

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- ING MECHANISM - LUBRICATION	ALL

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

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
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

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

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Brush	To lubricate the service door	AR

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
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.

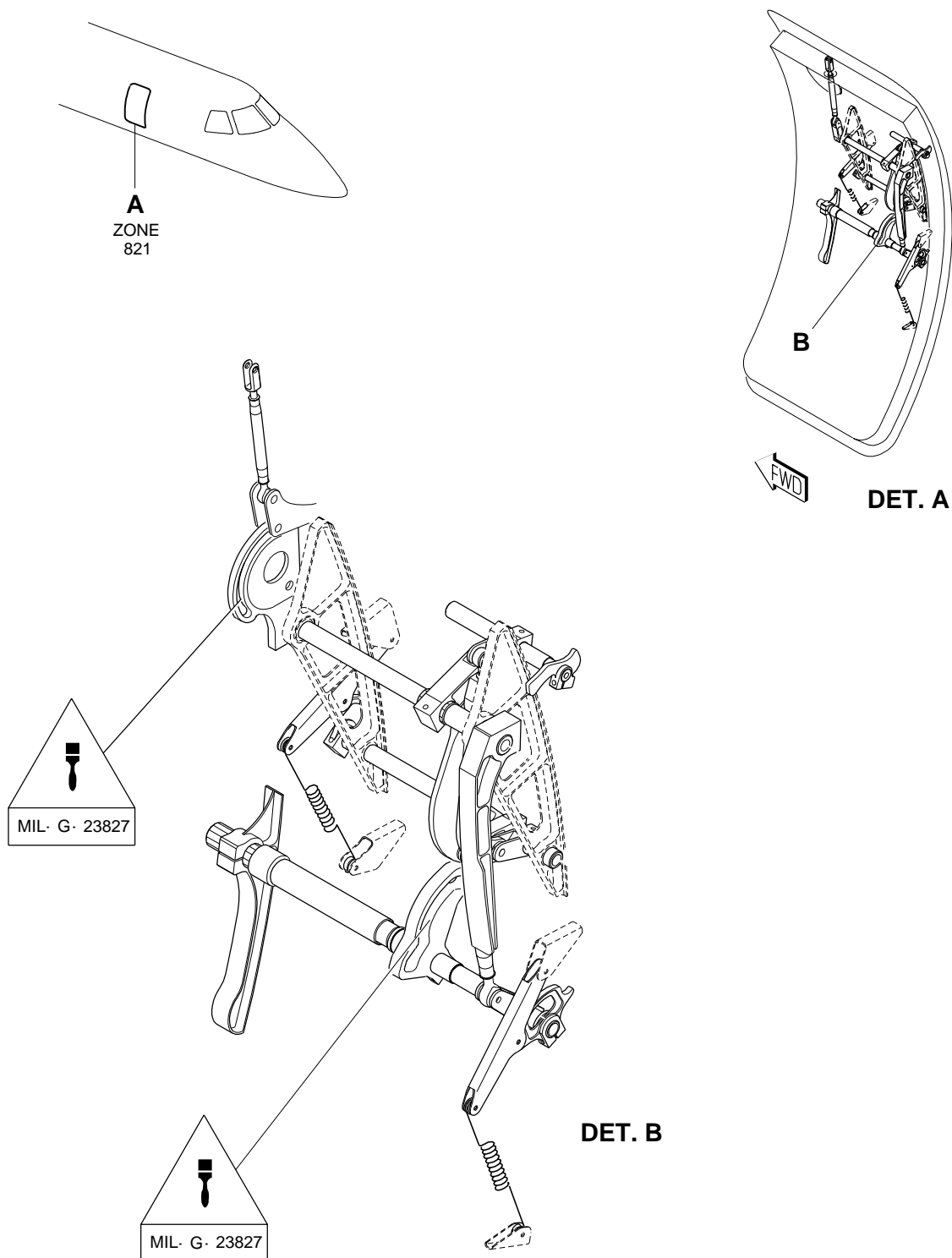
- 3 Attach new tiedown straps (1) (8 positions) to the protective boots (2) (8 positions) (refer to details B, C, D, and E).

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



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Figure 302



EFFECTIVITY: DOOR CONNECTING CABLE WITH PROTECTIVE BOOTS

Service Door Cables - Lubrication

Figure 303

