



## AIRCRAFT MAINTENANCE MANUAL

### HF TRANSCEIVER - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH HF SYSTEM

#### 1. General

- A. This section gives the procedures to remove and install the HF Transceiver.
- 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
23-11-02-000-801-A	HF TRANSCEIVER - REMOVAL	AIRCRAFT WITH HF-230 SYSTEM
23-11-02-400-801-A	HF TRANSCEIVER - INSTALLATION	AIRCRAFT WITH HF-230 SYSTEM
23-11-02-000-802-A	HF TRANSCEIVER - REMOVAL	AIRCRAFT WITH SINGLE KHF-950 OR SINGLE KHF-1050 SYSTEM
23-11-02-400-802-A	HF TRANSCEIVER - INSTALLATION	AIRCRAFT WITH SINGLE KHF-950 OR SINGLE KHF-1050 SYSTEM



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TASK 23-11-02-000-801-A

EFFECTIVITY: AIRCRAFT WITH HF-230 SYSTEM

2. HF TRANSCEIVER - REMOVAL

A. General

- (1) This task gives the procedures to remove the HF Transceiver.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
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 rear electronic compartment

I. Preparation

SUBTASK 841-002-A

EFFECTIVITY: AIRCRAFT WITH HF-230 SYSTEM

- (1) 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) Open access door 272DR (AMM MPP 06-41-01/100).

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

SUBTASK 020-002-A

EFFECTIVITY: AIRCRAFT WITH HF-230 SYSTEM

- (1) Disconnect the electrical connectors (3) and (4).
- (2) Release the locks (2) which attach the HF Transceiver (1).



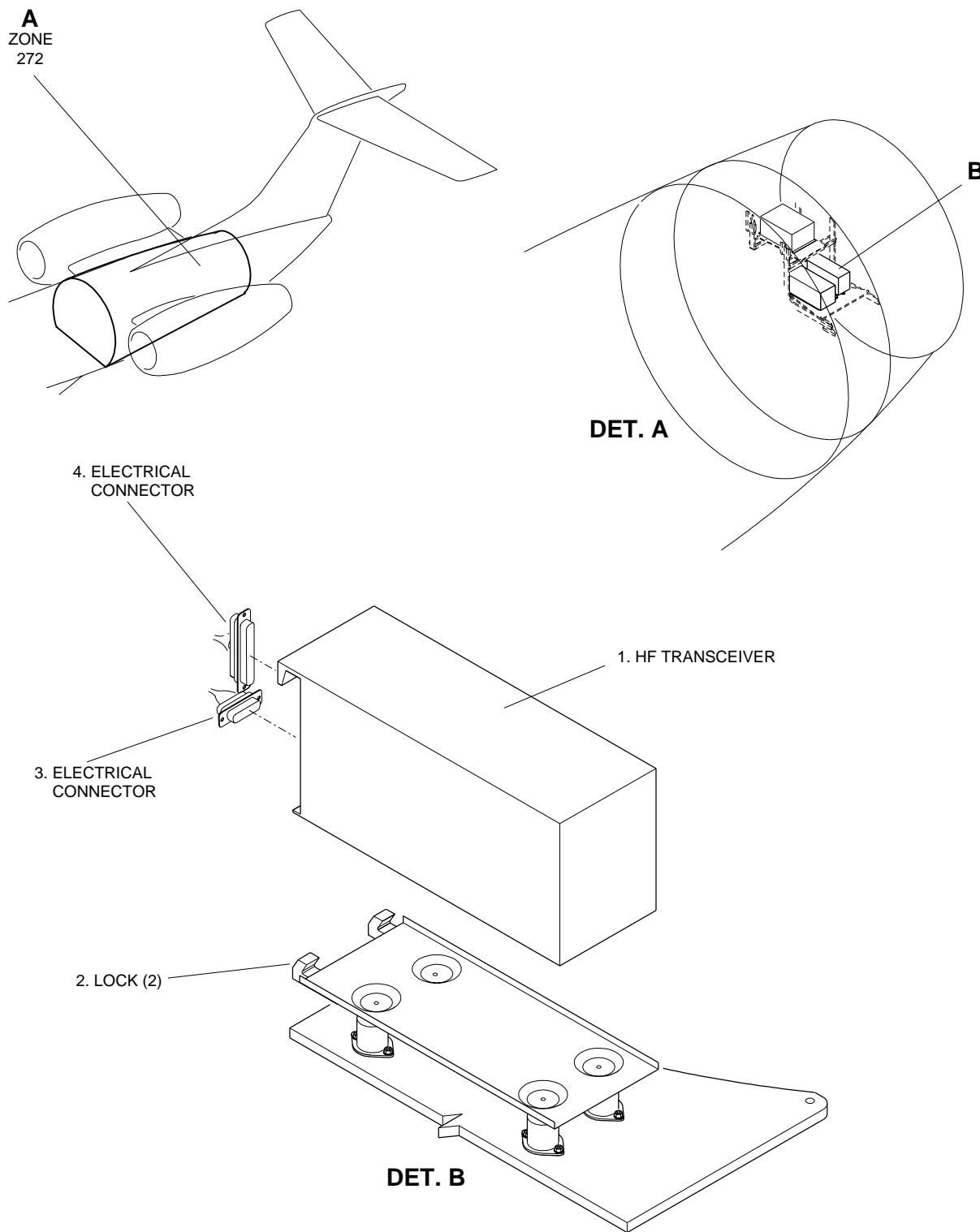
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- 
- (3) Remove the HF Transceiver (1) from the mounting rack.

**EFFECTIVITY: AIRCRAFT WITH HF-230 SYSTEM**

HF Transceiver - Removal/Installation

Figure 401



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TASK 23-11-02-400-801-A

EFFECTIVITY: AIRCRAFT WITH HF-230 SYSTEM

3. HF TRANSCEIVER - INSTALLATION

A. General

- (1) This task gives the procedures to install the HF Transceiver.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 23-11-00-700-801-A/500	HF SYSTEM - FUNCTIONAL TEST

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
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 rear electronic compartment

I. Installation (Figure 401)

SUBTASK 420-002-A

EFFECTIVITY: AIRCRAFT WITH HF-230 SYSTEM

- (1) Install the HF Transceiver (1) on the mounting rack.
- (2) Tighten the two locks (2) which attach the HF Transceiver (1) to the mounting rack.
- (3) Connect the electrical connectors (3) and (4).



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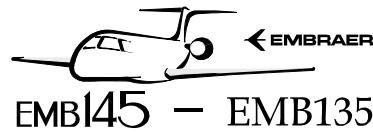
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J. Follow-on

SUBTASK 842-002-A

EFFECTIVITY: AIRCRAFT WITH HF-230 SYSTEM

- (1) 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 an operational test of the HF Transceiver system ([AMM TASK 23-11-00-700-801-A/500](#)).
- (3) Close access door 272DR (AMM MPP 06-41-01/100).



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TASK 23-11-02-000-802-A

EFFECTIVITY: AIRCRAFT WITH SINGLE KHF-950 OR SINGLE KHF-1050 SYSTEM

4. HF TRANSCEIVER - REMOVAL

A. General

- (1) This task gives the procedures to remove the HF Transceiver with SINGLE HF SYSTEM.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
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 rear electronic compartment

I. Preparation

SUBTASK 841-003-A

EFFECTIVITY: AIRCRAFT WITH SINGLE KHF-950 OR SINGLE KHF-1050 SYSTEM

- (1) 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) Open access door 272DR (AMM MPP 06-41-01/100).

J. Removal (Figure 402) (Figure 403)

SUBTASK 020-003-A

EFFECTIVITY: AIRCRAFT WITH SINGLE KHF-950 OR SINGLE KHF 1050 SYSTEM

CAUTION: DO NOT TOUCH THE ELECTRICAL PINS OF THE CONNECTORS. DAMAGE CAN OCCUR TO THE INTERNAL ESDS COMPONENTS.

- (1) Disconnect the electrical connectors (2).



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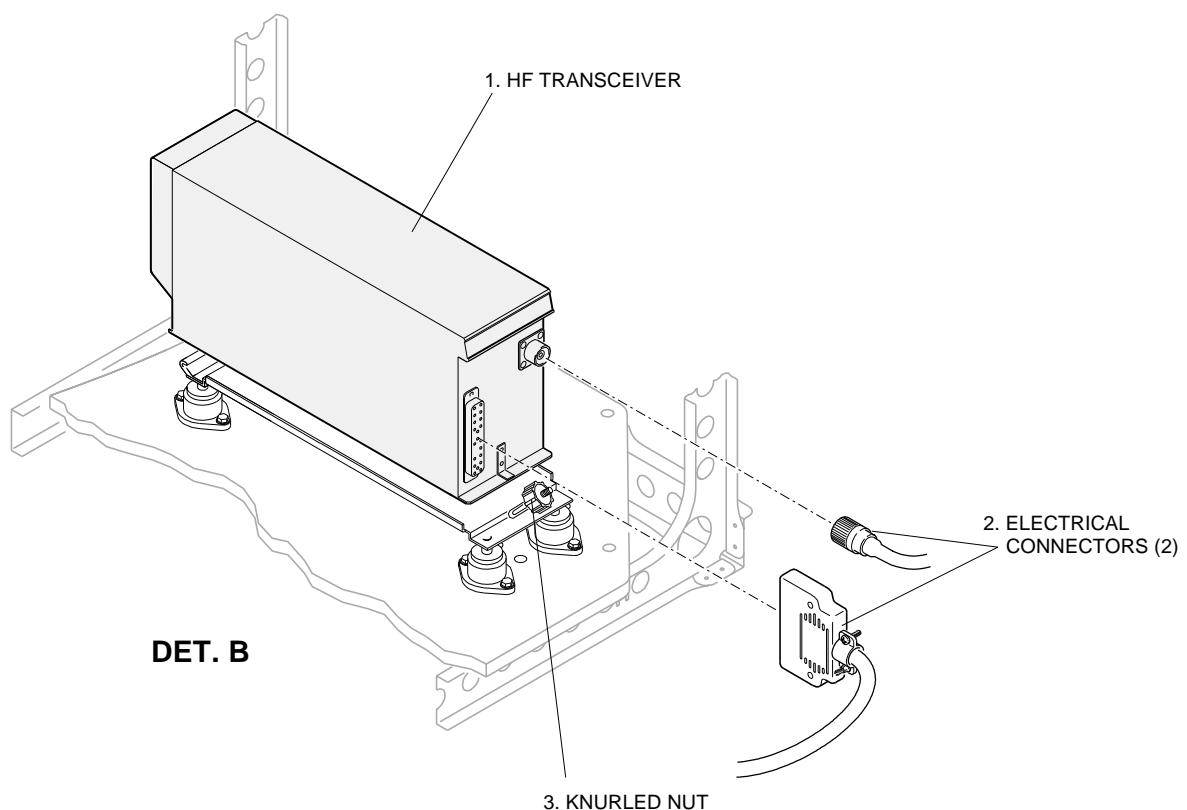
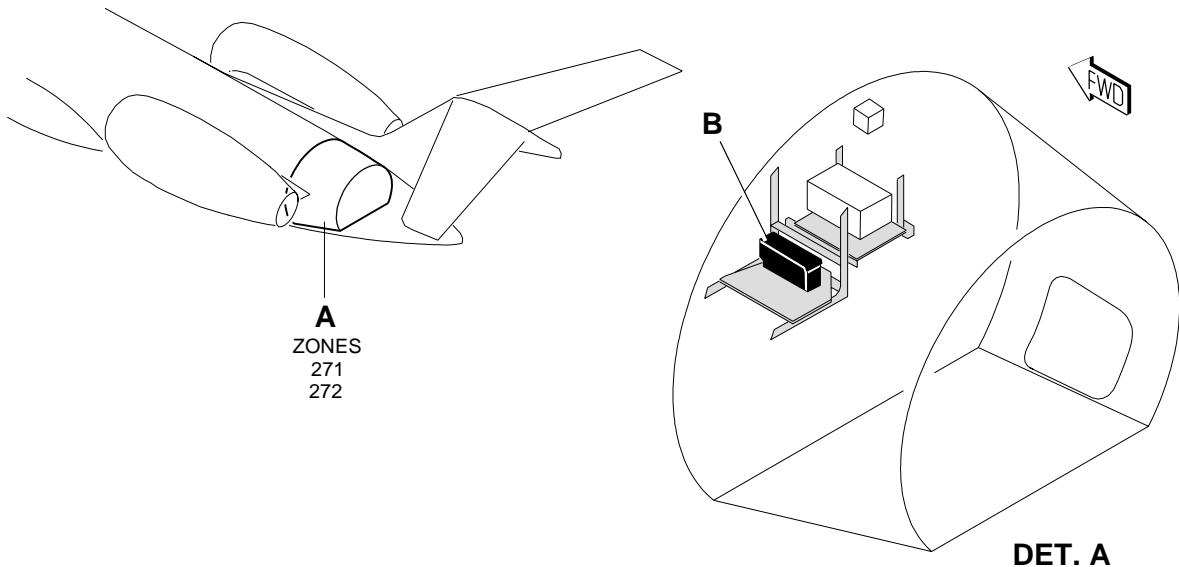
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- (2) Install the ESD protection caps on the electrical connectors (2).
- (3) (FOR AIRCRAFT WITH KHF-950 SYSTEM) Release the knurled nut (3) which attaches the HF Transceiver (1).
- (4) (FOR AIRCRAFT WITH KHF-1050 SYSTEM) Release the knurled nuts (3) which attach the HF Transceiver (1).
- (5) Remove the HF Transceiver (1) from the mounting rack.

**EFFECTIVITY: AIRCRAFT WITH SINGLE KHF-950 SYSTEM**

HF Transceiver KTR-953 - Removal/Installation

Figure 402

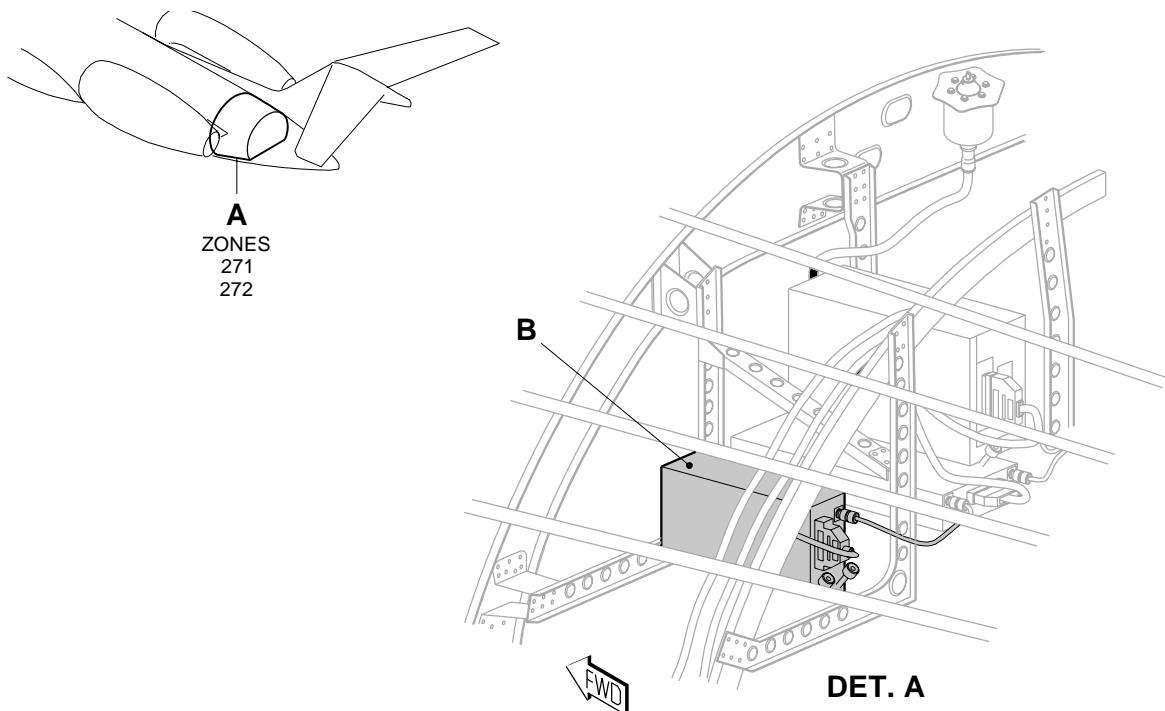


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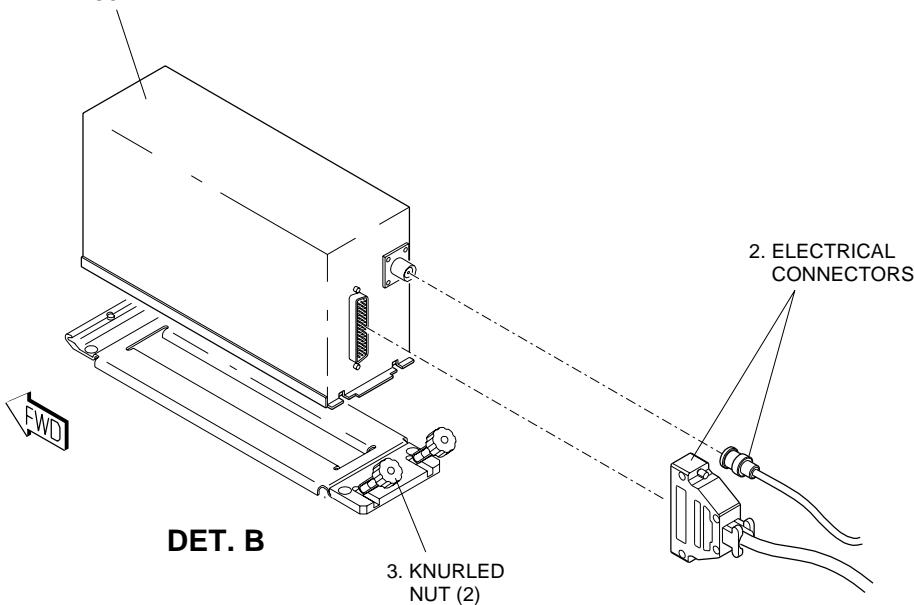
**EFFECTIVITY: AIRCRAFT WITH SINGLE KHF-1050 SYSTEM**

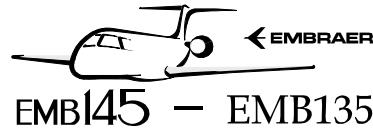
HF Transceiver (KTR-1053 Model) - Removal/Installation

Figure 403



1. TRANSCEIVER





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TASK 23-11-02-400-802-A

EFFECTIVITY: AIRCRAFT WITH SINGLE KHF-950 OR SINGLE KHF-1050 SYSTEM

5. HF TRANSCEIVER - INSTALLATION

A. General

- (1) This task gives the procedures to install the HF Transceiver with SINGLE HF SYSTEM.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 23-11-00-700-802-A/500	HF SYSTEM - FUNCTIONAL TEST

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
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 rear electronic compartment

I. Installation (Figure 402) (Figure 403)

SUBTASK 420-003-A

EFFECTIVITY: AIRCRAFT WITH SINGLE KHF-950 OR SINGLE KHF-1050 SYSTEM

- (1) Install the HF Transceiver (1) on the mounting rack.
- (2) (FOR AIRCRAFT WITH KHF-950 SYSTEM) Tighten the knurled nut (3) which attaches the HF Transceiver (1) to the mounting rack.
- (3) (FOR AIRCRAFT WITH KHF-1050 SYSTEM) Tighten the knurled nuts (3) which attach the HF Transceiver (1) to the mounting rack.
- (4) Remove the ESD protection caps from the electrical connectors (2).
- (5) Connect the electrical connectors (2).



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J. Follow-on

SUBTASK 842-003-A

EFFECTIVITY: AIRCRAFT WITH SINGLE KHF-950 OR SINGLE KHF-1050 SYSTEM

- (1) 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 an operational test of the HF system ( [AMM TASK 23-11-00-700-802-A/500](#)).
- (3) Close access door 272DR (AMM MPP 06-41-01/100).