

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- MOVAL	ALL
25-27-17-400-801-A	COCKPIT DOOR LATCH ASSEMBLY - IN- STALLATION	ALL

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](#))

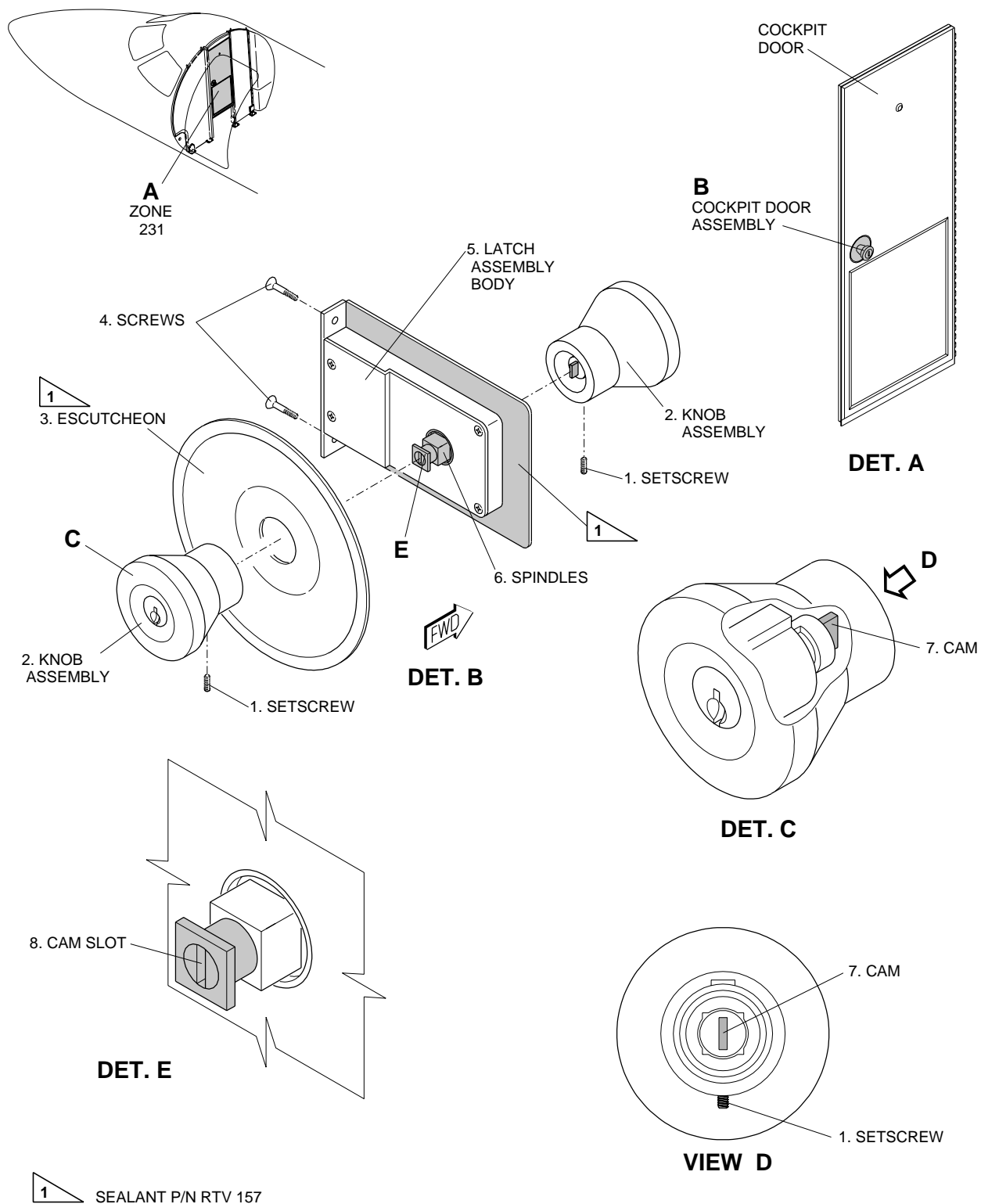
SUBTASK 020-002-A

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

EFFECTIVITY: ALL

Cockpit Door Latch Assembly-Removal/Installation

Figure 401



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).

