



AIRCRAFT MAINTENANCE MANUAL

MAIN-DOOR FRAME ROLLERS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the main-door frame roller support and main-door frame roller.
- 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
53-21-02-000-801-A	MAIN-DOOR FRAME ROLLER SUPPORT - ALL REMOVAL	
53-21-02-400-801-A	MAIN-DOOR FRAME ROLLER SUPPORT - ALL INSTALLATION	
53-21-02-000-802-A	MAIN-DOOR FRAME ROLLER - REMOVAL	ALL
53-21-02-400-802-A	MAIN-DOOR FRAME ROLLER - INSTAL- LATION	ALL



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TASK 53-21-02-000-801-A

EFFECTIVITY: ALL

2. MAIN-DOOR FRAME ROLLER SUPPORT - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the main-door frame roller support.

B. References

REFERENCE	DESIGNATION
AMM SDS 52-10-00/1	
AMM SDS 52-18-00/1	

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

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	On the main-door frame roller support

I. Preparation

SUBTASK 841-002-A

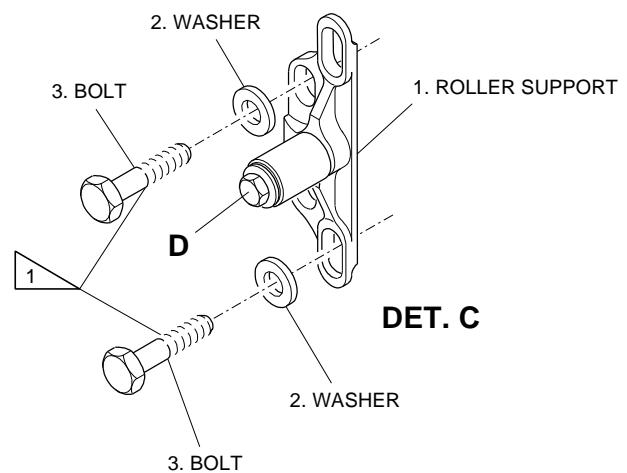
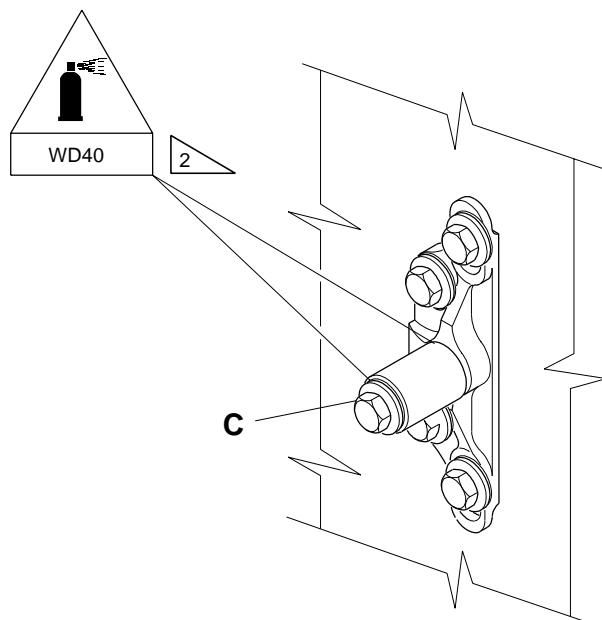
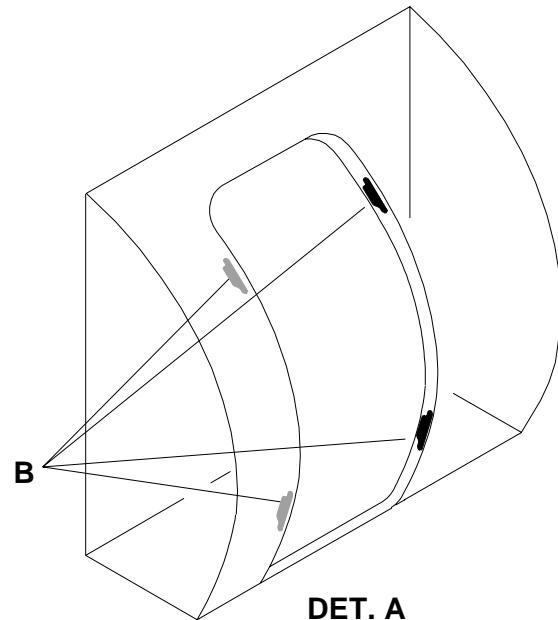
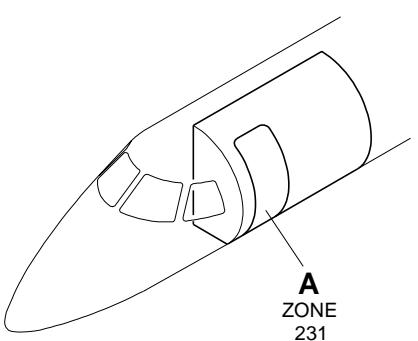
- (1) Open the main door ([AMM SDS 52-10-00/1](#) or [AMM SDS 52-18-00/1](#)).

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

SUBTASK 020-002-A

- (1) Remove the bolt (3) and washer (2).
(2) Remove the roller support (1).

EFFECTIVITY: ALL
Main-Door Frame Roller Support
Figure 401



1  APPLY COR-BAN 27L.

2  MAKE SURE THAT THE ROLLERS MOVE FREELY IN THE CIRCUMFERENTIAL DIRECTION.

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TASK 53-21-02-400-801-A
EFFECTIVITY: ALL
3. MAIN-DOOR FRAME ROLLER SUPPORT - INSTALLATION
A. General

- (1) This procedure gives the instructions to install the main-door frame roller support.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM SDS 52-10-00/1	
AMM SDS 52-18-00/1	
AMM TASK 52-10-01-820-806-A/500	MAIN DOOR ROLLERS - ADJUSTMENT
AMM TASK 52-18-00-820-805-A/500	MAIN DOOR ROLLERS - ADJUSTMENT

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

<i>SPECIFICATION (BRAND)</i>	<i>DESCRIPTION</i>	<i>QTY</i>
MEP09-075	Corrosion-Inhibiting Compound (COR-BAN 27L)	AR
MIL-C-16173, GR3	WD40 Lubricant	AR
ASTM-D-740	Methyl-Ethyl-Ketone (MEK)	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Main-Door Frame Roller Support

I. Installation (Figure 401)
SUBTASK 420-002-A

WARNING: BE CAREFUL WHEN YOU USE THE METHYL-ETHYL-KETONE (MEK). PUT ON SAFETY GOGGLES, PROTECTIVE GLOVES AND CLOTHING. DO NOT BREATHE THE GAS. DO THE WORK IN AN AREA WHICH HAS A GOOD FLOW OF AIR. THE METHYL-ETHYL-KETONE (MEK) IS POISONOUS AND HIGHLY FLAMMABLE.



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- (1) Clean the rollers and their supports with a clean cloth soaked in solvent MEK.
- (2) Install the roller support (1) as follows:

WARNING: COR-BAN 27L CORROSION-INHIBITING COMPOUND IS TOXIC TO SKIN, EYES, AND RESPIRATORY TRACT. USE GOGGLES AND PROTECTIVE GLOVES. USE ONLY IN WELL VENTILATED AREAS. OBEY THE MANUFACTURER'S HEALTH AND SAFETY INSTRUCTIONS.

- (a) Install the bolt (3) and washer (2) (2 positions) and apply COR-BAN 27L corrosion-inhibiting compound.
- (b) Lubricate the main-door frame rollers with WD40 spray lubricant.
- (3) Adjust the rollers ([AMM TASK 52-10-01-820-806-A/500](#)) for airstairs door or ([AMM TASK 52-18-00-820-805-A/500](#)) for side-hinged door.

J. Follow-on

SUBTASK 842-002-A

- (1) Make sure that the rollers move freely in the circumferential direction.
- (2) Close the main door ([AMM SDS 52-10-00/1](#) or [AMM SDS 52-18-00/1](#)).



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TASK 53-21-02-000-802-A

EFFECTIVITY: ALL

4. MAIN-DOOR FRAME ROLLER - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the main-door frame roller.

B. References

REFERENCE	DESIGNATION
AMM SDS 52-10-00/1	
AMM SDS 52-18-00/1	

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

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	On the main-door frame roller

I. Preparation

SUBTASK 841-003-A

- (1) Open the main door ([AMM SDS 52-10-00/1](#) or [AMM SDS 52-18-00/1](#)).

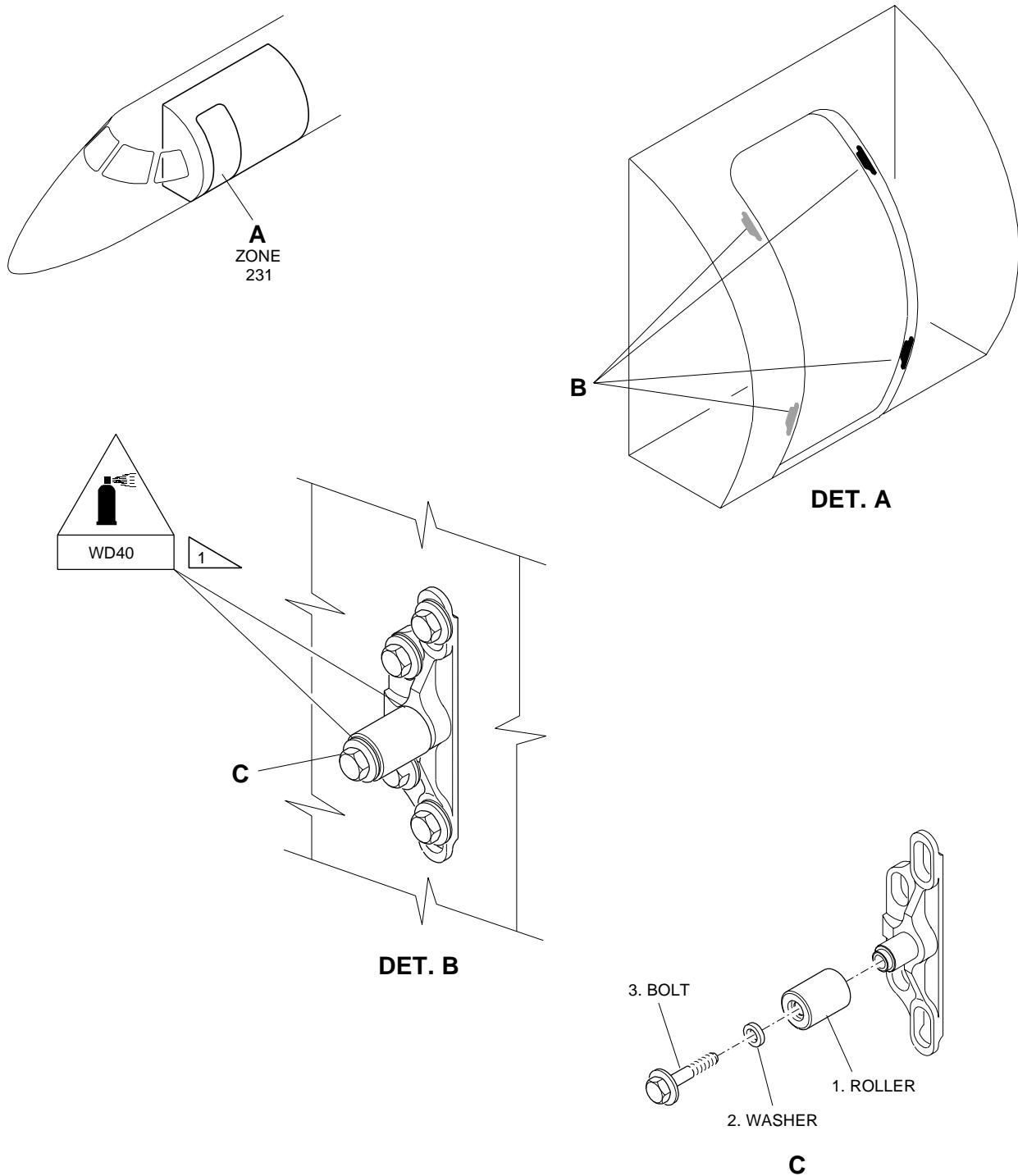
J. Removal ([Figure 402](#))

SUBTASK 020-003-A

- (1) Remove the roller (1) as follows:

- (a) Remove the bolt (3), washer (2), and roller (1).

EFFECTIVITY: ALL
Main-Door Frame Roller
Figure 402



MAKE SURE THAT THE ROLLERS MOVE FREELY IN THE CIRCUMFERENTIAL DIRECTION.

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TASK 53-21-02-400-802-A

EFFECTIVITY: ALL

5. MAIN-DOOR FRAME ROLLER - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the main-door frame roller.

B. References

REFERENCE	DESIGNATION
AMM SDS 52-10-00/1	
AMM SDS 52-18-00/1	

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-C-16173, GR3	WD40 Lubricant	AR
ASTM-D-740	Methyl-Ethyl-Ketone (MEK)	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

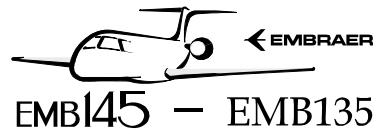
QTY	FUNCTION	PLACE
1	Does the task	Main-Door Frame Roller Support

I. Installation (Figure 402)

SUBTASK 420-003-A

WARNING: BE CAREFUL WHEN YOU USE THE METHYL-ETHYL-KETONE (MEK). PUT ON SAFETY GOGGLES, PROTECTIVE GLOVES AND CLOTHING. DO NOT BREATHE THE GAS. DO THE WORK IN AN AREA WHICH HAS A GOOD FLOW OF AIR. THE METHYL-ETHYL-KETONE (MEK) IS POISONOUS AND HIGHLY FLAMMABLE.

- (1) Clean the rollers and their supports with a clean cloth soaked in solvent MEK.
- (2) Lubricate the internal surface of the roller and its support with WD40 spray lubricant.
- (3) Install the roller (1) as follows:



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- (a) Install the roller (1), washer (2), and bolt (3) in the roller support.

J. Follow-on

SUBTASK 842-003-A

- (1) Make sure that the rollers move freely in the circumferential direction.
- (2) Close the main door ([AMM SDS 52-10-00/1](#) or [AMM SDS 52-18-00/1](#)).

