

AIRCRAFT MAINTENANCE MANUAL

(145) FMS (UNIVERSAL) CONTROL DISPLAY UNIT / (135) DUAL FMS CDUs - REMOVAL/ INSTALLATION

EFFECTIVITY: AIRCRAFT WITH FMS UNIVERSAL

1. General

- A. This section gives the procedures to remove and install the control display unit (CDU) of the Flight Management System (FMS).
- B. 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
34-62-02-000-801-A	DUAL FMS CONTROL DISPLAY UNIT (CDU) 1/2 - REMOVAL	AIRCRAFT WITH FMS UNIVERSAL
34-62-02-400-801-A	DUAL FMS CONTROL DISPLAY UNIT (CDU) 1/2 - INSTALLATION	AIRCRAFT WITH FMS UNIVERSAL
34-62-02-000-802-A	SINGLE FMS CONTROL DISPLAY UNIT (CDU) - REMOVAL	AIRCRAFT WITH FMS UNIVERSAL
34-62-02-400-802-A	SINGLE FMS CONTROL DISPLAY UNIT (CDU) - INSTALLATION	AIRCRAFT WITH FMS UNIVERSAL



AIRCRAFT
MAINTENANCE MANUAL

EMB145 - EMB135

TASK 34-62-02-000-801-A

EFFECTIVITY: AIRCRAFT WITH FMS UNIVERSAL

2. DUAL FMS CONTROL DISPLAY UNIT (CDU) 1/2 - REMOVAL

A. General

- (1) This procedure gives the instructions to remove control display unit (CDU) 1/2 of the Dual Flight Management System (FMS).

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223		Cockpit
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	Cockpit

H. Preparation

SUBTASK 841-005-A

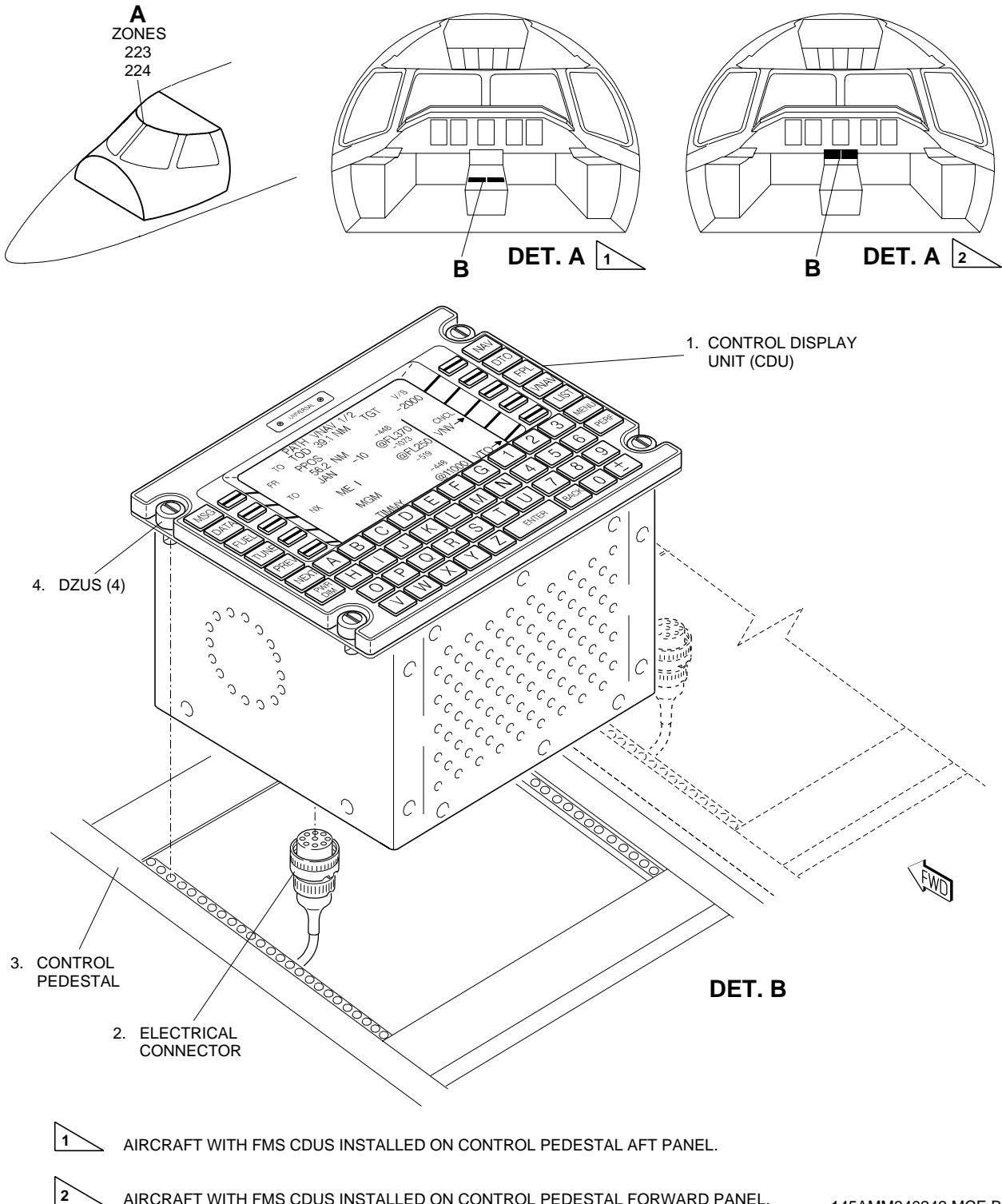
- (1) On the Circuit Breaker Panel, open the FMS 1/2 circuit breaker and attach a DO-NOT-CLOSE tag to it.

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

SUBTASK 020-005-A

- (1) Unlock the four dzus fasteners (4) which attach control display unit (CDU) 1/2 (1) to the control pedestal (3).
- (2) Carefully pull control display unit (CDU) 1/2 (1) to get access to the electrical connector (2).
- (3) Disconnect the electrical connector (2).
- (4) Remove control display unit (CDU) 1/2 (1).

EFFECTIVITY: AIRCRAFT WITH FMS UNIVERSAL
Dual FMS Control Display Unit (CDU) 1/2 - Removal/Installation
Figure 401





EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 34-62-02-400-801-A

EFFECTIVITY: AIRCRAFT WITH FMS UNIVERSAL

3. DUAL FMS CONTROL DISPLAY UNIT (CDU) 1/2 - INSTALLATION

A. General

- (1) This procedure gives the instructions to install control display unit (CDU) 1/2 of the Dual Flight Management System (FMS).

B. References

REFERENCE	DESIGNATION
AMM TASK 34-62-00-700-801-A/500	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223		Cockpit
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	Cockpit

I. Installation (Figure 401)

SUBTASK 420-005-A

- (1) Connect the electrical connector (2) to control display unit (CDU) 1/2 (1).
- (2) Put control display unit (CDU) 1/2 (1) in the control pedestal (3).
- (3) Lock the four dzus fasteners (4).

J. Follow-on

SUBTASK 842-005-A

- (1) On the Circuit Breaker Panel, close the FMS 1/2 circuit breaker and remove the DO-NOT-CLOSE tag from it.



AIRCRAFT
MAINTENANCE MANUAL

-
- (2) Do the Dual FMS Operational Test (AMM TASK 34-62-00-700-801-A/500).



AIRCRAFT
MAINTENANCE MANUAL

EMB145 – EMB135

TASK 34-62-02-000-802-A

EFFECTIVITY: AIRCRAFT WITH FMS UNIVERSAL

4. SINGLE FMS CONTROL DISPLAY UNIT (CDU) - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the control display unit (CDU) of the Flight Management System (FMS).

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223		Cockpit
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	Cockpit

H. Preparation

SUBTASK 841-006-A

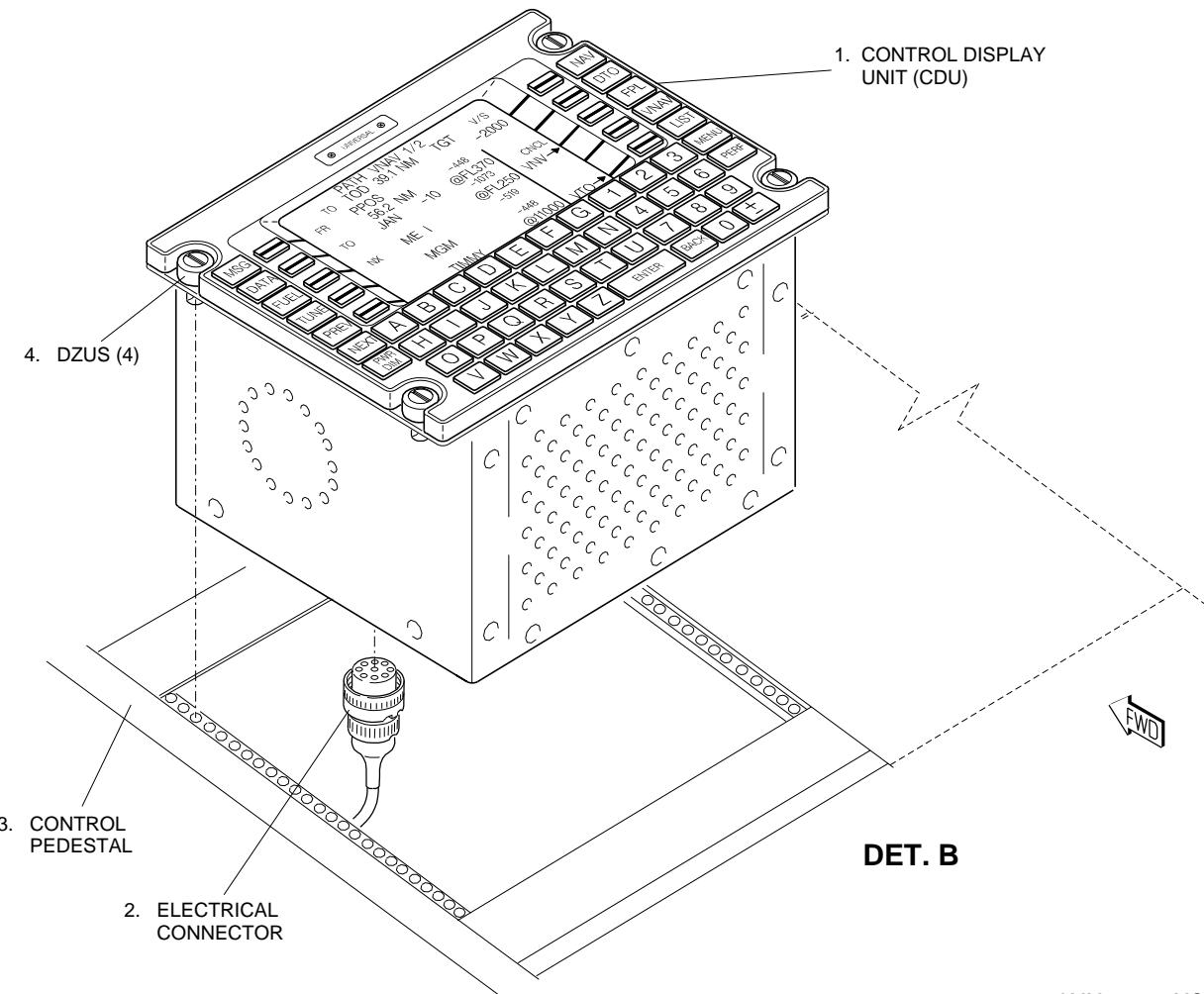
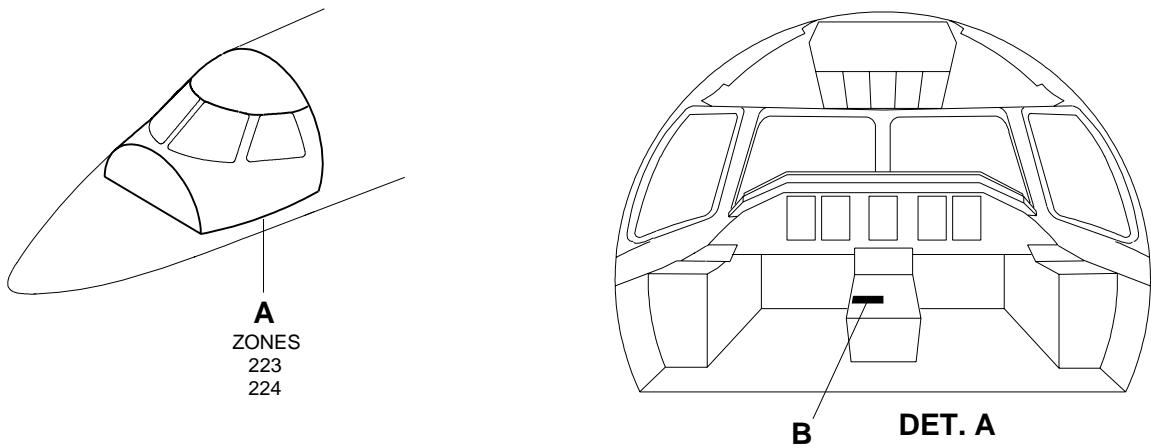
- (1) On the circuit breaker panel, open the FMS 1 circuit breaker (Location Tip: DC BUS 1/NAV/FMS1) and attach a DO-NOT-CLOSE tag to it.

I. Removal ([Figure 402](#))

SUBTASK 020-006-A

- (1) Unlock the four dzus fasteners (4) which attach the control display unit (CDU) (1) to the control pedestal (3).
- (2) Carefully pull the control display unit (CDU) (1) to get access to the electrical connector (2).
- (3) Disconnect the electrical connector (2).
- (4) Remove control display unit (CDU) (1).

EFFECTIVITY: AIRCRAFT WITH FMS UNIVERSAL
 Single FMS Control Display Unit (CDU) - Removal/Installation
 Figure 402



145AMM340302.MCE A



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 34-62-02-400-802-A

EFFECTIVITY: AIRCRAFT WITH FMS UNIVERSAL

5. SINGLE FMS CONTROL DISPLAY UNIT (CDU) - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the control display unit (CDU) of the Flight Management System (FMS).

B. References

REFERENCE	DESIGNATION
AMM TASK 34-62-00-700-802-A/500	SINGLE FMS - OPERATIONAL TEST

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223		Cockpit
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	Cockpit

I. Installation (Figure 402)

SUBTASK 420-006-A

- (1) Connect the electrical connector (2) to the control display unit (CDU) (1).
- (2) Put the control display unit (CDU) (1) in the control pedestal (3).
- (3) Lock the four dzus fasteners (4).

J. Follow-on

SUBTASK 842-006-A

- (1) On the circuit breaker panel, close the FMS 1 circuit breaker (Location Tip: DC BUS 1/NAV/FMS1) and remove the DO-NOT-CLOSE tag from it.



AIRCRAFT
MAINTENANCE MANUAL

-
- (2) Do the Single FMS Operational Test ([AMM TASK 34-62-00-700-802-A/500](#)).

