CENTER WING-TO-FUSELAGE FAIRING - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

A. This section gives the procedures to remove and install the Center Wing-to-Fuselage Fairing.

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*
53-04-10-000-801-A	CENTER WING-TO-FUSELAGE FAIRING - REMOVAL	ALL
53-04-10-400-801-A	CENTER WING-TO-FUSELAGE FAIRING - INSTALLATION	ALL

TASK 53-04-10-000-801-A
EFFECTIVITY: ALL

2. CENTER WING-TO-FUSELAGE FAIRING - REMOVAL

A. General

(1) This procedure gives the instructions to remove the center wing-to-fuselage fairing.

B. References

REFERENCE	*DESIGNATION*
AMM MPP 06-41-01/100	-
SRM 51-20-01-PR	-

C. Zones and Accesses

ZONE	*PANEL/DOOR*	*LOCATION*
192	192AL (LH side)	Center wing-to-fuselage attachment area
192	192BR (RH side)	Center wing-to-fuselage attachment area

D. Tools and Equipment

ITEM	*DESCRIPTION*	*PURPOSE*	*QTY*
Commercially available	Acrylic spatula	To remove sealant	

E. Auxiliary Items

ITEM	*DESCRIPTION*	*PURPOSE*	*QTY*
Commercially available	Protective Gloves	For protection of technician's hands	1
Commercially available	Safety Goggles	For protection of technician's eyes	1

F. Consumable Materials

SPECIFICATION (BRAND)	*DESCRIPTION*	*QTY*
ASTM-D-740	Methyl Ethyl Ketone - MEK	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	*FUNCTION*	*PLACE*
3	Do the task	Center wing-to-fuselage attachment area

I. Preparation

SUBTASK 841-002-A

(1) On the overhead circuit breaker panel, open the red beacon circuit breaker and attach a DO-NOT-CLOSE tag to it.

J. Removal (Figure 401)

SUBTASK 020-002-A

(1) With an acrylic spatula, remove the old aerodynamic sealant in the center wing-to-fuselage attachment area.

(2) Remove the screws that attach the access panels to the center wing-to-fuselage fairing (3). Refer to Figure 401; DET. A.

(3) Remove access panels (AMM MPP 06-41-01/100):

– 192AL (LH side) (4).

– 192BR (RH side) (5).

(4) Disconnect the electrical connector (6). Refer to Figure 401; DET. G.

(5) Install the protection cap to the disconnected electrical connector.

(6) Remove the clamps which connect the flexible hose to the drain (1).

(7) Remove the screws (8) that attach the splices (LH and RH sides) (9) to the center and rear wing-to-fuselage fairings.

(8) Remove the splices (LH and RH sides) (9) from the interface between the rear and the center wing-to-fuselage fairings (3).

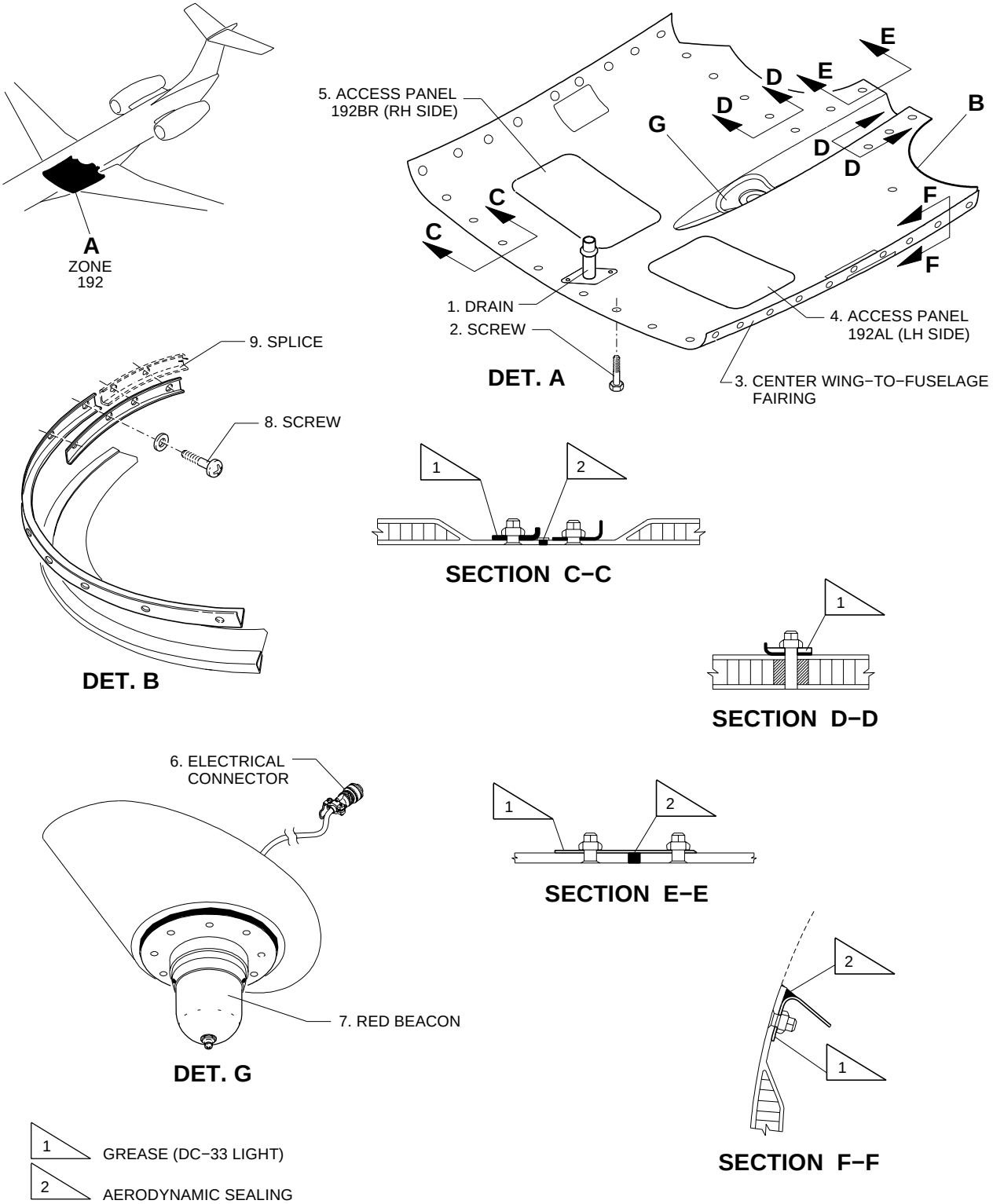
(9) Remove the screws (2) that attach the center wing-to-fuselage fairing (3). Refer to Figure 401; SECTIONS C-C, D-D, E-E, and F-F.

(10) Remove the center wing-to-fuselage fairing (3).

NOTE: Make sure that the interface sealant is not damaged. If necessary, apply sealant again (SRM 51-20-01-PR).

EFFECTIVITY: ALL

Center Wing-to-Fuselage Fairing - Removal/Installation
Figure 401



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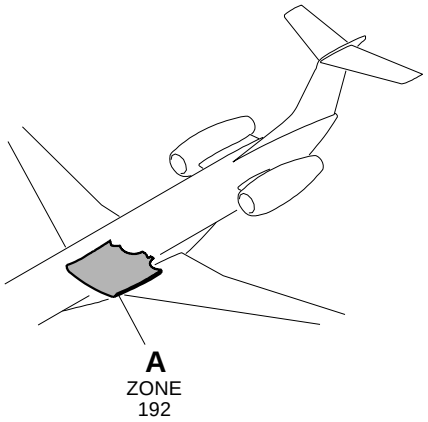
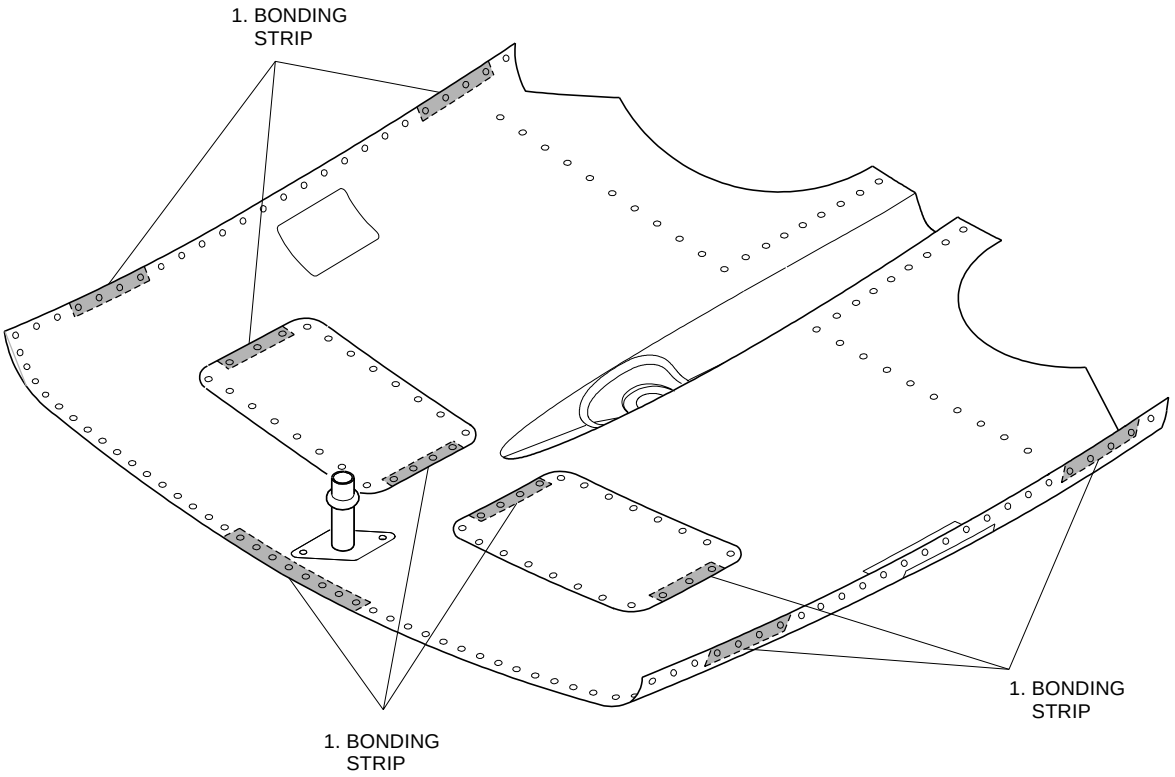
EFFECTIVITY: ALL
Bonding Strap
Figure 402





DET. A

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TASK 53-04-10-400-801-A
EFFECTIVITY: ALL

3. CENTER WING-TO-FUSELAGE FAIRING - INSTALLATION

A. General

(1) This procedure gives the instructions to install the center wing-to-fuselage fairing.

B. References

REFERENCE	*DESIGNATION*
AMM MPP 06-41-01/100	-
AMM MPP 20-10-01/200	- MAINTENANCE PRACTICES
AMM TASK 20-13-21-700-801-A/200	ELECTRICAL BONDING TEST - STANDARD PROCEDURES
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 33-47-00-700-801-A/500	ANTICOLLISION LIGHTS - OPERATIONAL TEST
SRM 51-20-01-PR	-

C. Zones and Accesses

ZONE	*PANEL/DOOR*	*LOCATION*
192	192AL (LH side)	Center wing-to-fuselage attachment area
192	192BR (RH side)	Center wing-to-fuselage attachment area

D. Tools and Equipment

ITEM	*DESCRIPTION*	*PURPOSE*	*QTY*
Commercially available	Torque wrench	To tighten the screws	

E. Auxiliary Items

ITEM	*DESCRIPTION*	*PURPOSE*	*QTY*
Commercially available	Protective Gloves	For protection of technician's hands	1
Commercially available	Safety Goggles	For protection of technician's eyes	1

F. Consumable Materials

SPECIFICATION (BRAND)	*DESCRIPTION*	*QTY*
MIL-G-46886	Grease, Molykote DC-33, Light	AR
MIL-PRF-81733 TYPE II-2	Sealant, P/S 870 - B 2	AR
MIL-PRF-81733 TYPE II-1/2	Sealant, P/S 870 - B 1/2	AR

(Continued)

SPECIFICATION (BRAND)	*DESCRIPTION*	*QTY*
Commercially available	Adhesive Tape	AR
Commercially available	Aluminum Tape (AL Tape 425)	AR
Commercially available	Polyethylene Film	AR
ASTM-D-740	Methyl Ethyl Ketone - MEK	AR
Commercially available	Scotch Brite Sponge	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	*FUNCTION*	*PLACE*
3	Do the task	Center wing-to-fuselage attachment area

I. Installation (Figure 401) (Figure 402)

SUBTASK 420-002-A

(1) Apply Molykote DC-33 light grease to the faying surface of the center wing-to-fuselage fairing (3).

(2) Install the center wing-to-fuselage fairing (3).

(3) Install the screws (2) that attach the center wing-to-fuselage fairing (3). Refer to (Figure 401); SECTIONS C-C, D-D, E-E, F-F.

NOTE: For torque, refer to (AMM MPP 20-10-01/200).

(4) Install the splices (LH and RH sides) (9).

(5) Remove the protection cap from the disconnected electrical connector.

(6) Connect the electrical connector (6).

(7) Install the flexible hose to the drain (1).

(8) Do an inspection on the fuel quantity indication harness, according to AMM TASK 28-41-00-200-801-A/600.

NOTE: THE INSPECTION OF FUEL QUANTITY INDICATION HARNESS IS PART OF CRITICAL DESIGN CONFIGURATION CONTROL LIMITATIONS (CDCCL) IN THE AIRWORTHINESS LIMITATIONS OF THE AIRCRAFT MAINTENANCE PROGRAM.

(9) Install access panels (AMM MPP 06-41-01/100):

– 192AL (LH side) (3).

– 192BR (RH side) (5).

(10) There are different methods to do the aerodynamic sealing in the center wing-to-fuselage attachment area. Use the applicable procedure as necessary:

(a) Full sealant-curing time:

1 Apply sealant P/S 870 - B 1/2 or P/S 870 - B 2.

NOTE: Sealant curing time will change according to the environmental conditions. Refer to (SRM 51-20-01-PR).

(b) Acceleration of sealant curing time with heating:

1 Apply sealant P/S 870 - B 1/2 or P/S 870 - B 2.

2 Wait for one hour after the sealant is applied.

CAUTION: THE TEMPERATURE MUST NOT BE HIGHER THAN 55°C (131°F).

3 Heat the area which received the sealant.

NOTE: Sealant curing time will change according to the environmental conditions. Refer to (SRM 51-20-01-PR).

(c) Application of aluminum tape after tack-free time.

NOTE: This procedure must only be done when a faster aircraft clearance is necessary.

1 Apply sealant P/S 870 - B 1/2 or P/S 870 - B 2.

2 You can accelerate the sealant curing time as written in paragraph (b).

3 After the sealant is tack-free, apply aluminum tape.

NOTE: You can operate the aircraft immediately after the aluminum tape application.

4 Remove the aluminum tape after 150 hours.

(d) Application of polyethylene film and aluminum tape.

1 Apply sealant P/S 870 - B 1/2 or P/S 870 - B 2.

2 Apply a polyethylene film over the sealant.

3 Apply the aluminum tape.

NOTE: You can operate the aircraft immediately after the aluminum tape application.

4 Remove the aluminum tape after 10 days.

J. Follow-on

SUBTASK 842-002-A

(1) On the circuit breaker panel, close the red beacon circuit breaker and remove the DO-NOT-CLOSE tag from it.

(2) Do the operational check of the red beacon, according to AMM TASK 33-47-00-700-801-A/500.

(3) Do the electrical-bonding test procedure as given in AMM TASK 20-13-21-700-801-A/200. Refer to (Figure 402).