TEMPORARY REVISION NO. 34
To: EA500 POH and
FAA-Approved Airplane Flight Manual

CABIN DOOR LOCK HANDLE CHECK

This Temporary Revision affects the AFM Part Number 06-122204, Revision "04", dated July 23, 2012. DO NOT remove until directed to do so by a superseding Temporary or Regular revision, a Transmittal Letter, or a Service Bulletin. Record this TR insertion (or removal) on the Log of Temporary Revisions.

Insert this page behind LOTR-1.

06-122204-TR34

Signature: ANDREW P GARDOS Digitally signed by ANDREW P GARDOS Date: 2019.06.25 14:58:03 -05'00' Date: _____

Manager, Southwest Flight Test Section, AIR-713
Federal Aviation Administration
Ft.Worth, TX

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BEFORE STARTING

1. Ground Power Unit (If Required)..... Connect
2. Door ..... Closed, Five Green Flags, Lock Knob - No Stripes
3. Seat Belts, Shoulder Harnesses ..... Fasten
4. Seat Rail Stop Assembly..... Down / Locked
5. Mechanical AI (If Installed)..... Cage
6. Circuit Breakers (Arm Rest) ..... Set
7. Flight Controls ..... Free
8. OXYGEN Control ..... PULL ON
9. Passenger Mask ..... AUTO
10. OXYGEN Pressure ..... Check
11. ❶ Crew Mask ..... Check, Select 100%
12. Headrest..... Adjust for Crew Mask Access
13. AIR SOURCE Switch ..... As Required

NOTE

If OAT is warmer than 75°F (24°C), the Air Source Switch may be set to OFF before and during taxi to reduce air conditioning load.

14. R GEN Switch ..... AUTO or OFF (As required)
15. BUS TIE Switch..... AUTO
16. SYSTEM BATT Switch..... ON
17. L GEN Switch..... AUTO or OFF (As required)
18. ❶ ELT Switch ..... ARM
19. COM MIC Switch(es) ..... HEADSET
20. LEFT PFD & CNS1 Circuit Breaker ..... Set
21. LEFT ACS Circuit Breaker ..... Set
22. External Lights ..... As Required
23. GEAR ..... Three Green
24. Fuel Quantity..... Check
25. PARKING BRAKE ..... Set
26. ATIS, Clearance ..... Obtain
27. Altimeter ..... Set Current BARO
28. COM/NAV/XPDR/GPS (if installed)..... Set for Departure
29. Takeoff Data (V_R, V_{50}, Distance)..... Determine
30. Enter Takeoff Data (OPS Page):
    a. WEIGHT/BALANCE ..... Enter
    b. T/O TEMP, V_R, FLAP SEL (VSPEEDS ENG TEMP)..... Enter

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Section 7

DESCRIPTION AND OPERATION

GENERAL

This Section 1 of the *Airplane Flight Manual/Pilot's Operating Handbook* contains detailed information on the operation of the airplane and a technical description of each of the airplane systems.

AIRFRAME & CABIN

General

The Eclipse 550™ is a twin turbo-fan aircraft, powered by two Pratt & Whitney Canada PW610F-A engines. It is a five to six place low wing T-tail aircraft using conventional aircraft semi-monocoque structural elements joined together with both Friction Stir Welding (FSW) and mechanical fasteners. The primary aircraft structure is aluminum with limited use of composite materials in non-primary structural areas, such as the Radome, fairings and floor panels.

Cabin Door

The cabin door is located in the front left fuselage, immediately aft of the cockpit, and is 4 ft (1.2 m) high by 2 ft (0.6 m) wide. The clamshell design door is comprised of an upper door hinged at the top and lower door hinged at the bottom. The lower door has integral steps, which automatically deploy and retract as the door is opened or closed. A keyed lock is incorporated in the door handle to secure the aircraft while parked. A silicone seal, inflated by cabin pressure, surrounds the door opening and seals the door to allow the cabin to pressurize.

The door can be opened or closed from the inside or outside. The upper and the lower doors are secured by two latching pins. Two additional latching pins in the upper door pass through the lower door arms and secure into the fuselage. Door engagement is verified by visually checking five mechanical disks inside the upper door section (one disk on each pin and one on the handle mechanism). When the door is properly closed the five disks show green. A black and white hashed disk indicates that the respective pin is not properly secured. The interior lock knob and exterior PUSH button retract into the door automatically when the handle is closed. A visible black and white striped ring on the interior door lock knob indicates that the locking mechanism is not properly engaged.

To open door from the inside:

1. Pull the lock knob at the aft edge of door, inward and hold.
2. Rotate the handle up (clockwise) to the open/vertical position.
3. Push the upper door up to open.
4. Push the lower door down to open.

To open the door from the outside:

1. Push in on forward edge of the handle to access handle.
2. Press and hold the locking button aft of the handle.
3. Rotate the handle up (counterclockwise) to the open/vertical position.
4. Pull outward on the upper door to open.
5. Pull on the lower door to open.

To close the door from the inside:

1. Lift the lower door up to its closed position.
2. Pull the upper door down to its closed position.
3. Rotate the handle down (counterclockwise) to the closed/horizontal position.
4. Visually check for five green indications on the door.
5. Visually check that the lock knob striped ring is not visible. Push lock knob in if striped ring is visible.

To close the door from the outside:

1. Lift the lower door up to its closed position.
2. Pull the upper door down to its closed position.
3. Rotate the handle down (clockwise) to the closed/vertical position. Then rotate the handle up (counterclockwise) to the center/ horizontal position to stow the handle.
4. Visually check that the PUSH button is flush with the door surface.

NOTE

The Cabin Door is an emergency exit and must be accessible at all times.

Crew Alerting System Messages – Doors

Figure 1-1. Door CAS Messages

Message	Condition	Category
DOOR	Cabin Door is not properly locked and the left engine is running or the Parking Brake is not set.	Warning
DOOR	Cabin Door is open, the left engine is shut down and the parking brake is set.	Status

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