



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

PASSENGER CABIN DISTRIBUTION - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to remove and install the conditioned-air supply ducts.
- B. The conditioned-air supply ducts are installed in the passenger cabin.
- C. The conditioned-air supply ducts interconnect the ducts, under the passenger cabin floor, with the floor outlets.
- D. 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 |
|--------------------|--|--------------------------|
| 21-22-06-000-801-A | CONDITIONED-AIR SUPPLY DUCT - REMOVAL | ACFT MODEL(S) EMB-145 |
| 21-22-06-400-801-A | CONDITIONED-AIR SUPPLY DUCT - INSTALLATION | ACFT MODEL(S) EMB-145 |



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TASK 21-22-06-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. CONDITIONED-AIR SUPPLY DUCT - REMOVAL

A. General

- (1) This task gives the instructions to remove the supply ducts.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|-------------|
| AMM MPP 06-41-02/100 | - |
| AMM TASK 53-01-02-000-802-A/400 | - |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|-----------------------|
| 241 | 241AF | Passenger cabin floor |
| 242 | 242BF | Passenger cabin floor |
| 251 | 251AF | Passenger cabin floor |
| 251 | 251CF | Passenger cabin floor |
| 251 | 251JF | Passenger cabin floor |
| 252 | 252BF | Passenger cabin floor |
| 252 | 252AF | Passenger cabin floor |

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 | Passenger cabin |

I. Preparation

SUBTASK 841-011-A

- (1) Remove the applicable passenger-cabin floor panel (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-000-802-A/400).



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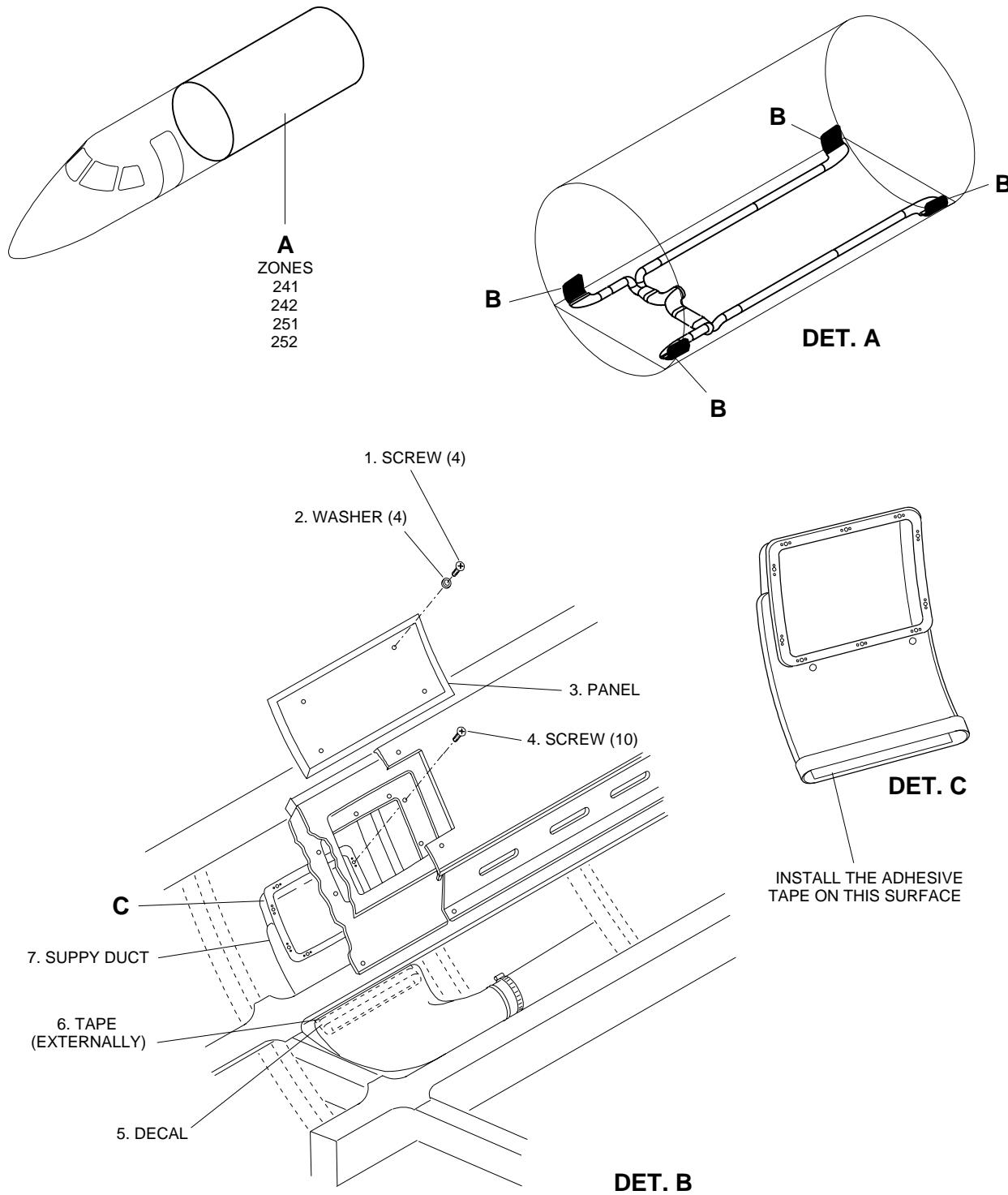
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J. Removal of the Duct Assembly ([Figure 401](#))

SUBTASK 020-011-A

- (1) Remove the four screws (1) and washers (2).
- (2) Remove the panel (3).
- (3) Remove the ten screws (4).
- (4) Remove the decal (5) and adhesive tape (6).
- (5) Remove the conditioned-air supply duct (7).

EFFECTIVITY:: ACFT MODEL(S) EMB-145
 Conditioned-Air Supply Duct - Removal/Installation
 Figure 401





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TASK 21-22-06-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

3. CONDITIONED-AIR SUPPLY DUCT - INSTALLATION

A. General

(1) This task gives the procedure to install the conditioned-air supply duct.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|-------------|
| AMM MPP 06-41-02/100 | - |
| AMM TASK 28-41-00-200-801-A/600 | - |
| AMM TASK 53-01-02-400-802-A/400 | - |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|-----------------------|
| 241 | 241AF | Passenger cabin floor |
| 242 | 242BF | Passenger cabin floor |
| 251 | 251AF | Passenger cabin floor |
| 251 | 251CF | Passenger cabin floor |
| 251 | 251JF | Passenger cabin floor |
| 252 | 252BF | Passenger cabin floor |
| 252 | 252AF | Passenger cabin floor |

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

| SPECIFICATION (BRAND) | DESCRIPTION | QTY |
|--------------------------|---------------------|-----|
| KB 42/75 mm | Tape, gray | AR |
| PE43035-1 | Decal | AR |
| OT-57 CW | Orcon Adhesive Tape | AR |

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|-----------------|
| 1 | Does the task | Passenger cabin |



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I. Installation of the Duct Assembly (Figure 401)

SUBTASK 420-011-A

- (1) Apply adhesive tape OT-57 CW on the lower portion of the conditioned-air supply duct to seal the duct and the supply duct together.
- (2) Install conditioned-air supply duct (7).
- (3) Seal the duct with adhesive tape (6) and install decal (5).
- (4) Install ten screws (4).
- (5) Install panel (3).
- (6) Install four washers (4) with four screws (1).

J. Follow-on

SUBTASK 842-011-A

- (1) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations (Section 6) of the Maintenance Review Board Report (MRB).

- (2) Install the applicable passenger-cabin floor panel (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-400-802-A/400).