

## IRIDIUM TRANSCEIVER - REMOVAL/INSTALLATION

*EFFECTIVITY: ACFT MODEL(S) EMB-135*

### 1. General

- A. This section gives the procedures to remove and install the Iridium 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
23-15-28-000-801-A	IRIDIUM TRANSCEIVER - REMOVAL	FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM
23-15-28-400-801-A	IRIDIUM TRANSCEIVER - INSTALLATION	FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

TASK 23-15-28-000-801-A

*EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM*

## 2. IRIDIUM TRANSCEIVER - REMOVAL

### A. General

- (1) This task gives the procedures to remove the Iridium Transceiver.
- (2) The removal procedures are the same for the two Iridium Transceivers.

### B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272		Rear Electronic Compartment

### 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	Passenger cabin

### H. Preparation

*SUBTASK 841-006-A*

*EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM*

- (1) On the Circuit Breaker Panel (Location Tip: SHED DC BUS 2), open these circuit breakers and attach a DO-NOT-CLOSE tag to them:
  - Transceiver 1.
  - Transceiver 2.

### I. Removal (Figure 401)

*SUBTASK 020-005-A*

*EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM*

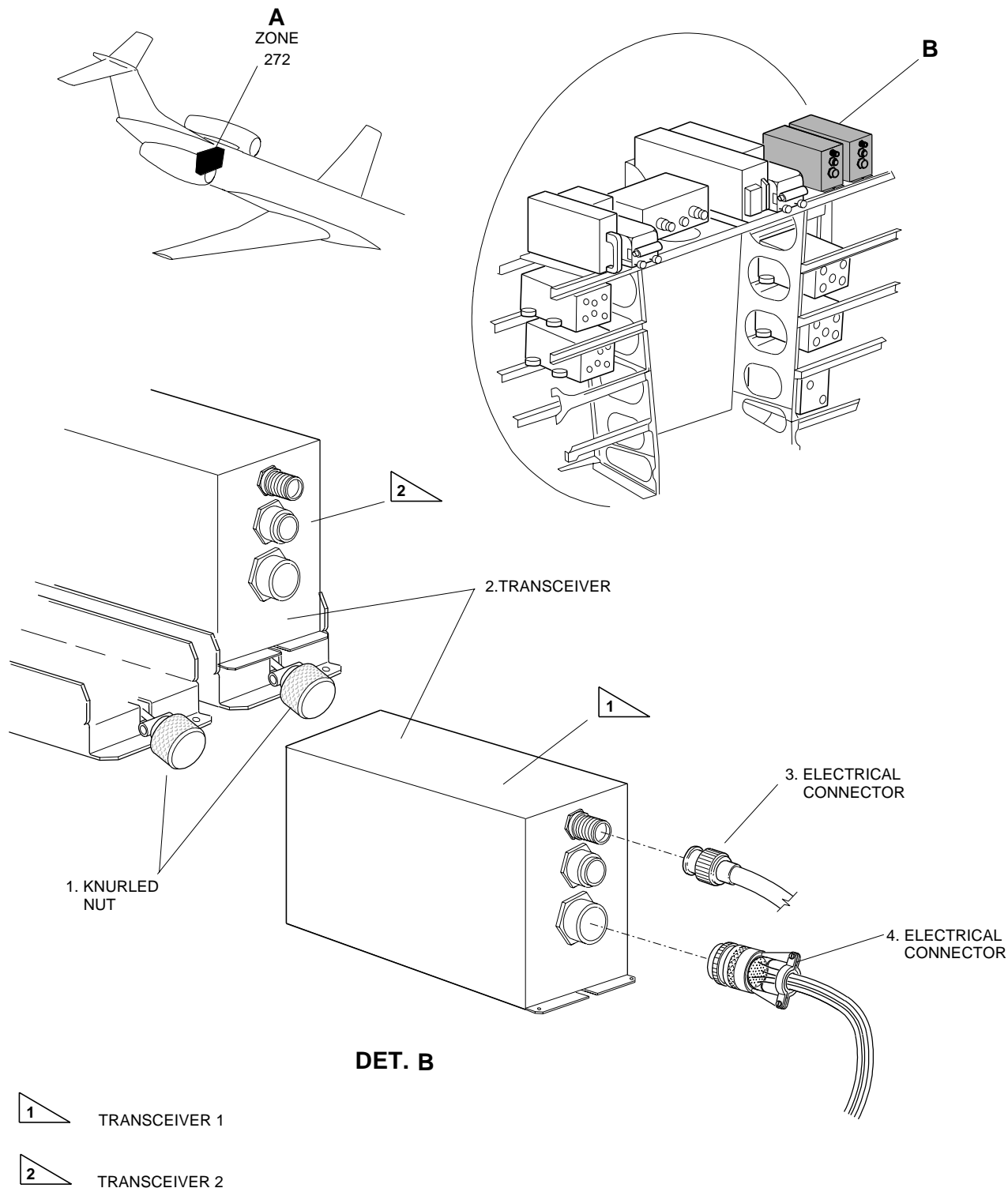
- (1) To remove the Iridium Transceiver, do as follows:
  - (a) Disconnect the electrical connectors (3) and (4).
  - (b) Release the knurled nut (1) which attaches the Iridium Transceiver (2).

- (c) Remove the Iridium Transceiver (2) from the mounting rack.
- (d) Install protection caps on the electrical connectors (3) and (4).

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

Iridium Transceiver - Removal/Installation

Figure 401



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TASK 23-15-28-400-801-A

*EFFECTIVITY: FOR AIRCRAFT WITH IRIIDIUM-SATELLITE COMMUNICATIONS SYSTEM*

### 3. IRIDIUM TRANSCEIVER - INSTALLATION

#### A. General

- (1) This task gives the procedures to install the Iridium Transceiver.
- (2) The installation procedures are the same for the two Iridium Transceivers.

#### B. References

REFERENCE	DESIGNATION
AMM TASK 23-15-00-700-801-A/500	-

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272		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	Passenger cabin

#### I. Installation (Figure 401)

*SUBTASK 420-005-A*

*EFFECTIVITY: FOR AIRCRAFT WITH IRIIDIUM-SATELLITE COMMUNICATIONS SYSTEM*

- (1) To install the Iridium Transceiver, do as follows:
  - (a) Remove the protection caps from the electrical connectors (3) and (4).
  - (b) Install the Iridium Transceiver (2) on the mounting rack.
  - (c) Tighten the knurled nut (1) which attaches the Iridium Transceiver (2).
  - (d) Connect the electrical connectors (3) and (4).

J. Follow-on

*SUBTASK 842-006-A*

*EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM*

- (1) On the Circuit Breakers Panel (Location Tip: SHED DC BUS 2), remove the DO-NOT-CLOSE tags from these circuit breakers and close them:
  - Transceiver 1.
  - Transceiver 2.
- (2) Do the Telephone System operational test (AMM TASK 23-15-00-700-801-A/500).