

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

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

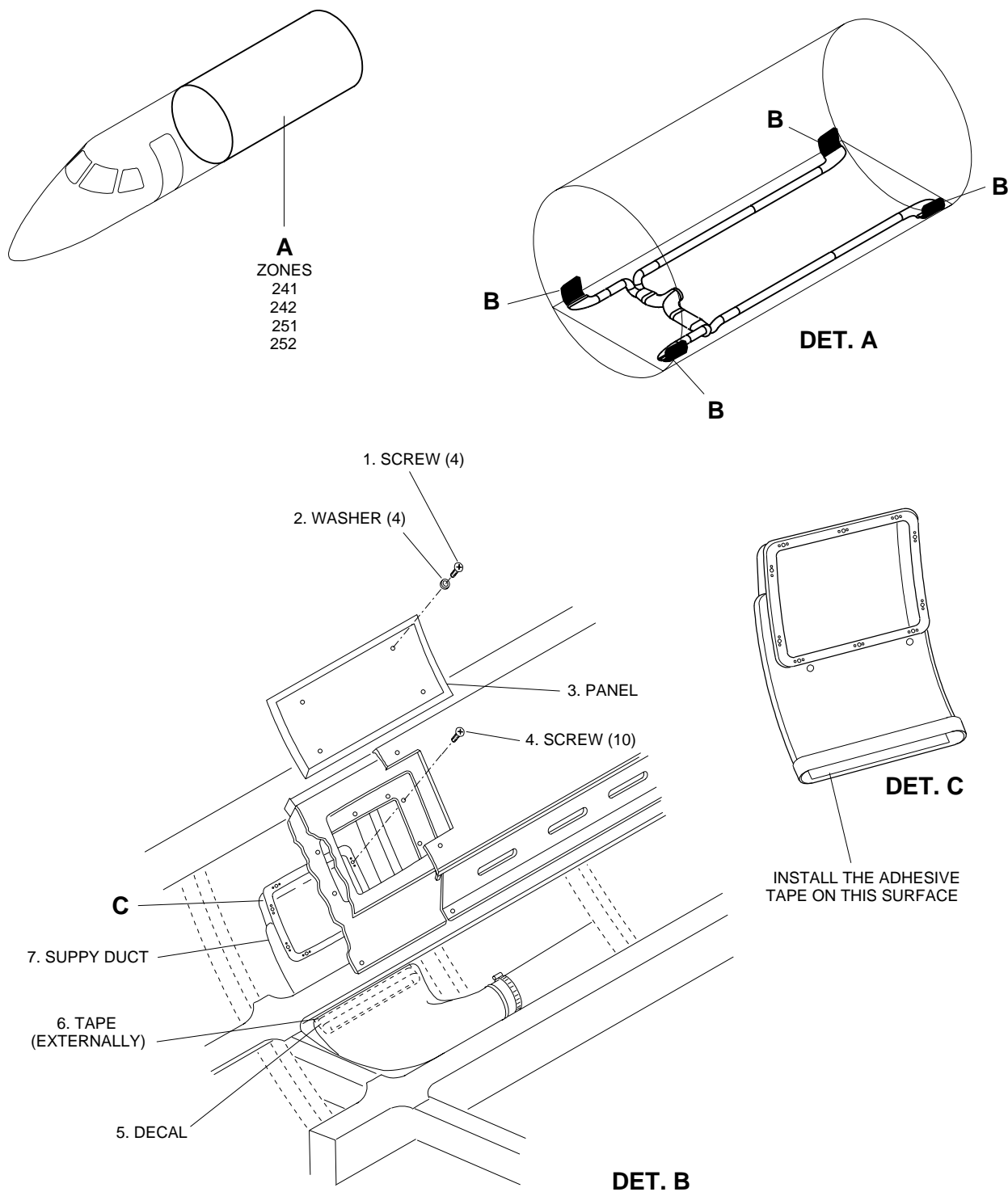
(1) Remove the applicable passenger-cabin floor panel (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-000-802-A/400).

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

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).