



## AIRCRAFT MAINTENANCE MANUAL

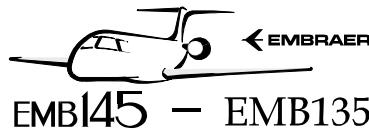
### GASPER SYSTEM MUFFLERS - REMOVAL/INSTALLATION

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-<br>AL      | ACFT MODEL(S)<br>EMB-145 |
| 21-23-04-400-801-A | GASPER SYSTEM MUFFLERS - INSTAL-<br>LATION | ACFT MODEL(S)<br>EMB-145 |



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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.



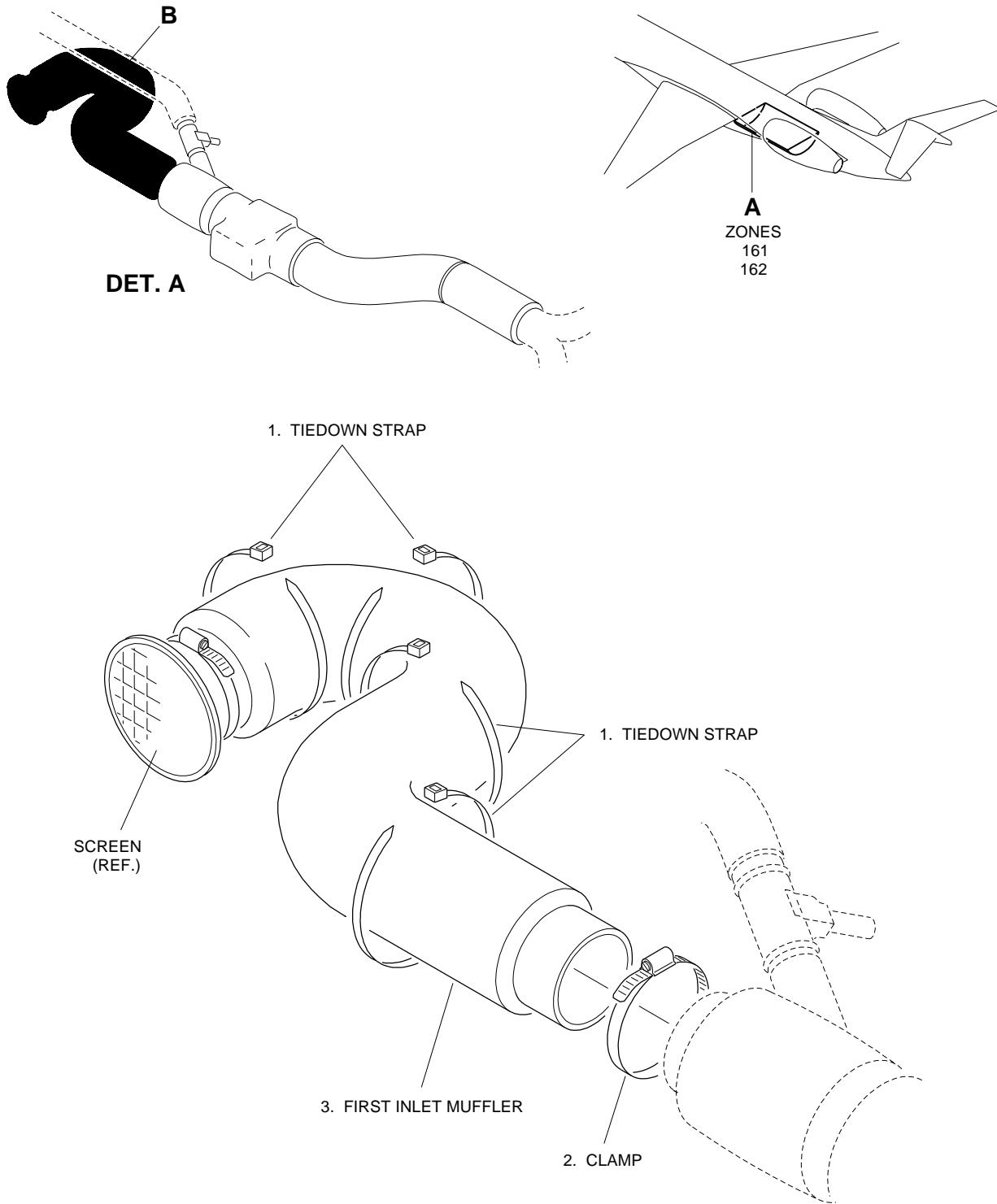
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J. Removal of the Gasper System Mufflers ([Figure 401](#))

SUBTASK 020-009-A

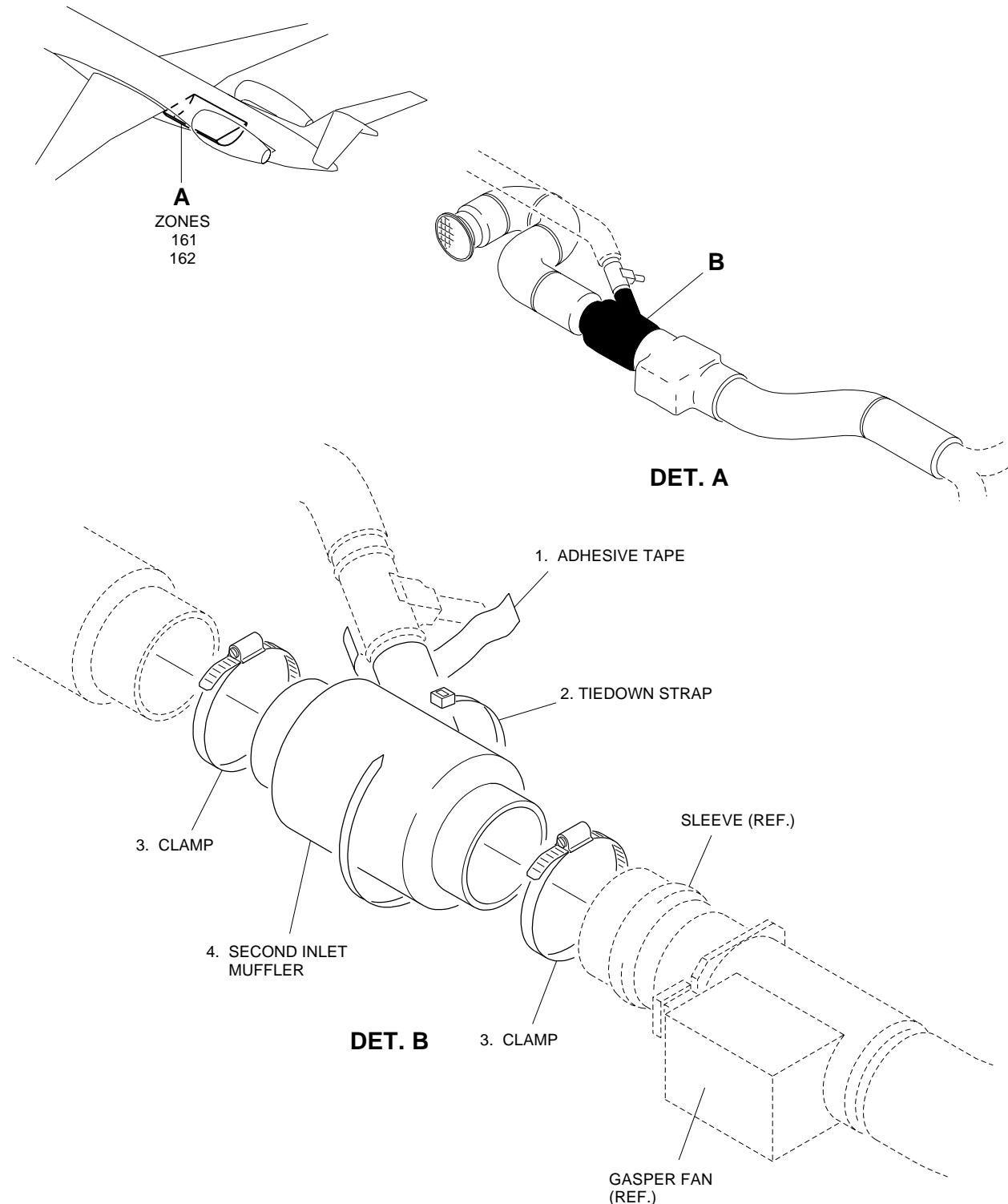
- (1) Remove the first inlet muffler (Figure 401, Sheet 1) as follows:
  - (a) Remove the tiedown straps (1).
  - (b) Loosen the clamp (2).
  - (c) Remove the first inlet muffler (3).
- (2) Remove the second inlet muffler (Figure 401, Sheet 2) as follows:
  - (a) Remove the adhesive tape (1).
  - (b)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



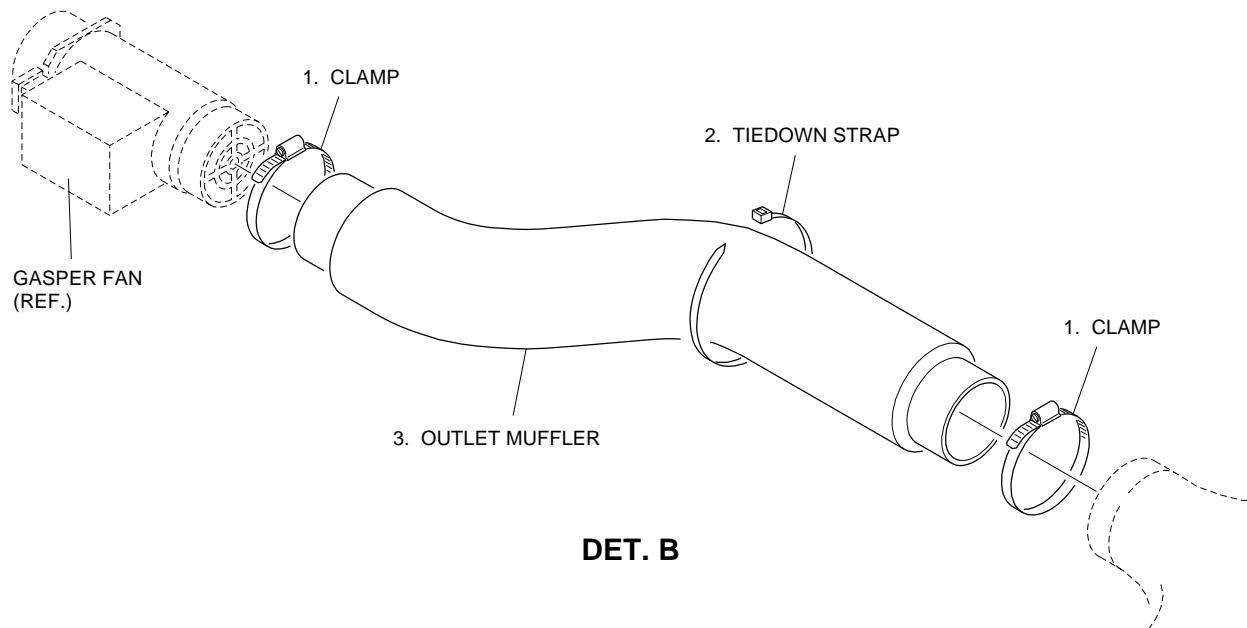
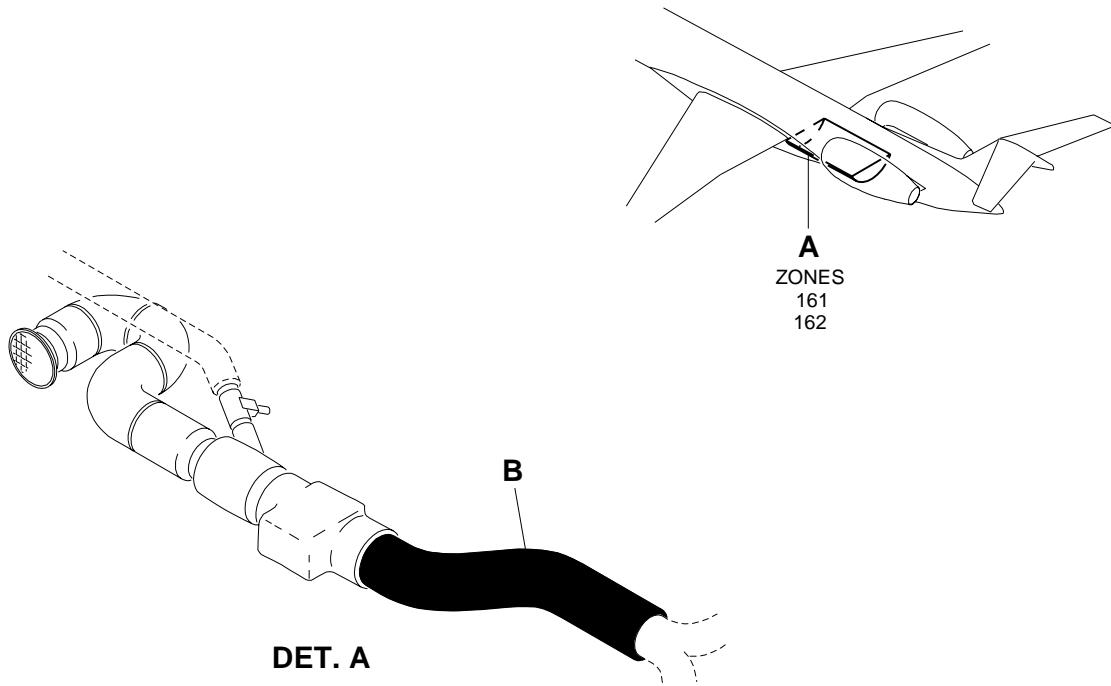
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**EFFECTIVITY: ACFT MODEL(S) EMB-145**  
**Gasper System Mufflers - Removal/Installation**  
**Figure 401 - Sheet 2**



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



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EMB145 – EMB135

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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

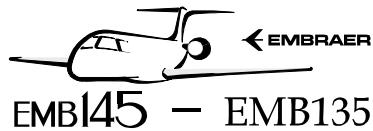
| SPECIFICATION<br>(BRAND)   | DESCRIPTION   | QTY |
|----------------------------|---------------|-----|
| KB 42/75 - 75 mm (2.95 in) | Adhesive Tape | AR  |

G. Expendable Parts

| ITEM          | IPC REFERENCE<br>(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 |



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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).