



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

V/UHF TRANSCEIVER - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH SINGLE V/UHF SYSTEM

1. General

- A. This section gives the procedures to remove and install the transceiver of the V/UHF communications system.
- 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
23-14-02-000-801-A	V/UHF TRANSCEIVER - REMOVAL	AIRCRAFT WITH SINGLE V/UHF SYSTEM
23-14-02-400-801-A	V/UHF TRANSCEIVER - INSTALLATION	AIRCRAFT WITH SINGLE V/UHF SYSTEM



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 23-14-02-000-801-A

EFFECTIVITY: AIRCRAFT WITH SINGLE V/UHF SYSTEM

2. V/UHF TRANSCEIVER - REMOVAL

A. General

- (1) This task gives the procedures to remove the V/UHF transceiver.
- (2) The V/UHF transceiver is installed in the rear electronic compartment.

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	Rear electronic compartment

I. Preparation

SUBTASK 841-003-A

- (1) Make sure that the aircraft is safe for maintenance.
- (2) On the circuit-breaker panel, open the V/UHF XCVR circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (3) Open access door 272DR (AMM MPP 06-41-01/100).

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

SUBTASK 020-003-A

CAUTION: IDENTIFY ALL REMOVED CABLES AND THEIR JACKS TO PREVENT INCORRECT CONNECTION WHEN YOU INSTALL THE EQUIPMENT BACK.



AIRCRAFT
MAINTENANCE MANUAL

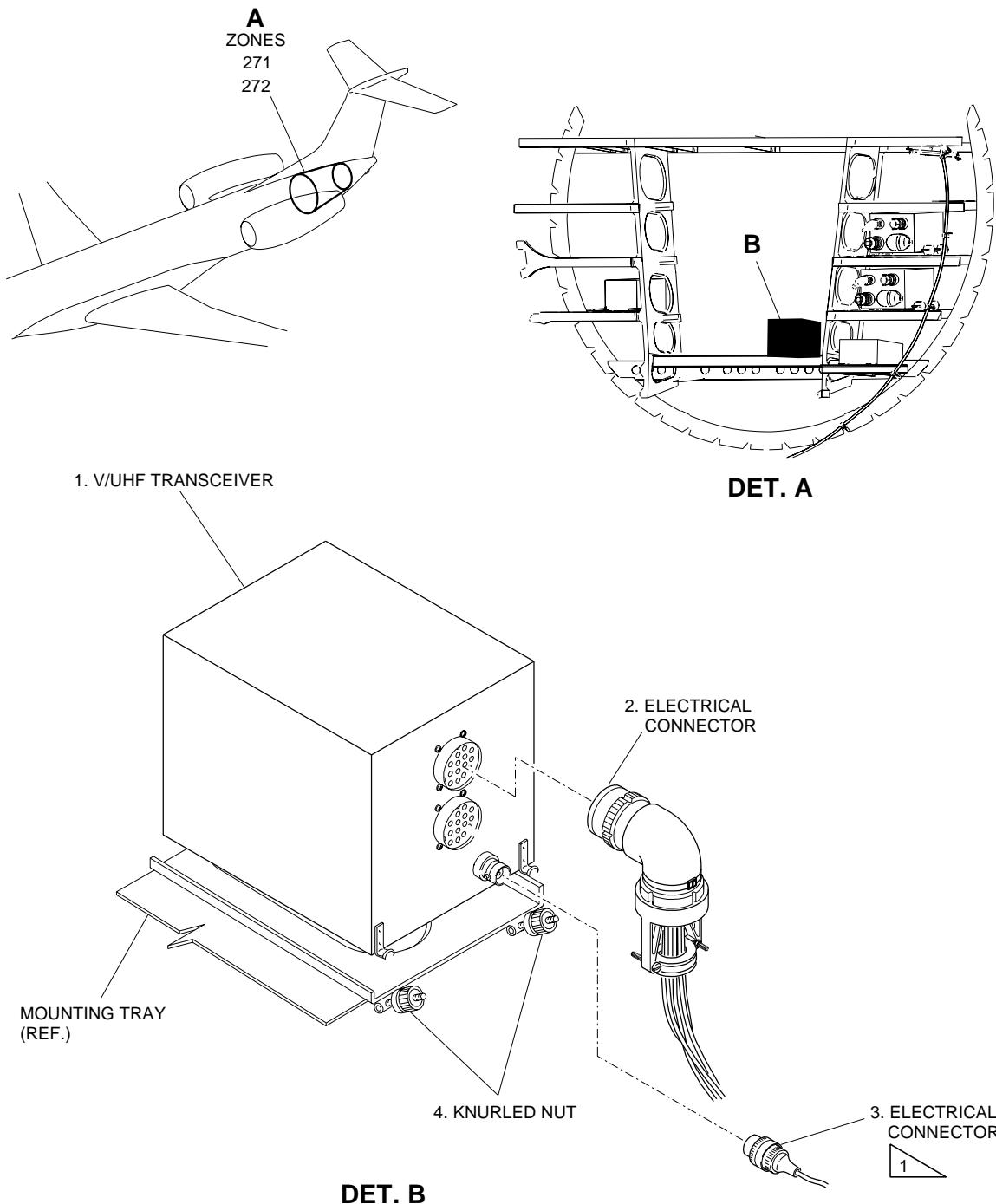
CAUTION: DO NOT TOUCH THE ELECTRICAL PINS OF THE CONNECTORS. DAMAGE CAN OCCUR TO THE INTERNAL COMPONENTS.

- (1) Identify and disconnect the electrical connectors (2) and (3) from the V/UHF transceiver (1).
- (2) Install the correct ESD protective caps on the disconnected electrical connectors.
- (3) Release the knurled nuts (4) that attach the V/UHF transceiver (1) to the mounting tray.
- (4) Carefully remove the V/UHF transceiver (1) from the mounting tray.

EFFECTIVITY: AIRCRAFT WITH SINGLE V/UHF SYSTEM

V/UHF Transceiver - Removal/Installation

Figure 401



 TORQUE: 4.5 N.m (40 lb.in)

EM145AMM231190A.DGN



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 23-14-02-400-801-A

EFFECTIVITY: AIRCRAFT WITH SINGLE V/UHF SYSTEM

3. V/UHF TRANSCEIVER - INSTALLATION

A. General

- (1) This task gives the procedures to install the V/UHF transceiver.
- (2) The V/UHF transceiver is installed in the rear electronic compartment.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 23-14-00-700-801-A/500	-
AMM TASK 23-14-00-800-801-A/200	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272DR	Rear electronic compartment

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench	To torque	

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	Rear electronic compartment

I. Installation (Figure 401)

SUBTASK 420-003-A

CAUTION: SEE THE IDENTIFICATION OF THE ELECTRICAL CABLES TO MAKE SURE THAT THEY ARE INSTALLED CORRECTLY.

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



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

- (1) Remove the ESD protective caps from the electrical connectors.
- (2) Put the V/UHF transceiver (1) in position in the mounting tray.
- (3) Tighten the knurled nuts (4) to attach the V/UHF transceiver (1) to the mounting tray.
- (4) Connect the electrical connectors (2) and (3) to the V/UHF transceiver (1).
- (5) Use a torque wrench to torque the electrical connector (3) to 4.5 N.m (40 lb.in).

J. Follow-on

SUBTASK 842-003-A

- (1) On the circuit-breaker panel, close the V/UHF XCVR circuit breaker and remove the DO-NOT-CLOSE tag from it
- (2) **NOTE:** When the V/UHF transceiver is replaced with a new or repaired unit, it is necessary to reconfigure the V/UHF system (AMM TASK 23-14-00-800-801-A/200).

Do the V/UHF Functional Test (AMM TASK 23-14-00-700-801-A/500).

- (3) Close access door 272DR (AMM MPP 06-41-01/100).