



AIRCRAFT MAINTENANCE MANUAL

SERVICE DOOR CONNECTION CABLES - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to adjust the cables of the service door mechanisms.
- B. These procedures are applicable to the two lock boxes and to the internal handle 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
52-43-09-820-801-A	SERVICE DOOR CABLES - ADJUSTMENT	ALL



AIRCRAFT MAINTENANCE MANUAL

TASK 52-43-09-820-801-A

EFFECTIVITY: ALL

2. SERVICE DOOR CABLES - ADJUSTMENT

A. General

- (1) This task gives the procedures to adjust the cables of the lock boxes and the cables of the internal handle of the service door.

B. References

REFERENCE	DESIGNATION
AMM SDS 52-43-00/1	
AMM TASK 25-23-05-000-801-A/400	SERVICE DOOR LINING PANELS - REMOVAL
AMM TASK 25-23-05-400-801-A/400	SERVICE DOOR LINING PANELS - INSTALLATION
TASK 52-43-09-600-801-A	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
821		Service door

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	6,35 mm and 4,75 mm (1/4" and 3/16") in diameters and 100 mm (4") in length Rig Pins	Rigging of the mechanisms	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C32	Lockwire	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Service door



I. Preparation

SUBTASK 841-002-A

- (1) NOTE: Do not open the door fully. Only put it out of its frame.
Open the service door ([AMM SDS 52-43-00/1](#)).
- (2) Remove the service door lining panels ([AMM TASK 25-23-05-000-801-A/400](#)).
- (3) Make sure that all lock boxes, cables, and handles are installed.

J. Adjustment ([Figure 501](#))

SUBTASK 820-002-A

- (1) Put the rig pin (17) in the guide cam (18).
- (2) Put the ring pin (12) in the bellcrank assembly of the mixer (13).
CAUTION: FOR DOORS EQUIPPED WITH PROTECTIVE BOOT, BE CAREFUL NOT TO CAUSE DAMAGE TO THE BOOTS WHEN YOU HANDLE THEM.
- (3) Cut the lockwire (11) and loosen the nut (9) and jam nut (10).
- (4) Extend the cables (1) of the lock boxes (4). For this, move the cable adjustment terminal (8) until the lock device (3) starts to move.
- (5) NOTE: Make sure that the red marks (2) of the lock boxes (4) are aligned.
Tighten the lock box cable nut (9) and jam nut (10).
- (6) After the adjustment of the cables, install the lockwire (11) to safety the nuts.
NOTE: The two lock box cables can be adjusted at the same time or individually. The same procedure must be done for the two lock box cables.
- (7) Adjust the internal handle cable (16). For this, cut the lockwire (11), loosen the nut (5) and jam nut (6), and move the cable adjustment terminal (7) until the bellcrank roller (15) touches the internal handle strip (14).
- (8) Tighten the internal handle cable nut (5) and jam nut (6).
- (9) After the adjustment of the cables, install the lockwire (11) to safety the nuts.
NOTE: All cables must be extended but not tightened.

K. Follow-on

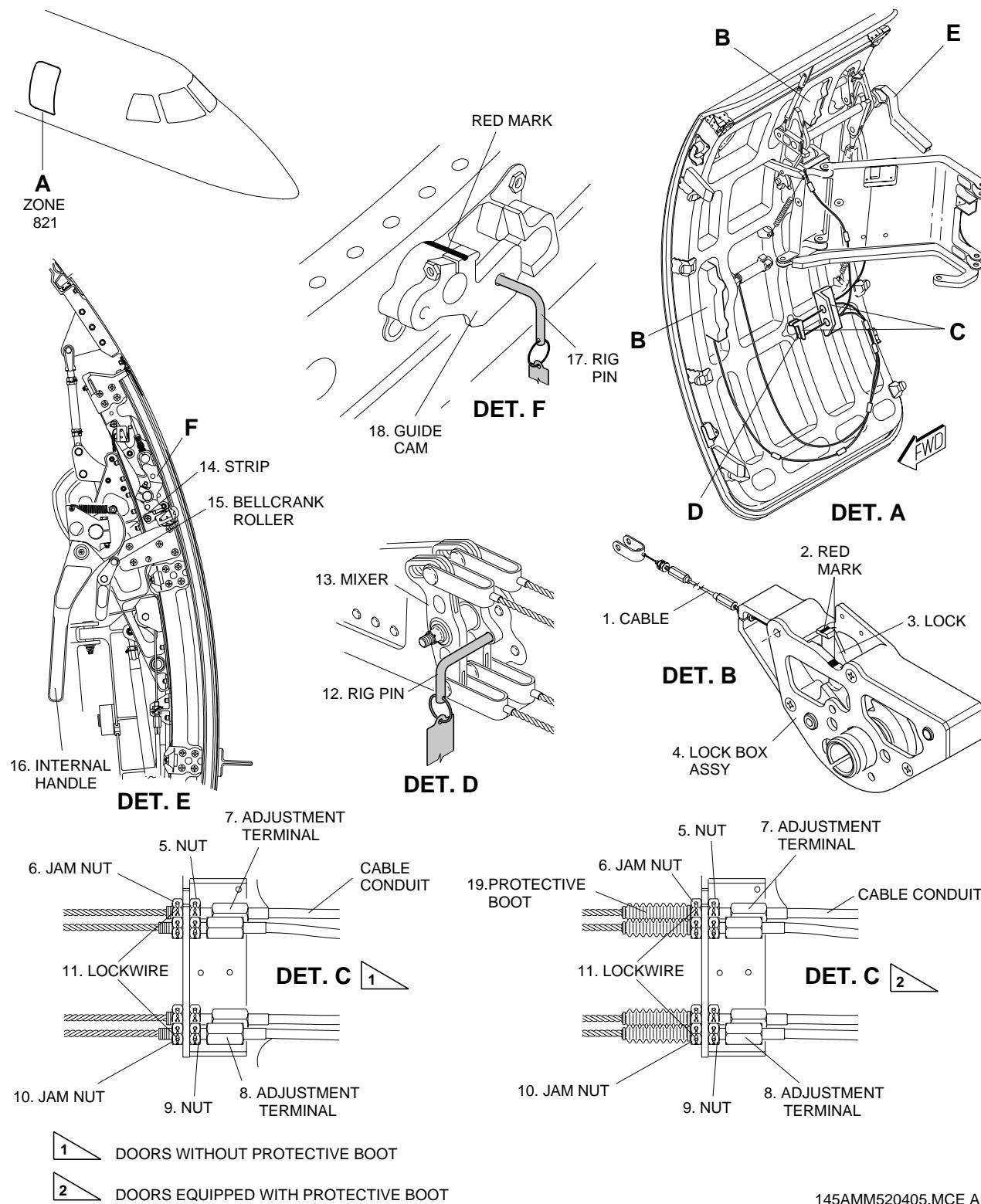
SUBTASK 842-002-A

- (1) For doors equipped with protective boot (19), lubricate the cables of the lock boxes and the cables of the internal handle (TASK 52-43-09-600-801-A).
- (2) Remove the rig pin (17) from the guide cam (18) and the rig pin (12) from the bellcrank assembly of the mixer (13).
- (3) Install the service door lining panels ([AMM TASK 25-23-05-400-801-A/400](#)).
- (4) Close the service door ([AMM SDS 52-43-00/1](#)).

EFFECTIVITY: ALL

Service Door Cables - Adjustment

Figure 501



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