



AIRCRAFT MAINTENANCE MANUAL

TUNING BACKUP UNIT - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the tuning backup unit.
- B. The tuning backup unit is installed on the control-pedestal forward panel.
- 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
23-81-02-000-801-A	TUNING BACKUP UNIT - REMOVAL	ALL
23-81-02-400-801-A	TUNING BACKUP UNIT - INSTALLATION	ALL



EMB145 – EMB135

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TASK 23-81-02-000-801-A

EFFECTIVITY: ALL

2. TUNING BACKUP UNIT - REMOVAL

A. General

- (1) This task gives the procedures to remove the tuning backup unit.

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223/224		Cockpit

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the cockpit

H. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the CDH circuit breaker and attach a DO-NOT-CLOSE tag to it (Location Tip: DC BUS 2/COMM/CDH).

I. Removal (Figure 401) (Figure 402)

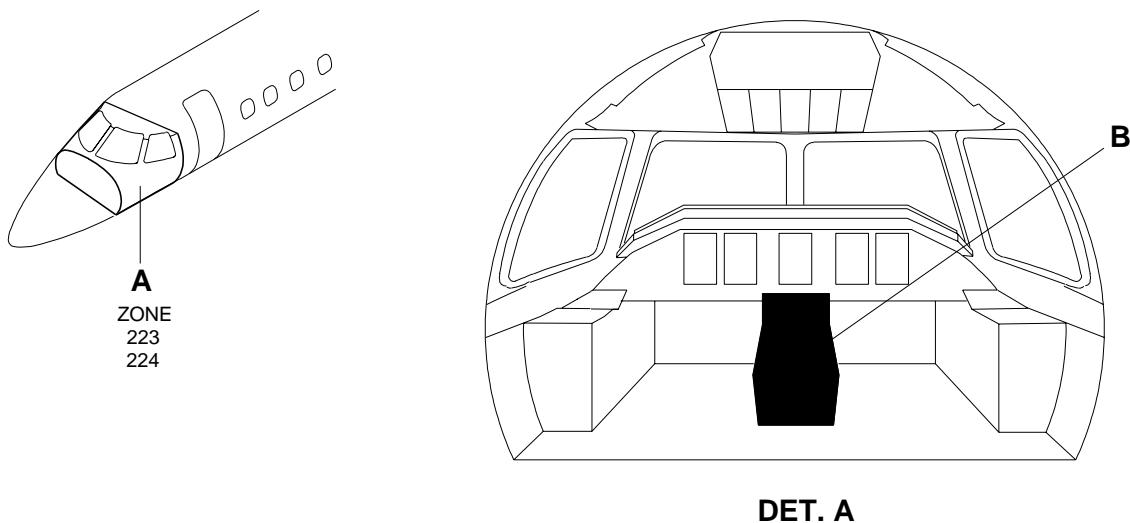
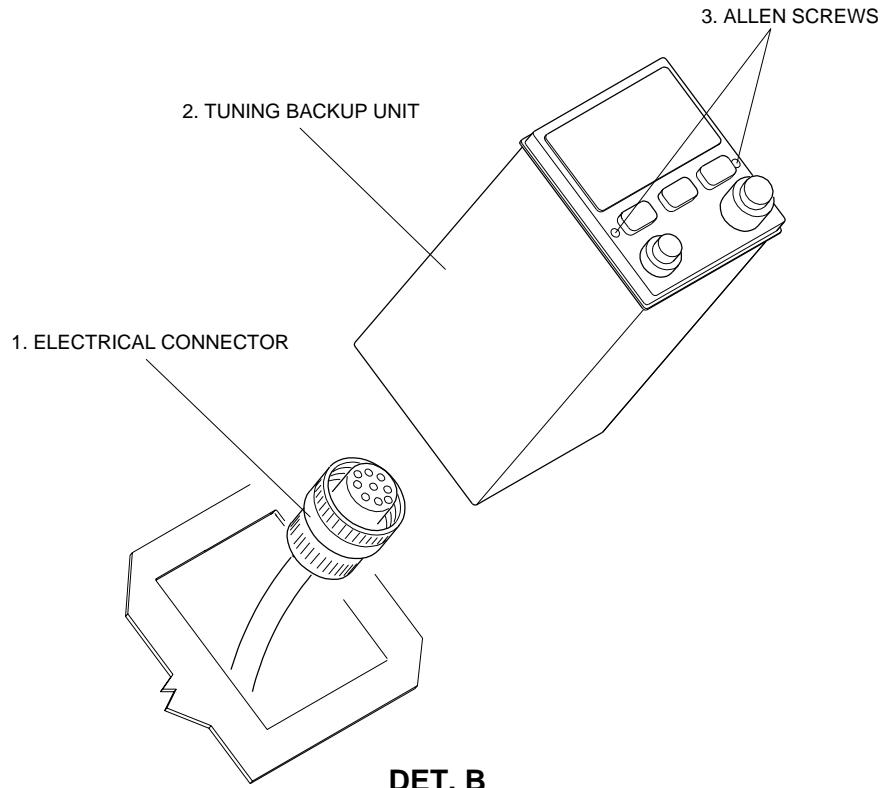
SUBTASK 020-002-A

- (1) Turn the Allen screws (3) until the tuning backup unit (2) is unlocked and released.
- (2) Carefully pull the tuning backup unit (2) from its housing to get access to the electrical connector (1).
- (3) Disconnect the electrical connector (1) from the tuning backup unit (2).
- (4) Install protection caps on the electrical connector (1).

EFFECTIVITY: FOR AIRCRAFT WITH A CHANNEL SPACING OF 25kHz

Tuning Backup Unit - Removal/Installation

Figure 401

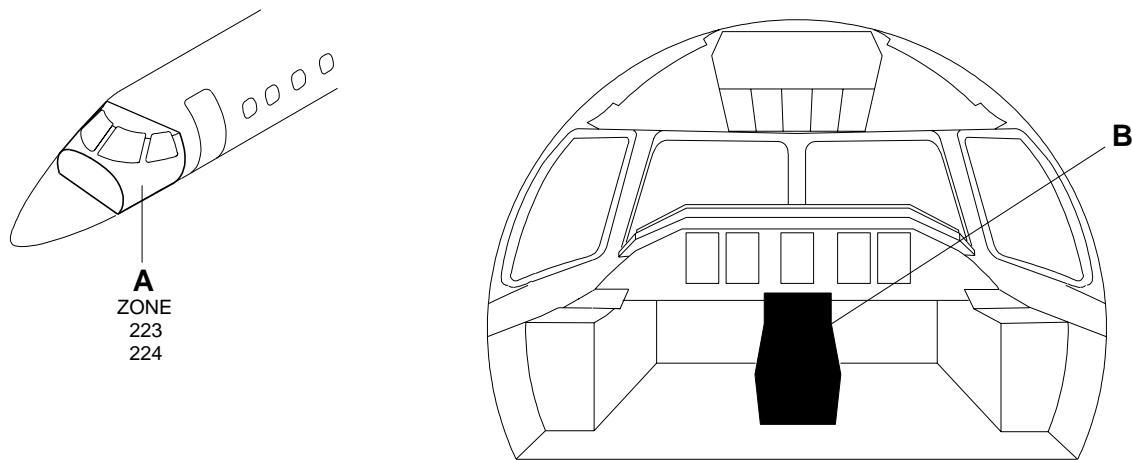

DET. A

DET. B

145AMM230121.MCE A

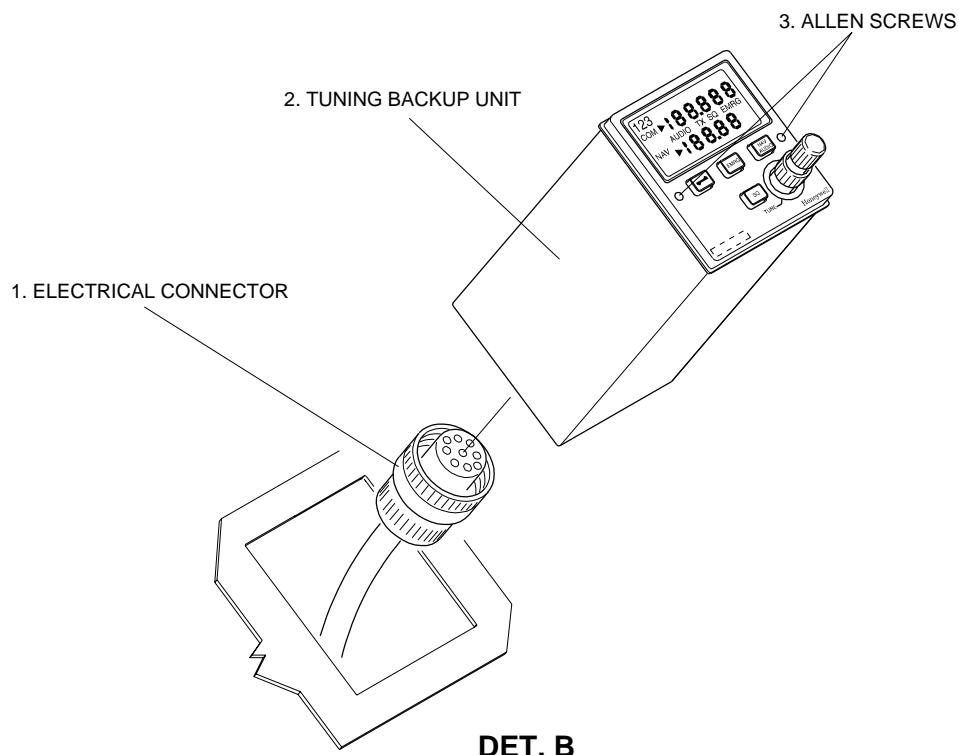
EFFECTIVITY: FOR AIRCRAFT WITH CHANNEL SPACING OF 8.33kHz

Tuning Backup Unit - Removal/Installation

Figure 402



DET. A



DET. B

145AMM230188.MCE B



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TASK 23-81-02-400-801-A

EFFECTIVITY: ALL

3. TUNING BACKUP UNIT - INSTALLATION

A. General

- (1) This task gives the procedures to install the tuning backup unit.

B. References

REFERENCE	DESIGNATION
AMM TASK 23-81-00-700-801-A/500	RADIO MANAGEMENT SYSTEM - OPERATIONAL TEST

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223/224		Cockpit

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	In the cockpit

I. Installation (Figure 401) (Figure 402)

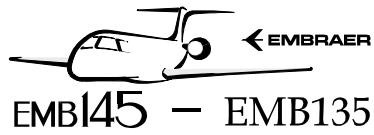
SUBTASK 420-002-A

- (1) Remove the protection cap from the electrical connector (1).
- (2) Hold the tuning backup unit (2) and connect the electrical connector (1).
- (3) Carefully install the tuning backup unit (2) in its installation position.
- (4) Tighten the Allen screws (3) until the tuning backup unit (2) is locked and attached.

J. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the CDH circuit breaker and remove the DO-NOT-CLOSE tag from it (Location Tip: DC BUS 2/COMM/CDH).



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- (2) Do the test of the tuning backup unit ([AMM TASK 23-81-00-700-801-A/500](#)).