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GENERAL

The aircraft has three lowerdeck cargo compartments :

- Forward cargo compartments, subdivided into compartments 1 and 2.
- Aft cargo compartment, subdivided into compartments 3 and 4.
- Bulk cargo compartment, compartment 5.

The main access doors to forward and aft compartments are hydraulically operated. The bulk cargo door gives access to the aft cargo compartment. It is manually operated.

DESCRIPTION

Each compartment is divided into sections, and is designed to be category C as defined by FAR.

A placard in each compartment indicates the maximum authorized gross weight. The compartments have separate lighting.

CARGO LOADING SYSTEM

A semi-automatic cargo loading system, which is installed in forward and aft compartments, loads pallets and containers.

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CARGO CAPACITY

The maximum cumulative loads for each compartment and section are as follows :

- Forward compartment : 30 482 kg (67 200 lb)
- Aft compartment : 22 861 kg (50 400 lb)
- Bulk compartment : 3 468 kg (7 645 lb)

CARGO LOADING SYSTEM (CLS)

The following table lists the loading possibilities (including the Maximum Gross Weight per container/ pallet).

ULD	ATA	NAS 3610	IATA	Allowable MGW		Maximum number	
				lb	kg	Forward	Aft
Half size	LD3	2K2	E/G	3500	1587	24	18
Half size	LD1	2K2	C/H	3500	1587	12	9
60.4 × 61.5 in		2K3	X/G/E	3500	1587	24	18
60.4 × 61.5 in		2K3	H	3500	1587	12	9
Full size	LD6	2L2	F	7000	3174	12	9
60.4 × 125 in		2L3/2L4	F	7000	3174	12	9
88 × 125 in		2A1/2A2/2A3/2A4/2A6	F	10200	4626	8	6
96 × 125 in		2M1/2M2/2M3	F	11250	5103	8	6

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CARGO DOORS OPERATION

NORMAL OPERATION

OPENING

On door

- ACCESS DOOR OPERATING HANDLERELEASE
Push handle flap inward.
- DOOR UNLOCK
*Move door operating handle upward from LOCKED to UNLOCK position.
Indicator flags at the lower part of the door move out from the door contour. This gives a visual indication that the cargo door is unlocked.*
- DIFFERENTIAL PRESSURECHECK

WARNING

Do not operate the latching handle if the red indicator light flashes as an overpressure exists in the cargo hold.

- DOOR UNLATCH
Press the pushbutton on the latching handle, then pull the handle down to the unlatched position.

On door service panel

- SERVICE PANEL ACCESS DOOR OPEN
- LEVER OF MANUAL SELECTOR VALVEHOLD ON OPEN
The yellow hydraulic system is pressurized (YELLOW ELEC PUMP energized). Operation of the flight controls is inhibited.
- When the door is fully open (green light on the service panel is on) :
 - LEVER OF MANUAL SELECTOR VALVERELEASE
When released, the lever returns to the neutral (STOP) position and shuts down the electric pump after a 10 seconds delay.

CAUTION

Check that the lever has reached the neutral position and the pump operation has stopped.
Continuous operation leads to a pump overheat.

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CLOSING

On door service panel

- **LEVER OF MANUAL SELECTOR VALVEHOLD ON CLOSE**

At first the lever locks in an intermediate position, maintaining a pre-set pressurization to prevent the door from dropping open. The operator can then move the lever to CLOSE and the door closes. When it is fully closed, the lever returns to the neutral position and shuts down the electric pump.

Ensure that green indicator light goes out.

● **When the door is fully closed :**

- **LEVER OF MANUAL SELECTOR VALVE.....RELEASE**

Release within 1 minute after door closure

On door

- **DOOR..... LATCH AND LOCK**

Push the latching handle back into its recess. Push the door locking handle downwards to the locked position. When the door is locked, the cargo doors indication on ECAM extinguishes and the handle flap mechanism locks the operating handle.

On door service panel

- **ACCESS DOOR..... CLOSE**

AUXILIARY OPERATION

In case of an electrical failure or if the electric pump fails, the operator can open or close the doors by working the hand pump.

HAND PUMP OPENING

On door

- **DOOR..... UNLOCK**

Unlock the operating handle as if for normal operation.

On ground service panel

- **SERVICE PANEL ACCESS DOOR..... OPEN**

- **LEVER OF ELECTRICAL MANUAL SELECTOR VALVE CLOSE**

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On door service panel

- SERVICE PANEL ACCESS DOOR..... OPEN
- LEVER OF MANUAL SELECTOR VALVE HOLD ON OPEN

On ground service panel

- HAND PUMP OPERATE

The door opens.

● When the door is fully opened (green light on the service panel is on or sudden increase of force to operate the hand pump) :

On door service panel

- LEVER OF MANUAL SELECTOR VALVE..... RELEASE

On ground service panel

- LEVER OF ELECTRICAL MANUAL SELECTOR VALVE OPEN

HAND PUMP CLOSING

On ground service panel

- LEVER OF ELECTRICAL MANUAL SELECTOR VALVE..... CLOSE

On door service panel

- LEVER OF MANUAL SELECTOR VALVE HOLD ON CLOSE

On ground service panel

- HAND PUMP OPERATE

The door closes.

On door service panel

- LEVER OF MANUAL SELECTOR VALVE RELEASE

Release when door is fully closed.

On ground service panel

- LEVER OF ELECTRICAL MANUAL SELECTOR VALVE..... OPEN

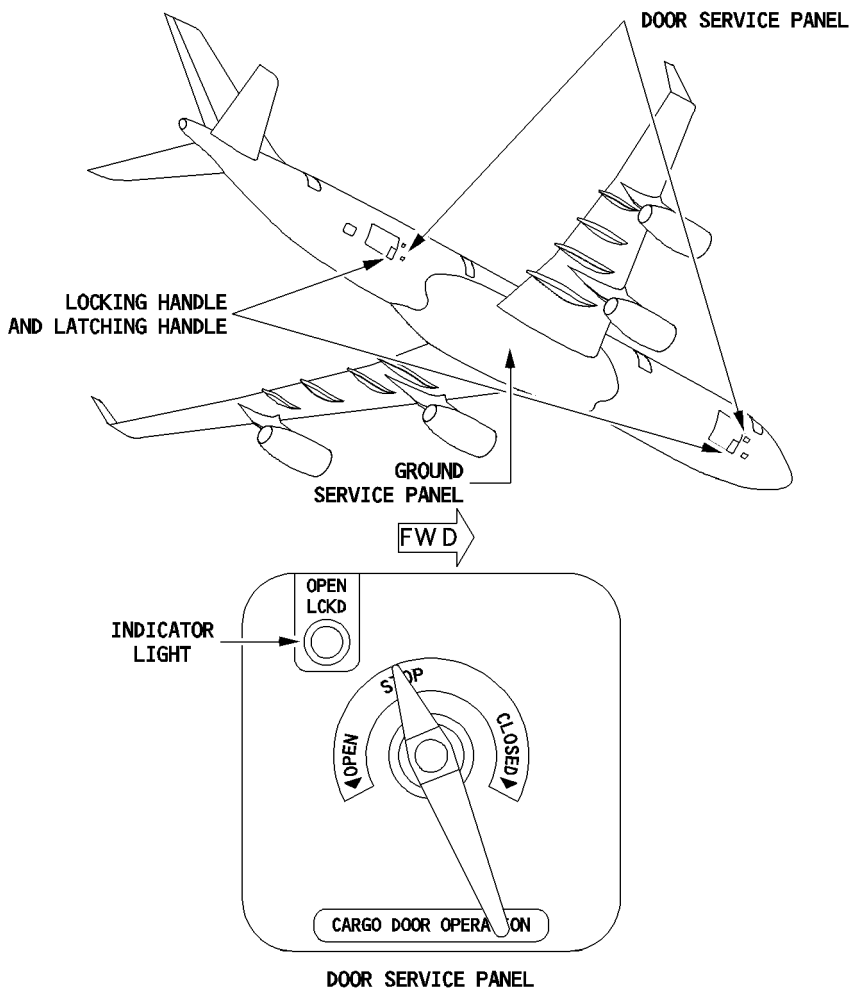
On door

- DOOR **LATCH AND LOCK**
Lock the operating handle as for normal operation.

On door service panel and ground service panel

- ACCESS DOORS **CLOSE**

LOCATION OF SERVICE PANELS



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