



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

RADOME RUBBER SEAL - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the Radome Rubber Seal.
- 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
53-11-02-000-801-A	RADOME RUBBER SEAL - REMOVAL	ALL
53-11-02-400-801-A	RADOME RUBBER SEAL - INSTALLATION	ALL



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TASK 53-11-02-000-801-A

EFFECTIVITY: ALL

2. RADOME RUBBER SEAL - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the Radome Rubber Seal.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the forward fuselage

H. Preparation

SUBTASK 841-002-A

- (1) Open the radome.

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

SUBTASK 020-002-A

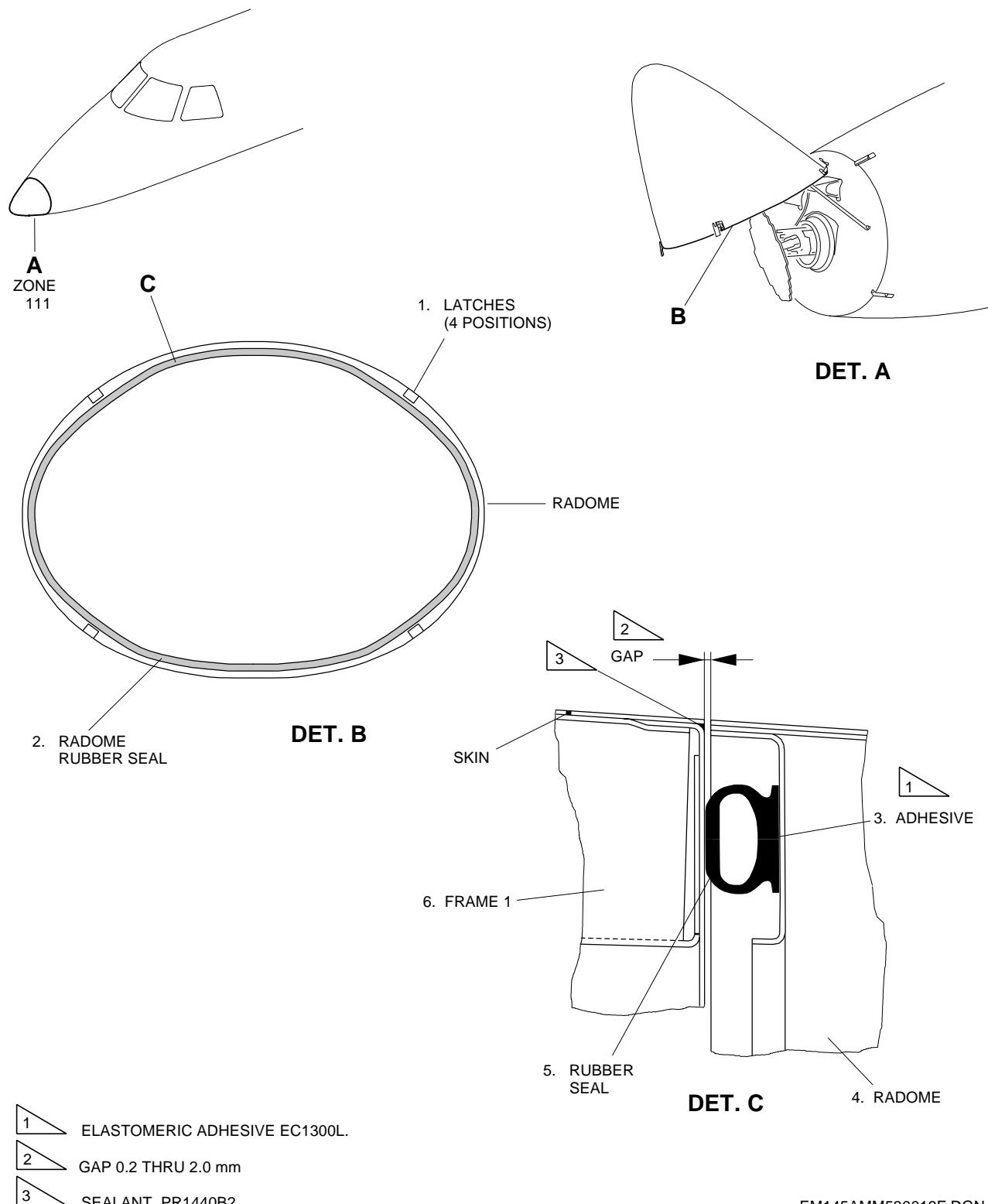
- (1) Remove the radome rubber seal (2).

NOTE: Examine the radome rubber seal for general conditions. Replace it, if necessary.

EFFECTIVITY: ALL

Radome Rubber Seal - Removal/Installation

Figure 401



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TASK 53-11-02-400-801-A

EFFECTIVITY: ALL

3. RADOME RUBBER SEAL - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the Radome Rubber Seal.

B. References

REFERENCE	DESIGNATION
AMM MPP 53-11-01/500	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Commercially available	180-grit Sandpaper	AR
Commercially available	Methyl-ethyl-ketone	AR
MMM-A-1221	Elastomeric Adhesive EC1300L	AR
MIL-S-8802B	Sealant PR 1440B2	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the forward fuselage

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Sand the seating area of the radome rubber seal (2) and clean it with methyl-ethyl-ketone.
- (2) Install the rubber seal (5) with adhesive (3). Do not permit the rubber seal to cover the latches (1) or reinforcing channels in frame 1 (6).
- (3) Apply sealant along all the contour of the radome edge, as shown in the (Figure 401).
- (4) Adjust the latches (1) to put an initial pressure on the rubber seal (5).



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(5) Make sure that the initial pressure got with the adjustment of the latches (1) is sufficient to seal the radome (4) against water penetration as follows:

- (a) Put a strap of sufficiently strong paper on frame 1 (6), in the seating area of the rubber seal (5), and close the radome (4).
- (b) Pull the paper strap, as if to move it.
- (c) Open the radome (4) and make sure that the latches (1) are not too much tightened and that the radome opens easily.

NOTE: The resistance found to move the paper strap and to open the radome (4) will show the correct pressure to be got when the latches (1) are adjusted.

- (d) Refer to (Figure 401) and do a check of the gap values between the radome (4) and the fuselage frame (1).

NOTE: If the skin interferes with the radome edge, a false stop occurs.

If this occurs, rework the skin where it is necessary to adjust the gap to the values shown in (Figure 401).

- (e) Do a tightness test with water at a pressure above 2 psi (0.14 Kg/cm).

NOTE: Make sure that the radome (4) is correctly sealed.

J. Follow-on

SUBTASK 842-002-A

- (1) Touch up the painting where necessary.
- (2) Adjust the Radome according to AMM MPP 53-11-01/500.

