



AIRCRAFT MAINTENANCE MANUAL

SIDE-HINGED MAIN-DOOR EXTERNAL ACTUATING HANDLE - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH SIDE-HINGED MAIN DOOR

1. General

- A. This section gives the procedures to remove and install the external actuating handle of the side-hinged main 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
52-18-07-000-801-A	SIDE-HINGED MAIN-DOOR EXTERNAL ACTUATING HANDLE - REMOVAL	AIRCRAFT WITH SIDE-HINGED MAIN DOOR
52-18-07-400-801-A	SIDE-HINGED MAIN-DOOR EXTERNAL ACTUATING HANDLE - INSTALLATION	AIRCRAFT WITH SIDE-HINGED MAIN DOOR



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TASK 52-18-07-000-801-A

EFFECTIVITY: AIRCRAFT WITH SIDE-HINGED MAIN DOOR

2. SIDE-HINGED MAIN-DOOR EXTERNAL ACTUATING HANDLE - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the external actuating handle of the side-hinged main door.

B. References

REFERENCE	DESIGNATION
AMM TASK 25-23-04-000-801-A/400	MAIN-DOOR LINING PANEL - REMOVAL
AMM TASK 52-18-01-000-801-A/400	SIDE-HINGED MAIN-DOOR ACTUATING CAM - REMOVAL

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the side-hinged main door	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

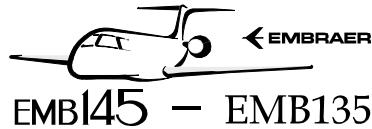
H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Side-hinged main door

I. Preparation

SUBTASK 841-002-A

- (1) Open the side-hinged main door.
- (2) Remove the lining panel of the side-hinged main door ([AMM TASK 25-23-04-000-801-A/400](#)).
- (3) Put and keep the internal actuating handle in the closed position.



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

SUBTASK 020-002-A

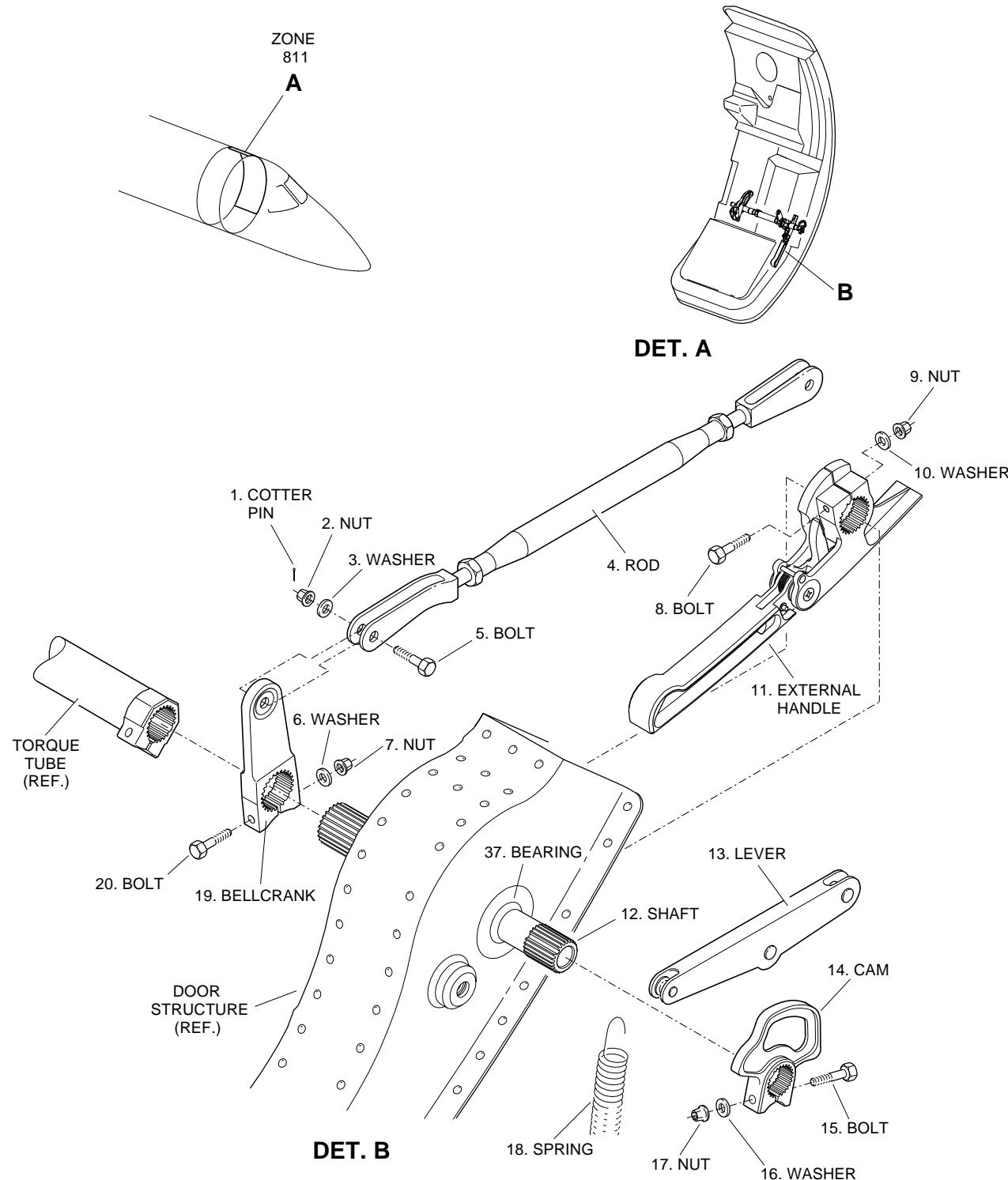
CAUTION: DO NOT MOVE THE INTERNAL ACTUATING HANDLE AND DO NOT CHANGE THE ADJUSTMENT OF THE END ROD WHILE YOU PERFORM THIS TASK. REFER TO SHEET 1 FIGURE 401.

- (1) Remove the torque tube. Refer to [AMM TASK 52-18-01-000-801-A/400](#).
- (2) Remove the cotter pin (1), nut (2), washer (3), and bolt (5) to disconnect the rod (4) from the bellcrank (19).
- (3) Remove the nut (7), washer (6), and bolt (20) from the bellcrank (19).
- (4) Remove the bellcrank (19) from the shaft (12).
- (5) Remove the spring (18) from the lever (13).
- (6) Remove the nut (17), washer (16), and bolt (15), and then remove the cam (14).
- (7) From the external side of the aircraft, remove the nut (9), washer (10), and bolt (8) from the external handle (11).
- (8) Remove the external handle.
- (9) If necessary, disassemble the external handle as follows (refer to sheet 2):
 - (a) Slowly remove the nut (24), bushing (35), and screw (34) to disconnect the spring (33) and external handle stop (21) from the external handle (29).
 - (b) If applicable, remove the cotter pin (27), washer (28), and pin (30) from the external handle (29).
 - (c) If necessary, remove the shims (25) and (32), and bushings (26) and (31) from the external handle (29).
 - (d) If necessary, remove the bushings (22) and (36) from the external handle stop (21).
- (10) If you will replace the bearing (37), use a puller to remove the old one.

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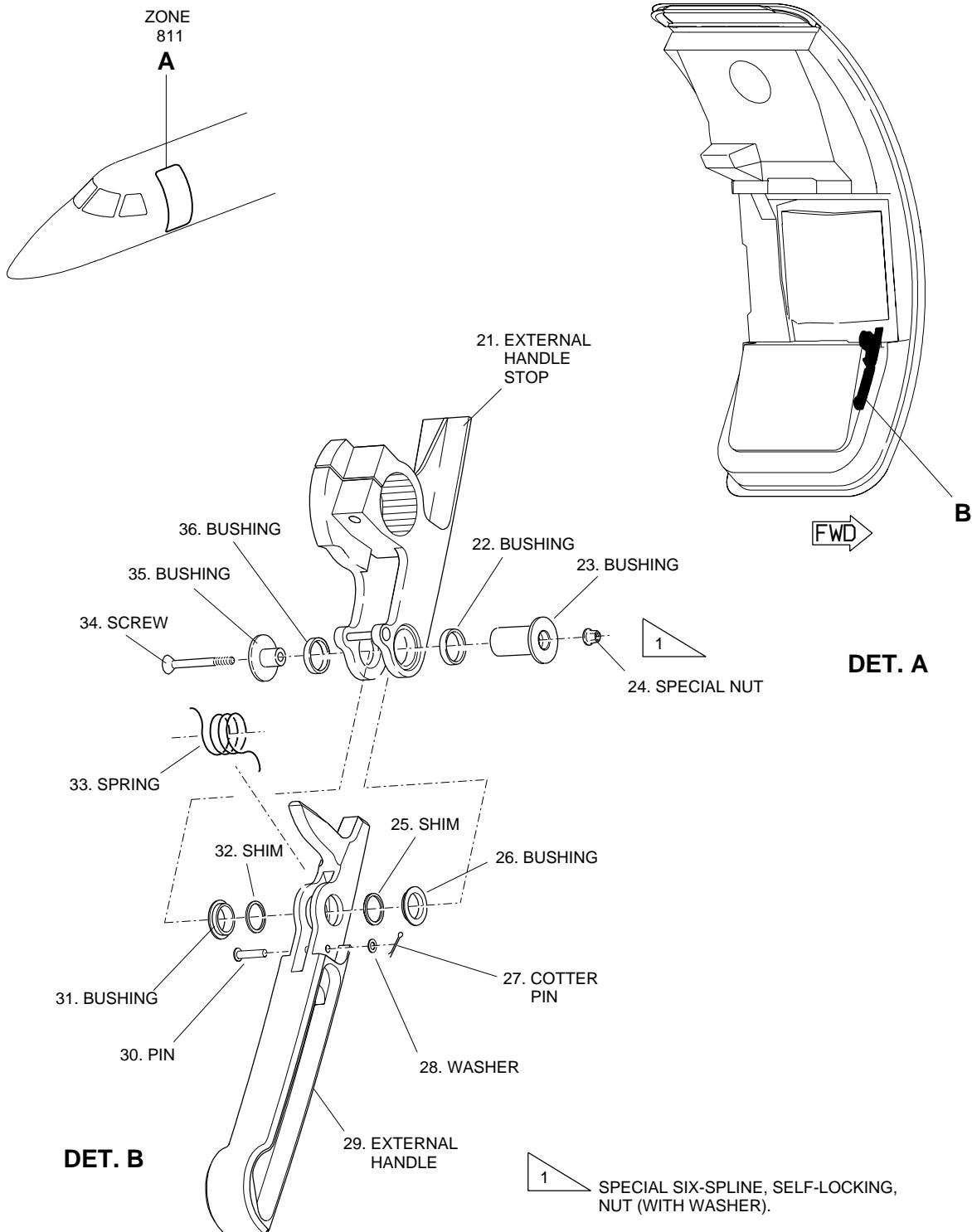
External Actuating Handle - Removal/Installation

Figure 401 - Sheet 1



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EFFECTIVITY: AIRCRAFT WITH SIDE-HINGED MAIN DOOR
External Actuating Handle - Removal/Installation
Figure 401 - Sheet 2



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TASK 52-18-07-400-801-A
EFFECTIVITY: AIRCRAFT WITH SIDE-HINGED MAIN DOOR
3. SIDE-HINGED MAIN-DOOR EXTERNAL ACTUATING HANDLE - INSTALLATION
A. General

- (1) This procedure gives the instructions to install the external actuating handle of the side-hinged main door.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM SDS 52-18-00/1	
AMM TASK 25-23-04-400-801-A/400	MAIN-DOOR LINING PANEL - INSTALLATION
AMM TASK 52-18-00-820-801-A/500	MAIN-DOOR INTERNAL ACTUATING HANDLE - TEST
AMM TASK 52-18-01-400-801-A/400	SIDE-HINGED MAIN-DOOR ACTUATING CAM - INSTALLATION
IPC 52-11-00	MAIN DOOR - ACTUATING AND LOCKING MECHANISM
SRM 51-20-01	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Commercially available	Workstand	To get access to the side-hinged main door	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expendable Parts

<i>ITEM</i>	<i>IPC REFERENCE (VENDOR REFERENCE)</i>	<i>QTY</i>
Cotter pin	IPC 52-11-00	2

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Side-hinged main door



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I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) If necessary, install a new bearing (37) wet with sealant P/S870C-12 (SRM 51-20-01) and with a hand-operated press.

CAUTION: DO NOT MOVE THE INTERNAL ACTUATING HANDLE AND DO NOT CHANGE THE ADJUSTMENT OF THE END ROD WHILE YOU PERFORM THIS TASK. REFER TO SHEET 1 FIGURE 401.

- (2) Put the external handle on the shaft of the external handle.
- (3) Install the bolt (8), washer (10), and nut (9) to attach the external handle.
- (4) Install the torque tube. Refer to [AMM TASK 52-18-01-400-801-A/400](#).
- (5) If the external handle was disassembled, assemble it again as follows (refer to sheet 2):
 - (a) Put the external handle stop (21) on the external handle (29).
 - (b) Put the spring (33) between the external handle stop (21) and external handle (29).
 - (c) Install the screw (34), bushings (35) and (23), and nut (24) to attach the external handle (29) and external handle stop (21).
- (6) Put the cam (14) on the shaft (12).
- (7) Install the nut (17), washer (16), and bolt (15) to attach the cam (14) to the shaft (12).
- (8) Put the spring (18) on the lever (13) and connect the lever to the support of the door structure.
- (9) Put the bellcrank (19) on the shaft (12).
- (10) Install the nut (7), washer (6), and bolt (20) to attach the bellcrank (19) to the shaft (12).
- (11) Put the rod (4) on the bellcrank (19).
- (12) Install the bolt (5), washer (3), nut (2), and cotter pin (1) to connect the rod (4) and bellcrank (19).

J. Follow-on

SUBTASK 842-002-A

- (1) Do an operational check of the main door ([AMM TASK 52-18-00-820-801-A/500](#)).
- (2) Install the lining panels of the side-hinged main door ([AMM TASK 25-23-04-400-801-A/400](#)).
- (3) Close the main door ([AMM SDS 52-18-00/1](#)).

