



## AIRCRAFT MAINTENANCE MANUAL

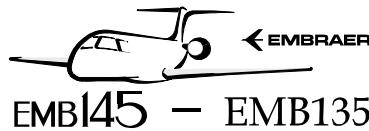
### AIRCRAFT PERSONALITY MODULE (APM) - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH CMU

#### 1. General

- A. This section gives the procedures to remove and install the Aircraft Personality Module (APM).
- B. The Aircraft Personality Module (APM) is a connected EEPROM designed to store the CMU configuration data.
- C. The Aircraft Personality Module (APM) is installed in the CMU mounting tray.
- 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
23-24-03-000-801-A	AIRCRAFT PERSONALITY MODULE (APM) - REMOVAL	AIRCRAFT WITH CMU
23-24-03-400-801-A	AIRCRAFT PERSONALITY MODULE (APM) - INSTALLATION	AIRCRAFT WITH CMU



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TASK 23-24-03-000-801-A

EFFECTIVITY: AIRCRAFT WITH CMU

2. AIRCRAFT PERSONALITY MODULE (APM) - REMOVAL

## A. General

This task gives the procedure to remove the Aircraft Personality Module (APM).

## B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 23-24-01-000-801-A/400	COMMUNICATION MANAGEMENT UNIT (CMU) - REMOVAL
AMM TASK 23-31-01-000-801-A/400	PUBLIC ADDRESS AMPLIFIER - REMOVAL
AMM TASK 34-62-01-000-801-A/400	-

## C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
214	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	Forward electronic compartment

## I. Preparation

## SUBTASK 841-002-A

- (1) Make sure that the landing gear safety pins are installed.
- (2) Open access door 113CZ (AMM MPP 06-41-01/100).
- (3) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them.
  - CMU (Location Tip: DC BUS 1/COMM/CMU).
  - FMS 1 (Location Tip: DC BUS 1/NAV/FMS 1).



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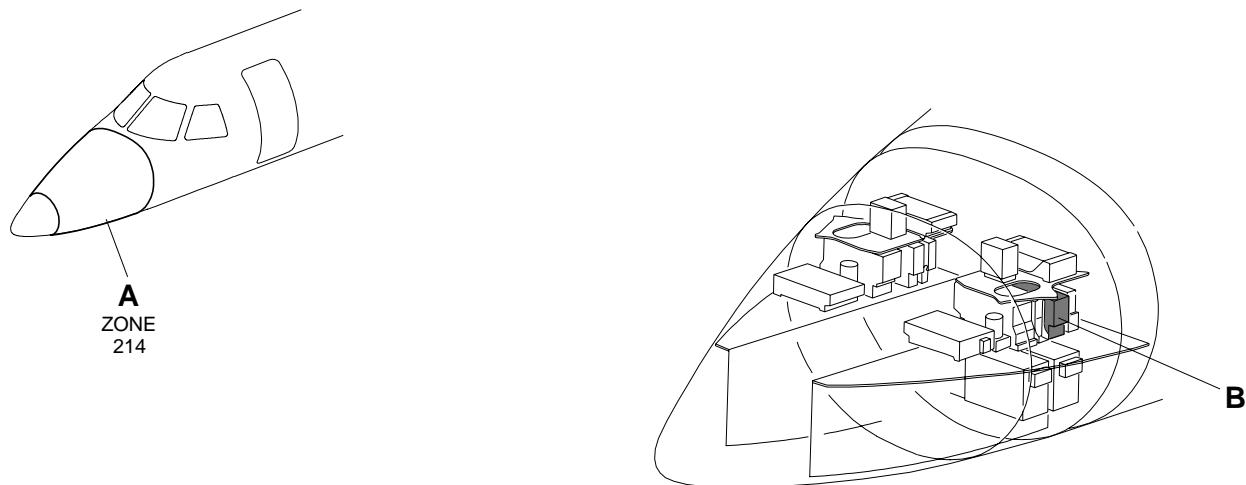
- PA (Location Tip: ESSENTIAL DC BUS 2/COMM/PA).

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

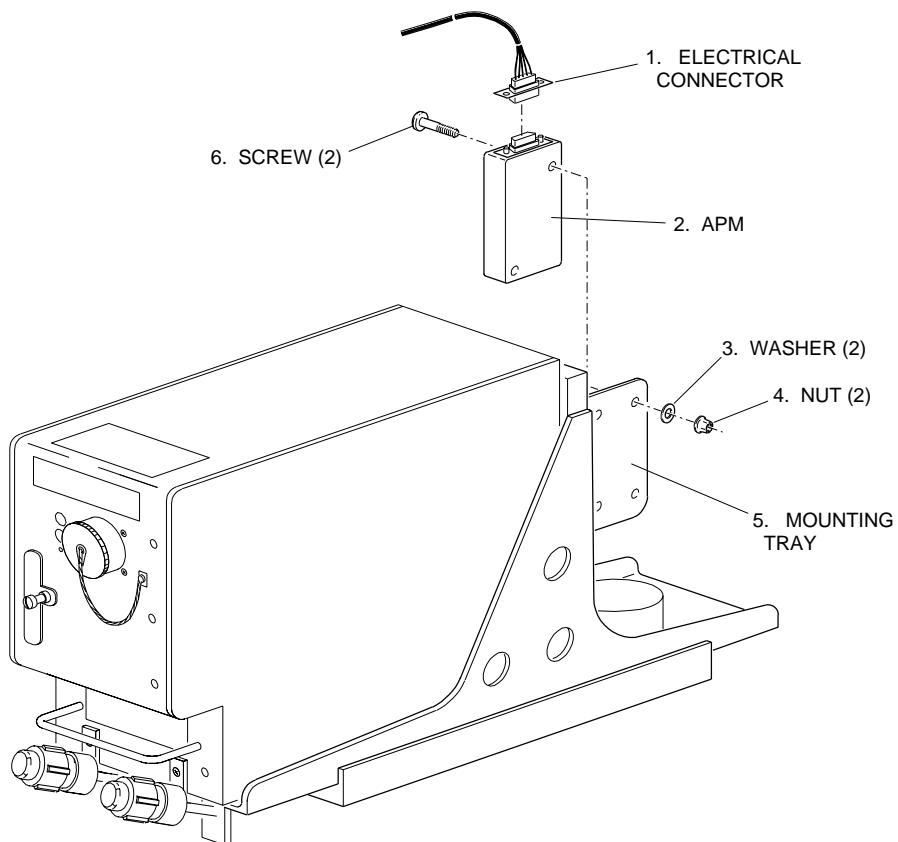
#### SUBTASK 020-002-A

- (1) Remove the CMU unit from the mounting tray (5) ([AMM TASK 23-24-01-000-801-A/400](#)).
- (2) Remove the FMS 1 computer from the mounting tray (AMM TASK 34-62-01-000-801-A/400).
- (3) Remove the PA from the mounting tray ([AMM TASK 23-31-01-000-801-A/400](#)).
- (4) Remove the electrical connector (1) from the APM (2).
- (5) Remove the screws (6), washers (3), and nuts (2) which attach the APM to the mounting tray (5).
- (6) Remove the APM (2).

**EFFECTIVITY: AIRCRAFT WITH CMU**  
**Aircraft Personality Module (APM) - Removal/Installation**  
**Figure 401**



**DET. A**



**DET. B**

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TASK 23-24-03-400-801-A

EFFECTIVITY: AIRCRAFT WITH CMU

3. AIRCRAFT PERSONALITY MODULE (APM) - INSTALLATION

## A. General

This procedure gives the instructions to install the Aircraft Personality Module (APM).

## B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 23-22-00-700-801-A/500	ACARS - FUNCTIONAL TEST WITH A PORTABLE ACARS TEST STATION(PATS)
AMM TASK 23-22-01-400-801-A/400	ACARS UNIT - INSTALLATION
AMM TASK 23-24-03-860-801-A/200	AIRCRAFT PERSONALITY MODULE - PROGRAMMING
AMM TASK 23-31-01-400-801-A/400	PUBLIC ADDRESS AMPLIFIER - INSTALLATION
AMM TASK 34-62-01-400-801-A/400	-

## C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
214	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	Forward electronic compartment

## I. Installation (Figure 401)

## SUBTASK 420-002-A

- (1) Put the APM (2) in position on the mounting tray (5).
- (2) Put the washers (3), and nuts (4), and fasten the screws (6).
- (3) Connect the electrical connector (1) to the APM (2).



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- (4) Install the CMU unit on the mounting tray (5) ([AMM TASK 23-22-01-400-801-A/400](#)).
- (5) Install the FMS 1 computer on the mounting tray (AMM TASK 34-62-01-400-801-A/400).
- (6) Install the PA on the mounting tray ([AMM TASK 23-31-01-400-801-A/400](#)).

J. Follow-on

SUBTASK 842-002-A

- (1) Close access door 113CZ (AMM MPP 06-41-01/100).
- (2) On the circuit breaker panel, close these circuit breakers and remove the DO-NOT-CLOSE tags from them:
  - CMU (Location Tip: DC BUS 1/COMM/CMU).
  - FMS 1 (Location Tip: DC BUS 2/NAV/FMS 2).
  - PA (Location Tip: ESSENTIAL DC BUS 2/COMM/PA).
- (3) Do the APM programing ([AMM TASK 23-24-03-860-801-A/200](#)).
- (4) Do the CMU operational test ([AMM TASK 23-22-00-700-801-A/500](#)).