

V/UHF FILTER - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH SINGLE V/UHF SYSTEM

1. General

- A. This section gives the procedures to remove and install the V/UHF Filter.
- 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
23-14-08-000-801-A	V/UHF FILTER - REMOVAL	AIRCRAFT WITH SINGLE V/UHF SYSTEM
23-14-08-400-801-A	V/UHF FILTER - INSTALLATION	AIRCRAFT WITH SINGLE V/UHF SYSTEM

TASK 23-14-08-000-801-A

EFFECTIVITY: AIRCRAFT WITH SINGLE V/UHF SYSTEM

2. V/UHF FILTER - REMOVAL

A. General

- (1) This task gives the procedures to remove the V/UHF filter.
- (2) The V/UHF filter 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

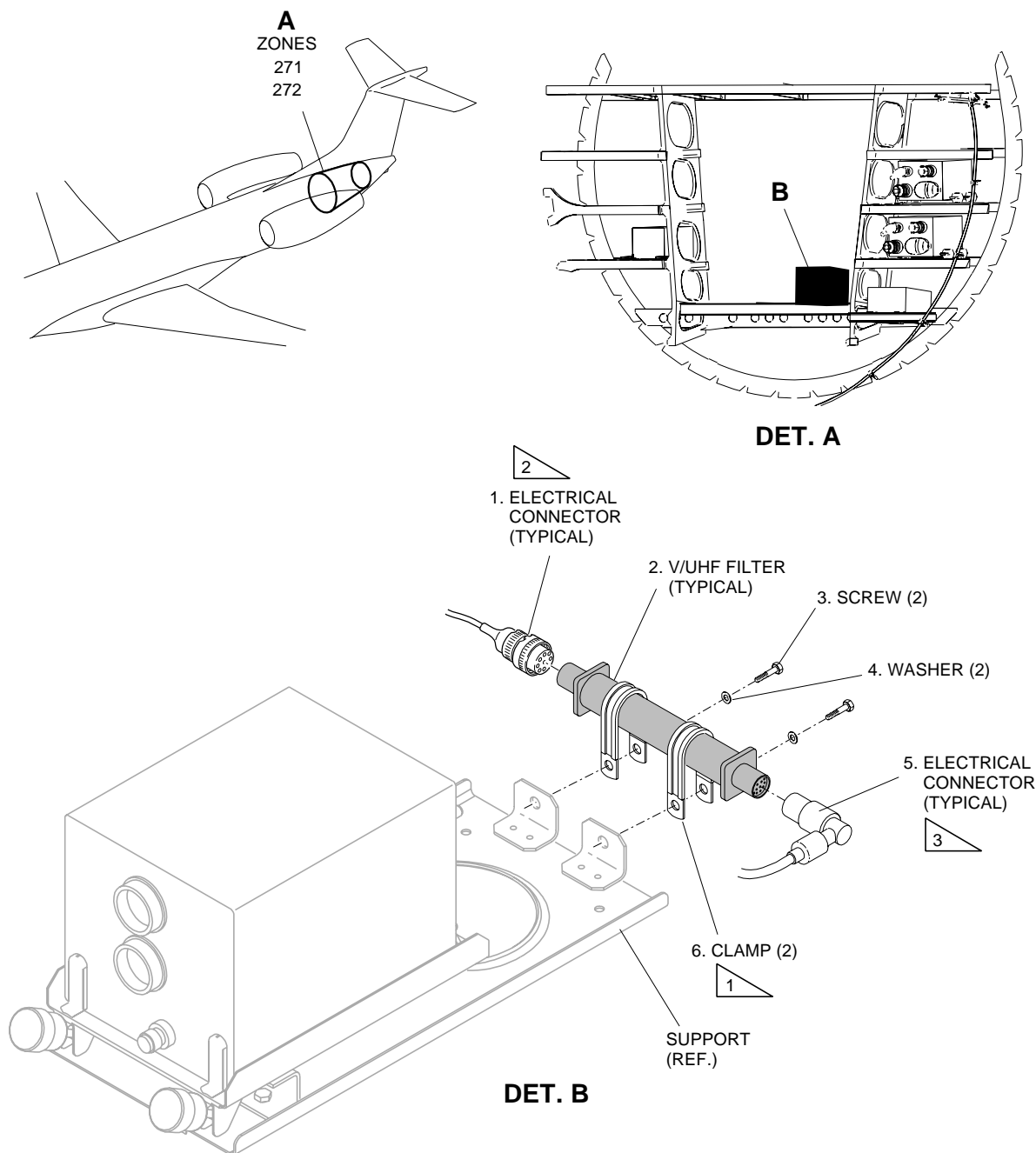
- (1) Disconnect the electrical connectors (1) and (5) from the V/UHF filter (2).

- (2) Install protection caps on the disconnected electrical connectors.
- (3) Remove the screws (3) and washers (4) that attach the V/UHF filter (2) to the support.
- (4) Remove the clamps (6) from the V/UHF filter (2).

EFFECTIVITY: AIRCRAFT WITH SINGLE V/UHF SYSTEM

V/UHF Filter - Removal/Installation

Figure 401



1 ELECTRICAL BONDING (METHOD 6).

2 TORQUE: 5.6 N.m (50 lb.in)

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

EM145AMM231192A.DGN

TASK 23-14-08-400-801-A

EFFECTIVITY: AIRCRAFT WITH SINGLE V/UHF SYSTEM

3. V/UHF FILTER - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 20-13-21-700-801-A/200	ELECTRICAL BONDING TEST - STANDARD PROCEDURES
AMM TASK 20-13-21-910-801-A/200	TYPES OF ELECTRICAL BONDING AND SURFACE PREPARATION - STANDARD PROCEDURES
AMM TASK 23-14-00-700-801-A/500	-

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

- (1) Remove the protection caps from the electrical connectors (1) and (5).
- (2) Install the clamps (6) on the V/UHF filter (2).

CAUTION: IF THE ELECTRICAL BONDING DEVICE DOES NOT MAKE UP A GOOD ELECTRIC CONDUCTIVE PATH, DAMAGE CAN OCCUR TO THE AIRCRAFT OR THE EQUIPMENT.

- (3) Do the electrical bonding procedures, method 6, on the screws (3), washers (4), clamps (6) and the support ([AMM TASK 20-13-21-910-801-A/200](#)).
- (4) Put the V/UHF filter (2) and clamps (6) in position at the support.
- (5) Install the screws (3) and washers (4) that attach the V/UHF filter (2) to the support.
- (6) Do the bonding test between the clamps (6) and aircraft ground ([AMM TASK 20-13-21-700-801-A/200](#)).
- (7) Connect the electrical connectors (1) and (5) to the V/UHF filter (2).
- (8) Use a torque wrench to torque the electrical connector (1) to 5.6 N.m (50 lb.in).
- (9) Use a torque wrench to torque the electrical connector (5) to 4.5 N.m (40 lb.in).

J. Follow-on

SUBTASK 842-003-A

- (1) Close access door 272DR (AMM MPP 06-41-01/100).
- (2) On the circuit-breaker panel, close the V/UHF XCVR circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (3) Do the V/UHF Functional Test (AMM TASK 23-14-00-700-801-A/500).