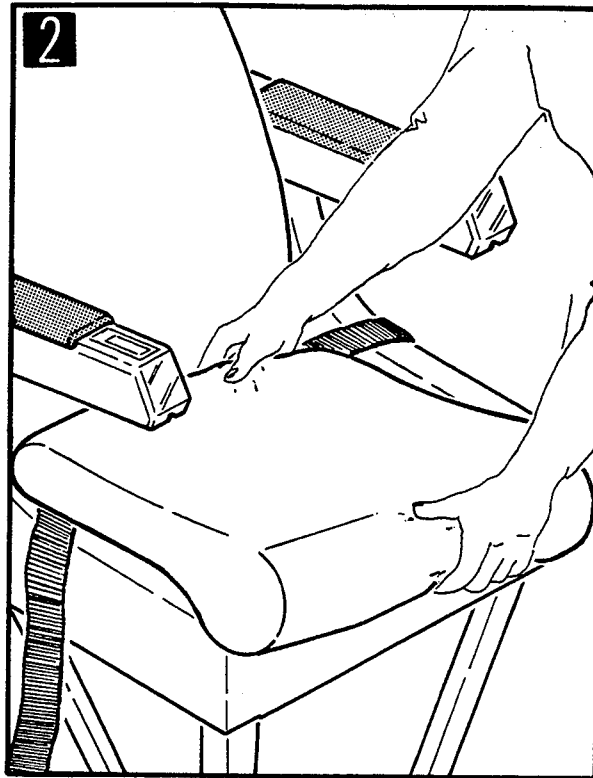
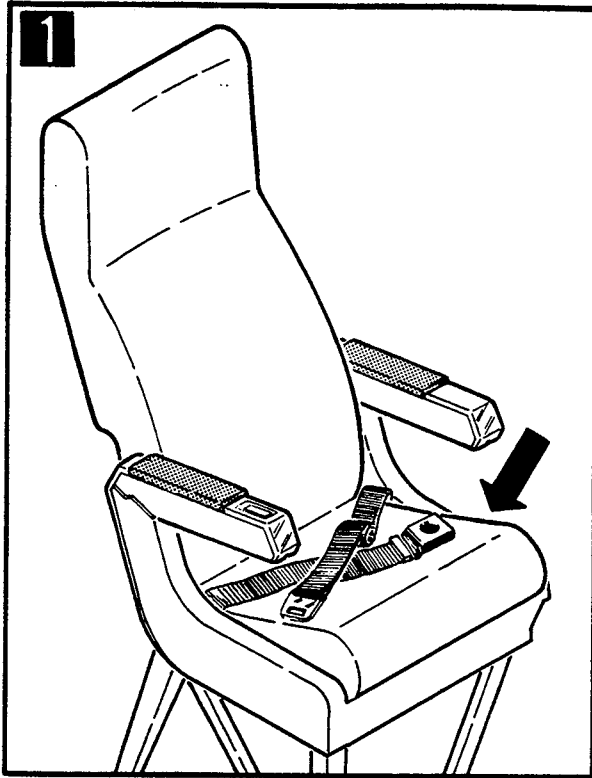
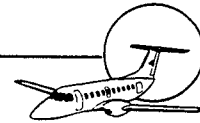
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EMB120 *Brasilia*  
OPERATIONS MANUAL

SYSTEMS DESCRIPTION  
EMERGENCY EQUIPMENT



HAND-HOLD ROPE OPERATION

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FLOATABLE SEAT OPERATION

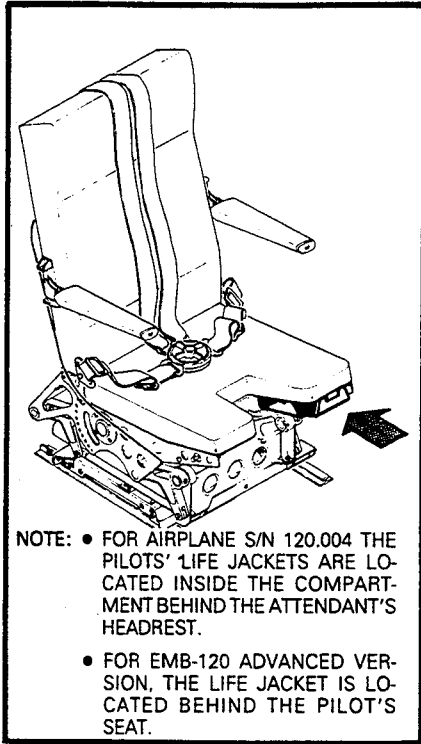
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**EMBRAER**  
**EMB120 Brasília**  
**OPERATIONS MANUAL**

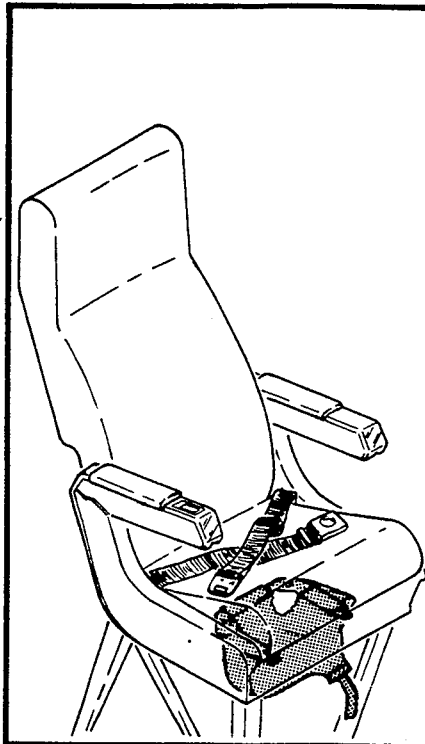
SYSTEMS DESCRIPTION  
 EMERGENCY EQUIPMENT



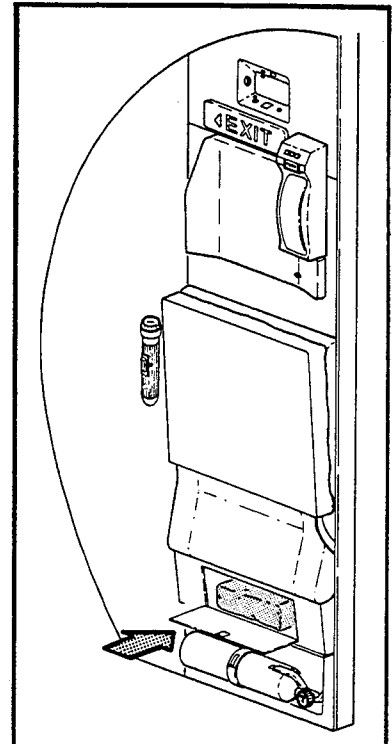
**NOTE:**

- FOR AIRPLANE S/N 120.004 THE PILOTS' LIFE JACKETS ARE LOCATED INSIDE THE COMPARTMENT BEHIND THE ATTENDANT'S HEADREST.
- FOR EMB-120 ADVANCED VERSION, THE LIFE JACKET IS LOCATED BEHIND THE PILOT'S SEAT.

PILOTS

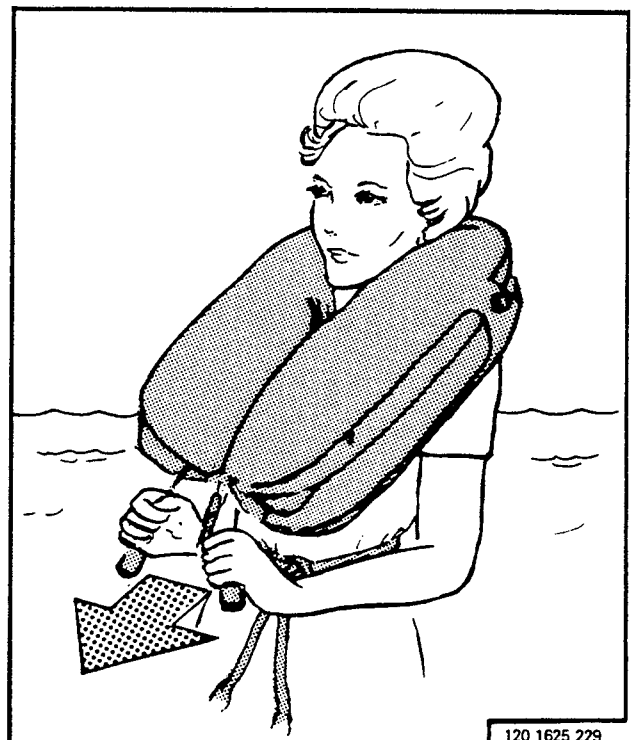
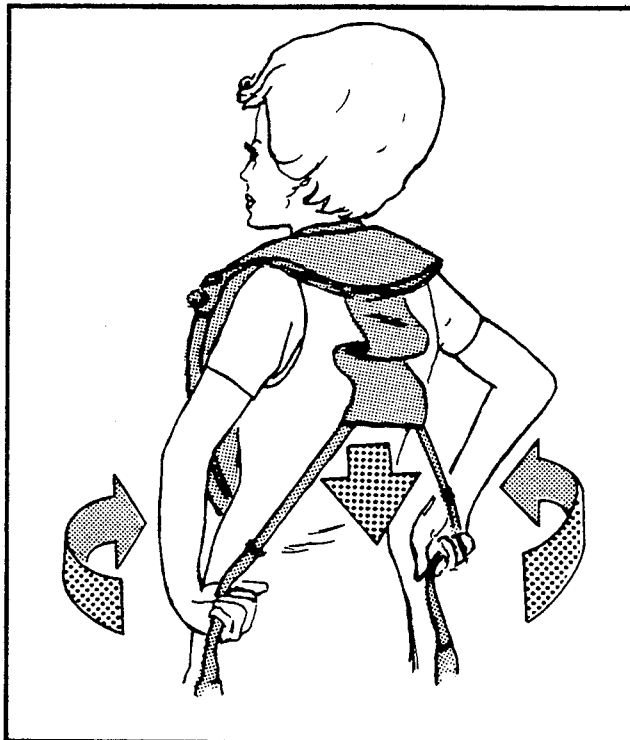


PASSENGER (OPTIONAL)



ATTENDANT AND OBSERVER

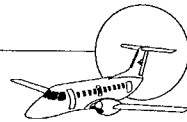
**LIFE JACKET LOCATION**



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**LIFE JACKET OPERATION**

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## OPERATIONS MANUAL

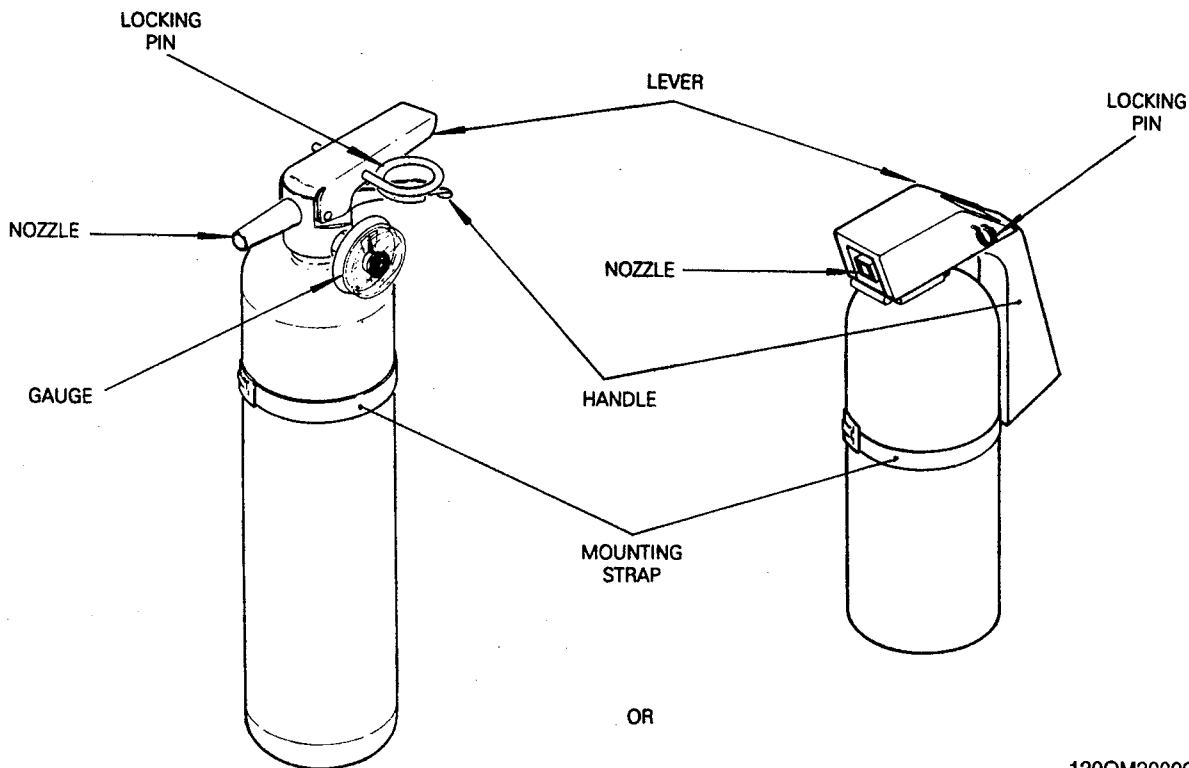
### FIRE EXTINGUISHER OPERATION

#### EFFECTIVITY:

All classes of fire.

#### OPERATION

1. Unsnap "quick release" mounting strap, remove extinguisher and hold it upright.
2. Pull locking pin.
3. Stand at a safe distance away from fire.
4. Aim nozzle at base of fire. Be prepared for discharge as handle and lever are squeezed.
5. Use rapid side to side motion to suppress fire. Move closer as the fire is being extinguished.
6. Direct all of the discharging agent onto the fire and make sure the fire is completely extinguished. After fire is out, carefully watch for "flashback".
7. Ventilate the compartment as promptly as possible after successfully having extinguished the fire.



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FIRE EXTINGUISHER

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# OPERATIONS MANUAL

## EMERGENCY LOCATOR TRANSMITTER SYSTEM

The Emergency Locator Transmitter (ELT), consists of a self-contained dual frequency radio transmitter, which when activated, transmits an omni directional signal on the international distress frequencies of 121.5 and 243.0 MHz, in order to facilitate airplane location during search and rescue operations. The system comprises a transmitter and antenna, installed inside the dorsal fin, and a remote switch, located in the cockpit.

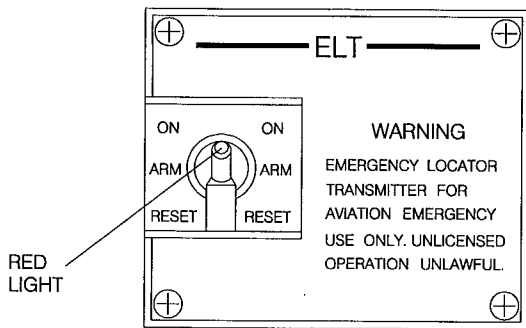
The Emergency Locator Transmitter can be either automatically or manually activated.

In normal condition, the remote switch is positioned in the ARM position. In this condition, the ELT will be automatically activated if the airplane is subjected to an impact leading to a longitudinal deceleration between 5 and 7 G.

The ELT can also be manually activated. Manual activation is accomplished by positioning the remote switch to ON RESET (DMELT-8) or ON (DMELT-14).

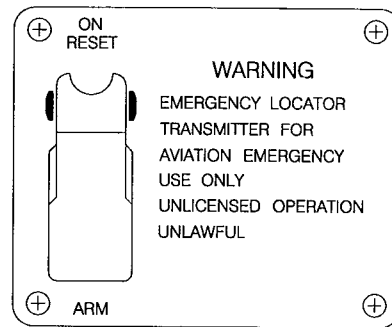
When the airplane is on the ground, manual activation can also be accomplished, by accessing the ELT transmitter and positioning the transmitter switch to ON.

For airplanes equipped with DMELT-14, the remote switch incorporates a red light, which will illuminate whenever ELT is transmitting.



ELT REMOTE SWITCH (DMELT-14)

OR



ELT REMOTE SWITCH (DMELT-8)

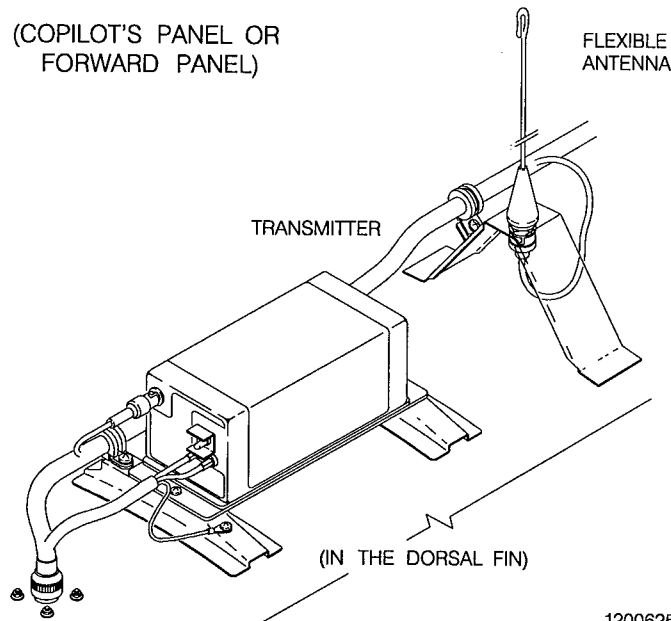
(COPILOT'S PANEL OR FORWARD PANEL)

FLEXIBLE ANTENNA

TRANSMITTER

ELT SYSTEM COMPONENTS

(IN THE DORSAL FIN)



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