



AIRCRAFT MAINTENANCE MANUAL

SERVICE DOOR - SERVICING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to lubricate the actuating cam and the connecting cables of the service door.
- B. 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
52-43-00-600-801-A ♦	SERVICE-DOOR ACTUATING AND LOCK- ALL ING MECHANISM - LUBRICATION	

TASK 52-43-00-600-801-A
EFFECTIVITY: ALL
2. SERVICE-DOOR ACTUATING AND LOCKING MECHANISM - LUBRICATION
A. General

- (1) The function of this procedure is to make sure that the door internal mechanism will operate correctly and the door will move freely. This makes the opening/closing operations easier.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
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
AMM TASK 52-43-09-000-801-A/400	SERVICE DOOR CABLES - REMOVAL
AMM TASK 52-43-09-400-801-A/400	SERVICE DOOR CABLES - INSTALLATION

C. Zones and Accesses

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
821		Service Door

D. Tools and Equipment

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Commercially available	Workstand	To get access to the service door	

E. Auxiliary Items

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Commercially available	Brush	To lubricate the service door	AR

F. Consumable Materials

<i>SPECIFICATION (BRAND)</i>	<i>DESCRIPTION</i>	<i>QTY</i>
Mobil SHC 100	Mobil grease SHC 100	AR
MIL-G-23827	Aeroshell grease 7	AR
MIL-PRF-81309	Lubrication Oil LPS-1	AR
MS3367-4-9	Tiedown strap	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	On the service door

I. Preparation
SUBTASK 841-002-A

CAUTION: DO NOT OPEN THE DOOR FULLY. ONLY PUT IT OUT OF ITS FRAME.

- (1) 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](#)).

J. Lubricate Service-Door Actuating and Locking Mechanism
SUBTASK 640-002-A

- (1) Lubrication of the service-door actuating cam ([Figure 301](#)).

CAUTION: DO NOT APPLY LUBRICANTS OR EQUIVALENT PRODUCTS TO THE INTERFACE BETWEEN THE DOOR AND THE FUSELAGE.

- (a) Lubricate the actuating cam with Aeroshell grease 7.
- (2) Lubrication of the service-door connecting cables ([Figure 302](#)).
 - (a) For connecting cables without protective boots, do as follows ([Figure 302](#)):
 - 1 Remove the internal/external handle and lock box cables ([AMM TASK 52-43-09-000-801-A/400](#)).
 - 2 Clean the internal/external handle and lock box cables, and their conduits, with dry compressed air.
 - 3 Apply LPS-1 or similar lubricant into the conduits of the internal/external handle and lock box cables, and make sure that it goes into them fully.
 - 4 Install the internal/external handle and lock box cables ([AMM TASK 52-43-09-400-801-A/400](#)).

- (b) For connecting cables with protective boots, do as follows ([Figure 303](#)):

CAUTION: BE CAREFUL TO PREVENT DAMAGE TO THE PROTECTIVE BOOT.

- 1 Loosen the tiedown straps (1) (8 positions) of the protective boots (2) (8 positions) installed on the mixer connecting cables (3), lock connecting cables (4), internal-handle connecting cable (5), and external-handle connecting cable (6) (refer to details B, C, D, and E).
- 2 With a syringe, fully fill the protective boots (2) (8 positions) (refer to details B, C, D, and E) with Mobil grease SHC 100 through the free end of the protective boot.



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

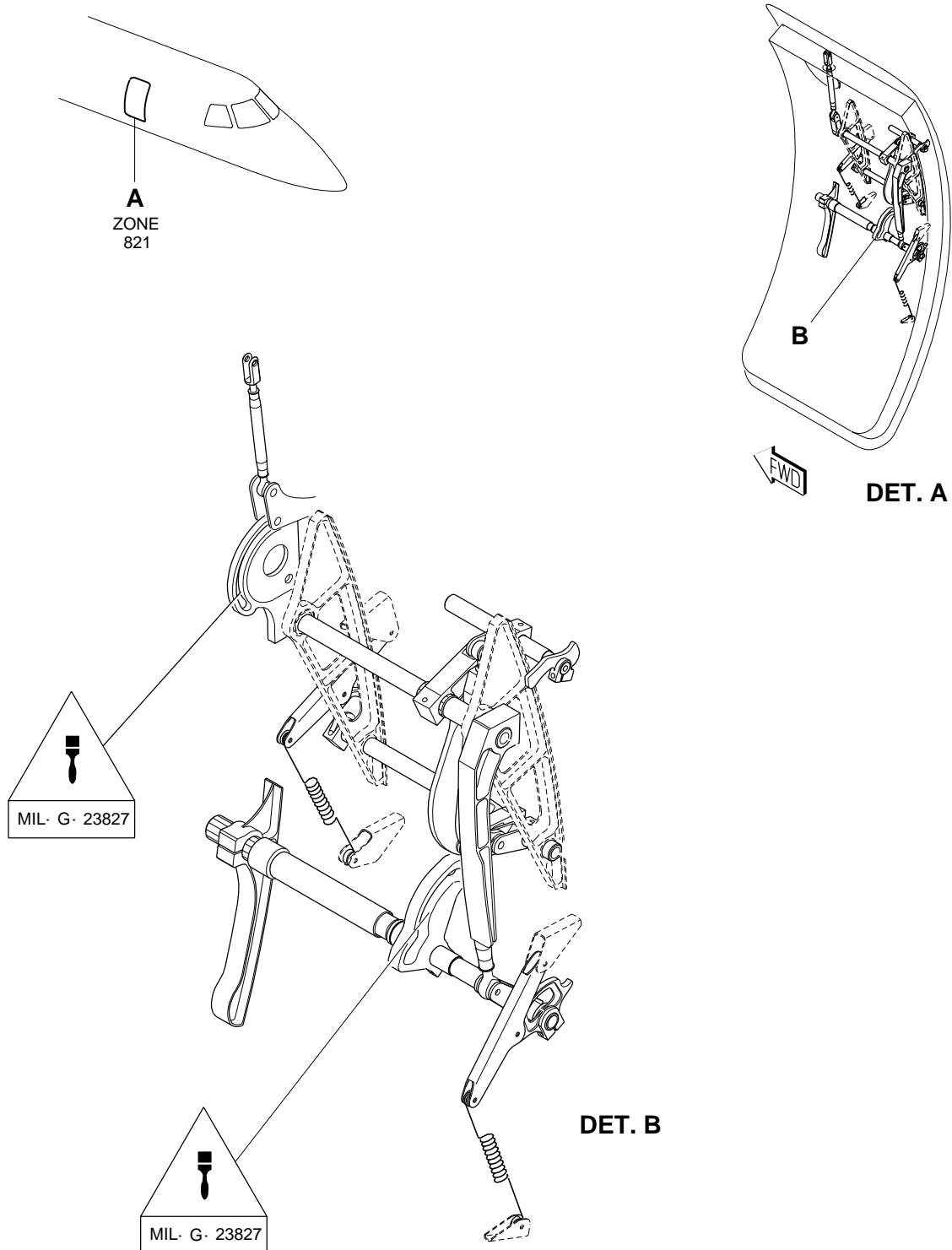
- 3 Attach new tiedown straps (1) (8 positions) to the protective boots (2) (8 positions) (refer to details B, C, D, and E).

K. Follow-on

SUBTASK 842-002-A

- (1) Install the service-door lining panels ([AMM TASK 25-23-05-400-801-A/400](#)).
- (2) Close the service door ([AMM SDS 52-43-00/1](#)).

EFFECTIVITY: ALL
 Service Door - Lubrication
 Figure 301

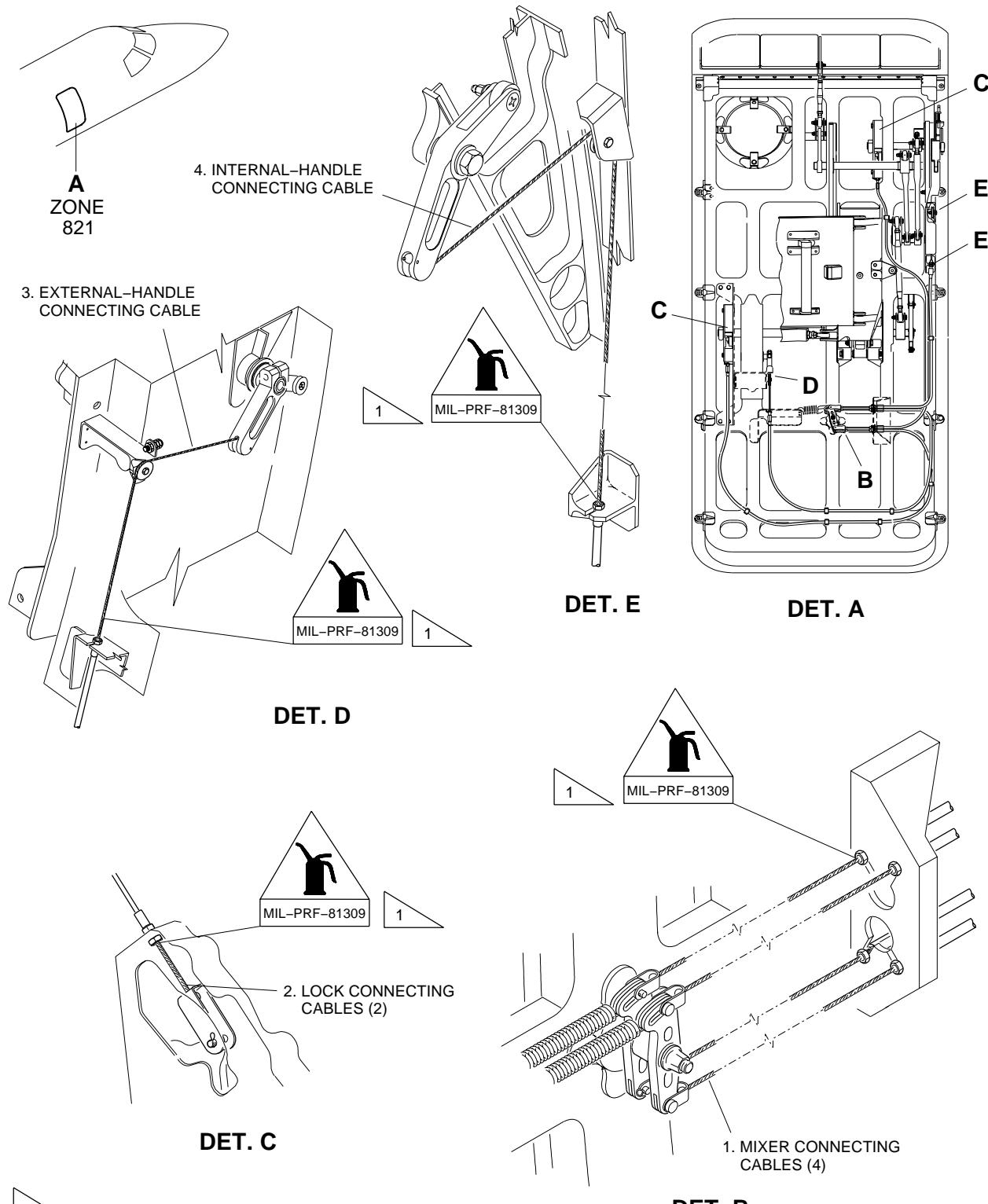


145AMM520103.MCE A

EFFECTIVITY: DOOR CONNECTING CABLE WITHOUT PROTECTIVE BOOTS

Service Door Cables - Lubrication

Figure 302



LUBRICATE THE CONDUIT WITH MIL-PRF-81309.

DET. B

EM145AMM520643B.DGN

EFFECTIVITY: DOOR CONNECTING CABLE WITH PROTECTIVE BOOTS

Service Door Cables - Lubrication

Figure 303

