



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**INVERTER - REMOVAL/INSTALLATION**

*EFFECTIVITY: ALL*

1. General

- A. The inverters are installed on the right side of the electric compartment, between frames 2 and 3.
- 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
21-26-03-000-801-A	INVERTER - REMOVAL	ALL
21-26-03-400-801-A	INVERTER - INSTALLATION	ALL



AIRCRAFT  
MAINTENANCE MANUAL

TASK 21-26-03-000-801-A

EFFECTIVITY: ALL

2. INVERTER - REMOVAL

A. General

- (1) This task gives the procedures to remove the inverter.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114AZ	Nose landing gear 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	Electric compartment

I. Preparation

SUBTASK 841-002-A

- (1) Open and safety the circuit breaker(s) on the circuit breaker panel, as applicable:
- EXHAUST 1 (Inverter of the LH exhaust fan).
  - EXHAUST 2 (Inverter of the RH exhaust fan).
  - RECIRC 1 (Inverter of the LH recirculation fan).
  - RECIRC 2 (Inverter of the RH recirculation fan).
- (2) Open access panels 114AZ (AMM MPP 06-41-01/100).



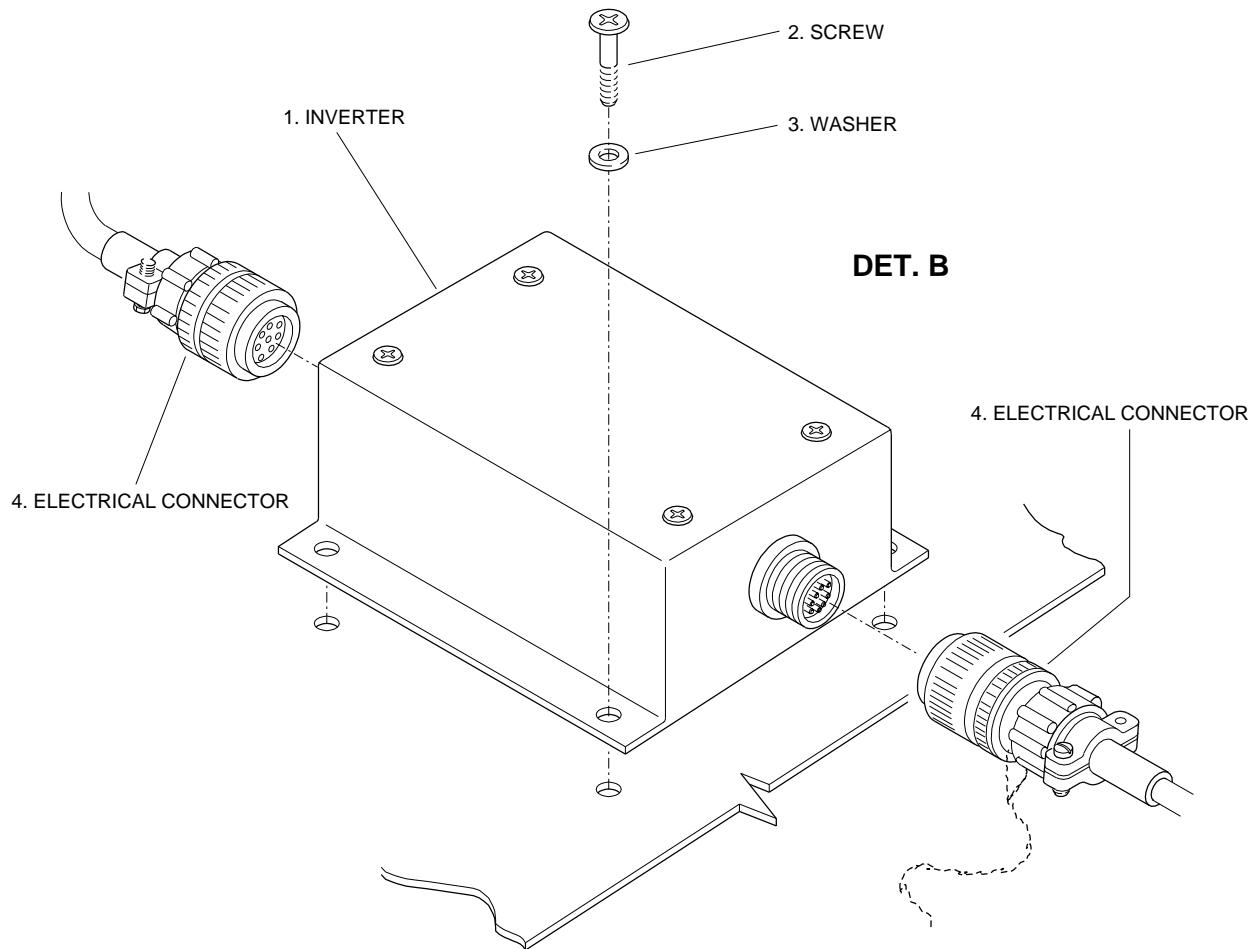
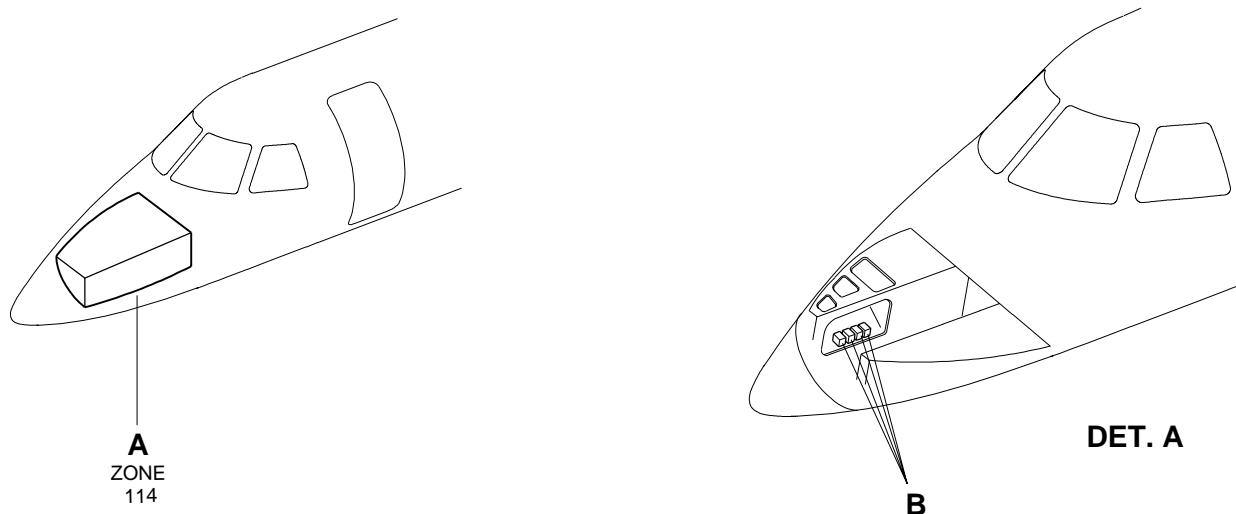
AIRCRAFT  
MAINTENANCE MANUAL

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

SUBTASK 020-002-A

- (1) Disconnect the electrical connectors (4).
- (2) Remove the screws (2) and the washers (3).
- (3) Remove the inverter (1).

**EFFECTIVITY: ALL**  
**Inverter - Removal/Installation**  
**Figure 401**





AIRCRAFT  
MAINTENANCE MANUAL

TASK 21-26-03-400-801-A

EFFECTIVITY: ALL

3. INVERTER - INSTALLATION

A. General

(1) This task gives the procedures to install the inverter.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 21-26-00-700-801-A/500	ELECTRONIC COMPARTMENT VENTILATION SYSTEM - OPERATIONAL CHECK

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114AZ	Nose landing gear 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	Electric compartment

I. Preparation

SUBTASK 841-003-A

(1) Make sure that the circuit breaker(s) on the circuit breaker panel is (are) open and safetied, as applicable:

- EXHAUST 1 (Inverter of the LH exhaust fan).
- EXHAUST 2 (Inverter of the RH exhaust fan).
- RECIRC 1 (Inverter of the LH recirculation fan).
- RECIR 2 (Inverter of the RH recirculation fan).



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

J. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the inverter (1) in the installation position.
- (2) Install the washers (3) and the screws (2).
- (3) Connect the electrical connectors (4).

K. Follow-on

SUBTASK 842-002-A

- (1) Do the [AMM TASK 21-26-00-700-801-A/500](#).
- (2) Install access panels 114AZ (AMM MPP 06-41-01/100).
- (3) Remove the safety device(s) and close the circuit breaker(s), as applicable:
  - EXHAUST 1 (Inverter of the LH exhaust fan).
  - EXHAUST 2 (Inverter of the RH exhaust fan).
  - RECIRC 1 (Inverter of the LH recirculation fan).
  - RECIRC 2 (Inverter of the RH recirculation fan).