



## AIRCRAFT MAINTENANCE MANUAL

### FADEC POWER-SUPPLY DIODE BOX - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedure to remove/install the FADEC Power-Supply Diode Box.
- 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
76-12-03-000-801-A	FADEC POWER-SUPPLY DIODE BOX - REMOVAL	ALL
76-12-03-400-801-A	FADEC POWER-SUPPLY DIODE BOX - INSTALLATION	ALL



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TASK 76-12-03-000-801-A

EFFECTIVITY: ALL

2. FADEC POWER-SUPPLY DIODE BOX - REMOVAL

A. General

- (1) Obey the instructions below to remove the FADEC Power-Supply Diode Box.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM SDS 24-60-00/1	
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
SB145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	221CF	Cockpit floor
114	114BZ	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	Cockpit

I. Preparation

**SUBTASK 841-002-A**

- (1) On aircraft PRE-MOD SB145-32-0036, make sure that the pressure in hydraulic system No. 1 is fully released ( AMM TASK 29-10-00-860-802-A/200).



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- (2) On aircraft POST-MOD [SB145-32-0036](#), install the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (3) Make sure that the landing-gear safety pins are installed ( [AMM TASK 32-00-01-910-801-A/200](#)).
- (4) Open access panel 114BZ (AMM MPP 06-41-01/100) to get access to the backup battery relay box.
- (5) Remove floor panel 221CF (AMM MPP 06-41-02/100) to get access to the power-supply diode box.
- (6) Open these circuit breakers and attach DO-NOT-CLOSE tags to them:
  - FADECs 1A, 1B, 2A, 2B on the circuit breaker panel.
  - FADEC A BUS, FADEC B BUS on the backup-battery relay box ([AMM SDS 24-60-00/1](#)).
  - FADEC A BUS on the LH power control/distribution box ([AMM SDS 24-60-00/1](#)).
  - FADEC B BUS on the RH power control/distribution box ([AMM SDS 24-60-00/1](#)).

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

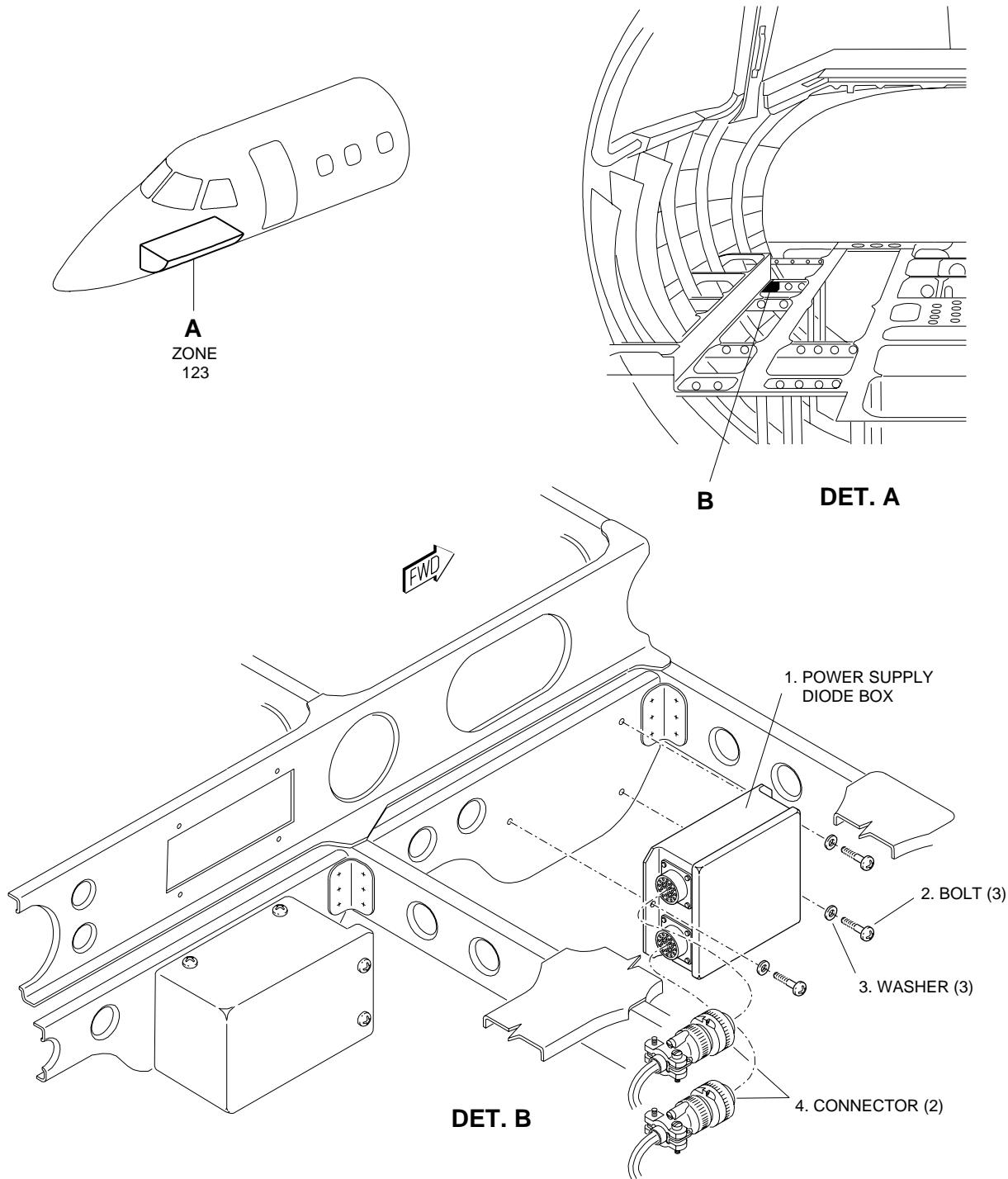
#### SUBTASK 020-002-A

- (1) Disconnect the power-supply diode-box electrical connectors (4).
- (2) Remove bolts (2) and washers (3).
- (3) Remove the power-supply diode box (1) from its place.
- (4) Install plugs/caps to the disconnected points.

**EFFECTIVITY: ALL**

FADEC Power-Supply Diode Box - Removal/Installation

Figure 401



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TASK 76-12-03-400-801-A

EFFECTIVITY: ALL

3. FADEC POWER-SUPPLY DIODE BOX - INSTALLATION

A. General

- (1) Obey the instructions below to install the FADEC Power-Supply Diode Box.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM SDS 24-60-00/1	
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
SB145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	221CF	Cockpit floor
114	114BZ	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	Cockpit

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Remove the protective plugs and caps from the connectors.
- (2) Put the power-supply diode box (1) in position.
- (3) Install washers (3) and bolts (2).



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- (4) Connect the electrical connectors (4).

J. Follow-on

SUBTASK 842-002-A

- (1) Close access panel 114BZ (AMM MPP 06-41-01/100).
- (2) Install floor panel 221CF (AMM MPP 06-41-02/100).
- (3) On aircraft POST-MOD SB145-32-0036, remove the safety pin of the NLG-door solenoid valve([AMM TASK 32-00-02-910-801-A/200](#)).
- (4) Remove the DO-NOT-CLOSE tags and close these circuit breakers:
  - FADECs 1A, 1B, 2A, 2B on the circuit breaker panel.
  - FADEC A BUS, FADEC B BUS on the backup-battery relay box ([AMM SDS 24-60-00/1](#)).
  - FADEC A BUS on the LH power control/distribution box ([AMM SDS 24-60-00/1](#)).
  - FADEC B BUS on the RH power control/distribution box ([AMM SDS 24-60-00/1](#)).