

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 |

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

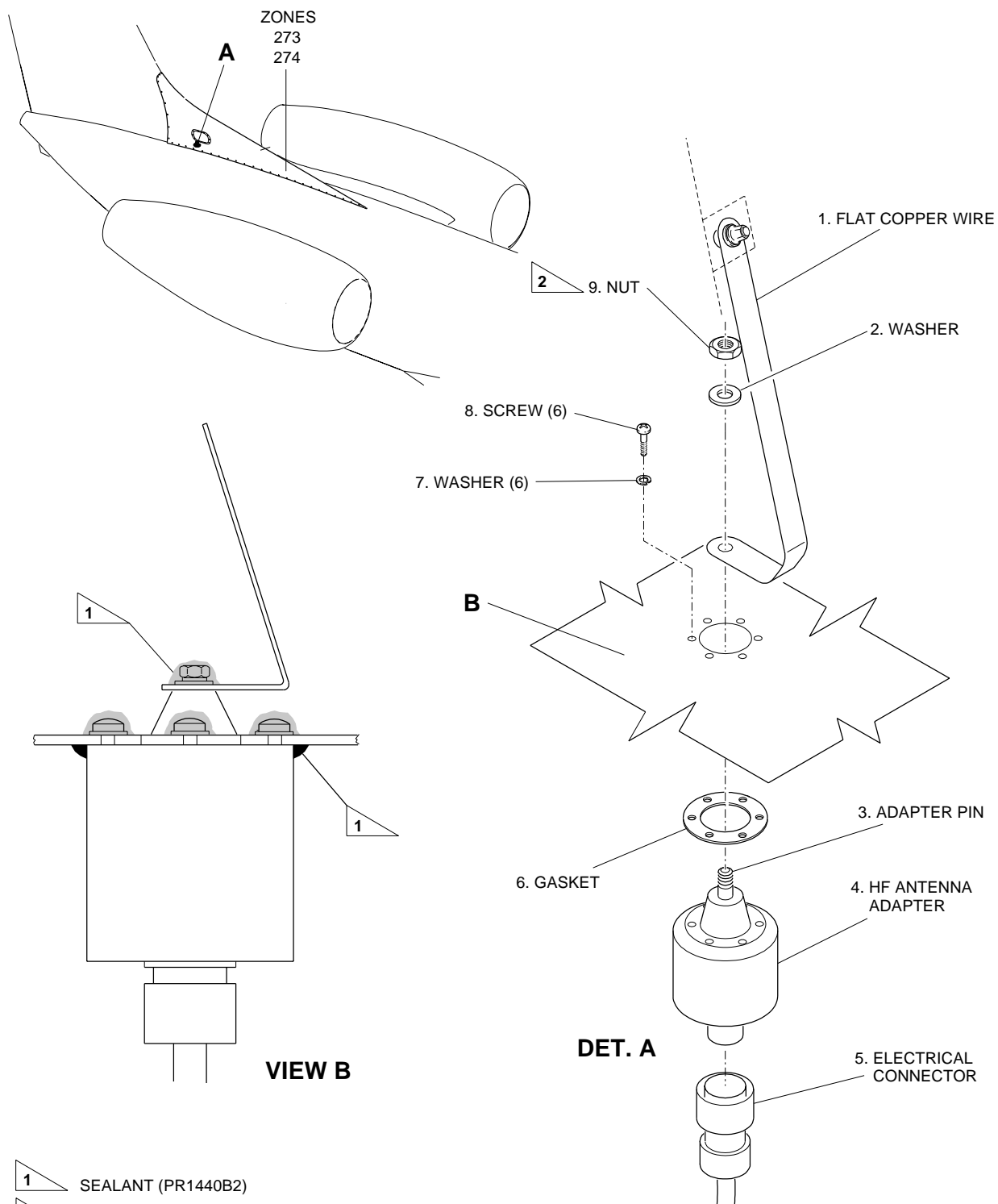
(1) Remove the sealant from the nut (9) and the screws (8).

- (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

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.

- (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).