



AIRCRAFT
MAINTENANCE MANUAL

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 TRANSPOUNDER 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



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

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	-
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 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).



AIRCRAFT MAINTENANCE MANUAL

- 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](#))

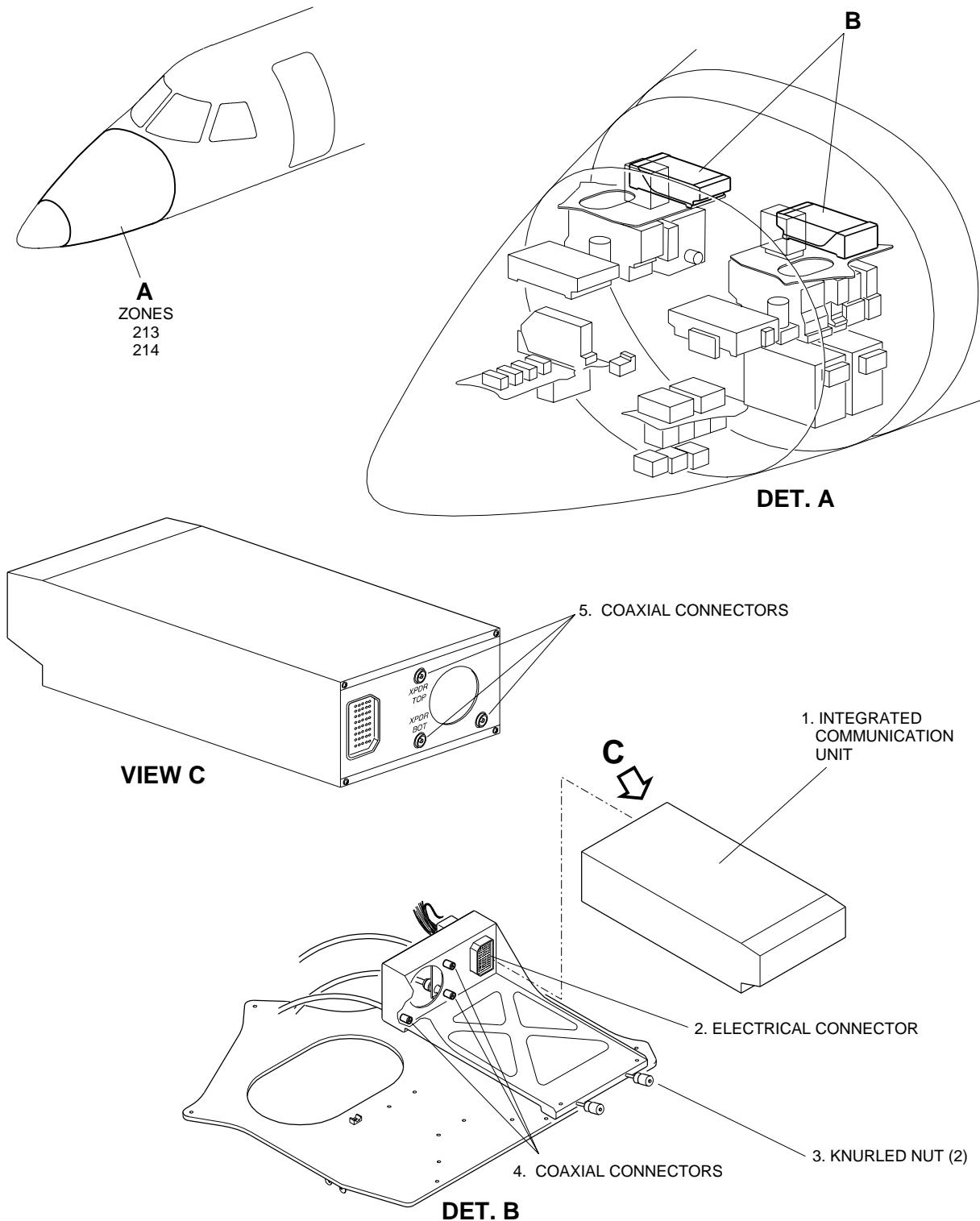
SUBTASK 020-002-A

- (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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EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

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).



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

- (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](#)).