



AIRCRAFT MAINTENANCE MANUAL

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 - IN- STALLATION	ALL



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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
AMM TASK 32-00-01-910-801-A/200	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](#)):

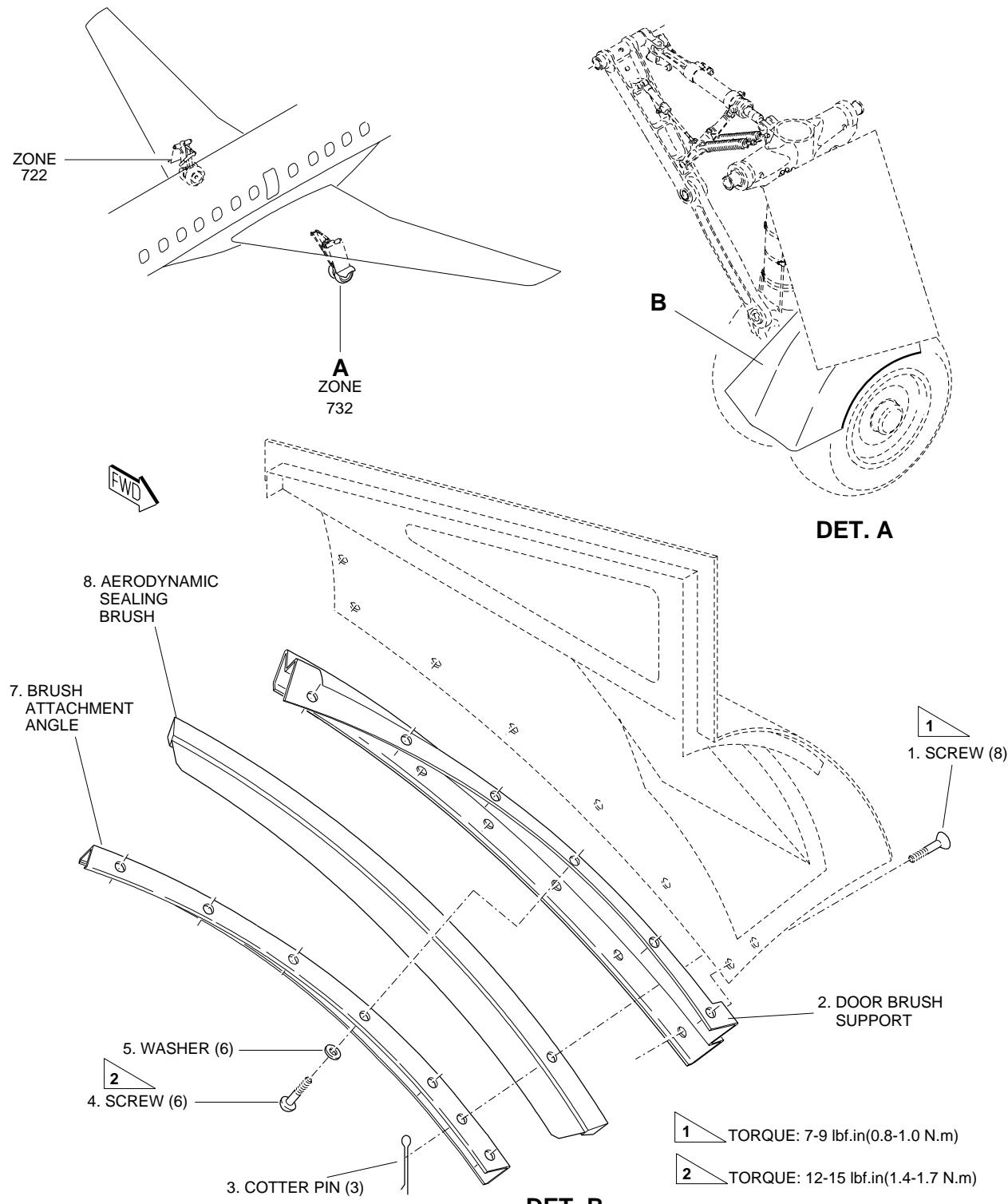
- (a) Remove the screws (1).
- (b) Put the aerodynamic sealing brush kit on the workbench.

- (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

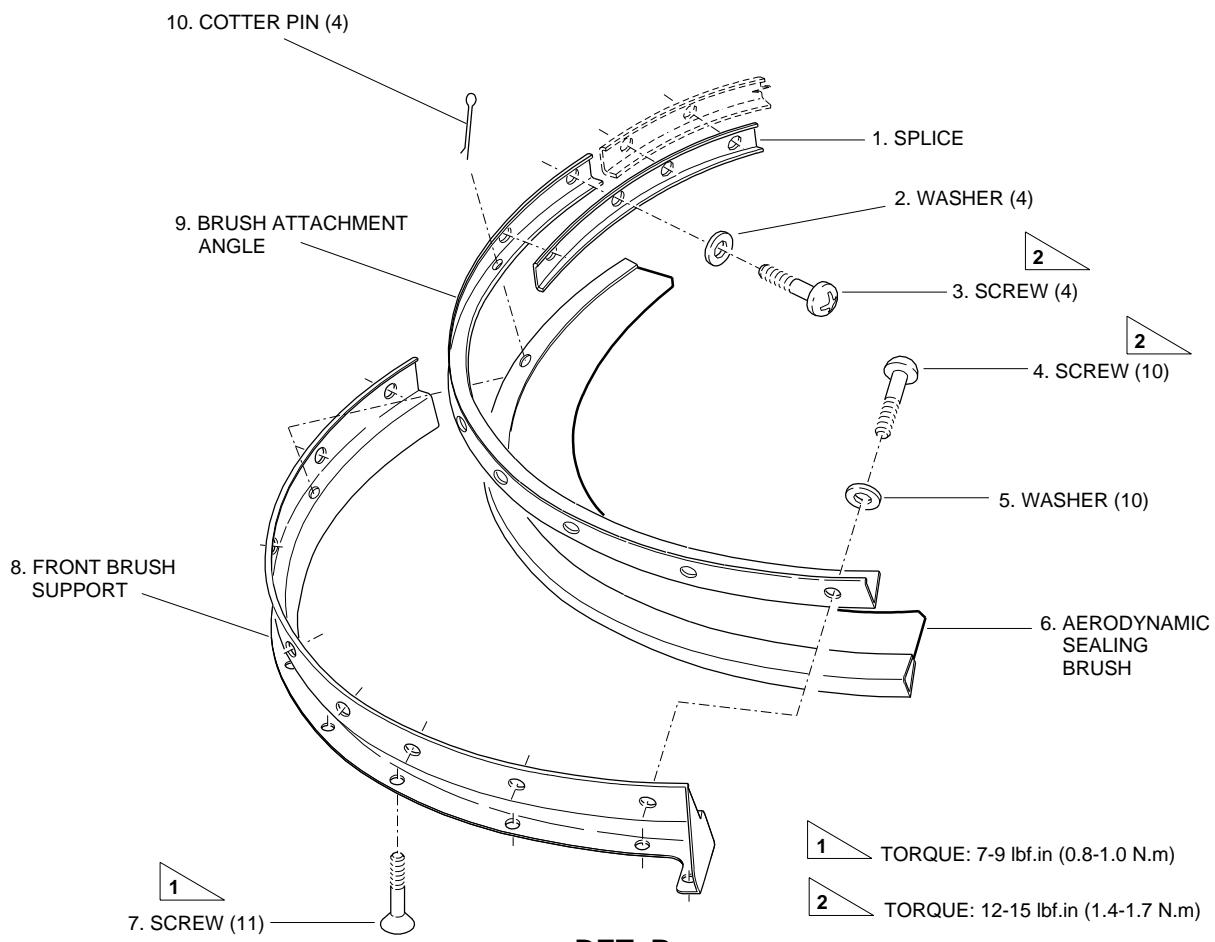
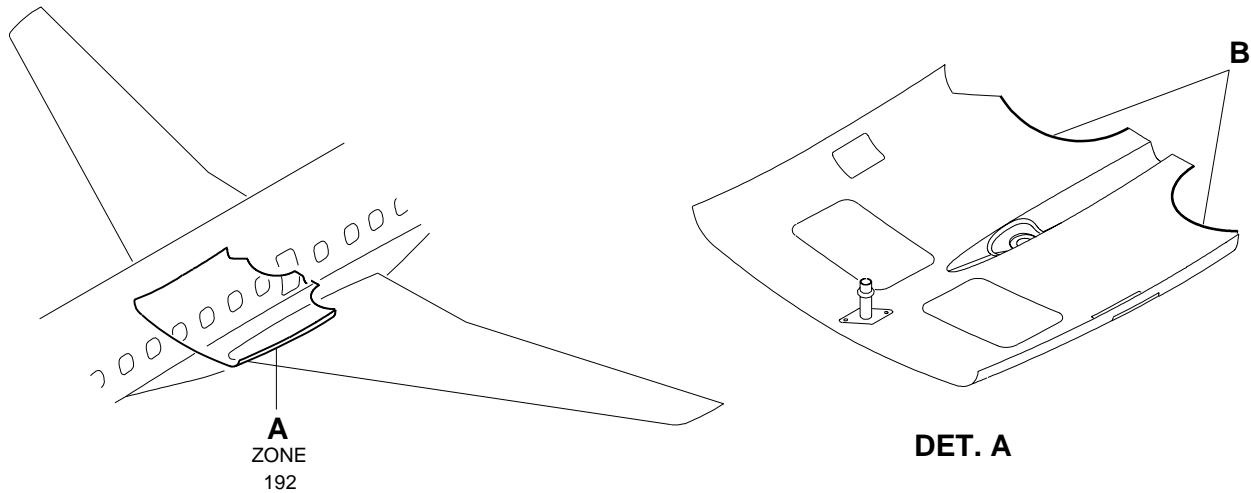
Figure 401



EFFECTIVITY: ALL

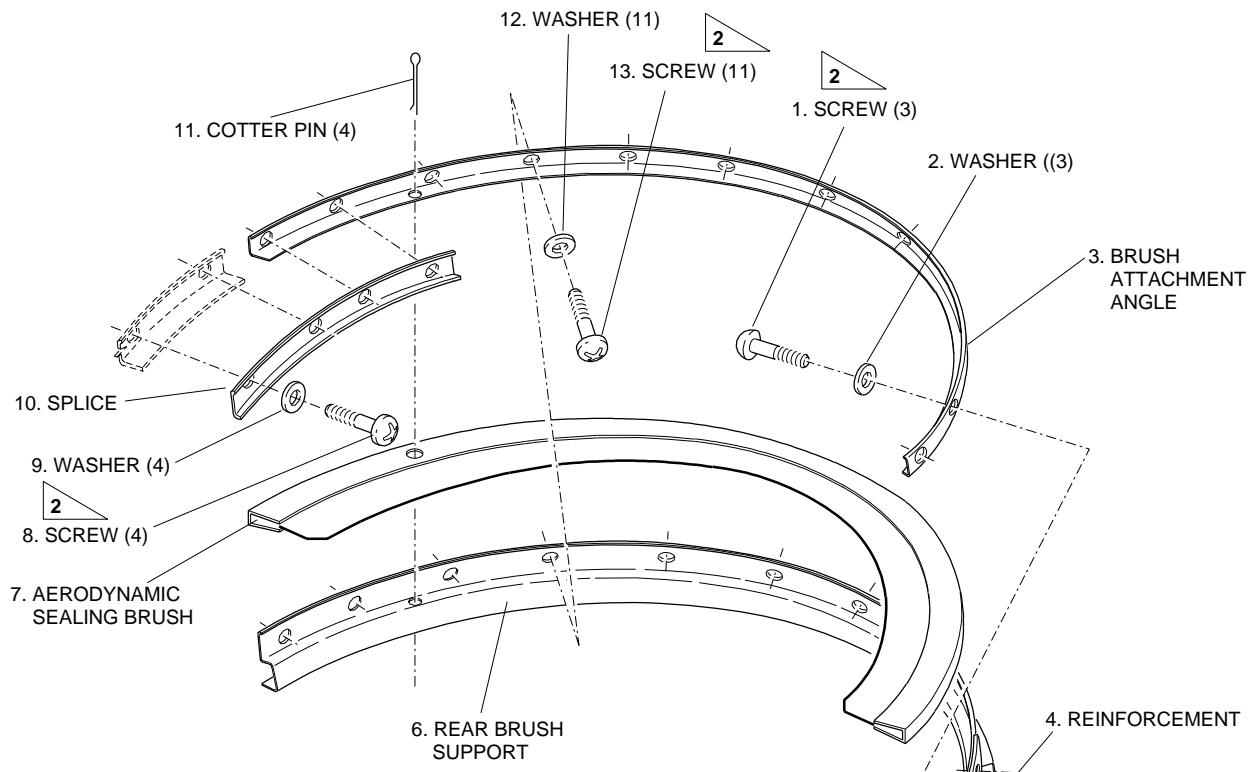
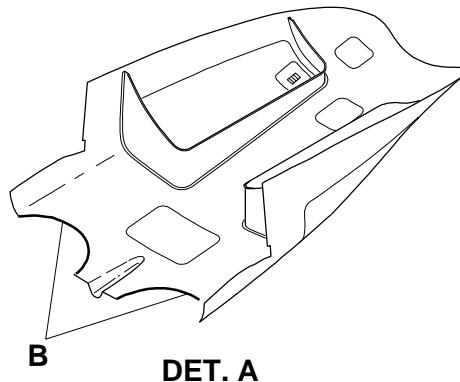
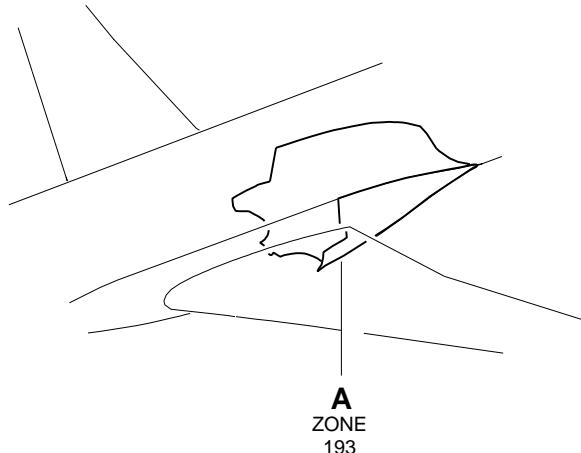
Aerodynamic Sealing Brush of the Center Wing-to-Fuselage Fairing -Removal/Installation

Figure 402



145AMM530034.MCE

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



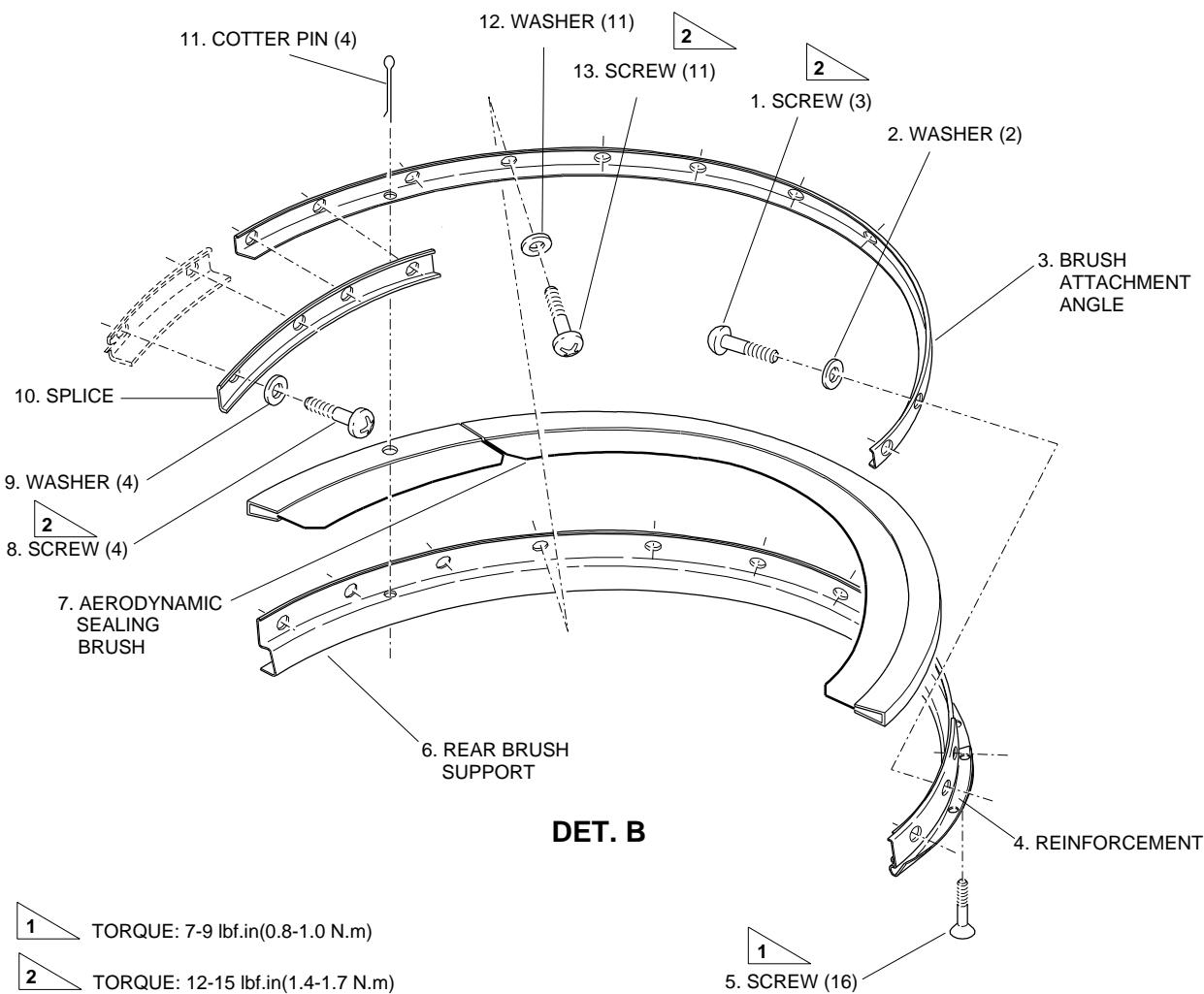
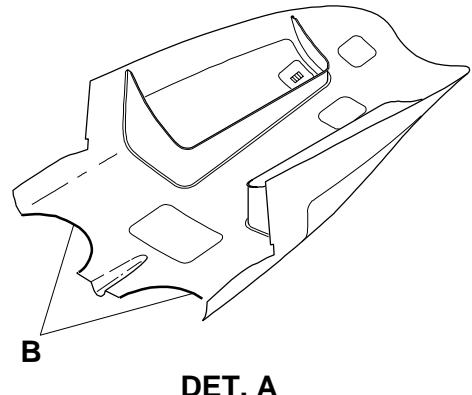
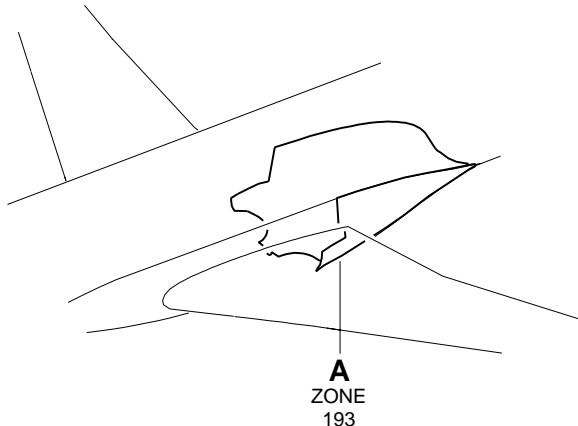
1 TORQUE: 7-9 lbf.in(0.8-1.0 N.m)

2 TORQUE: 12-15 lbf.in(1.4-1.7 N.m)

145AMM530035.MCE

EFFECTIVITY: 0047 TO 0064

Aerodynamic Sealing Brush of the Rear Wing-to-Fuselage Fairing - Removal/Installation
Figure 404



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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
AMM TASK 32-00-01-910-801-A/200	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).



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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](#)).