



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

AUTOPILOT CONTROLLER - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the Autopilot Controller (PC-400).
- 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).

<i>TASK NUMBER</i>	<i>DESCRIPTION</i>	<i>EFFECTIVITY</i>
22-11-02-000-801-A	AUTOPILOT CONTROLLER (PC-400) - REMOVAL	ALL
22-11-02-400-801-A	AUTOPILOT CONTROLLER (PC-400) - IN- STALLATION	ALL



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TASK 22-11-02-000-801-A

EFFECTIVITY: ALL

2. AUTOPILOT CONTROLLER (PC-400) - REMOVAL

A. General

- (1) This task gives the procedures to remove the Autopilot Controller (PC-400).

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223	223IZ	Control pedestal

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	Control pedestal

H. Preparation

SUBTASK 841-002-A

- (1) Open the AP 1 circuit breaker and attach a DO-NOT-CLOSE tag to it.

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

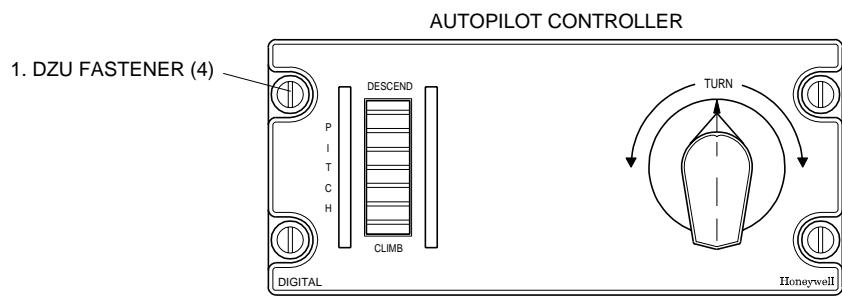
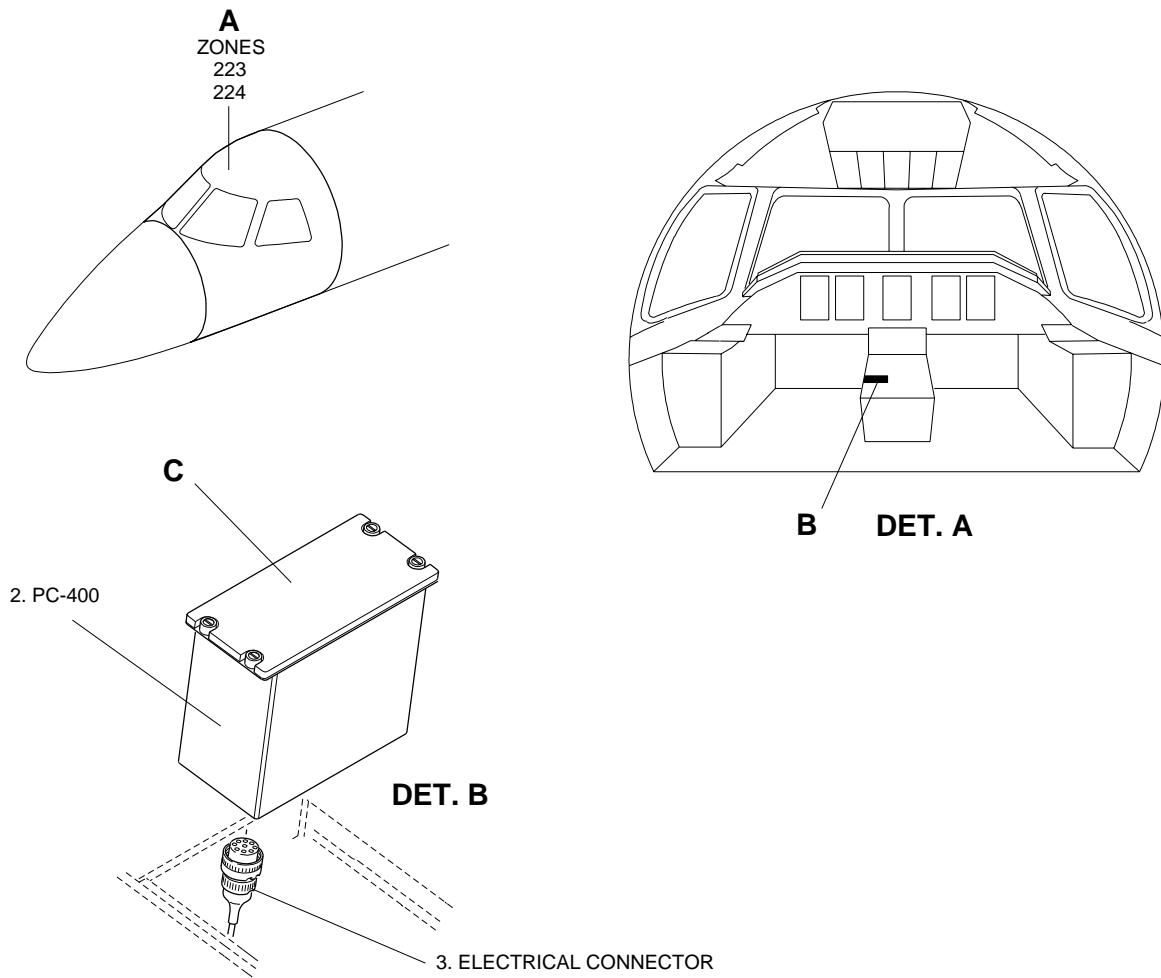
SUBTASK 020-002-A

- (1) Loosen the Dzus fasteners (1) (4 positions).
- (2) Carefully pull the PC-400 (2) to get access to the electrical connector (3).
- (3) Disconnect the electrical connector (3) from the PC-400 (2).
- (4) Install protection caps on the electrical connector (3).

EFFECTIVITY: ALL

Autopilot Controller (PC-400) - Removal/Installation

Figure 401



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TASK 22-11-02-400-801-A

EFFECTIVITY: ALL

3. AUTOPILOT CONTROLLER (PC-400) - INSTALLATION

A. General

- (1) This task gives the procedures to install the Autopilot Controller Panel (PC-400).

B. References

REFERENCE	DESIGNATION
AMM TASK 22-11-00-700-803-A/500	AUTOPILOT - FUNCTIONAL TEST

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223	223IZ	Control pedestal

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	Control pedestal

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Remove the protection caps from the electrical connector (3).
- (2) Hold the PC-400 (2) and connect the electrical connector (3).
- (3) Carefully install the PC-400 (2) in its housing.
- (4) Tighten the Dzus fasteners (1) (4 positions).

J. Follow-on

SUBTASK 842-002-A

- (1) Close the AP 1 circuit breaker and remove the DO-NOT-CLOSE tag from it.



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- (2) Refer to Autopilot functional test [AMM TASK 22-11-00-700-803-A/500](#) and do the check of the autopilot roll and pitch axis.

