



AIRCRAFT MAINTENANCE MANUAL

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



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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

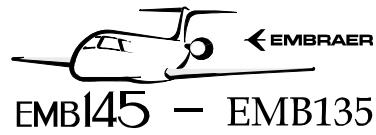
- (1) On the Circuit Breaker Panel (Location Tip: SHED DC BUS 2), open these circuit breakers and attach a DO-NOT-CLOSE tag to them:
 - Transceiver 1.
 - Transceiver 2.

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).



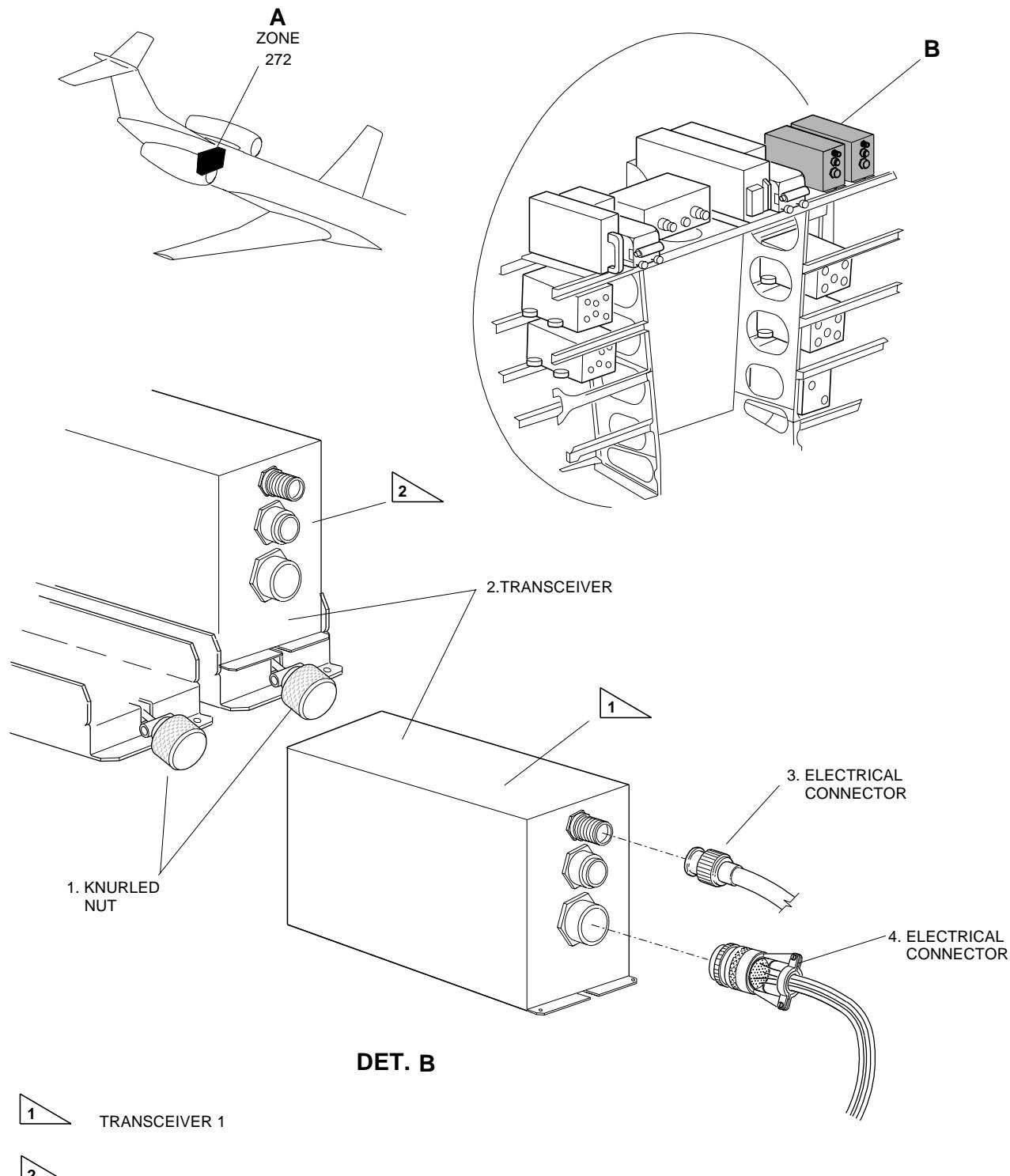
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- (c) Remove the Iridium Transceiver (2) from the mounting rack.
- (d) Install protection caps on the electrical connectors (3) and (4).

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 IRIDIUM-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 IRIDIUM-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).



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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).