
POWERPLANT CONTROL PANEL - REMOVAL/INSTALLATION*EFFECTIVITY: ALL*1. General

- A. This section gives the procedures to remove/install the Powerplant control panel.
- 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>
76-12-04-000-801-A	POWERPLANT CONTROL PANEL - REMOVAL	ALL
76-12-04-400-801-A	POWERPLANT CONTROL PANEL - INSTALLATION	ALL

TASK 76-12-04-000-801-A

EFFECTIVITY: ALL

2. POWERPLANT CONTROL PANEL - REMOVAL

A. General

(1) This task gives the procedures to remove the powerplant control panel.

B. Zones and Accesses

Not Applicable

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. Removal (Figure 401)

SUBTASK 020-002-A

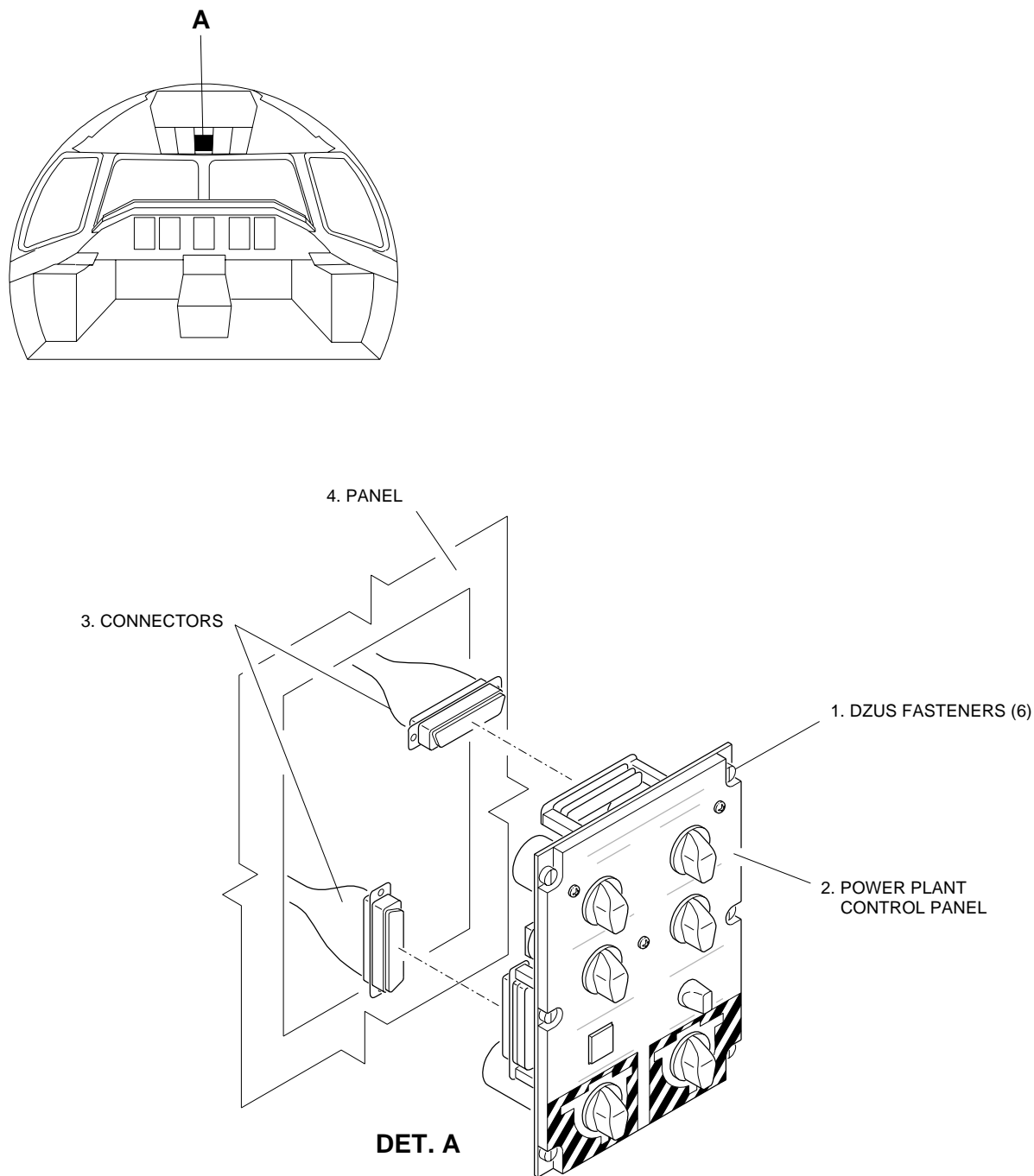
- (1) Make sure that the aircraft is safe for maintenance.
- (2) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:
 - FADEC 1A
 - FADEC 1B
 - FADEC 2A
 - FADEC 2B
 - ENG 1 STARTING
 - ENG 2 STARTING
- (3) Loosen the Dzus fasteners (1) that attach the powerplant control panel (2) to the panel (4).
- (4) Carefully pull the powerplant control panel (2) from its housing to get access to the electrical connectors (3).
- (5) Disconnect the electrical connectors (3) from the control panel.

- (6) Install protection caps on the electrical connectors (3).

EFFECTIVITY: ALL

Control Panels - Removal/Installation

Figure 401



EM145AMM760056A.DGN

TASK 76-12-04-400-801-A
EFFECTIVITY: ALL

3. POWERPLANT CONTROL PANEL - INSTALLATION

A. General

(1) This task gives procedures to install the powerplant control panel.

B. References

REFERENCE	DESIGNATION
AMM TASK 71-00-01-910-801-A/200	ENGINE START PROCEDURE (NORMAL)
AMM TASK 71-00-01-910-804-A/200	ENGINE STOP PROCEDURE

C. Zones and Accesses

Not Applicable

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 420-002-A

- (1) Remove the protection caps from the electrical connectors.
- (2) Hold the powerplant control panel (2) and connect the electrical connectors (3).
- (3) Carefully install the powerplant control panel (2) in its installation position.
- (4) Tighten the Dzus fasteners (1).

J. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
 - ENG 1 STARTING

- ENG 2 STARTING
- (2) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
 - FADEC 1A
 - FADEC 1B
 - FADEC 2A
 - FADEC 2B
 - (3) Cycle these circuit breakers two times:
 - FADEC 1A
 - FADEC 1B
 - FADEC 2A
 - FADEC 2B
 - (4) Reset the FADECs with the reset switch, on the overhead panel.
 - (5) Start the left and right engines ([AMM TASK 71-00-01-910-801-A/200](#)).
 - (6) Let the engines running in idle for two minutes.
 - (7) Stop the left and right engines ([AMM TASK 71-00-01-910-804-A/200](#)).
 - (8) Make sure that the engine start and stop procedures occurred normally.
 - (9) Make sure that the EICAS messages listed below are out of view:
 - E1(2) NO DISP;
 - E1(2) CTL FAIL.