

PASSENGER AND CREW DOORS - DESCRIPTION AND OPERATION

1. Crew Doors Description and Operation

- A. The single piece left crew entry door incorporates a conventional outside door handle, a key operated door lock, a conventional inside door handle, a pull knob to override key lock from inside, and a vent window that opens. The opposite crew entry door on right side is same as left crew door except it does not have vent window or key operated door lock. The right crew door has a manually operated inside door lock. To open either crew door from outside airplane, rotate handle down and forward to OPEN position. To close door from inside airplane, use conventional door handle and door pull. The inside door handle is a three position handle with OPEN, CLOSED, and LATCHED positions. Place handle in CLOSE position and pull door shut, then rotate handle forward to LATCHED position. When handle is rotated to latched position, an over center action will hold it in that position. To lock crew entry doors when leaving airplane, lock right crew door with manually operated door lock, close left crew door and using key, lock the door. To override left crew door from inside airplane, pull and rotate knob located above inside door handle. A folding step attached to floorboard inside left crew door opening, rotates out and unfolds to assist crew entry. The step folds and stows just inside left crew door when not in use.

2. Passenger Doors Description and Operation (Model 208 and 208B Passenger)

- A. The passenger entry door consists of an upper and lower section. When opened, the upper section swings upward and the lower section drops down, exposing steps for entry into the airplane. The upper door incorporates a conventional exterior door handle with a separate key operated lock, a pushbutton type exterior door release, and a conventional interior door handle. Two gas spring cylinders are utilized to lift upper door to full open position. The lower door utilizes a flush handle which is accessible from either inside or outside the airplane. This handle is designed so when the upper door is closed, the handle cannot be rotated to the open position. The lower door also utilizes door support cables and two gas spring cylinder dampeners. A cabin door open warning system is provided so if the upper is not completely latched, a red light, labeled DOOR WARNING, located on the annunciator panel, illuminates to alert the pilot.

WARNING: Outside proximity of lower door must be clear before opening.

- B. To enter the airplane through passenger entry door, depress exterior pushbutton door release, rotate exterior door handle on upper door section counterclockwise to open position, and raise upper door section to over center position. Following this action, the gas spring cylinders automatically raises door to full up position. After upper door section is open, release lower door section by pulling up on inside door handle and rotating to open position. Lower the door section until it is supported by door support cables. the door steps deploy automatically from their stowed position.
- C. To close passenger entry door from inside airplane, use support cables to pull lower door section up, then latch lower door section by rotating inside door handle forward to CLOSE position. Using pull strap, close upper door section and latch by rotating inside handle counterclockwise. Then snap handle into its locking receptacle.

WARNING: Outside proximity of lower door must be clear before opening.

- D. To exit airplane through passenger door, pull inside door handle on upper door section from its locking receptacle, and then rotate handle clockwise to vertical position. Push door outward to overcenter position, then gas spring cylinders will automatically raise the door to full up position. Next, rotate door handle on lower door section up and aft to OPEN position, and push door outward. The gas spring cylinder dampeners lower door to fully open position, and integral steps will deploy.
- E. To close passenger entry door from outside airplane, close and latch lower door section by rotating inside handle down and forward to CLOSE position. Then close upper door section and latch by rotating outside door handle clockwise to horizontal (LOCKED) position. Use key operated door lock to lock the door.