



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

RADOME - ADJUSTMENT/TEST

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to adjust the radome.
- 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
53-11-01-820-801-A	RADOME - ADJUSTMENT	ACFT MODEL(S) EMB-145



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TASK 53-11-01-820-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. RADOME - ADJUSTMENT

A. General

(1) This task gives the procedure to adjust the radome.

B. References

REFERENCE	DESIGNATION
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
S.B.145-32-0036	-
SRM 51-20-01	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber gloves	Chemical protection	AR
Commercially available	Safety goggles	Eye protection	AR
Commercially available	Acrylic spatula	To remove/apply sealant	1
Commercially available	Soft, lint-free cloth	To clean	AR

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MEP13-073	Rhodiosolve E-23	AR
AMS-S-8802 Type II-2, Class B2	Sealant, PR1440B2	AR

G. Expandable Parts

Not Applicable



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Radome

I. Preparation

SUBTASK 841-004-B

- (1) Make sure that aircraft is safe for maintenance.

WARNING: DO NOT PERMIT PERSONS TO GET ACCESS TO THE NOSE LANDING GEAR COMPARTMENT BEFORE YOU DO STEPS (2) AND (4).

- (2) On aircraft PRE-MOD [S.B.145-32-0036](#), make sure that the pressure in hydraulic system 1 is fully released ([AMM TASK 29-10-00-860-802-A/200](#)).
- (3) On aircraft POST-MOD [S.B.145-32-0036](#), install the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (4) Install the safety pin to the nose landing gear ([AMM TASK 32-00-01-910-801-A/200](#)).
- (5) Open the radome.
- (6) With an acrylic spatula, remove the sealant from along the contour of the supports and from the bolts that attach the supports to the aircraft.

WARNING: BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN AN AREA WITH A GOOD FLOW OF AIR.

- (7) With a cloth soaked in Rhodiasolve E-23, clean the surface.

J. Step Between Radome and Fuselage Skin at Frame 1 - Adjustment ([Figure 501](#))

SUBTASK 820-006-B

- (1) Close the radome.
- (2) Loosen the bolts, as sufficiently to move the radome.

NOTE: Get access through the NLG bay to loosen the bolts.
- (3) Move the radome until the step between the radome and the fuselage skin at frame 1 is 0 thru ± 1.0 mm (0 in thru ± 0.040 in).
- (4) Torque the bolts that attach the supports to the aircraft to 2.82 - 3.4 N.m (25 - 30 lbf.in).
- (5) Apply sealing compound PR 1440 B2 to all contour of the supports and on the bolts. Refer to SRM 51-20-01.

K. Gap Between Radome and Fuselage Skin at Frame 1 - Adjustment ([Figure 501](#))

SUBTASK 820-007-B

- (1) Open the radome.

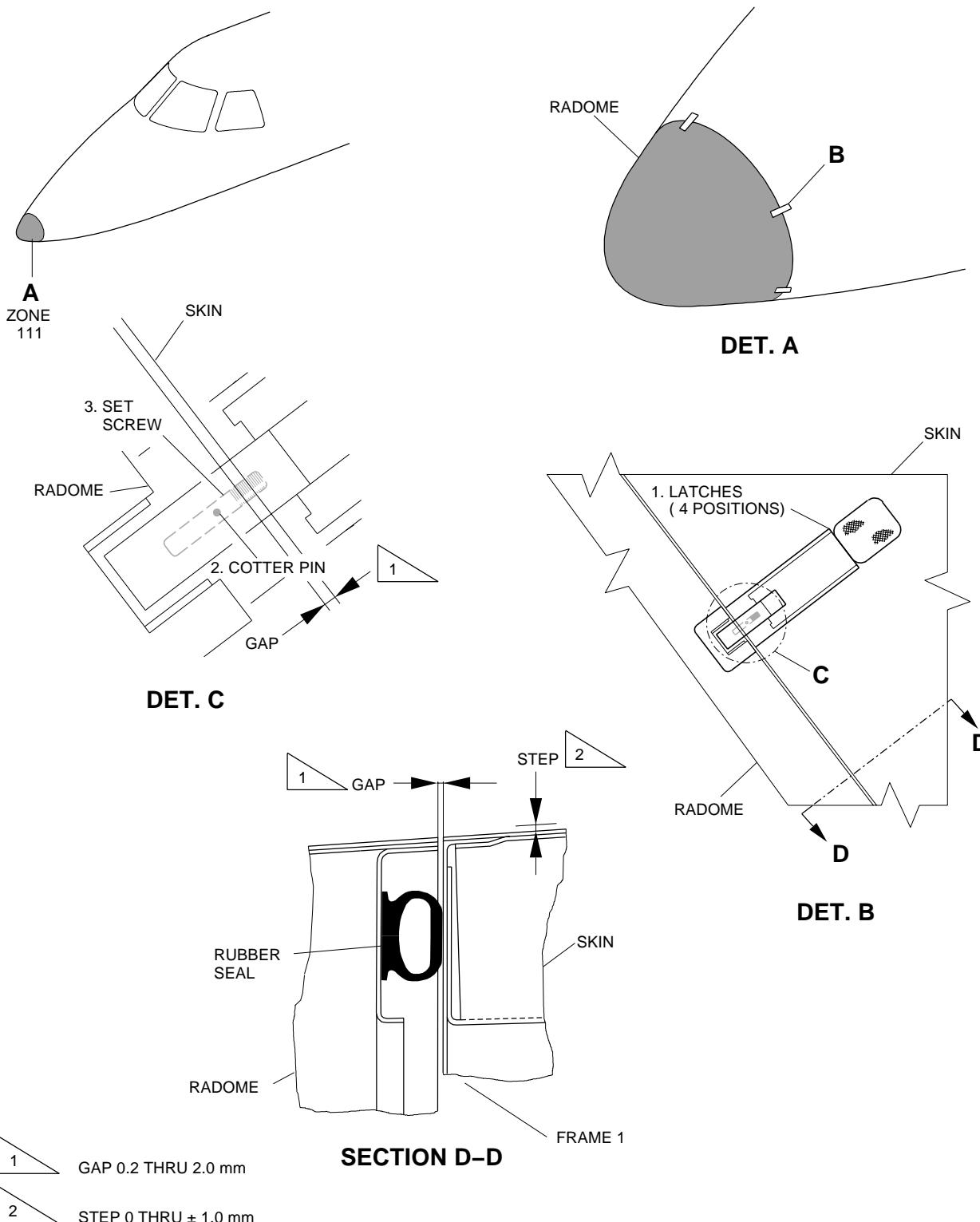
- (2) Remove the cotter pins (2) from the set screws (3) of the latches (1). Discard the cotter pins.
- (3) Adjust the screws (3) as necessary: turn them clockwise or counterclockwise until there is a tight lock of the latches (1) when you close the radome and lock the latch.
- (4) Make sure that the gap between the radome border and the fuselage skin at frame 1 is 0.2 - 2 mm (0.0039 - 0.0787 in) with the radome closed.
- (5) Install the cotter pins (2) to the set screws (3) of the latches (1).

L. Follow-on

SUBTASK 842-004-B

- (1) Close the radome.
- (2) Remove the safety pin from the nose landing gear ([AMM TASK 32-00-01-910-801-A/200](#)).
- (3) On aircraft POST-MOD S.B.145-32-0036, remove the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).

EFFECTIVITY: ACFT MODEL(S) EMB-145
Radome - Adjustment
Figure 501



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