



## AIRCRAFT MAINTENANCE MANUAL

### VHF-3 TRANSCEIVER - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH VHF-3

#### 1. General

- A. This section gives the procedures to remove and install the VHF-3 Transceiver.
- B. The VHF-3 Transceiver is installed in the forward electronic compartment.
- C. 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
23-12-02-000-801-A	VHF-3 TRANSCEIVER - REMOVAL	AIRCRAFT WITH VHF-3
23-12-02-400-801-A	VHF-3 TRANSCEIVER - INSTALLATION	AIRCRAFT WITH VHF-3



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TASK 23-12-02-000-801-A

EFFECTIVITY: AIRCRAFT WITH VHF-3

2. VHF-3 TRANSCEIVER - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the VHF-3 Transceiver.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
SB145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113CZ	Forward 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 forward electronic compartment

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the VHF-3 circuit breaker and attach a DO-NOT-CLOSE tag to it (Location Tip: DC BUS 1/COMM/VHF 3).
- (2) (AIRCRAFT WITH CMU) On the circuit breaker panel, open the CMU circuit breaker and attach a DO-NOT-CLOSE tag to it (Location Tip: DC BUS 1/COMM/CMU).
- (3) (PRE-MOD SB145-32-0036) Make sure that the pressure in hydraulic system 1 is fully released ( AMM TASK 29-10-00-860-802-A/200).



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(4) (POST-MOD [SB145-32-0036](#)) Install the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).

(5) Open access door 113CZ (AMM MPP 06-41-01/100).

### J. Removal ([Figure 401](#)) ([Figure 402](#))

#### SUBTASK 020-002-A

(1) NOTE: • For aircraft with Honeywell VHF-3 Transceiver, refer to [Figure 401](#).  
• For aircraft with Collins VHF-3 Transceiver, refer to [Figure 402](#).

(2) Release the two knurled nuts (3).

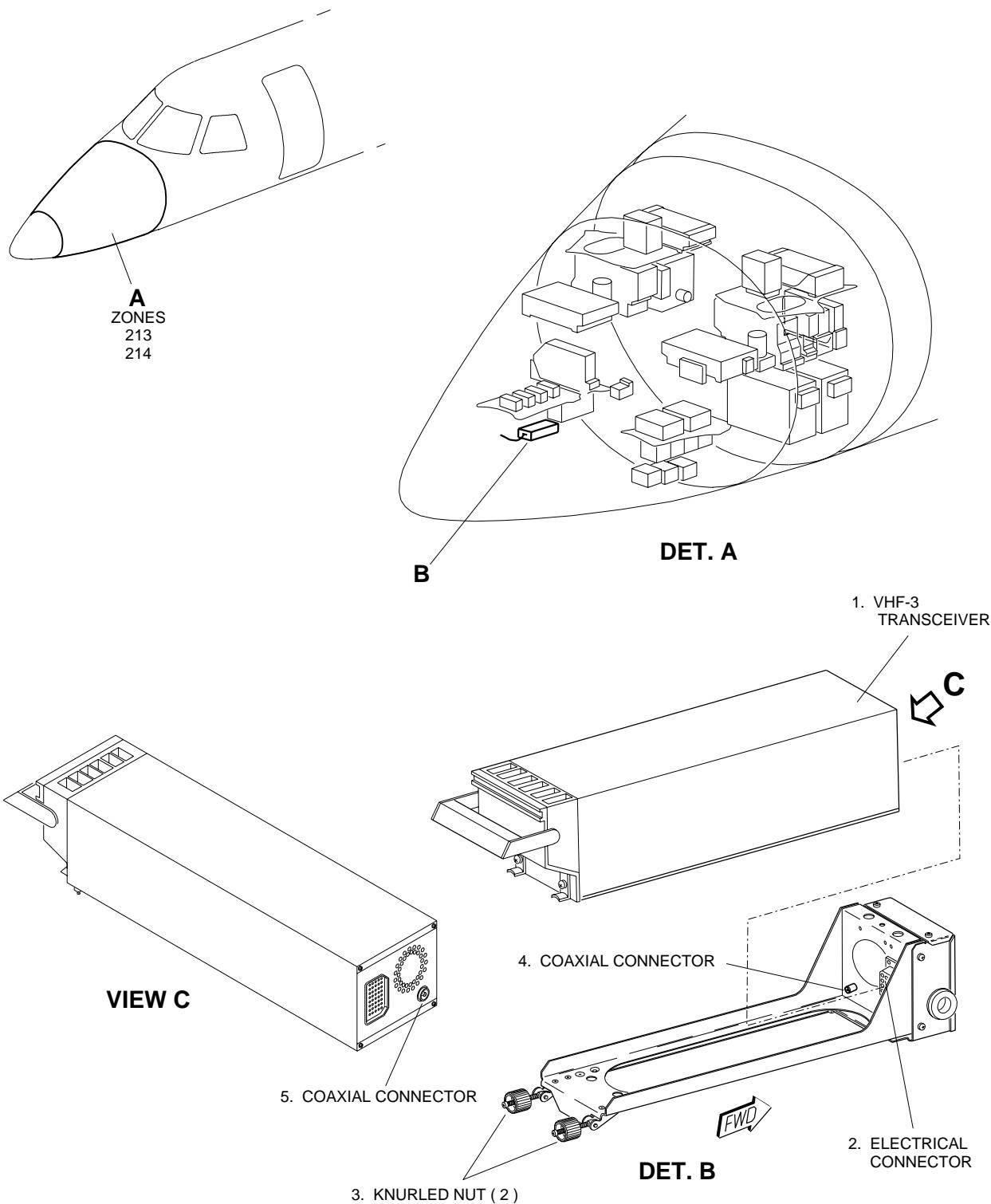
(3) Pull the VHF-3 Transceiver (1) until it is disconnected from the electrical (2) and coaxial (4) connectors attached to the mounting rack.

(4) Remove the VHF-3 Transceiver (1).

**EFFECTIVITY: AIRCRAFT WITH HONEYWELL VHF-3 TRANSCEIVER**

Honeywell VHF-3 Transceiver - Removal/Installation

Figure 401

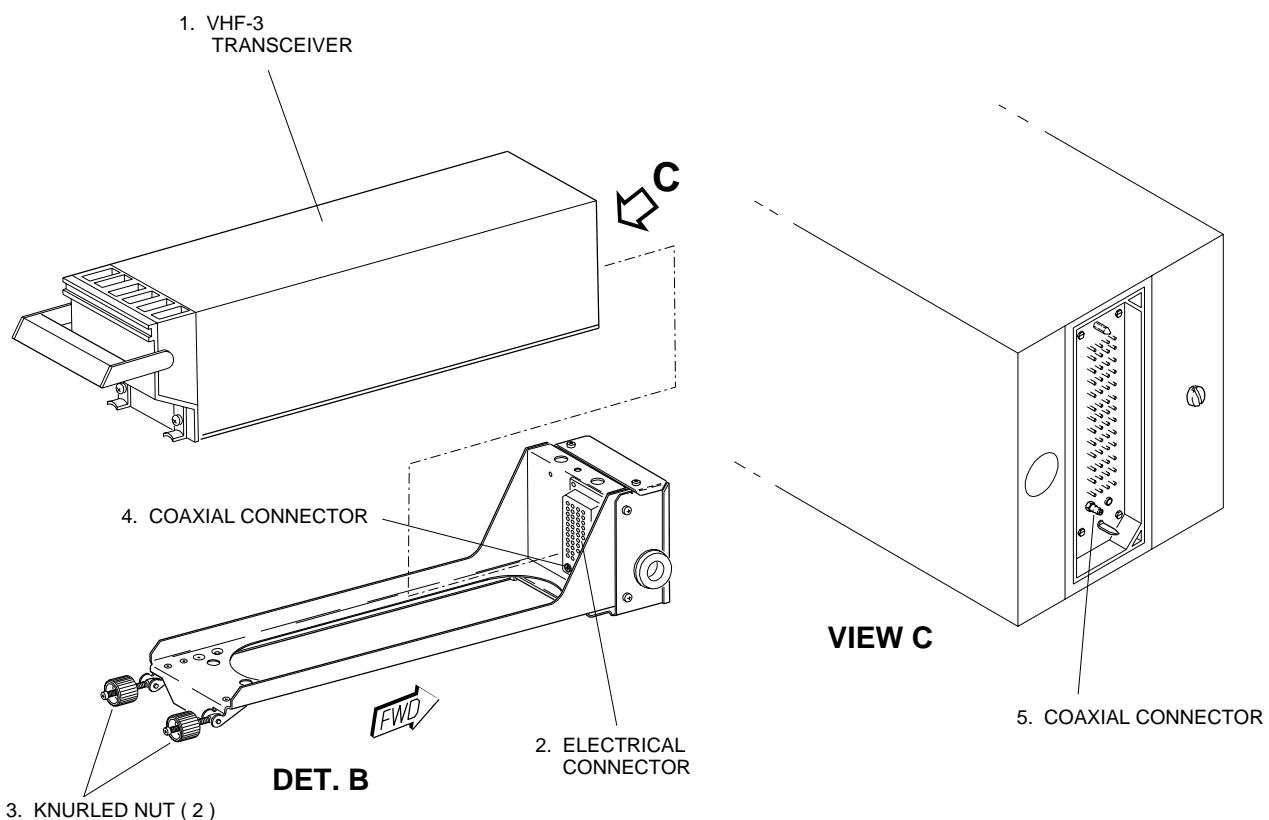
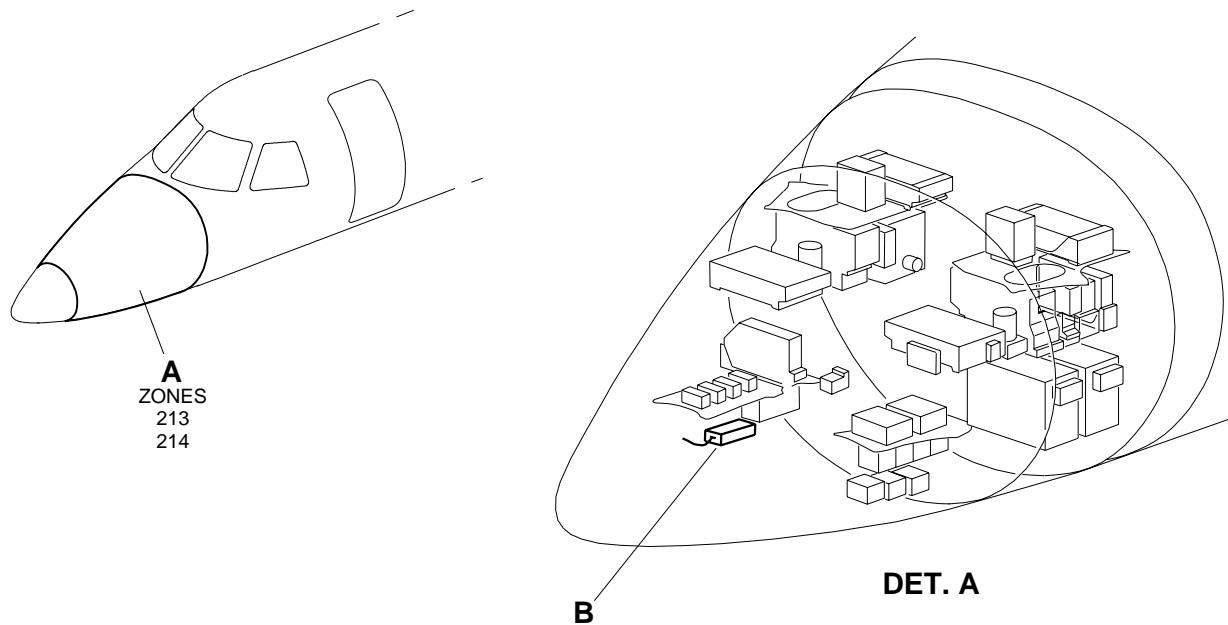


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**EFFECTIVITY: AIRCRAFT WITH COLLINS VHF-3 TRANSCEIVER**

Collins VHF-3 Transceiver - Removal/Installation

Figure 402



145AMM230620.MCE



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TASK 23-12-02-400-801-A

EFFECTIVITY: AIRCRAFT WITH VHF-3

## 3. VHF-3 TRANSCEIVER - INSTALLATION

### A. General

- (1) This procedure gives the instructions to install the VHF-3 Transceiver.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 23-12-00-700-802-A/500	VHF-3 FUNCTIONAL TEST
AMM TASK 23-12-00-700-805-A/500	VHF - FUNCTIONAL TEST
AMM TASK 23-22-00-700-801-A/500	ACARS - FUNCTIONAL TEST WITH A PORTABLE ACARS TEST STATION(PATS)
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
SB145-32-0036	-
WM 20-50-00	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113CZ	Forward electronic compartment

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

Not Applicable

### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-S-8660	Dow Corning No. 4 Lubricant Compound	AR

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	At the forward electronic compartment



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I. Installation (Figure 401) (Figure 402)

SUBTASK 420-002-A

- (1) NOTE: • For aircraft with Honeywell VHF-3 Transceiver, refer to (Figure 401).  
• For aircraft with Collins VHF-3 Transceiver, refer to (Figure 402).
- (2) Examine and clean or replace the coaxial connectors (4) as necessary (WM 20-50-00).
- (3) Fill the internal part of the coaxial connectors (4) and (5) with Dow Corning No. 4 Lubricant Compound (WM 20-50-00).
- (4) Install the VHF-3 Transceiver (1) on the mounting rack.
- (5) Carefully push the VHF-3 Transceiver (1) until it is connected to the electrical (2) and coaxial (4) connectors attached to the mounting rack.
- (6) Attach the two knurled nuts (3).

J. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the VHF-3 circuit breaker and remove the DO-NOT-CLOSE tag from it (Location Tip: DC BUS 1/COMM/VHF 3).
- (2) (AIRCRAFT WITH CMU) On the circuit breaker panel, close the CMU circuit breaker and remove the DO-NOT-CLOSE tag from it (Location Tip: DC BUS 1/COMM/CMU).
- (3) (AIRCRAFT WITH VHF-3 COLLINS) Do the VHF-3 Functional Test:
  - (a) For aircraft equipped with VHF-3 control panel only, refer to [AMM TASK 23-12-00-700-802-A/500](#).
  - (b) For aircraft equipped with ACARS only, refer to [AMM TASK 23-22-00-700-801-A/500](#).
- (4) (AIRCRAFT WITH VHF-3 HONEYWELL) Do the VHF-3 Functional Test included in [AMM TASK 23-12-00-700-805-A/500](#).
- (5) (POST-MOD [SB145-32-0036](#)) Remove the safety pin from the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (6) Close access door 113CZ (AMM MPP 06-41-01/100).

