

## AERODYNAMIC SEALING BRUSH - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to remove and install the aerodynamic sealing brushes.
- B. These procedures are applicable to the LH and RH main landing gears.
- 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
53-04-11-000-801-A	AERODYNAMIC SEALING BRUSHES - REMOVAL	ALL
53-04-11-400-801-A	AERODYNAMIC SEALING BRUSHES - INSTALLATION	ALL

TASK 53-04-11-000-801-A

EFFECTIVITY: ALL

## 2. AERODYNAMIC SEALING BRUSHES - REMOVAL

### A. General

(1) This task gives the procedure to remove the aerodynamic sealing brushes.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 32-00-01-910-801-A/200</a>	LG SAFETY PIN - INSTALLATION AND REMOVAL

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
192	Center wing-to-fuselage fairing	Wing-to-fuselage attachment
193	Rear wing-to-fuselage fairing	Wing-to-fuselage attachment
722/732	RH/LH Main-landing-gear compartment door	RH/LH Main-landing-gear compartment

### 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	Main-landing-gear compartment

### I. Preparation

**SUBTASK 841-002-A**

(1) Install the safety pin to the main landing gear ( [AMM TASK 32-00-01-910-801-A/200](#) ).

### J. Removal ( [Figure 401](#) ) ( [Figure 402](#) ) ( [Figure 403](#) ) ( [Figure 404](#) )

**SUBTASK 020-002-A**

(1) Remove the aerodynamic sealing brush from the main landing gear door as follows ( [Figure 401](#) ):

(a) Remove the screws (1).

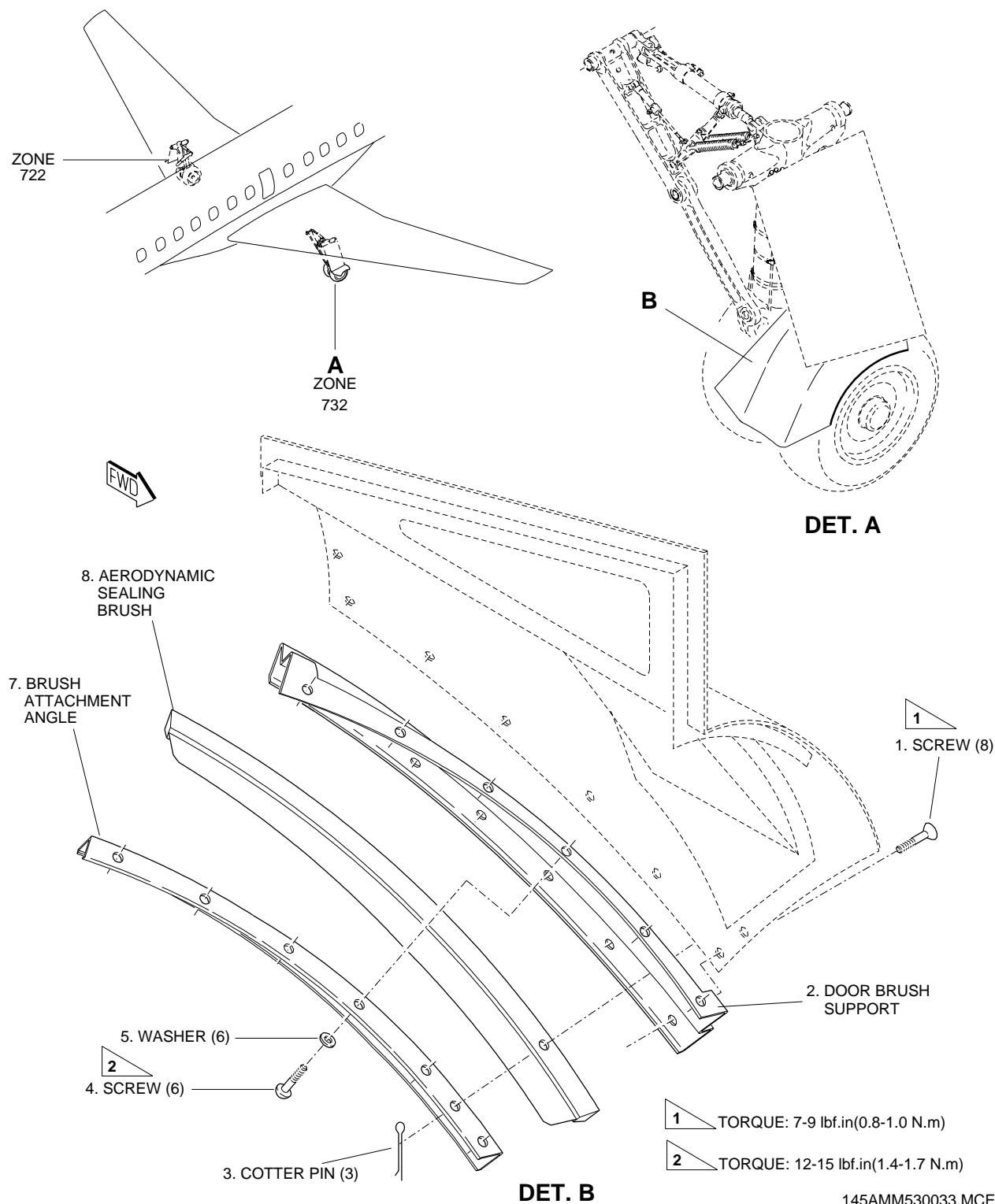
(b) Put the aerodynamic sealing brush kit on the workbench.

- (c) Remove the cotter pins (3) and discard them.
  - (d) Remove the screws (4) and washers (5).
  - (e) Remove the brush attachment angle (7).
  - (f) Remove the aerodynamic sealing brush (8).
  - (g) Remove the door brush support (2).
- (2) Remove the aerodynamic sealing brush from the center wing-to-fuselage fairing as follows ([Figure 402](#)):
- (a) Remove the screws (7).
  - (b) Remove the screws (3) and washers (2).
  - (c) Remove the splice (1).
  - (d) Put the aerodynamic sealing brush kit on the workbench.
  - (e) Remove the cotter pins (10) and discard them.
  - (f) Remove the screws (4) and washers (5).
  - (g) Remove the brush attachment angle (9).
  - (h) Remove the aerodynamic sealing brush (6).
  - (i) Remove the front brush support (8).
- (3) Remove the aerodynamic sealing brush from the rear wing-to-fuselage fairing as follows ([Figure 403](#)) and ([Figure 404](#)):
- (a) Remove the screws (5).
  - (b) Remove the screws (8) and washers (9).
  - (c) Remove the splice (10).
  - (d) Put the aerodynamic sealing brush kit on the workbench.
  - (e) Remove the cotter pins (11) and discard them.
  - (f) Remove the screws (1) and washers (2).
  - (g) Remove the screws (13) and washers (12).
  - (h) Remove the brush attachment angle (3).
  - (i) Remove the aerodynamic sealing brush (7).
  - (j) Remove the rear brush support (6).

EFFECTIVITY: ALL

Aerodynamic Sealing Brush of the Main Landing Gear Door - Removal/Installation

Figure 401

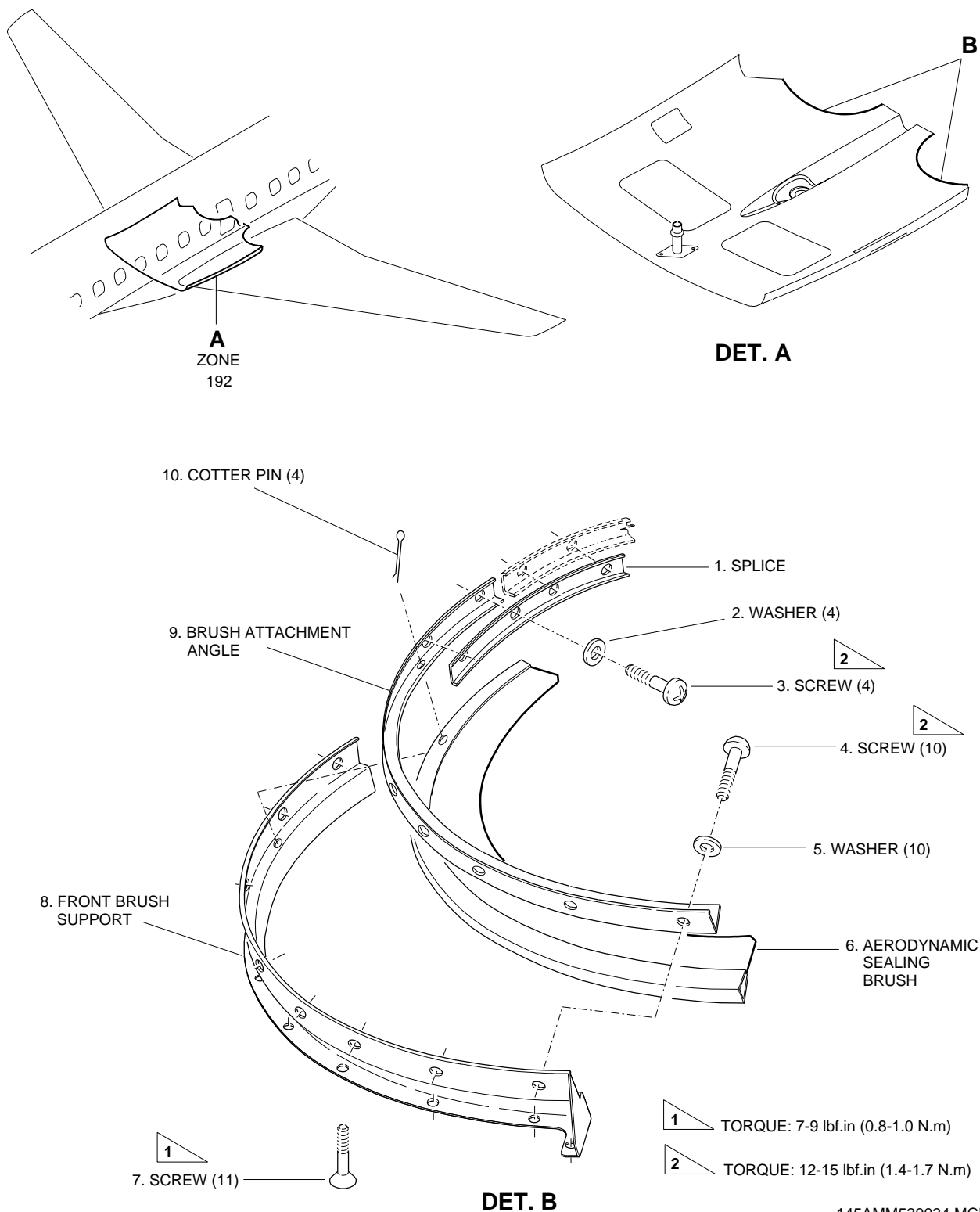


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EFFECTIVITY: ALL

Aerodynamic Sealing Brush of the Center Wing-to-Fuselage Fairing -Removal/Installation

Figure 402

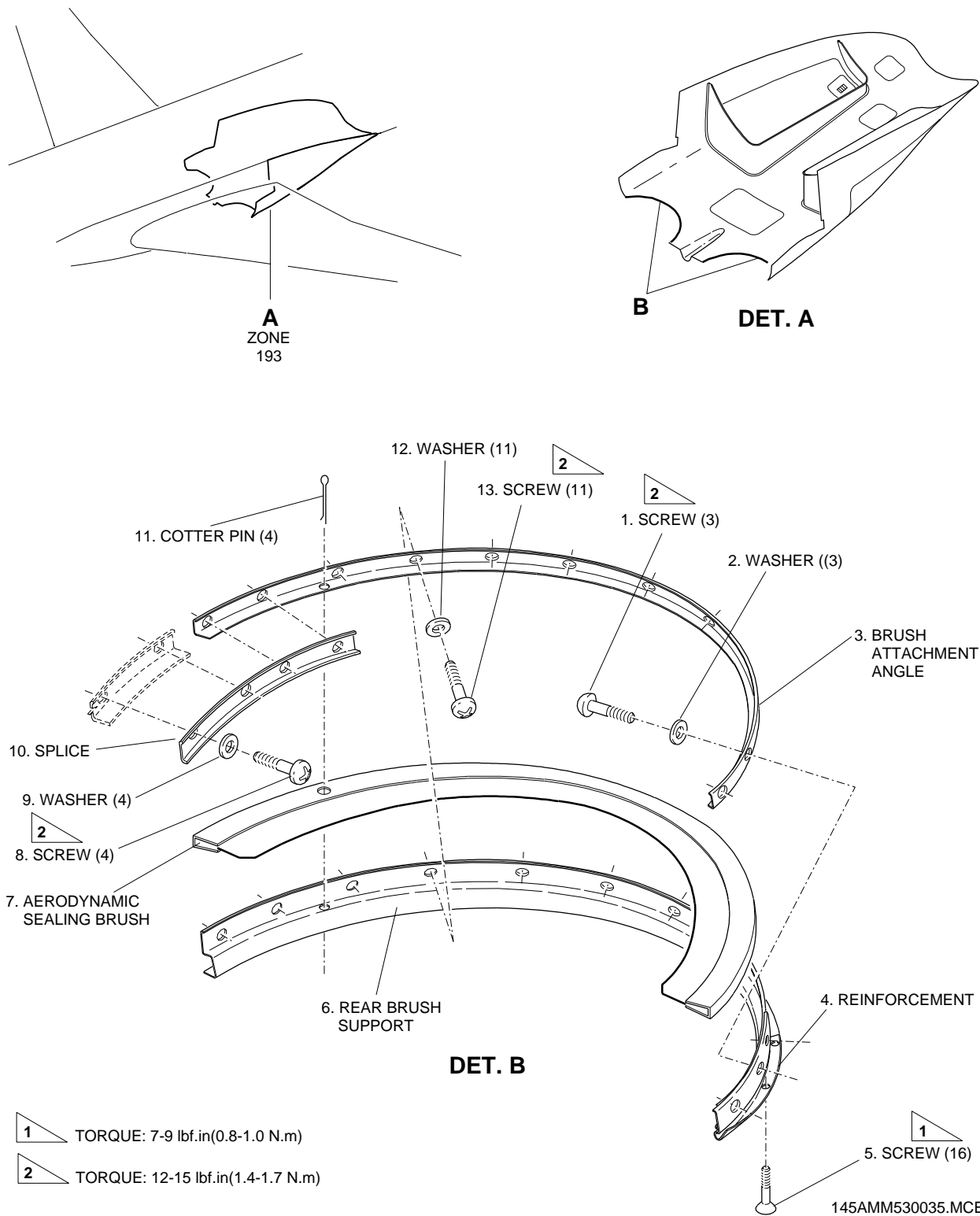


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EFFECTIVITY: FOR AIRCRAFT S/N 145003 TO 145046 AND 145065 AND ON

Aerodynamic Sealing Brush of the Rear Wing-to-Fuselage Fairing - Removal/Installation

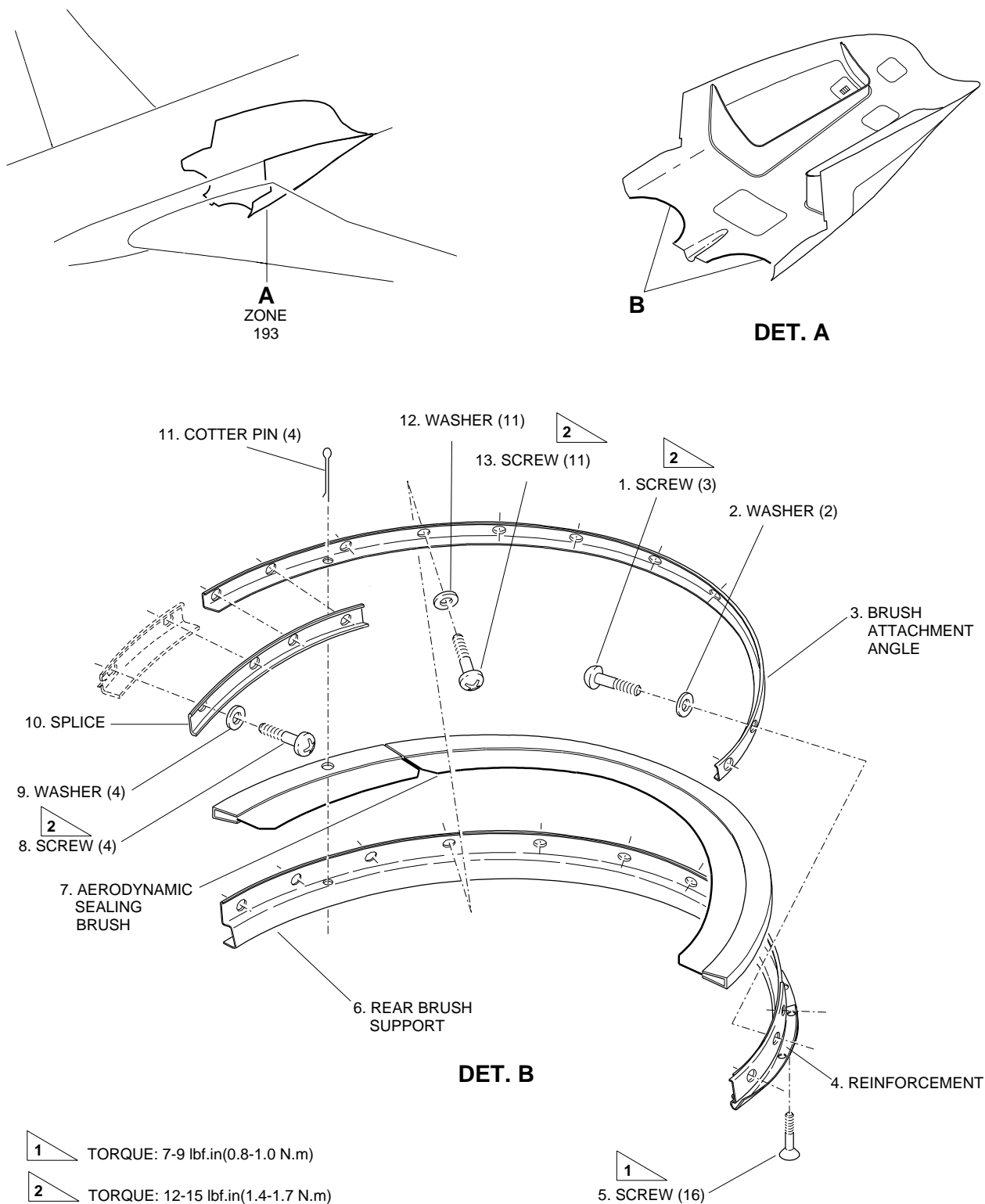
Figure 403



EFFECTIVITY: 0047 TO 0064

Aerodynamic Sealing Brush of the Rear Wing-to-Fuselage Fairing - Removal/Installation

Figure 404



145AMM530036.MCE

TASK 53-04-11-400-801-A

EFFECTIVITY: ALL

### 3. AERODYNAMIC SEALING BRUSHES - INSTALLATION

#### A. General

(1) This task gives the procedure to install the aerodynamic sealing brushes.

#### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 32-00-01-910-801-A/200</a>	LG SAFETY PIN - INSTALLATION AND REMOVAL
IPC 53-04-00	FAIRINGS WING/FUSELAGE

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
192	Center wing-to-fuselage fairing	Wing-to-fuselage attachment
193	Rear wing-to-fuselage fairing	Wing-to-fuselage attachment
722/732	RH/LH Main-landing-gear compartment door	RH/LH Main-landing-gear compartment

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench	To torque the screws	

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

Not Applicable

#### G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Cotter pin	IPC 53-04-00	AR

#### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Main-landing-gear compartment

#### I. Installation (Figure 401) (Figure 402) (Figure 403) (Figure 404)

##### SUBTASK 420-002-A

- (1) Install the aerodynamic sealing brush on the main landing gear door as follows (Figure 401):



- (a) On the workbench, assemble the aerodynamic sealing brush kit as follows:
    - 1 With the brush attachment angle (7) as a reference, drill the necessary holes in the aerodynamic sealing brush (8).
    - 2 Join the door brush support (2), aerodynamic sealing brush (8), and brush attachment angle (7) together.
    - 3 Install the washers (5) and screws (4).
    - 4 Install the new cotter pins (3).
  - (b) Put the aerodynamic sealing brush kit on the main landing gear door.
  - (c) Install the screws (1).
  - (d) Torque the screws (1) and (4).
- (2) Install the aerodynamic sealing brush kit of the center wing-to-fuselage fairing as follows (Figure 402):
- (a) On the workbench, assemble the aerodynamic sealing brush kit as follows:
    - 1 With the brush attachment angle (9) as a reference, drill the necessary holes in the aerodynamic sealing brush (6).
    - 2 Join the front brush support (8), aerodynamic sealing brush (6), and brush attachment angle (9) together.
    - 3 Install the washers (5) and screws (4).
    - 4 Install the new cotter pins (10).
  - (b) Put the aerodynamic sealing brush kit on the center wing-to-fuselage fairing.
  - (c) Install the screws (7).
  - (d) Install the splice (1).
  - (e) Install the washers (2) and screws (3).
  - (f) Torque the screws (3), (4), and (7).
- (3) Install the aerodynamic sealing brush kit of the rear wing-to-fuselage fairing as follows (Figure 403) and (Figure 404):
- (a) On the workbench, assemble the aerodynamic sealing brush kit as follows:
    - 1 With the brush attachment angle (3) as a reference, drill the necessary holes in the aerodynamic sealing brush (7).
    - 2 Join the rear brush support (6), aerodynamic sealing brush (7), and brush attachment angle (3) together.
    - 3 Install the washers (2) and screws (1).
    - 4 Install the washers (12) and screws (13).

5 Install the new cotter pins (11).

- (b) Put the aerodynamic sealing brush kit on the rear wing-to-fuselage fairing.
- (c) Install the screws (5).
- (d) Install the splice (1).
- (e) Install the washers (9) and screws (8).
- (f) Torque the screws (1), (5), (8), and (13).

J. Follow-on

*SUBTASK 842-002-A*

- (1) Remove the safety pin from the main landing gear ( [AMM TASK 32-00-01-910-801-A/200](#)).