

## GASPER SYSTEM MUFFLERS - REMOVAL/INSTALLATION

*EFFECTIVITY: ACFT MODEL(S) EMB-145*

### 1. General

- A. This section gives the procedures to remove and install the gasper system mufflers.
- B. The gasper system mufflers are installed in the inlet and outlet of the gasper fan, under the passenger cabin floor.
- 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
21-23-04-000-801-A	GASPER SYSTEM MUFFLERS - REMOV- AL	ACFT MODEL(S) EMB-145
21-23-04-400-801-A	GASPER SYSTEM MUFFLERS - INSTAL- LATION	ACFT MODEL(S) EMB-145

TASK 21-23-04-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

## 2. GASPER SYSTEM MUFFLERS - REMOVAL

### A. General

(1) This task gives the procedures to remove the gasper system mufflers.

### 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
261	261BF	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 841-009-A

(1) Remove the floor access panels (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-000-801-A/400), as applicable:

- 251HF and 252DF (Inlet mufflers).
- 261BF (Outlet muffler).

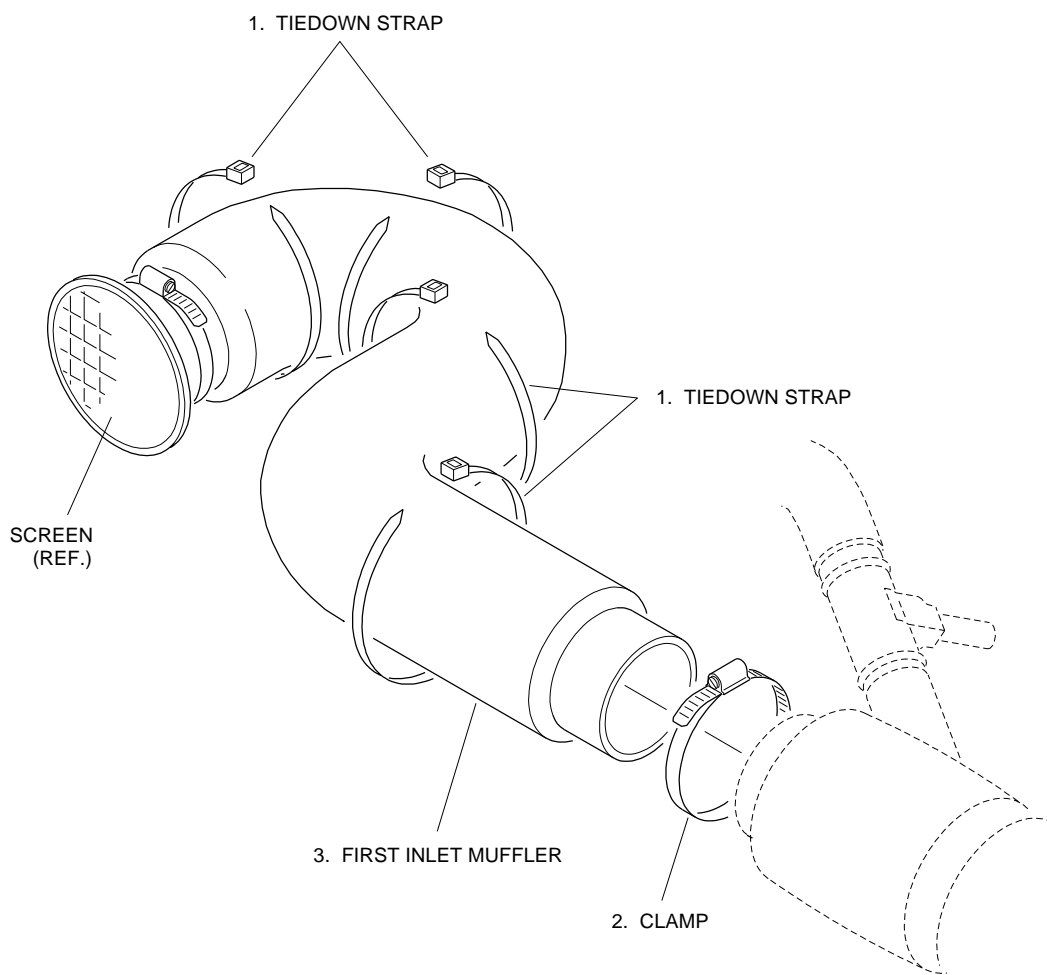
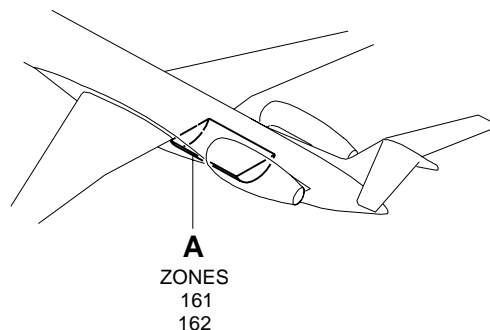
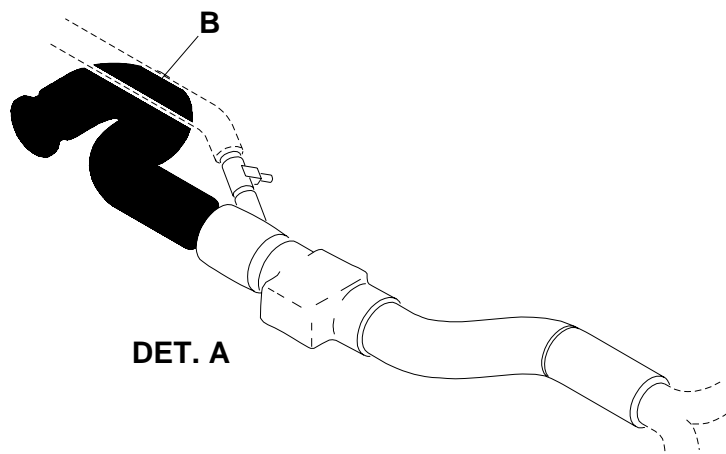
(2) Loosen the velcro fastener of the insulation blankets of the gasper fan, if applicable.

J. Removal of the Gasper System Mufflers (Figure 401)

*SUBTASK 020-009-A*

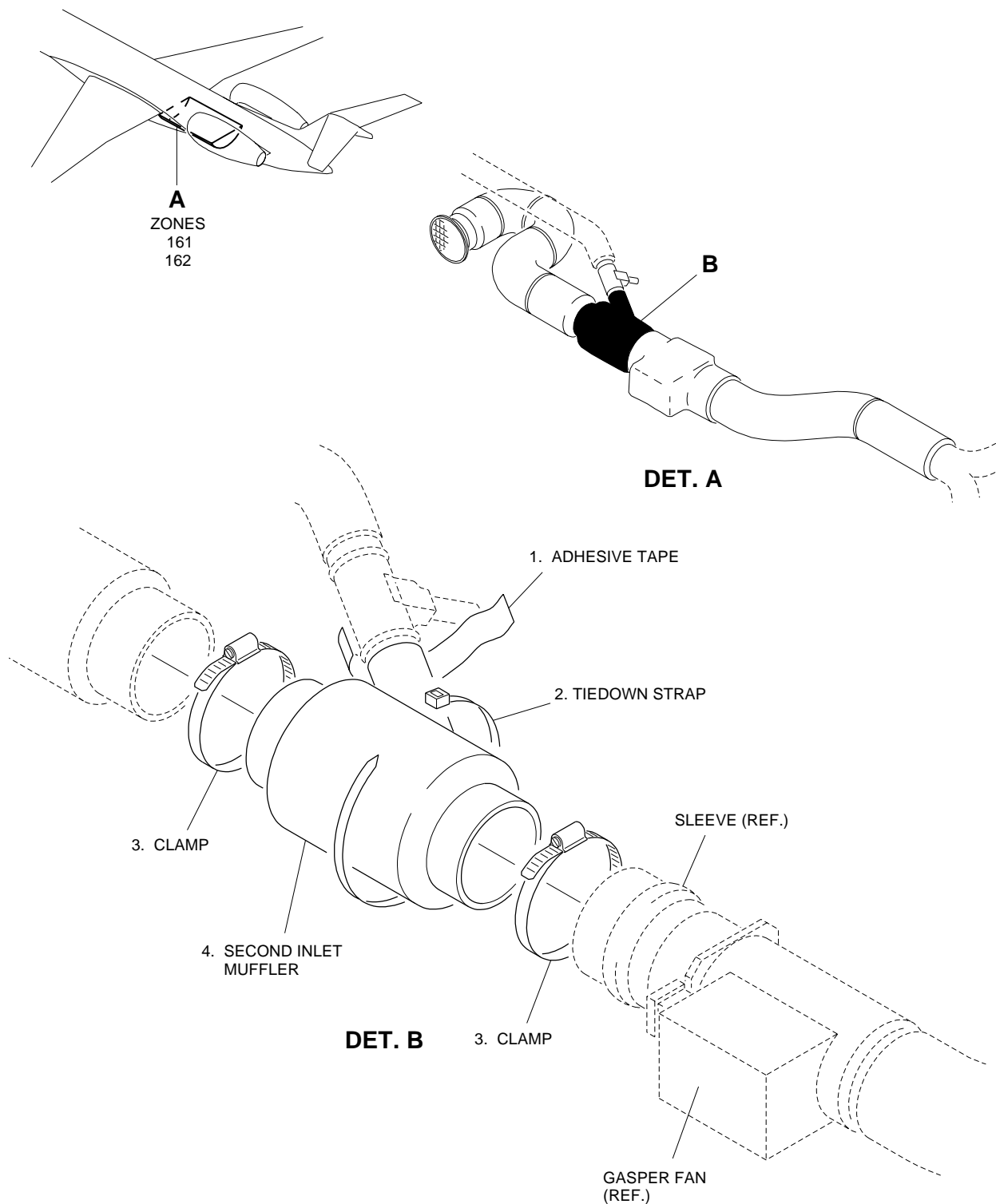
- (1) Remove the first inlet muffler (Figure 401, Sheet 1) as follows:
  - (a) Remove the tiedown straps (1).
  - (b) Loosen the clamp (2).
  - (c) Remove the first inlet muffler (3).
- (2) Remove the second inlet muffler (Figure 401, Sheet 2) as follows:
  - (a) Remove the adhesive tape (1).
  - (b) Remove the tiedown strap (2).
  - (c) Loosen the clamps (3).
  - (d) Remove the second inlet muffler (4).
- (3) Remove the outlet muffler (Figure 401, Sheet 3) as follows:
  - (a) Remove the tiedown strap (2).
  - (b) Loosen the clamps (1).
  - (c) Remove the outlet muffler (3).

EFFECTIVITY: ACFT MODEL(S) EMB-145  
Gasper System Mufflers - Removal/Installation  
Figure 401 - Sheet 1



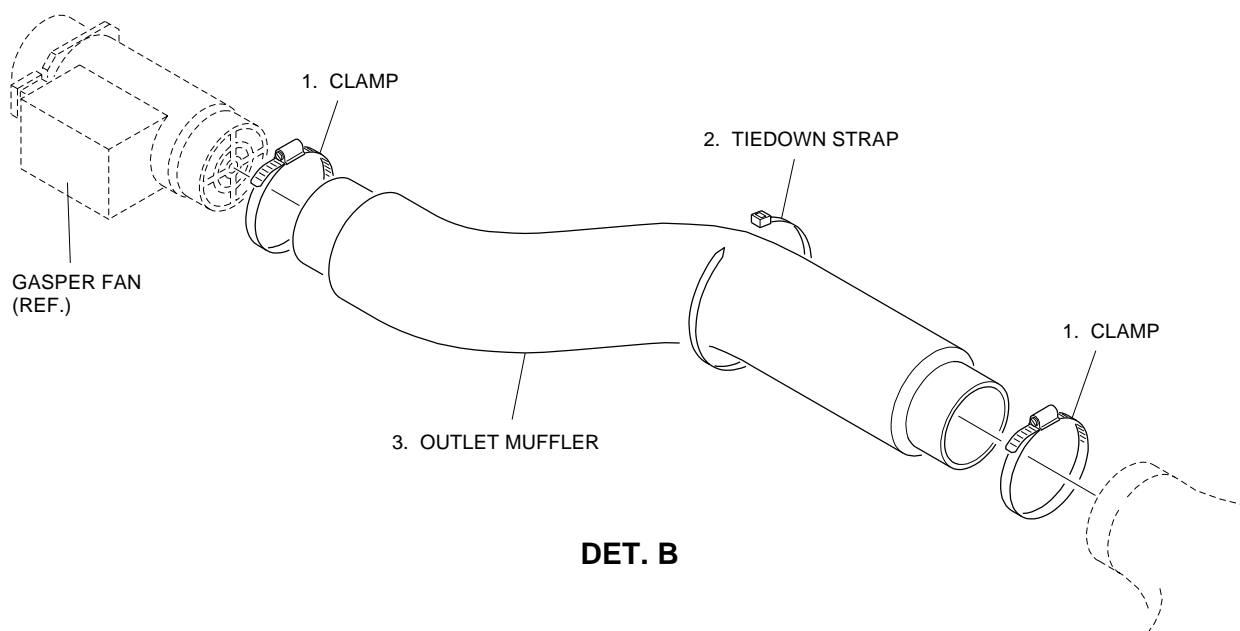
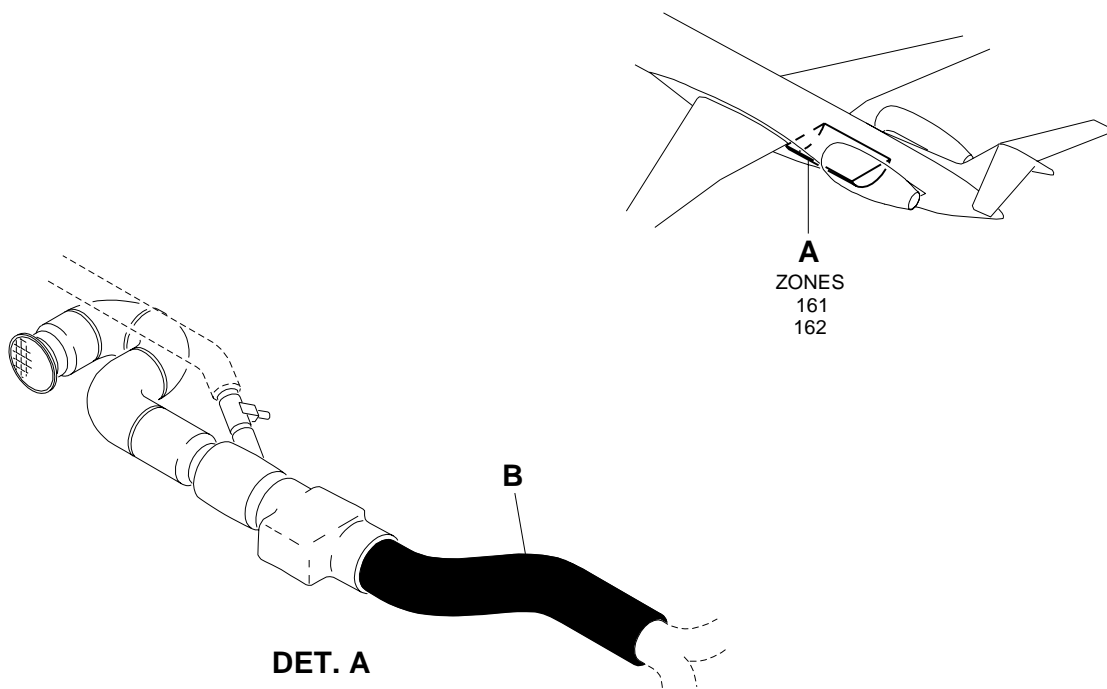
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EFFECTIVITY: ACFT MODEL(S) EMB-145  
Gasper System Mufflers - Removal/Installation  
Figure 401 - Sheet 2



EM145AMM211235A.DGN

EFFECTIVITY: ACFT MODEL(S) EMB-145  
Gasper System Mufflers - Removal/Installation  
Figure 401 - Sheet 3



EM145AMM211236A.DGN

TASK 21-23-04-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

### 3. GASPER SYSTEM MUFFLERS - INSTALLATION

#### A. General

(1) This task gives the procedures to install the gasper system mufflers.

#### 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
261	261BF	Passenger cabin floor

#### D. Tools and Equipment

Not Applicable

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
KB 42/75 - 75 mm (2.95 in)	Adhesive Tape	AR

#### G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Tiedown strap	IPC 21-23-00	6

#### H. Persons Recommended

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

I. Installation of the Gasper System Mufflers (Figure 401)

*SUBTASK 420-009-A*

- (1) Install the first inlet muffler (Figure 401, Sheet 1) as follows:
  - (a) Put the first inlet muffler (3) in the installation position.
  - (b) Install the clamp (2).
  - (c) Install the tiedown straps (1).
- (2) Install the second inlet muffler (Figure 401, Sheet 2) as follows:
  - (a) Put the second inlet muffler (4) in the installation position.
  - (b) Install the clamps (3).
  - (c) Install the tiedown strap (2).
  - (d) Attach the muffler to the gasper valve with five turns of adhesive tape (1) on the contour of the ducts.
- (3) Install the outlet muffler (Figure 401, Sheet 3) as follows:
  - (a) Put the outlet muffler (3) in the installation position.
  - (b) Install the clamps (1).
  - (c) Install the tiedown strap (2).

J. Follow-on

*SUBTASK 842-009-A*

- (1) Attach the velcro fastener of the insulation blankets of the gasper fan, if applicable.
- (2) 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).

- (3) Install the floor access panels (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-400-801-A/400), as applicable:
  - 251HF and 252DF (Inlet mufflers).
  - 261BF (Outlet muffler).