



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

HF ANTENNA ADAPTER - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH HF SYSTEM

1. General

- A. This section gives the procedures to remove and install the HF antenna adapter.
- B. The HF antenna adapter is installed in the dorsal fin.
- 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
23-11-05-000-801-A	HF ANTENNA ADAPTER - REMOVAL	AIRCRAFT WITH HF-230 OR DUAL KHF-950 SYSTEM OR KHF-1050 SYSTEM
23-11-05-400-801-A	HF ANTENNA ADAPTER - INSTALLATION	AIRCRAFT WITH HF-230 OR DUAL KHF-950 SYSTEM OR KHF-1050 SYSTEM



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TASK 23-11-05-000-801-A

EFFECTIVITY: AIRCRAFT WITH HF-230 OR DUAL KHF-950 SYSTEM OR KHF-1050 SYSTEM

2. HF ANTENNA ADAPTER - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the HF antenna adapter.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
322	322BR	Dorsal fin, RH
272	272DR	Rear electronic 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	At the dorsal fin, RH
1	Helps the other technician	At the rear electronic compartment

I. Preparation

SUBTASK 841-002-A

EFFECTIVITY: AIRCRAFT WITH HF-230 OR DUAL KHF-950 SYSTEM OR KHF-1050 SYSTEM

- (1) On the cockpit ceiling, on the circuit breaker panel, open the HF circuit breaker and attach a DO-NOT-CLOSE tag to it (Location Tip: DC BUS 2/COMM/HF).
- (2) Remove access panel 322BR (AMM MPP 06-42-00/100).

J. Removal (Figure 401)

SUBTASK 020-002-A

EFFECTIVITY: AIRCRAFT WITH HF-230 OR DUAL KHF-950 SYSTEM OR KHF-1050 SYSTEM

- (1) Remove the sealant from the nut (9) and the screws (8).



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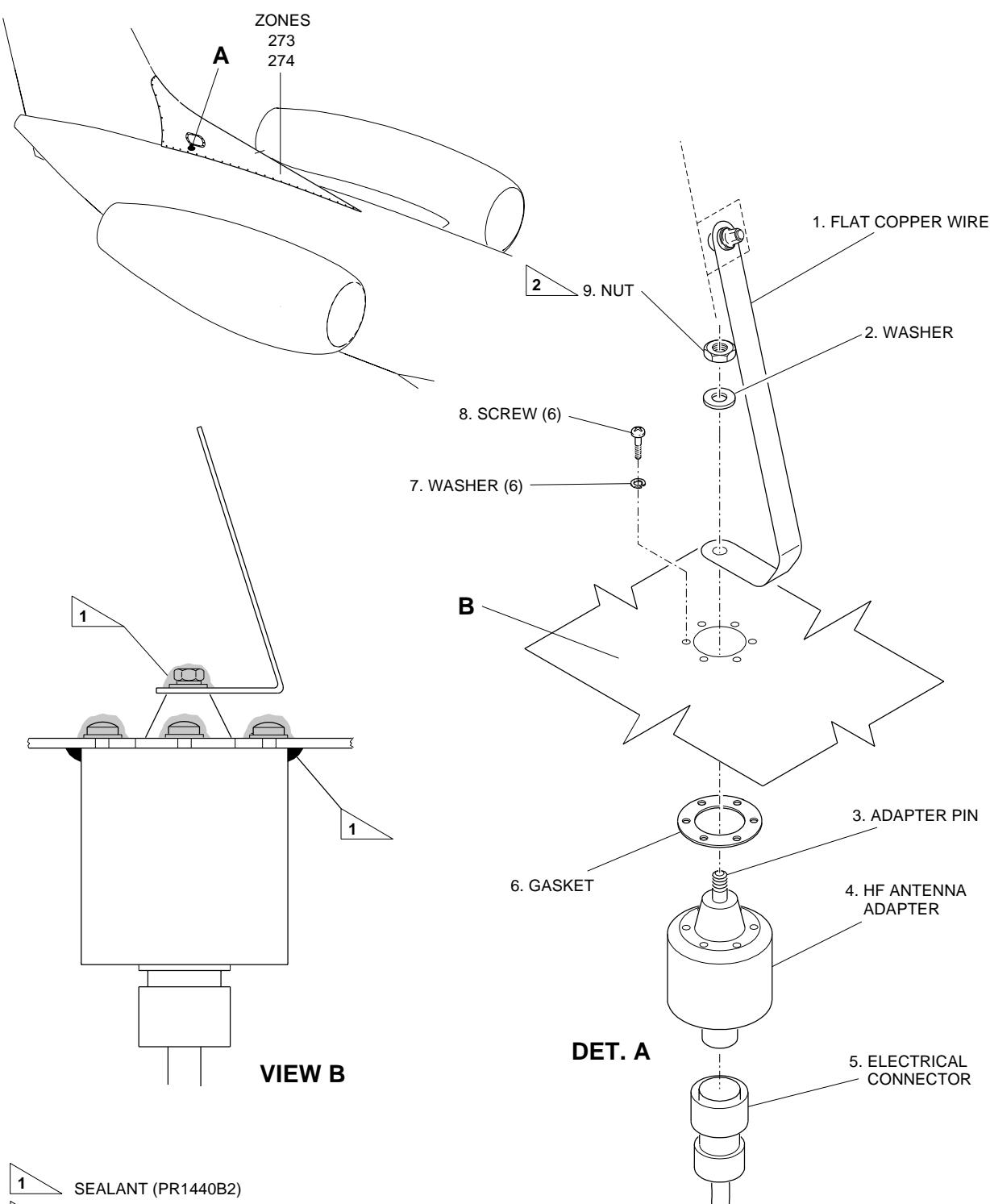
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- (2) On the rear electronic compartment ceiling, remove the sealant from around the HF antenna adapter (4).
- (3) Remove the nut (9) and washer (2) that attach the flat coupler wire (1) to the HF antenna adapter (4).
- (4) Carefully remove the flat coupler wire (1) from the HF antenna adapter (4).
- (5) Remove the screws (8) and washers (7) that attach the HF antenna adapter (4) to the fuselage.
- (6) Remove the HF antenna adapter (4).

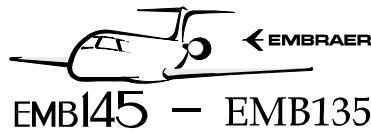
EFFECTIVITY: AIRCRAFT WITH HF-230 OR DUAL KHF-950 SYSTEM OR KHF-1050 SYSTEM

HF Antenna Adapter - Removal/Installation

Figure 401



EM145AMM231458B.DGN



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TASK 23-11-05-400-801-A

EFFECTIVITY: AIRCRAFT WITH HF-230 OR DUAL KHF-950 SYSTEM OR KHF-1050 SYSTEM

3. HF ANTENNA ADAPTER - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the HF antenna adapter.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 23-11-00-700-801-A/500	HF SYSTEM - FUNCTIONAL TEST
SRM 51-20-00	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
322	322BR	Dorsal fin, RH
272	272DR	Rear electronic compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
PR-1440B2 (Spec No. MIL-S-8802)	Sealant	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

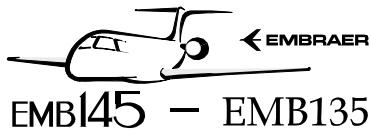
QTY	FUNCTION	PLACE
1	Does the task	At the dorsal fin, RH
1	Helps the other technician	At the rear electronic compartment

I. Installation (Figure 401)

SUBTASK 420-002-A

EFFECTIVITY: AIRCRAFT WITH HF-230 OR DUAL KHF-950 SYSTEM OR KHF-1050 SYSTEM

- (1) Install the gasket (6) on the HF antenna adapter (4).
- (2) Put the HF antenna adapter (4) in position.



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- (3) Install the washers (7) and the screws (8) that attach the HF antenna adapter (4) to the fuselage.
- (4) Carefully put the flat coupler wire (1) in position.
- (5) Install the washer (2) and the nut (9) that attach the flat coupler wire (1) to the HF antenna adapter (4).
- (6) Apply sealant as shown in figure 401 (SRM 51-20-00).
- (7) To decrease the sealant curing time, use table 401.

Table 401 - SEALANT PR1440B2 CURING TIME TABLE

TIME	72 hrs	36 hrs	18 hrs	9 hrs	4.5 hrs
TEMPERATURE	24°C	31°C	38°C	44°C	51°C
	75.2°F	87.8°F	100.4°F	111.2°F	123.8°F

J. Follow-on

SUBTASK 842-002-A

EFFECTIVITY: AIRCRAFT WITH HF-230 OR DUAL KHF-950 SYSTEM OR KHF-1050 SYSTEM

- (1) On the cockpit ceiling, on the circuit breaker panel, close the HF circuit breaker and remove the DO-NOT-CLOSE tag from it (Location Tip: DC BUS 2/COMM/HF).
- (2) Do the HF system functional test ([AMM TASK 23-11-00-700-801-A/500](#)).
- (3) Install access panel 322BR (AMM MPP 06-42-00/100).