



## AIRCRAFT MAINTENANCE MANUAL

### COCKPIT DOOR LATCH - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to remove/install the cockpit door latch assembly.
- B. The cockpit door latch assembly is installed in the cockpit door at zone 231.
- C. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
25-27-17-000-801-A	COCKPIT DOOR LATCH ASSEMBLY - RE- ALL MOVAL	
25-27-17-400-801-A	COCKPIT DOOR LATCH ASSEMBLY - IN- ALL STALLATION	



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TASK 25-27-17-000-801-A

EFFECTIVITY: ALL

2. COCKPIT DOOR LATCH ASSEMBLY - REMOVAL

A. General

- (1) This task gives the procedures to remove the cockpit door latch assembly.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	5/64" Allen wrench	To remove the setscrew	

D. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Spatula or razor	To remove the sealant	1

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin

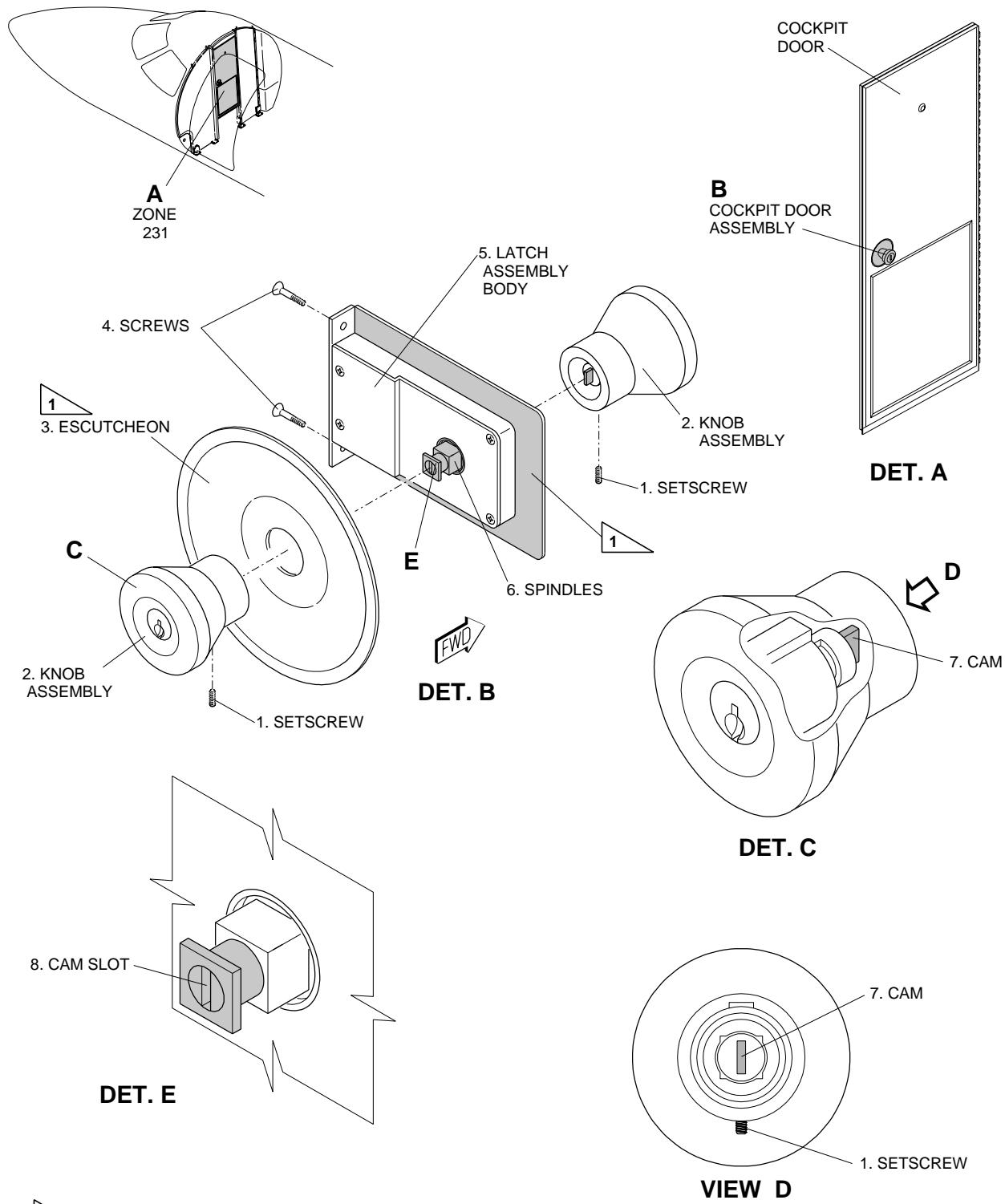
H. Removal ([Figure 401](#))

SUBTASK 020-002-A

- (1) Remove the cockpit door latch assembly as follows. Refer to DET. B, Figure 401.
- Use a 5/64" allen wrench to remove the setscrews (1).
  - Pull and remove the knob assemblies (2).
  - Use a spatula or razor to remove the sealant from the escutcheon (3).
  - Remove the escutcheon (3).
  - Use a spatula or razor to remove the sealant from the latch assembly body (5).
  - Remove the screws (4) that attach the latch assembly body (5).
  - Remove the latch assembly body (5) from the door panel.

**EFFECTIVITY: ALL**

Cockpit Door Latch Assembly-Removal/Installation  
Figure 401



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TASK 25-27-17-400-801-A

EFFECTIVITY: ALL

3. COCKPIT DOOR LATCH ASSEMBLY - INSTALLATION

A. General

- (1) This task gives the procedure to install the cockpit door latch assembly.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	5/64" Allen Wrench	To install the setscrew	

D. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Spatula or razor	To apply the sealant	1

E. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Commercially available	Thread-locking compound	AR
RTV157 (Gray)	Sealant silicone	AR

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin

H. Installation (Figure 401)

**SUBTASK 420-002-A**

- (1) Install the cockpit door latch assembly as follows:

- (a) Apply the sealant to the latch assembly body (5). Refer to DET. B, Figure 401.
- (b) Install the latch assembly body (5) to the door panel. Refer to DET. B, Figure 401.
- (c) Install the screws (4) that attach the latch assembly body (5). Refer to DET. B, Figure 401.

- (d) Clean the setscrews (1) and remove residual grease from it. Apply a small amount of thread-locking compound to the setscrews. Refer to DET. B, Figure 401.
- (e) Use a 5/64" allen wrench to tighten the setscrews (1) into the knob assemblies (2). Let 1-2 threads exposed. Refer to DET. B, Figure 401.
- (f) Set the cam (7) inside the knobs in the vertical position, parallel to setscrew axis. Refer to DET. C, Figure 401.
- (g) Set the cam slots (8), in the spindles (6), in the vertical position. Refer to DET. B and DET. E, Figure 401.
- (h) Apply the sealant to the escutcheon (3). Refer to DET. B, Figure 401.
- (i) Install the escutcheon (3) to the door panel. Refer to DET. B, Figure 401.
- (j) Connect the knob assemblies (2) to the spindles (6). Refer to DET. B, Figure 401.
- (k) Insert the key and slightly rotate it in either direction to ensure the correct engagement.
- (l) Carefully, but firmly, press the knob assemblies (2) to their stops. Refer to DET. B, Figure 401.

NOTE: The passenger knob assembly (2) should stop with a small gap between it and the escutcheon (3). Because of slight variations in the doors, this gap does not always exist.

- (m) Tighten the setscrews (1) until they are approximately flush with the diameter of the knob assemblies (2) neck. Refer to DET. B, Figure 401.

NOTE: Make sure that the knob assemblies (2) are correctly attached to the spindles (6) and the key is functional.

CAUTION: IN THE NEXT STEP DO NOT TIGHTEN THE SETSCREWS (1) TOO MUCH. THIS CAN CAUSE DAMAGE TO INTERNAL COMPONENTS AND MAKE THE LOCK INOPERATIVE.

- (n) Tighten the setscrews (1) 3/4 to 1 additional full turn to a sub-flush condition. Refer to DET. B, Figure 401.
- (o) Use a spatula or razor to remove all excess of sealant.
- (p) Do an operational check of the latch (thumb turn included).

