

GASPER SHUTOFF VALVE - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to remove/install the gasper shutoff valve.
- B. The gasper shutoff valve is installed under the passenger cabin floor, in the line that sends conditioned air to the gasper fan.
- C. 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
21-23-01-000-801-A	GASPER SHUTOFF VALVE - REMOVAL	ACFT MODEL(S) EMB-145
21-23-01-400-801-A	GASPER SHUTOFF VALVE - INSTALLATION	ACFT MODEL(S) EMB-145

TASK 21-23-01-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. GASPER SHUTOFF VALVE - REMOVAL

A. General

(1) This task gives the procedures to remove the gasper shutoff valve.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM TASK 53-01-02-000-801-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
251	251HF	Passenger cabin floor
252	252DF	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	Under the passenger cabin floor

I. Preparation

SUBTASK 841-016-A

- (1) On the overhead circuit breaker panel, open the GASPER FAN circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) Remove the floor access panels 251HF and 252DF (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-000-801-A/400).

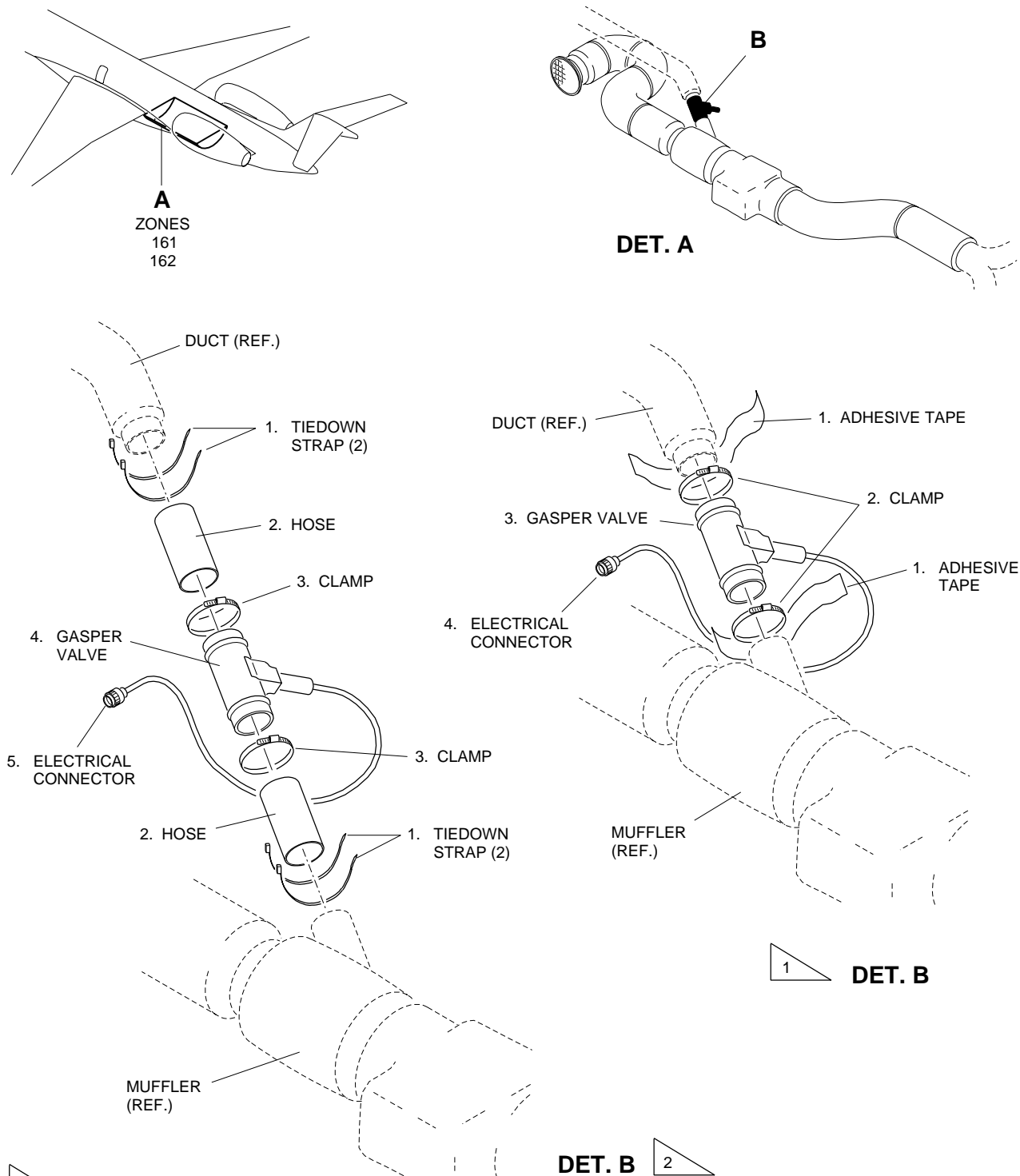
J. Removal [\(Figure 401\)](#)

SUBTASK 020-009-A

- (1) On aircraft s/n 004 thru 271:

- (a) Disconnect the electrical connector (4).
 - (b) Remove the clamps (2).
 - (c) Remove the adhesive tapes (1).
 - (d) Remove the gasper valve (3).
- (2) On aircraft s/n 272 and on:
- (a) Disconnect the electrical connector (5).
 - (b) Remove the clamps (3).
 - (c) Remove the tiedown straps (1).
 - (d) Remove the hoses (2).
 - (e) Remove the gasper valve (4).

EFFECTIVITY: ACFT MODEL(S) EMB-145
Gasper Shutoff Valve - Removal/Installation
Figure 401



1 A/C S/N 004 THRU 271

2 A/C S/N 272 AND ON

TASK 21-23-01-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

3. GASPER SHUTOFF VALVE - INSTALLATION

A. General

(1) This task gives the procedures to install the gasper shutoff valve.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 53-01-02-400-801-A/400	-
IPC 21-23-00	GASPER

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
251	251HF	Passenger cabin floor
252	252DF	Passenger cabin floor

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
KB42/75 - 75 mm (2.95 in)	Adhesive Tape	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Tiedown strap	IPC 21-23-00	4

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Under the passenger cabin floor

I. Preparation

SUBTASK 841-017-A

- (1) On the overhead circuit breaker panel, make sure that the GASPER FAN circuit breaker is open and with a DO-NOT-CLOSE tag attached to it.

J. Installation (Figure 401)

SUBTASK 420-009-A

- (1) On aircraft s/n 004 thru 271:
 - (a) Put the gasper valve (3) in the installation position.
 - (b) Attach the gasper valve (3) to the conditioned air duct (REF.) and to the muffler (REF.) with five turns of adhesive tape (1).
 - (c) Install the clamps (2).
 - (d) Connect the electrical connector (4).
- (2) On aircraft s/n 272 and on:
 - (a) Connect the hoses (2) to the gasper valve (4), to the conditioned air duct (REF.), and to the muffler (REF.).
 - (b) Install the clamps (3).
 - (c) Install the tiedown straps (1).
 - (d) Connect the electrical connector (5).

K. Follow-on

SUBTASK 842-009-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 floor access panels 251HF and 252DF (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-400-801-A/400).
- (3) On the overhead circuit breaker panel, remove the DO-NOT-CLOSE tag from the GASPER FAN circuit breaker and close it.