

## INTEGRATED COMMUNICATION UNIT - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedures to remove and install the Integrated Communication Units (ICU 1 and ICU 2).
- B. The two ICUs are installed on the upper deck of the forward electronic compartment. The ICU 1 is on the left side and the ICU 2 is on the right side.
- C. The ICU contains the VHF and TRANSPONDER modules.
- D. 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
23-00-01-000-801-A	INTEGRATED COMMUNICATION UNIT - REMOVAL	ALL
23-00-01-400-801-A	INTEGRATED COMMUNICATION UNIT - INSTALLATION	ALL

TASK 23-00-01-000-801-A

EFFECTIVITY: ALL

## 2. INTEGRATED COMMUNICATION UNIT - REMOVAL

### A. General

(1) This procedure gives the instructions to remove the Integrated Communication Unit.

### B. References

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

### 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 circuit breakers listed below and attach a DO-NOT-CLOSE tag to them:
  - XPDR 1 (Location Tip: DC BUS 1/NAV).
  - XPDR 2 (Location Tip: DC BUS 2/NAV).
  - INTPH 1 (Location Tip: ESSENTIAL DC BUS 1/COMM/INTPH 1).

- INTPH 2 (Location Tip: ESSENTIAL DC BUS 2/COMM/INTPH 2).
  - INTPH 3 (Location Tip: DC BUS 2/COMM/INTPH 3).
  - VHF 1 (Location Tip: ESSENTIAL DC BUS 1/COMM/VHF 1).
  - VHF 2 (Location Tip: DC BUS 2/COMM/VHF 2).
- (2) (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](#)).
- (3) (POST-MOD [SB145-32-0036](#)) Install the safety pin of the NLG doors solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (4) Open access door 113CZ (AMM MPP 06-41-01/100).

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

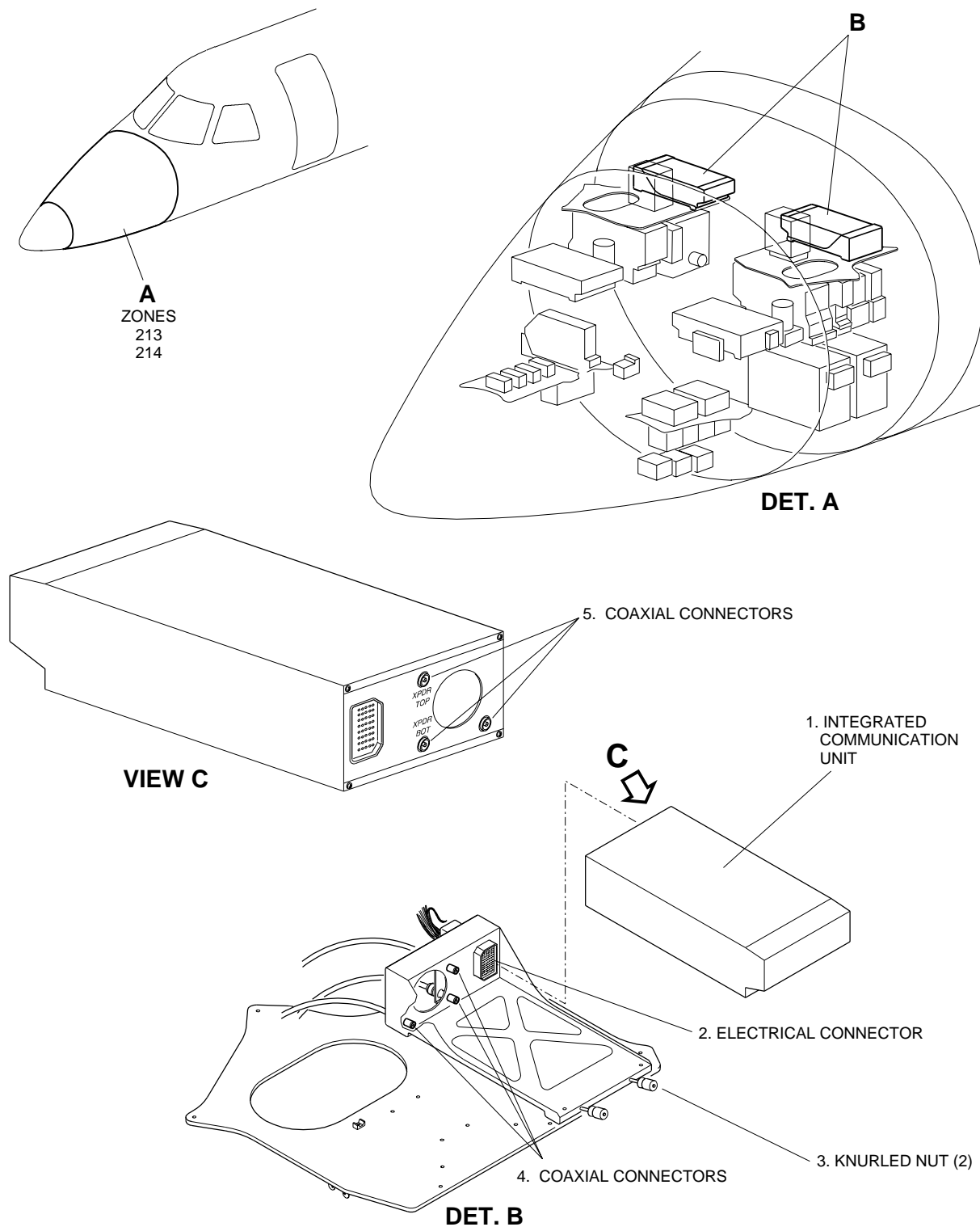
*SUBTASK 020-002-A*

- (1) Release the two knurled nuts (3).
- (2) Pull the Integrated Communication Unit (1) until it is disconnected from the electrical (2) and coaxial (4) connectors attached to the mounting rack.
- (3) Remove the Integrated Communication Unit (1).

EFFECTIVITY: ALL

Integrated Communication Unit - Removal/Installation

Figure 401



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TASK 23-00-01-400-801-A  
EFFECTIVITY: ALL

### 3. INTEGRATED COMMUNICATION UNIT - INSTALLATION

#### A. General

(1) This procedure gives the instructions to install the Integrated Communication Unit.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 23-12-00-700-801-A/500	COMMUNICATION SYSTEM - OPERATIONAL TEST
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
AMM TASK 34-52-00-700-802-A/500	TRANSPONDER SYSTEM - OPERATIONAL TEST
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

#### I. Installation (Figure 401)

##### SUBTASK 420-002-A

(1) Examine and clean or replace the coaxial connectors (4) as required (WM 20-50-00).

- (2) Fill the internal part of the coaxial connectors (4) and (5) with Dow Corning No. 4 Lubricant Compound (WM 20-50-00).
- (3) Install the Integrated Communication Unit (1) on the mounting rack.
- (4) Push the Integrated Communication Unit (1) until it is connected to the electrical (2) and coaxial (4) connectors attached to the mounting rack.
- (5) Attach the two knurled nuts (3).

J. Follow-on

*SUBTASK 842-002-A*

- (1) On the circuit breaker panel, close the circuit breakers listed below and remove the DO-NOT-CLOSE tag from them:
  - XPDR 1 (Location Tip: DC BUS 1/NAV).
  - XPDR 2 (Location Tip: DC BUS 2/NAV).
  - INTPH 1 (Location Tip: ESSENTIAL DC BUS 1/COMM/INTPH 1).
  - INTPH 2 (Location Tip: ESSENTIAL DC BUS 2/COMM/INTPH 2).
  - INTPH 3 (Location Tip: DC BUS 2/COMM/INTPH 3).
  - VHF 1 (Location Tip: ESSENTIAL DC BUS 1/COMM/VHF 1).
  - VHF 2 (Location Tip: DC BUS 2/COMM/VHF 2).
- (2) Do the Communication System Operational Test ( [AMM TASK 23-12-00-700-801-A/500](#)).
- (3) Do the operational test of the Mode S Transponder system ( [AMM TASK 34-52-00-700-802-A/500](#)), if the related ICU contains the Transponder module.
- (4) Close access door 113CZ (AMM MPP 06-41-01/100).
- (5) (POST-MOD [SB145-32-0036](#)) Remove the safety pin of the NLG doors solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).