

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

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).

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

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

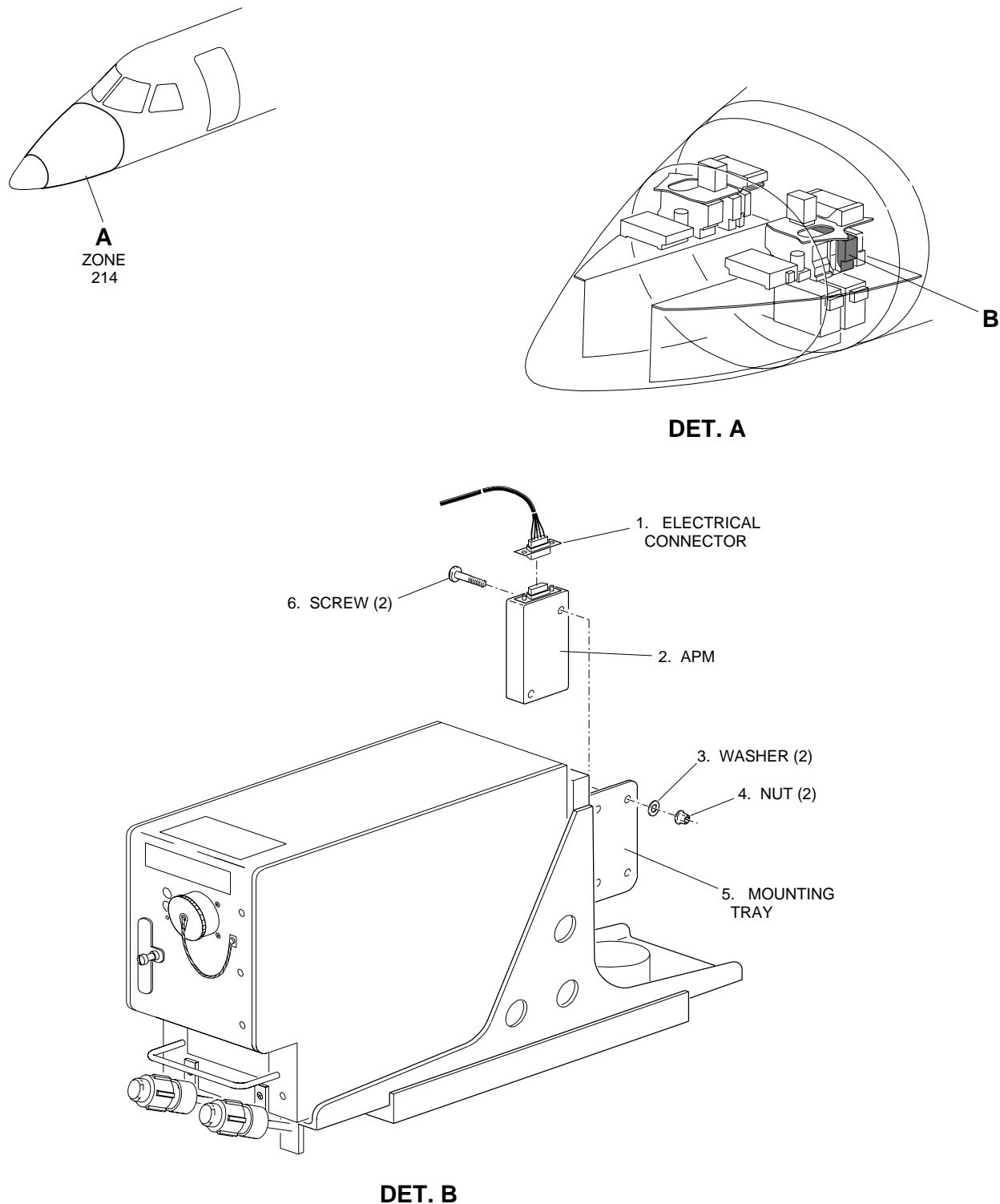
SUBTASK 020-002-A

- (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



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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).

- (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](#)).