



AIRCRAFT
MAINTENANCE MANUAL

LOCK OF SERVICE-DOOR LOCKING MECHANISM - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the lock of the service door locking mechanism.
- B. These procedures are applicable to the two locks of the service door.
- 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
52-43-06-000-801-A	LOCK OF SERVICE DOOR LOCKING MECHANISM - REMOVAL	ALL
52-43-06-400-801-A	LOCK OF SERVICE DOOR LOCKING MECHANISM - INSTALLATION	ALL



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TASK 52-43-06-000-801-A

EFFECTIVITY: ALL

2. LOCK OF SERVICE DOOR LOCKING MECHANISM - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the lock of the locking mechanism of the service door.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-45-00/100	- COMPONENT LOCATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
821		Service door

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the service door	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
TT-M-261	Methyl-ethyl-ketone (MEK)	AR
MEP 09-060	Non-Chromate Corrosion-Inhibiting Compound (CA-1000-NC)	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Service door
1	Helps the other technician	Service door

I. Preparation

SUBTASK 841-002-A

- (1) Open the service door.



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- (2) Remove lining panels 821AW, 821BW, and 821CW ([AMM MPP 06-45-00/100](#)).

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

SUBTASK 020-002-A

- (1) Cut and remove the tie down straps (1) (2 positions) or (2) (5 positions), as applicable.
- (2) Remove the cotter pin (21), washer (22) and straight pin (17) to disconnect the cable (19) from the bellcrank (16).
- (3) Loosen the nut (20) to release the cable (19).
- (4) Remove the cable (19) from the support (18).
- (5) Remove the nuts (10) and the screws (5) (2 positions), and release the microswitch (7).
- (6) Remove the nut (13), washer (14), and bolt (3) and remove the clamp (15) from the end of the torque tube (11).
- (7) Remove the nuts (23) and (26), washers (24) and (27), and bolts (25) and (28) and remove the torque tube (29).
- (8) Slide to the right the torque tube (11).
- (9) Remove the nuts (9), washers (8), and bolts (4) (2 positions) that attach the lock (12) to the support (6).
- (10) Remove the lock (12).
- (11) If necessary do a replacement of the bushings of the cover box and lock box (SUBTASK 52-43-06-020-002-A00).

K. Replacement of the Bushings of the Lock Box and Box Cover ([Figure 402](#))

SUBTASK 020-003-A

CAUTION: DO NOT USE SHARP-EDGED TOOLS SO AS NOT DAMAGE THE HOLES OF THE LOCK BOX AND BOX COVER. HANDLE PARTS AND TOOLS, CAREFULLY.

- (1) Examine the bushings of the lock box and box cover and ensure conditions of assembly, surface finishing, and alignment of the bushings of the box cover and the bushings of the lock box.
- (2) Remove the box cover.
- (3) Disassemble the components of the box cover.
- (4) Remove the bushing with a pinpunch. Be careful not to cause damage to the holes.
- (5) Clean the bushing housing in the lock box and box cover with methyl-ethyl-ketone (MEK).
- (6) Apply corrosion-inhibiting sealant (CA-1000-NC) to the hole soon before the assembly.
- (7) Install the bushings (1) and (2) with a hand-operated forming press.



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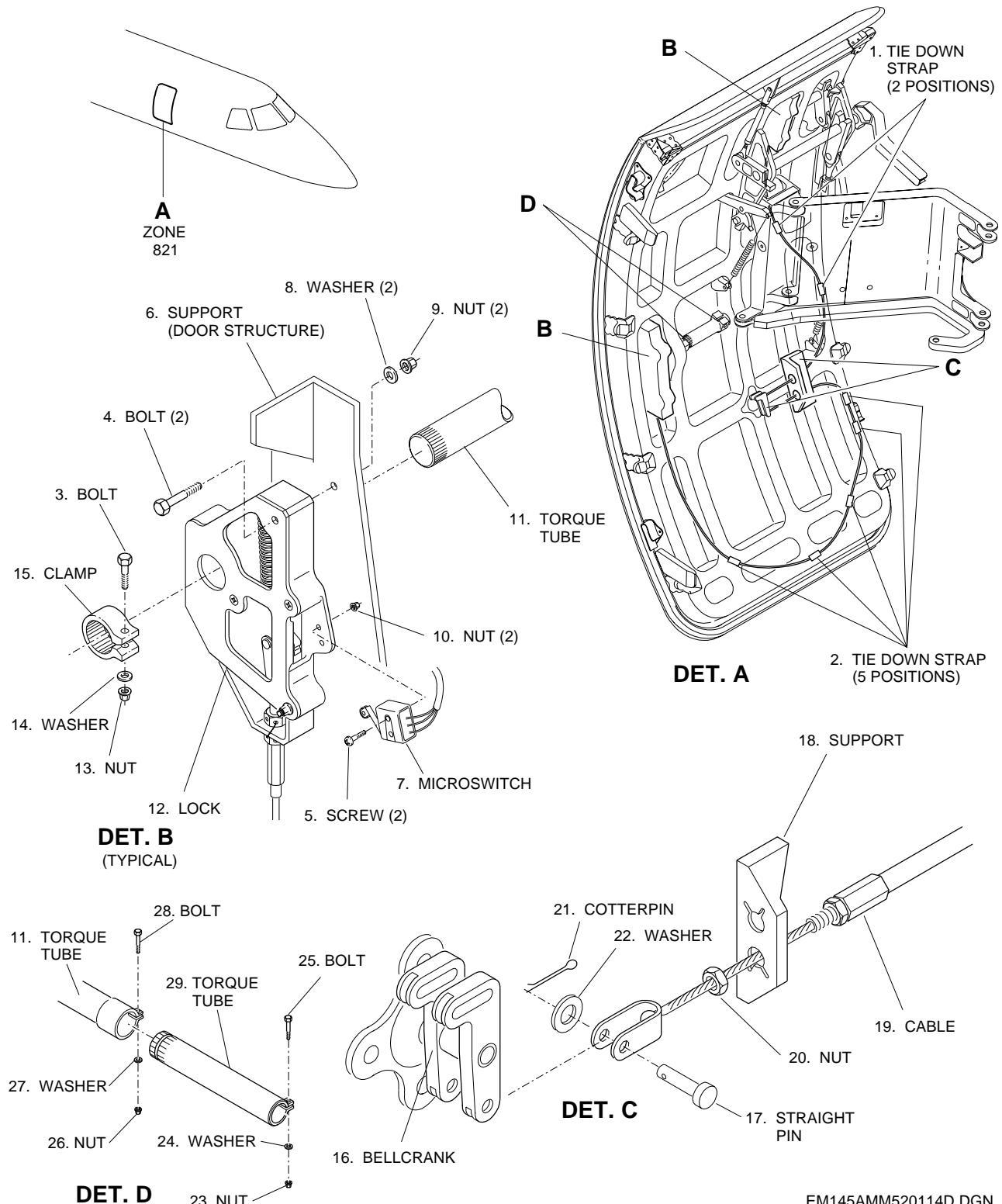
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- (8) Remove the excess sealant.
- (9) Make sure that the bushing flange is correctly seated.
- (10) Assemble the components of the lock box.

EFFECTIVITY: ALL

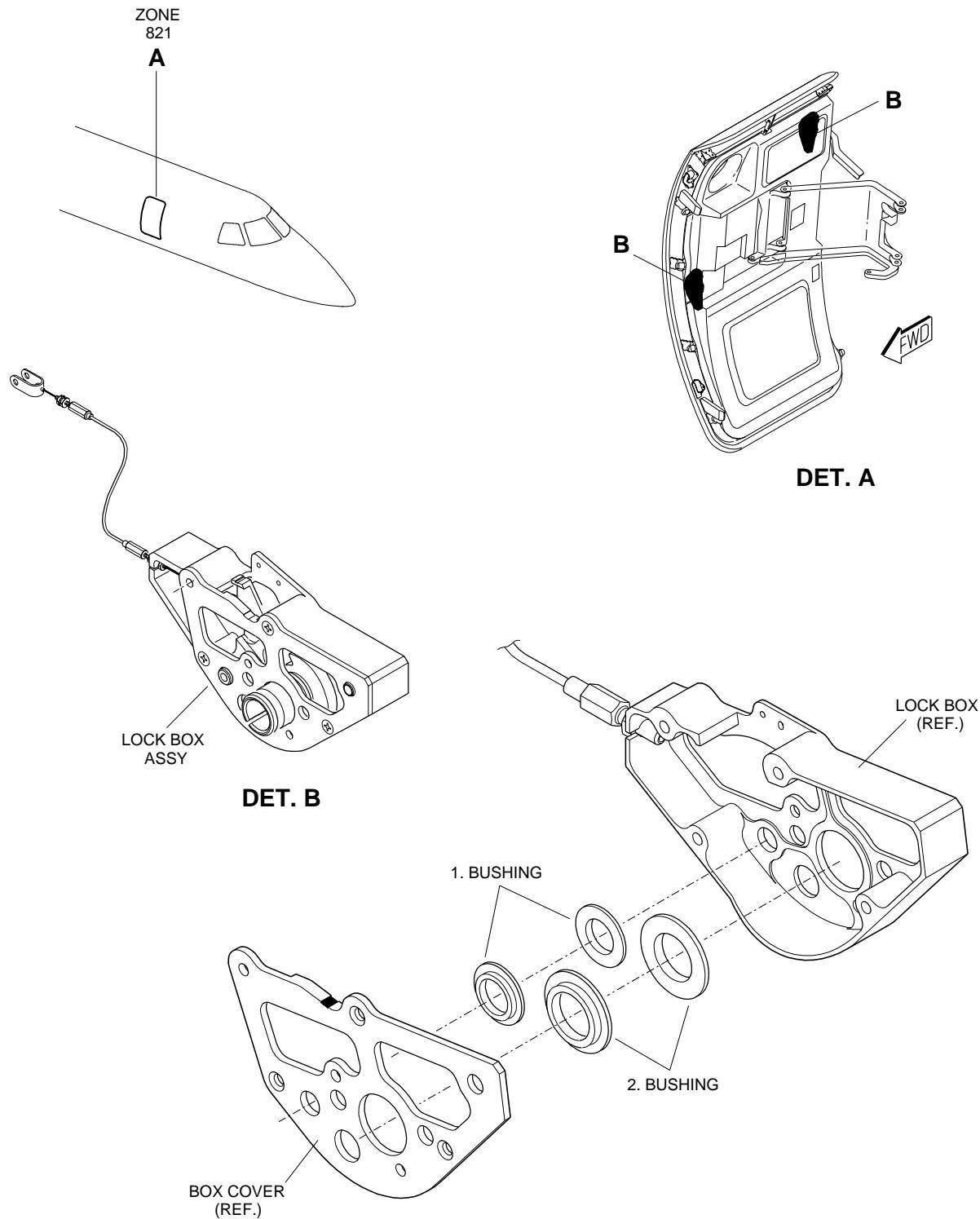
Actuating and Locking Mechanism - Removal/Installation

Figure 401

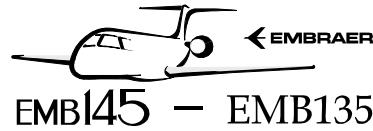


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EFFECTIVITY: ALL

 Replacement the Bushings of the Lock Box and Box Cover
 Figure 402


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TASK 52-43-06-400-801-A

EFFECTIVITY: ALL

3. LOCK OF SERVICE DOOR LOCKING MECHANISM - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the lock of the locking mechanism of the service door.

B. References

REFERENCE	DESIGNATION
52-43-00	-
AMM MPP 06-45-00/100	- COMPONENT LOCATION
AMM TASK 52-43-06-700-801-A/500	SERVICE-DOOR ACTUATING AND LOCKING MECHANISM - FUNCTIONAL CHECK

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
821		Service door

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the service door	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Cotter pin	52-43-00	AR

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Service door
1	Helps the other technician	Service door

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the lock (12) and the support (6) at the door structure.

- (2) Install the bolts (4), washers (8), and nuts (9) (2 positions) to attach the lock (12) to the support (6).
- (3) Slide to the left the torque tube (11) on the assembly of the lock (12) and the support (6).
- (4) Join the torque tube (29) at the torque tube (11) and install the bolts (25) and (28), washers (24) and (27), nuts (23) and (26).
- (5) Put the clamp (15) on the end of the torque tube (11).
- (6) Install the bolt (3), washer (14), and nut (13) to attach the clamp (15).
- (7) Put the cable (19) in the support (18).
- (8) Put the end of the cable (19) on the bellcrank (16).
- (9) Install the straight pin (17), washer (22), and cotter pin (21) to connect the end of the cable (19) to the bellcrank (16).
- (10) Put the cable (19) on the door structure and attach it with the tie down straps (1) (2 positions) or (2) (5 positions), as applicable.
- (11) Put the microswitch (7) on the lock (12).
- (12) Install the screws (5) and nuts (10) (2 positions) to attach the microswitch (7) to the lock (12).

J. Follow-on

SUBTASK 842-002-A

- (1) Do an operational check of the locking mechanism of the service door ([AMM TASK 52-43-06-700-801-A/500](#)).
- (2) Install lining panels 821AW, 821BW, and 821CW ([AMM MPP 06-45-00/100](#)).
- (3) Close the service door.