

DOCKET NO.: SA-515

**NATIONAL TRANSPORTATION SAFETY BOARD
WASHINGTON, D.C.**

ATTACHMENT 10

**EMERGENCY LIGHTS, EMERGENCY EXITS
LOCATION AND OPERATION
(13 PAGES)**

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ESCAPE SLIDES

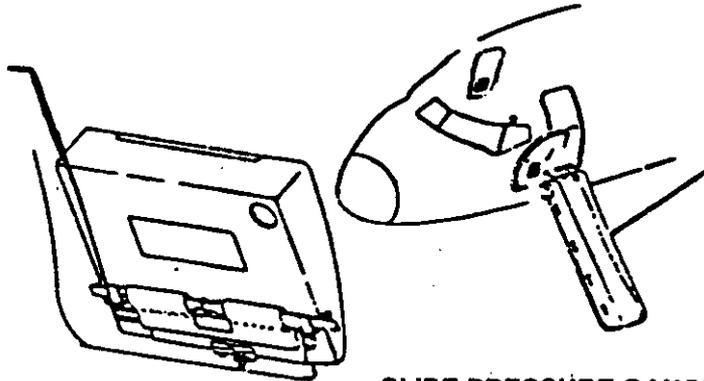
The forward cabin door and both galley doors are equipped with slides that inflate and deploy automatically when the door is opened with the girt bar installed in airplane floor fittings. A back-up manual inflation handle is provided on each door slide should the slide fail to inflate automatically.

When the aft cabin door is opened using the emergency exit handle, the tailcone is jettisoned and a slide is automatically inflated. A back-up inflation handle is provided on the slide should the slide fail to inflate automatically. All door slides have integral emergency lighting.

ESCAPE SLIDE GIRT BAR STOWED (TYPICAL)

CAUTION

Do not open door for normal use until slide girt bar is properly stowed in clips on slide cover.

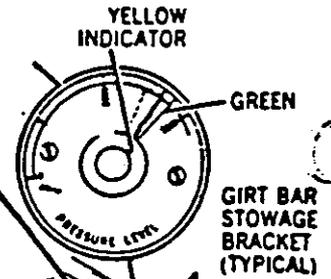


ESCAPE SLIDE IN DEPLOYED POSITION

SLIDE PRESSURE GAUGE (TYPICAL - ALL SLIDES)

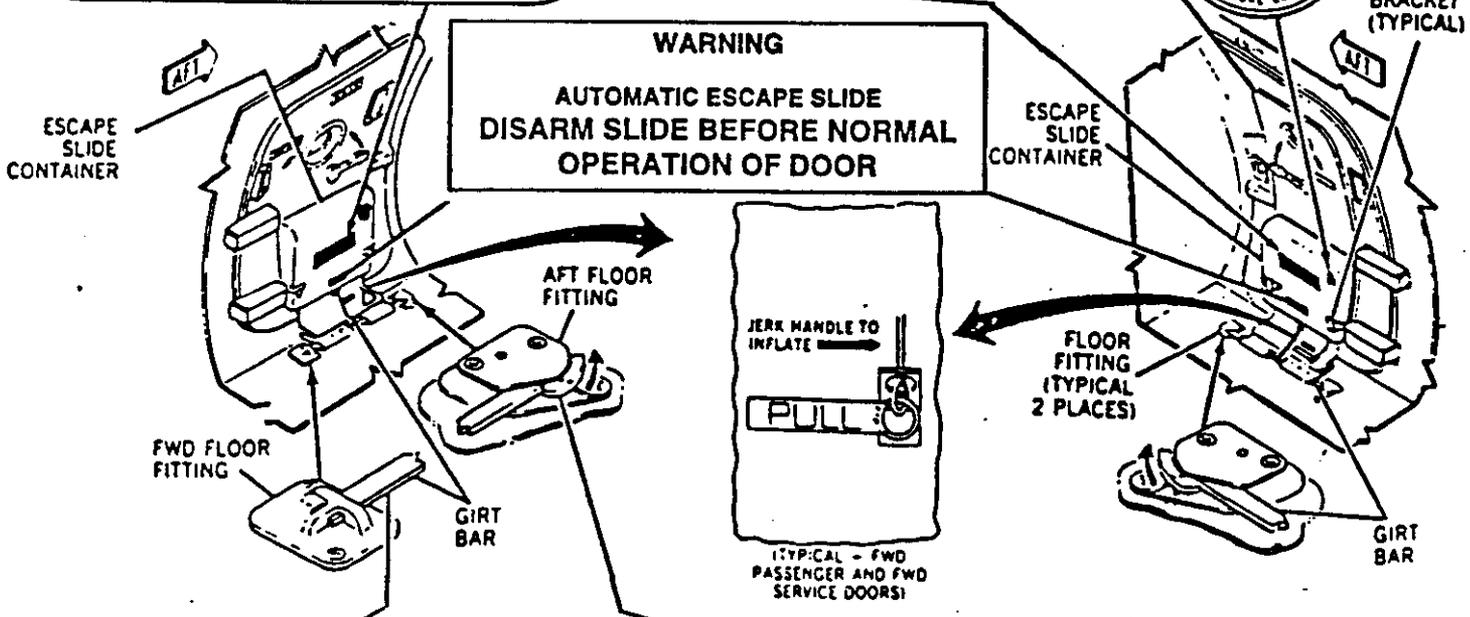
Remove and replace cylinder if indicator is out of the green.

FWD CABIN DOOR



ESCAPE SLIDE TO OPERATE OPEN AIRPLANE ENTRY DOOR

WARNING
AUTOMATIC ESCAPE SLIDE DISARM SLIDE BEFORE NORMAL OPERATION OF DOOR



TO INSTALL GIRT BAR

Insert end of girt bar into aft floor fitting. Then push forward end of girt bar in against spring-loaded latch.

TO REMOVE GIRT BAR

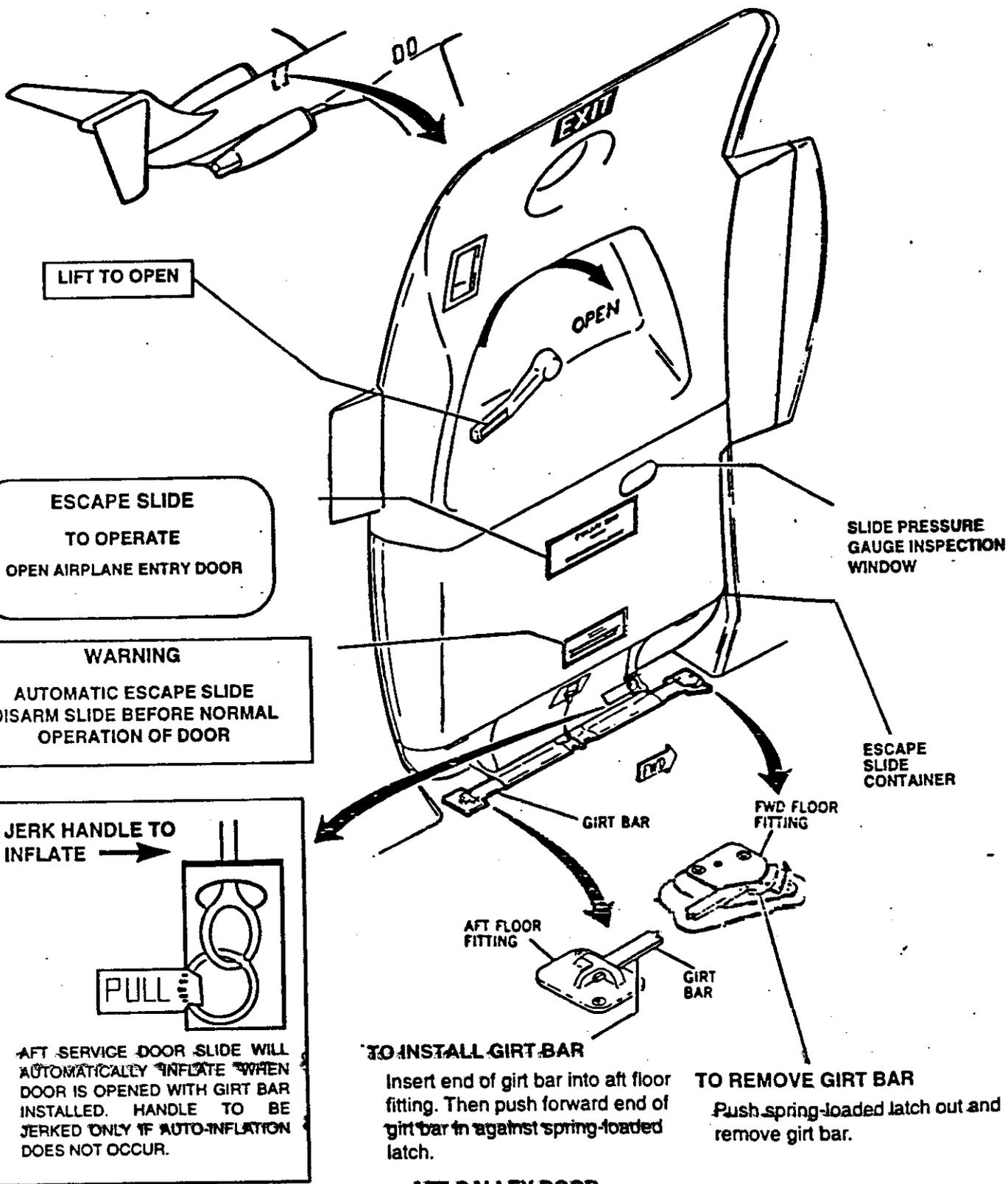
Push spring-loaded latch out and remove girt bar.

FORWARD CABIN AND FORWARD GALLEY DOOR



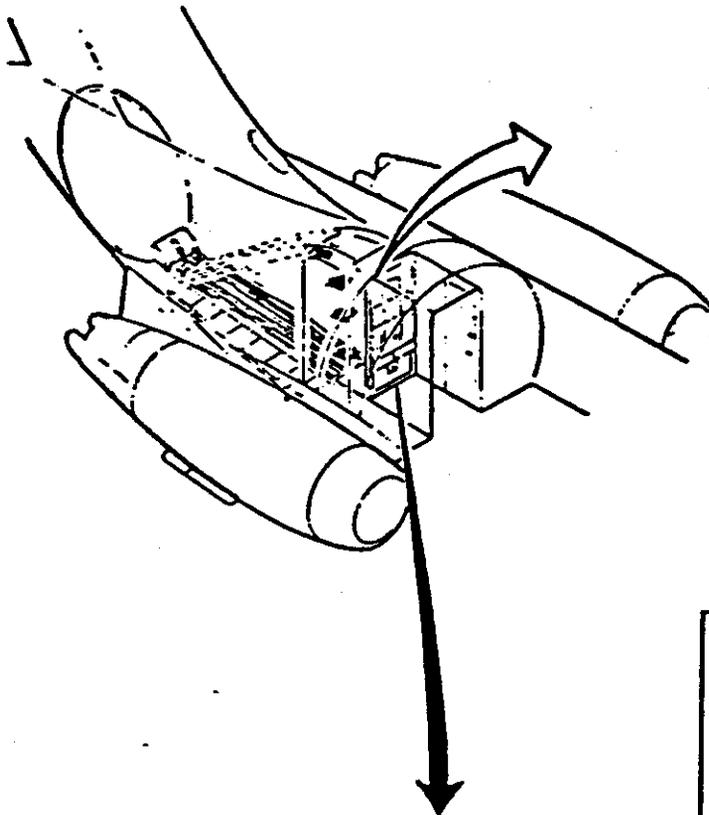


PILOT'S REFERENCE MANUAL



AFT GALLEY DOOR

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WARNING
IF DECAL
IS PUNCTURED
NOTIFY CAPTAIN
IMMEDIATELY

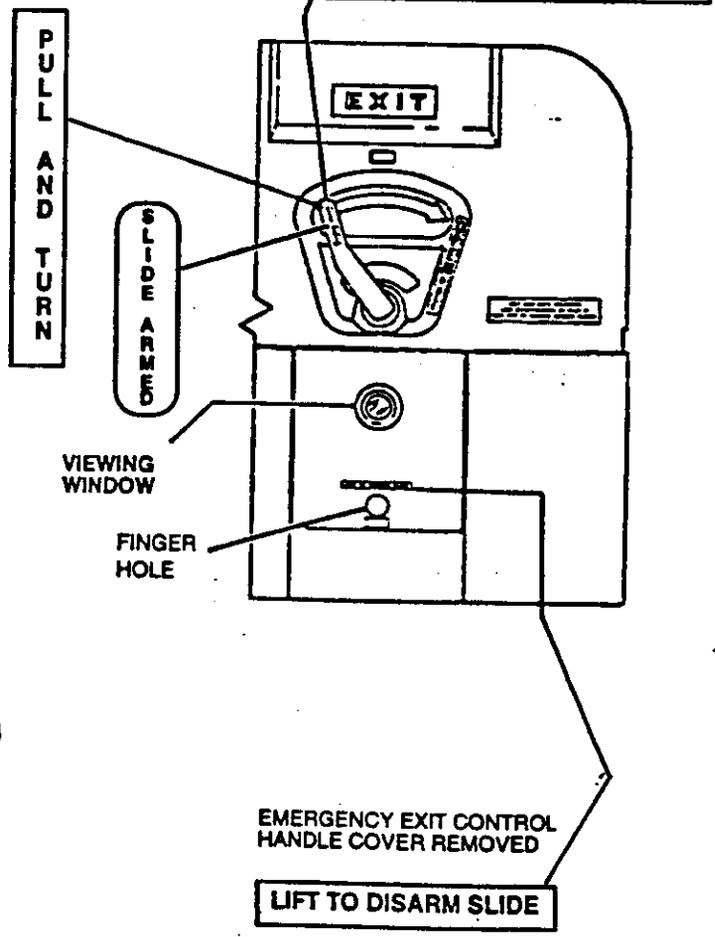
TAILCONE RELEASE
MECHANISM PLACARD

*NOTE: Punctured
decal indicates need
for tailcone release
mechanism inspection.*

EMERGENCY EXIT HANDLE

Rotate clockwise to unlatch and open door. Opening door causes tailcone to be jettisoned and deploys evacuation slide.

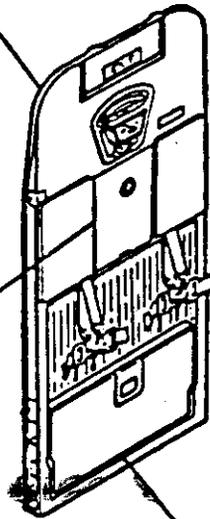
FOR EMERGENCY USE ONLY
REMOVE COVER



AFT
CABIN
DOOR

CENTER HEAD REST PAD

When lowered (as shown), emergency door opening/tailcone release handle and instructions are available. When raised, normal door release handle and instructions available.



AFT ATTENDANT'S SEAT (STOWED)

AFT CABIN DOOR

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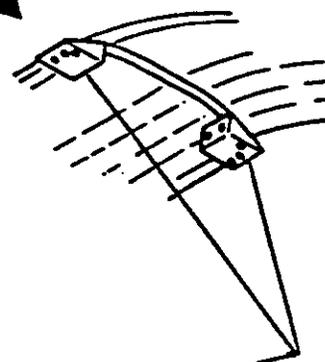
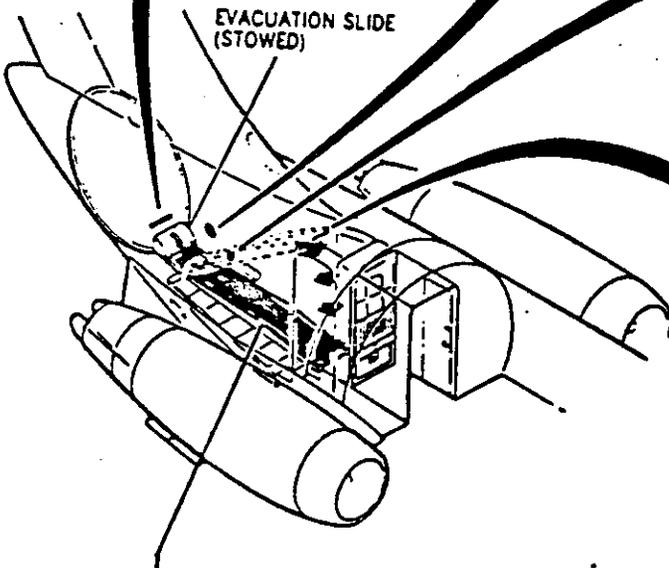
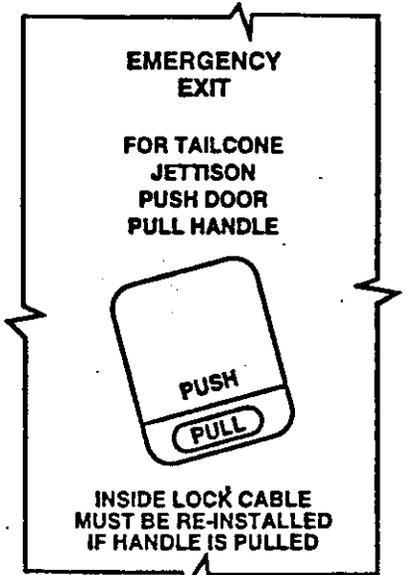
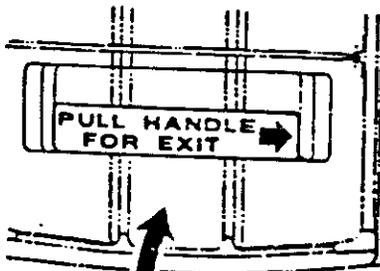
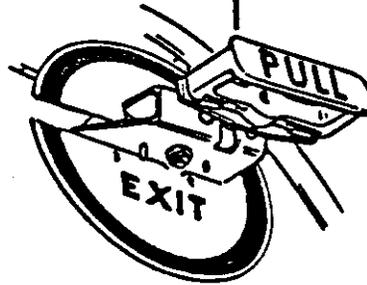


PILOT'S REFERENCE MANUAL

TAILCONE INTERIOR JETTISON HANDLE

PULL - Jettisons tailcone and deploys slide.

NOTE: Tailcone is normally jettisoned using the cabin door emergency handle.

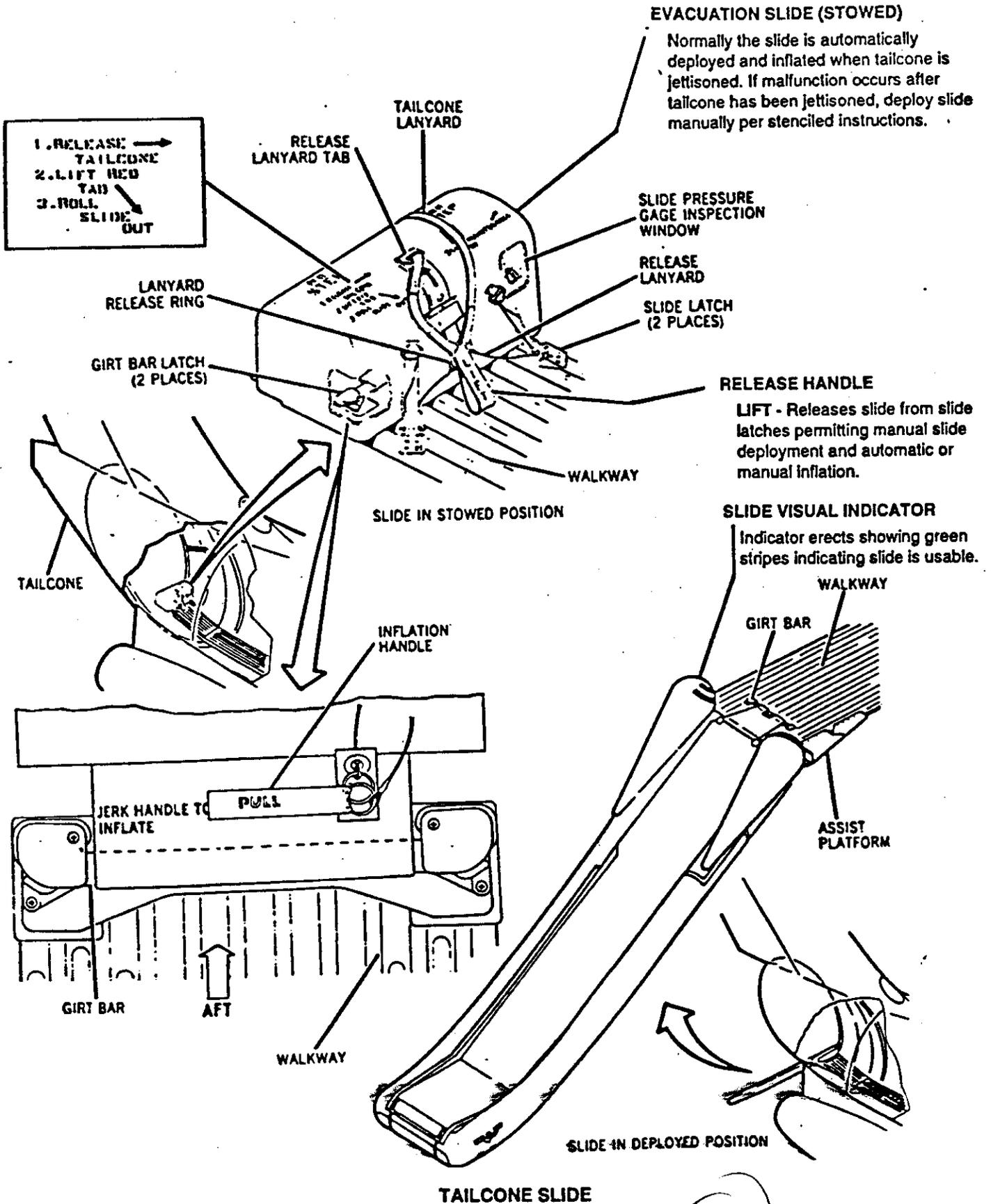


EMERGENCY WALKWAY

Folds into ceiling when all stairway is extended. When stairway is retracted, walkway is in the lowered position.

CEILING STOPS

Emergency walkway is spring and cable operated and may be manually overridden by pulling down on the stops in the event of a malfunction.



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PILOT'S REFERENCE MANUAL

EMERGENCY LIGHTING

Emergency lighting provides escape path lighting for the cockpit and passenger compartment. Cockpit emergency lighting consists of two peanut bulbs on the aft overhead panel in the cockpit. Passenger compartment emergency lighting consists of floor proximity escape path lighting and ceiling lights. In addition, overdoor exit, overwing exit, aft passenger stair and tail section, and exterior overwing lights are illuminated. Emergency lights are powered by individual rechargeable battery packs that supply power for approximately 15 minutes when fully charged. The emergency light system is activated in one of 3 ways:

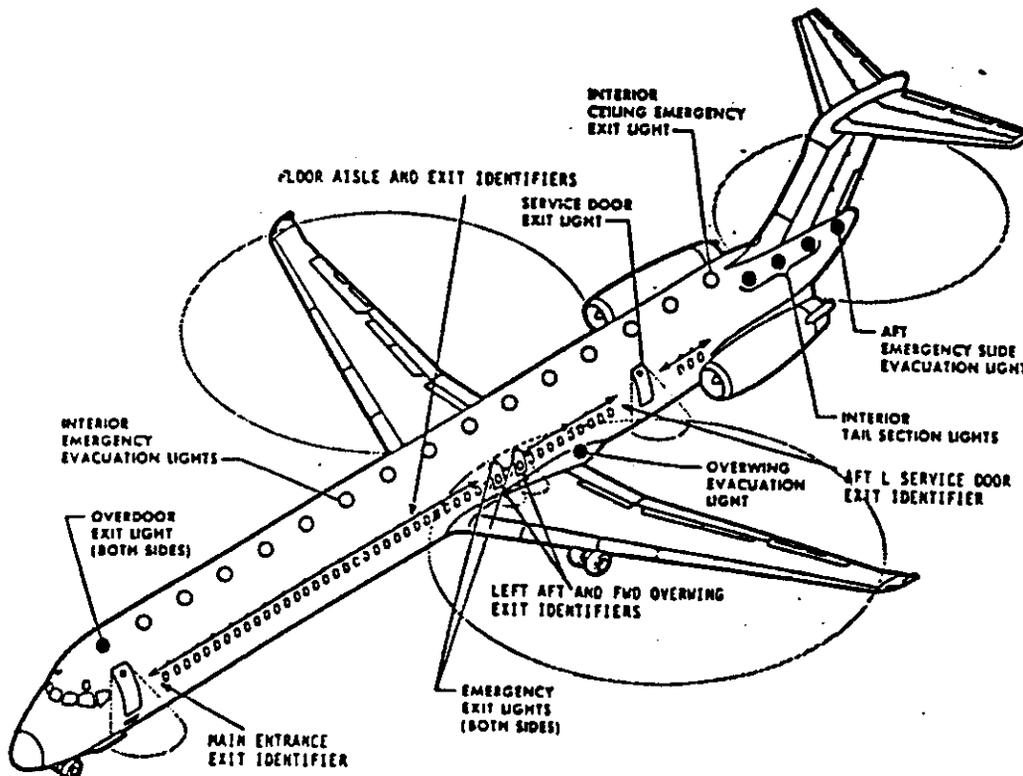
- Position EMER LTS (emergency lights) Switch in cockpit to ON.
- Loss of emergency DC bus with system armed.
- Position EMERGENCY LIGHTS Switch at flight attendant's panel to ON.

STANDBY LIGHTING

In the event of electrical power failure, standby lighting can be provided throughout the aircraft by the Standby Lighting System. Standby lighting is activated by selecting ON with the EMER PWR (emergency power) Switch. Electrical power for this system is provided by the battery direct bus.

Cockpit standby lighting consists of Captain's thunderstorm light, under glareshield lighting, and the white EMER PWR IN USE light.

Cabin standby lighting consists of alternate ceiling lights on right side (behind F/O).



EMERGENCY EVACUATION LIGHTS

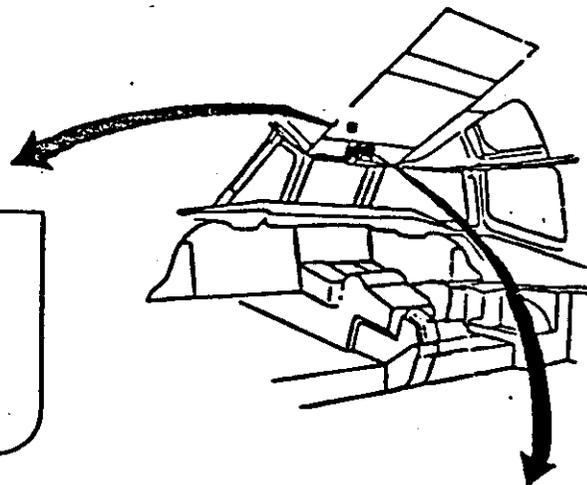
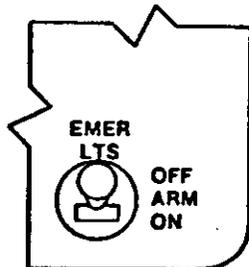
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PILOT'S REFERENCE MANUAL

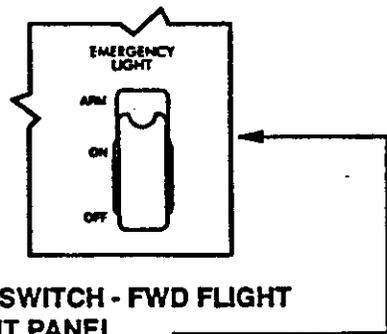
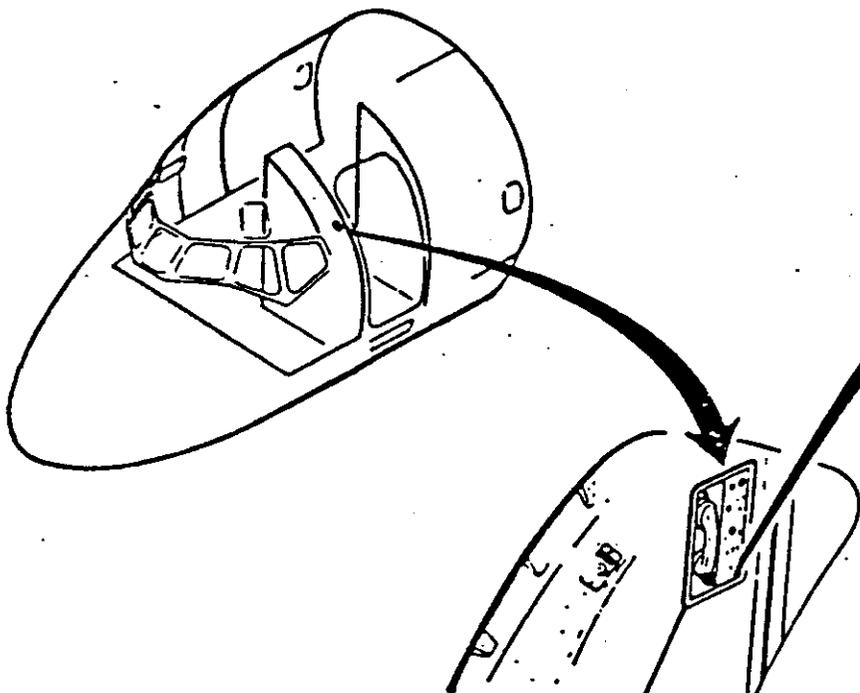
EMER LTS SWITCH - COCKPIT OVERHEAD PANEL

- **OFF** - Prevents emergency lights from illuminating. EMER LIGHT NOT ARMED message is on. This position can be overridden and emergency lights switched ON at the EMERGENCY LIGHT Switch on the forward attendant's panel.
- **ARM** - Normal flight position. Emergency lights are off. Connects battery packs charging circuits to emergency DC bus. Emergency lights illuminate automatically with loss of power to the Emergency DC bus.
- **ON** - Simulates electrical power failure. All emergency lights and EMER LIGHT NOT ARMED message illuminate.



EMER LIGHT NOT ARMED MESSAGE

Illuminates when EMER LTS Switch on the overhead panel is not in ARM position.



EMER LTS SWITCH - FWD FLIGHT ATTENDANT PANEL

- **OFF** - Normal guarded position. Emergency lights are controlled by EMER LTS Switch on the pilot's overhead panel.
- **ARM** - (Momentary) Readies the emergency lighting circuit for turning on the emergency lights from the forward attendants' panel.
- **ON** - Illuminates emergency lights regardless of position of EMER LTS Switch on the pilot's overhead panel; however, switch must be moved to ARM momentarily prior to selecting ON emergency lights. Lights remain illuminated until batteries are discharged.

CAUTION

~~Emergency lights cannot be switched off~~
unless BATTERY Switch is ON.

EMERGENCY LIGHTING CONTROLS AND INDICATORS

— END —

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PILOT'S REFERENCE MANUAL

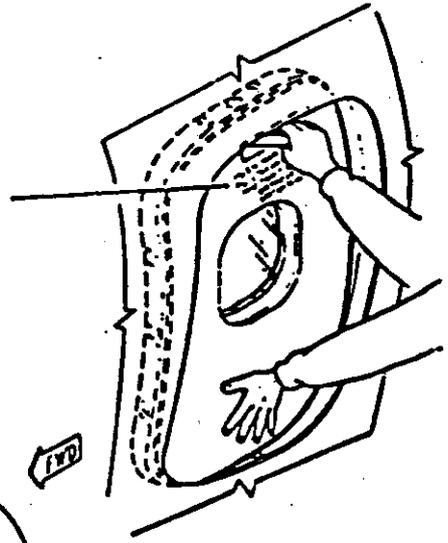
OVERWING EMERGENCY EXITS

The overwing exit hatches are removed by pulling inward on the upper handle which has the "PULL" label. The hatch is then lifted inside and stowed.

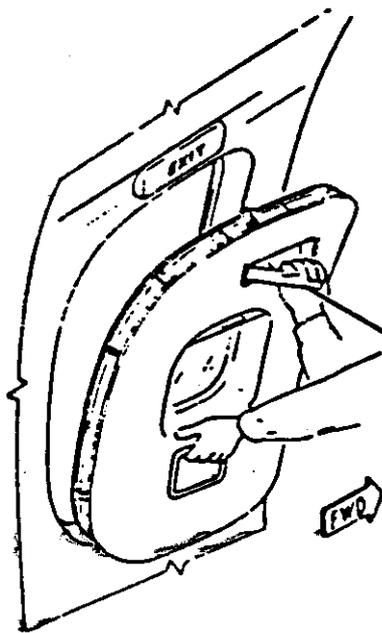
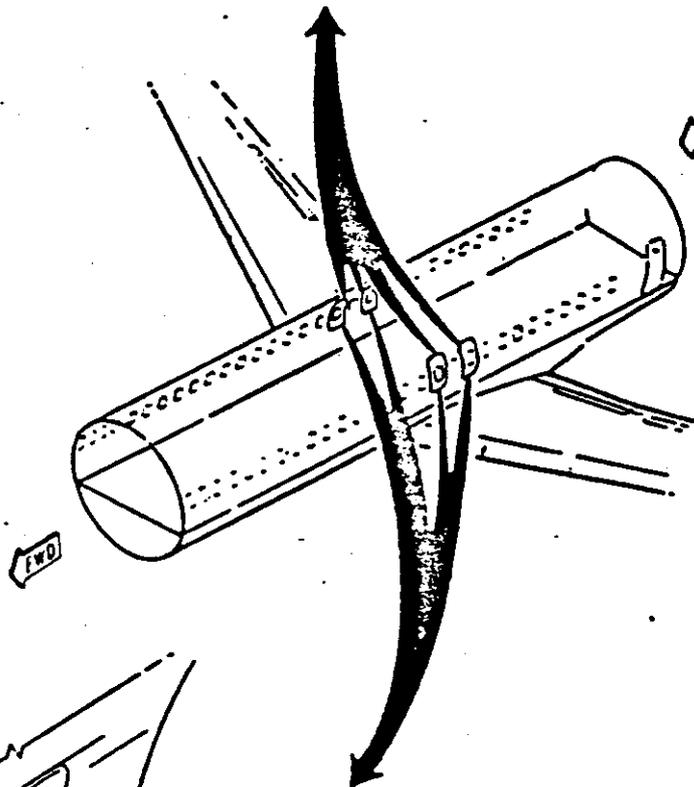
EMERGENCY EXIT



PUSH HANDLE RELEASE. PULL THE HANDLE AND AT THE SAME TIME PUSH IN ON TOP OF DOOR. LIFT UP FORCIBLY.



EMERGENCY DOOR REMOVAL FROM INSIDE AIRPLANE



EMERGENCY DOOR REMOVAL FROM INSIDE AIRPLANE

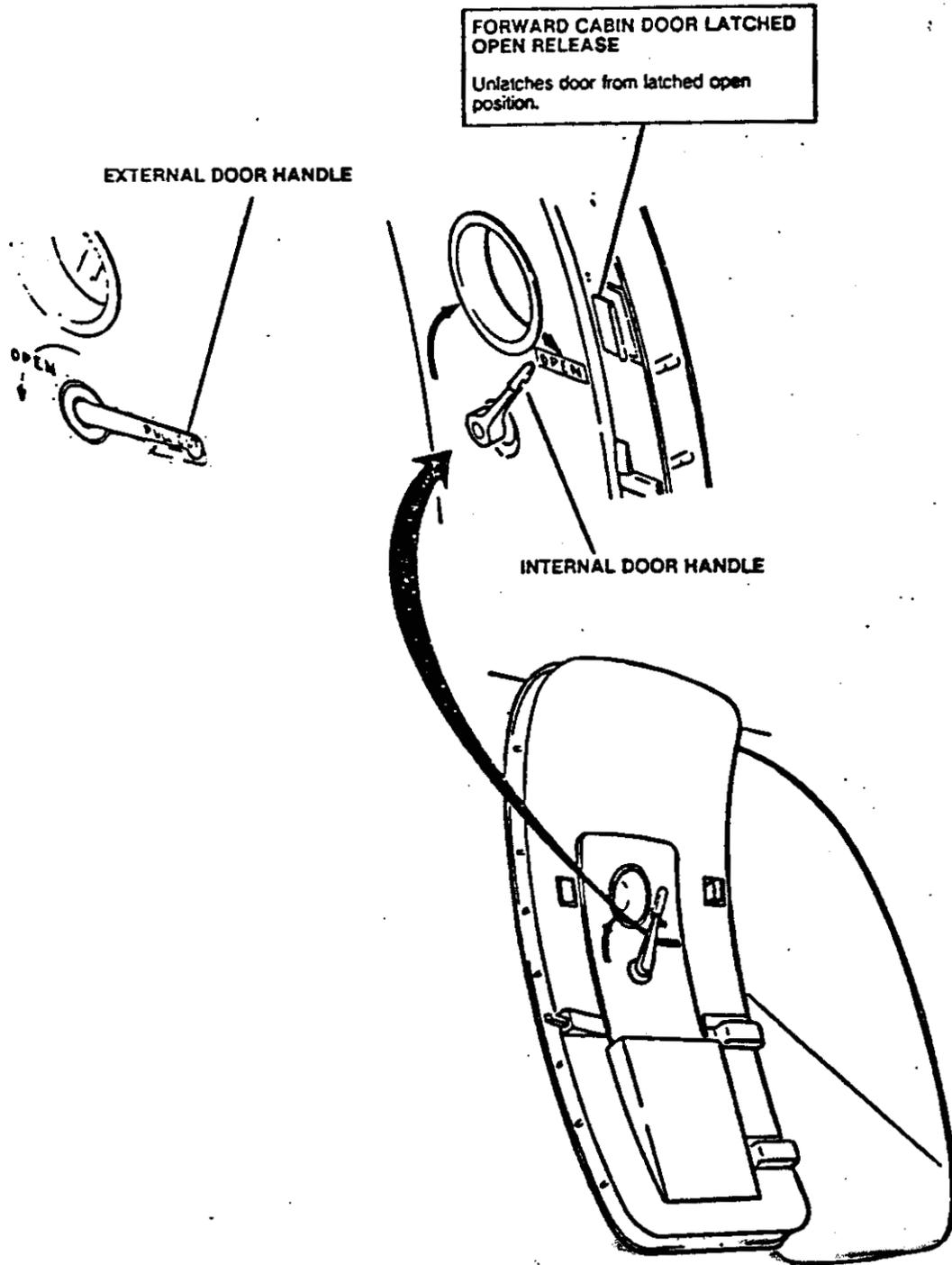


OVERWING EXIT OPERATION

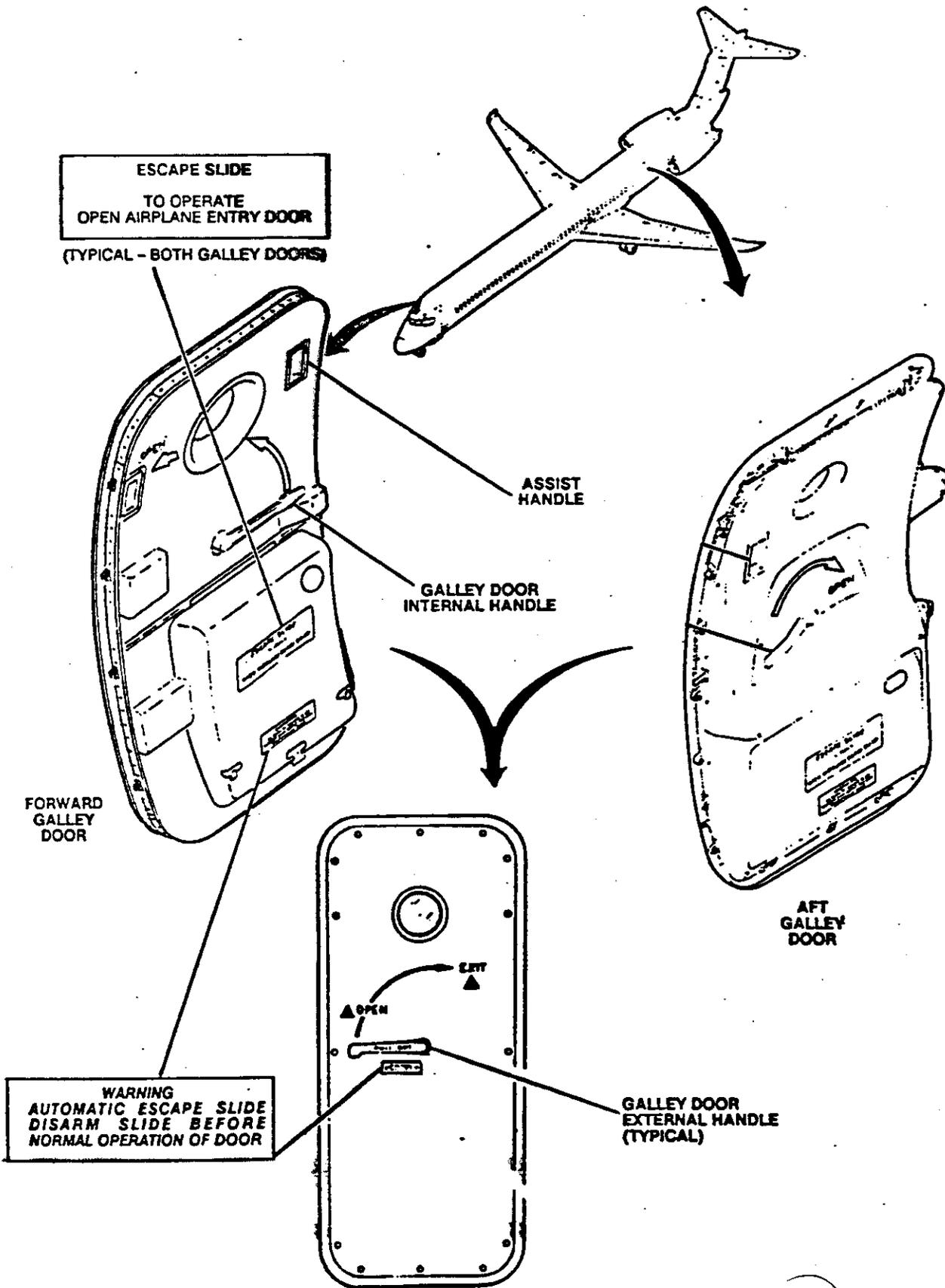
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PILOT'S REFERENCE MANUAL

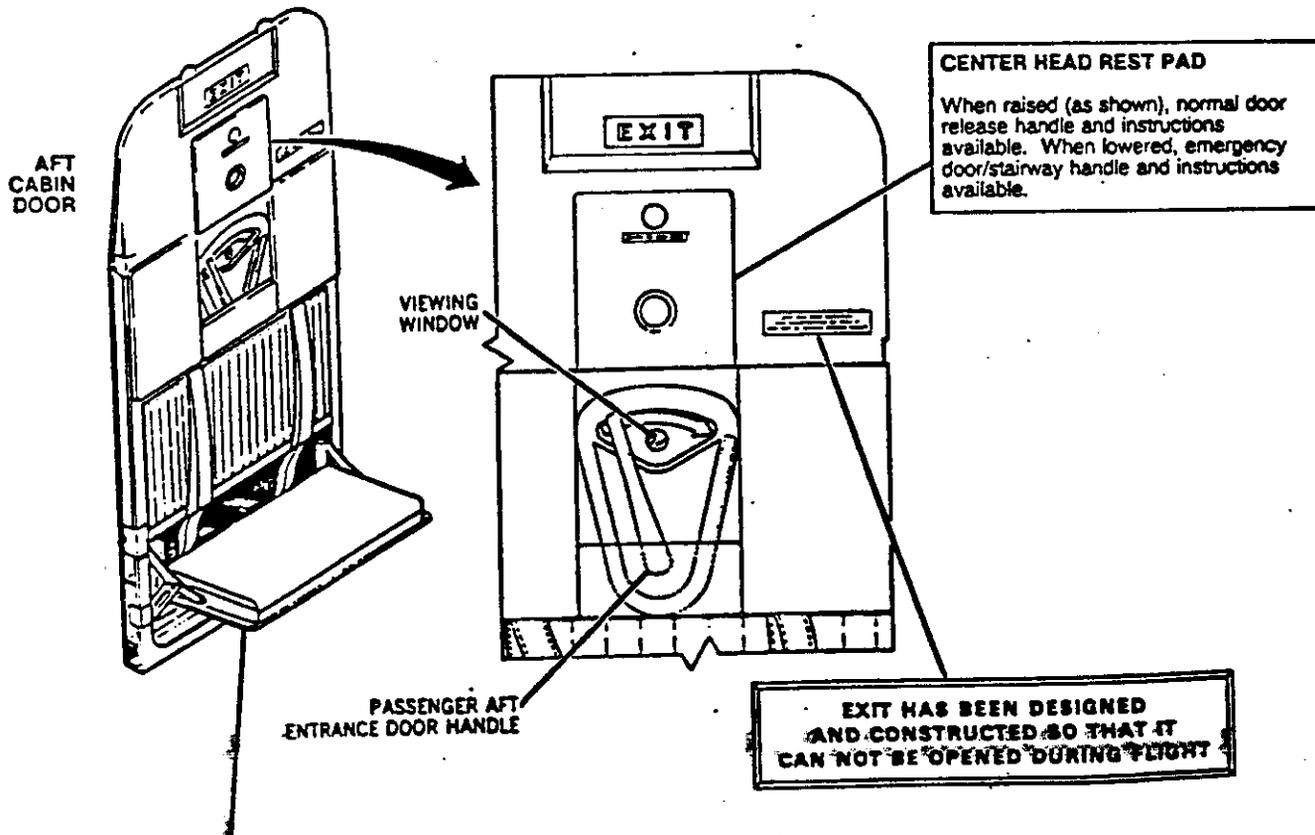
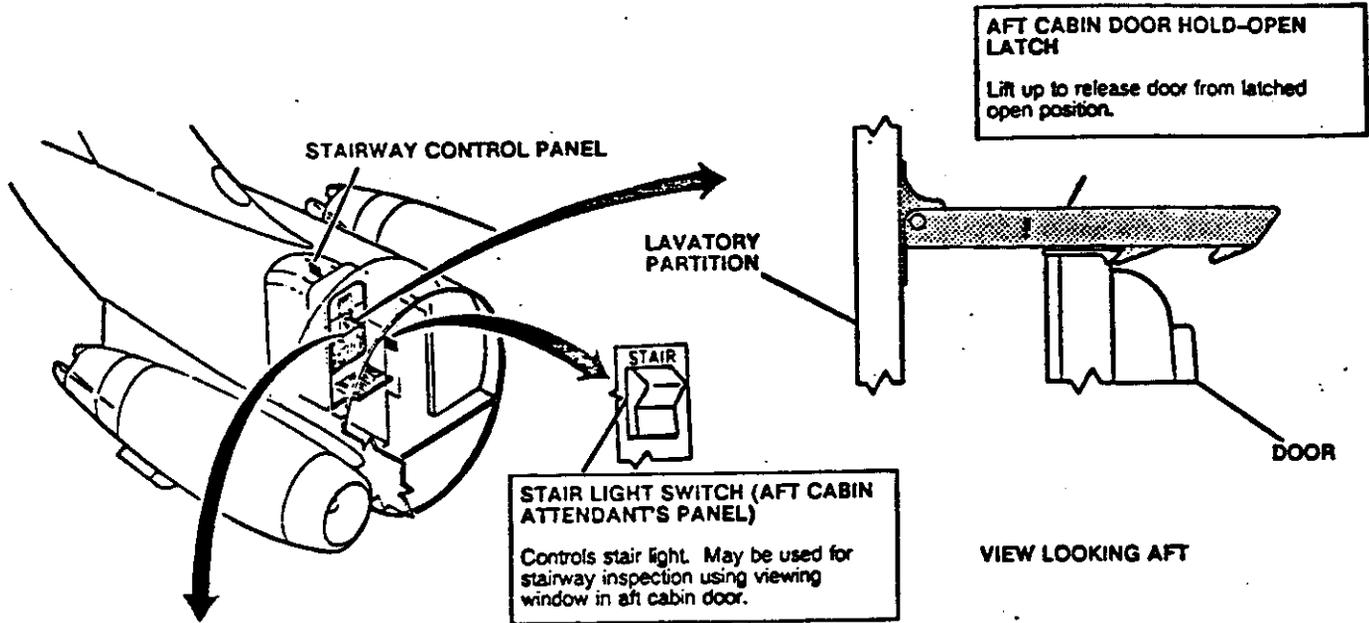


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FORWARD AND AFT GALLEY DOORS

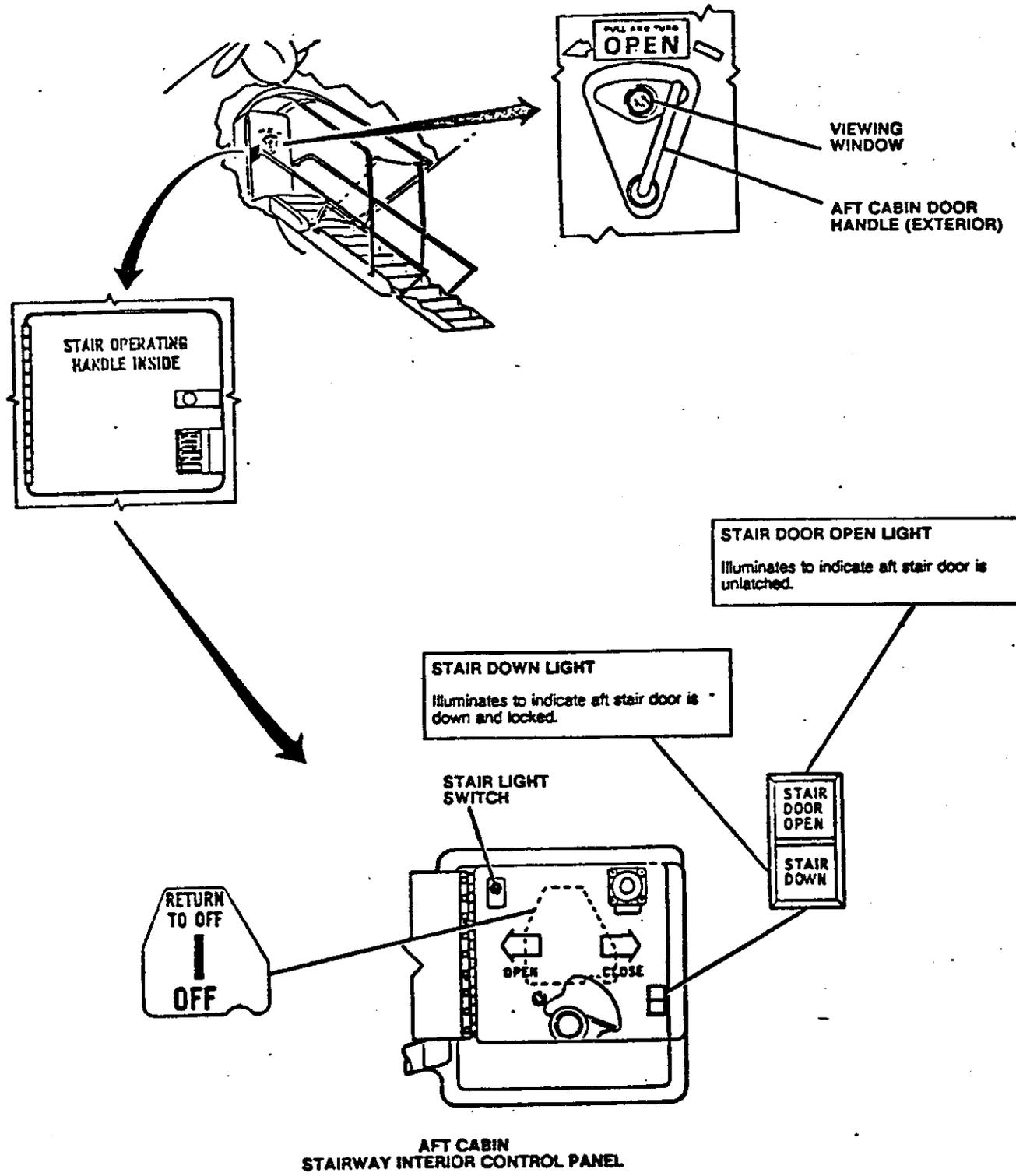
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AFT ATTENDANT'S SEAT (SHOWN EXTENDED FOR ILLUSTRATION PURPOSES. SEAT BOTTOM SPRING-LOADED TO FOLD INTO RECESS TO ALLOW DOOR TO OPEN)



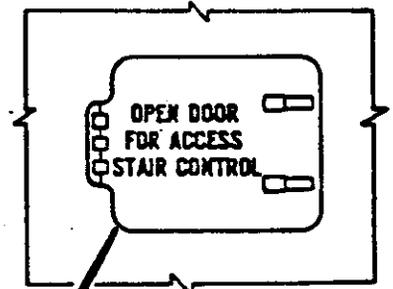
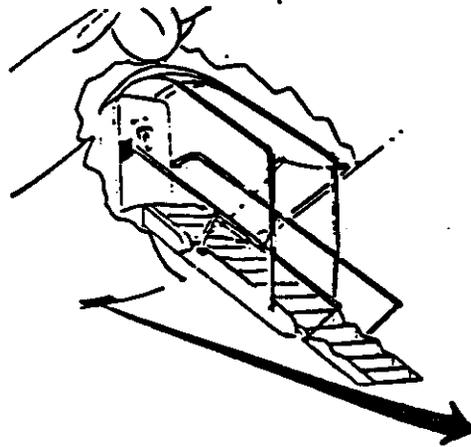
AFT CABIN DOOR



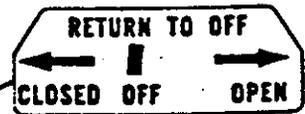
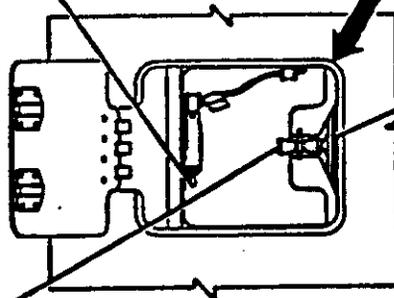
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PILOT'S REFERENCE MANUAL



STAIR LIGHT SWITCH



STAIRWAY CONTROL HANDLE

NOTE: Handle is spring loaded to the OFF (center) position.

OPEN - Extends stairway. Hold in OPEN position until stairway is fully down and locked. If control handle resistance is encountered and no stair operation is observed, move handle to CLOSE and then to OPEN. Handle will return to OFF position when released.

CLOSE - Retracts stairway. Hold in CLOSE position until stairway is fully retracted and locked. If control handle resistance is encountered and no stair operation is observed, move handle to OPEN and then to CLOSE. Handle will return to OFF position when released.

AFT STAIRWAY EXTERIOR CONTROL PANEL

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