



AIRCRAFT MAINTENANCE MANUAL

GASPER SYSTEM MUFFLERS - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

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
21-23-04-000-802-A	GASPER SYSTEM MUFFLERS - REMOV- AL	ACFT MODEL(S) EMB-135
21-23-04-400-802-A	GASPER SYSTEM MUFFLERS - INSTAL- LATION	ACFT MODEL(S) EMB-135



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TASK 21-23-04-000-802-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

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 53-01-02-000-802-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 841-010-A

- (1) Remove the floor access panels (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-000-802-A/400), as applicable:
- 251HF and 252DF (Inlet mufflers).
 - 251HF (Outlet muffler).
- (2) Loosen the velcro fastener of the insulation blankets of the gasper fan, if applicable.



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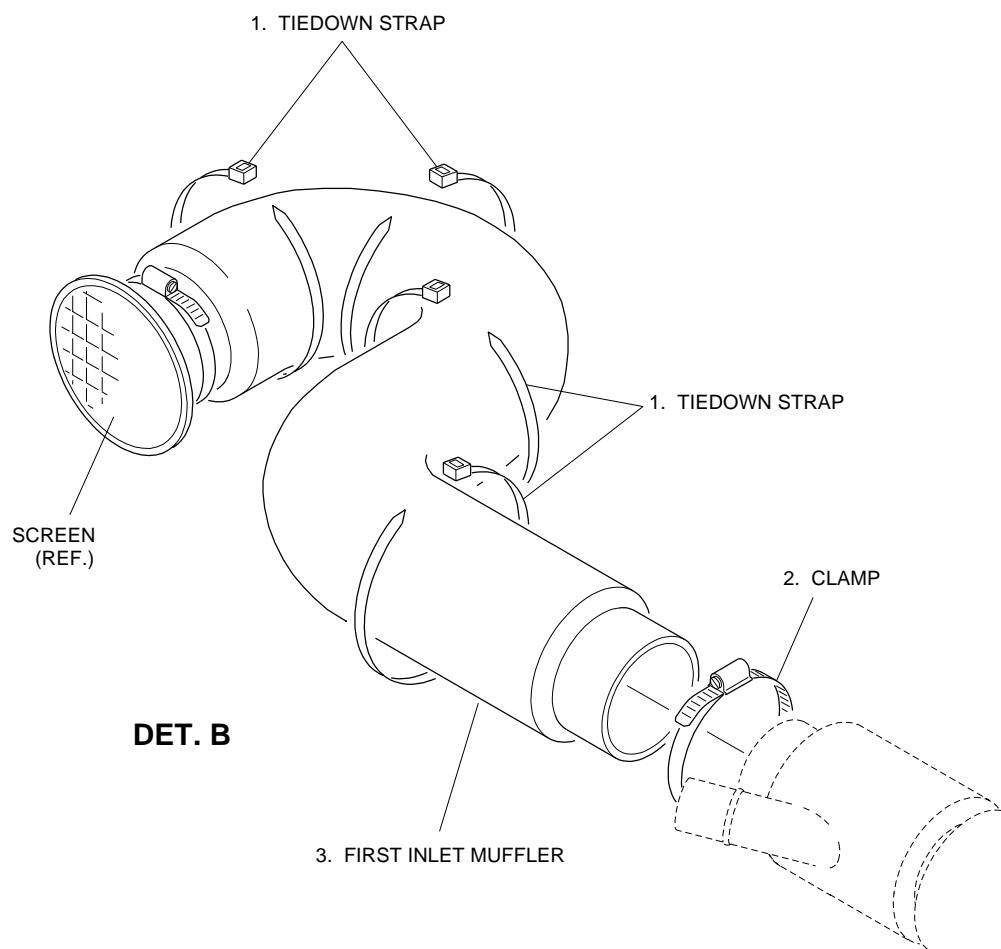
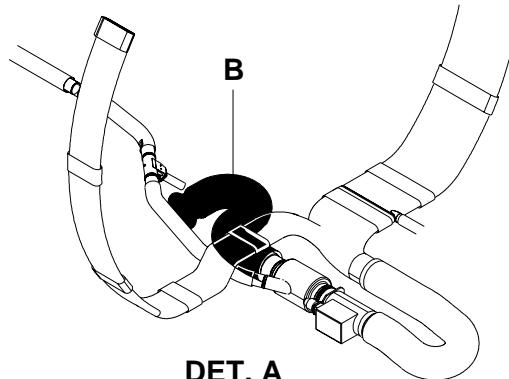
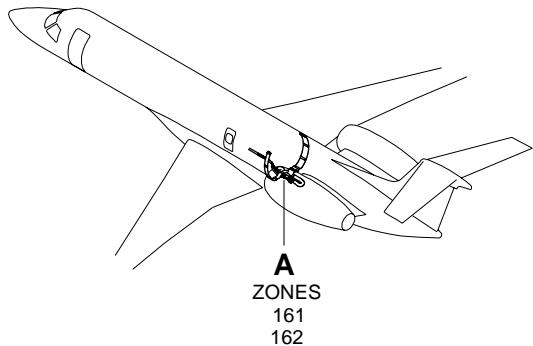
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J. Removal of the Gasper System Mufflers ([Figure 401](#))

SUBTASK 020-010-A

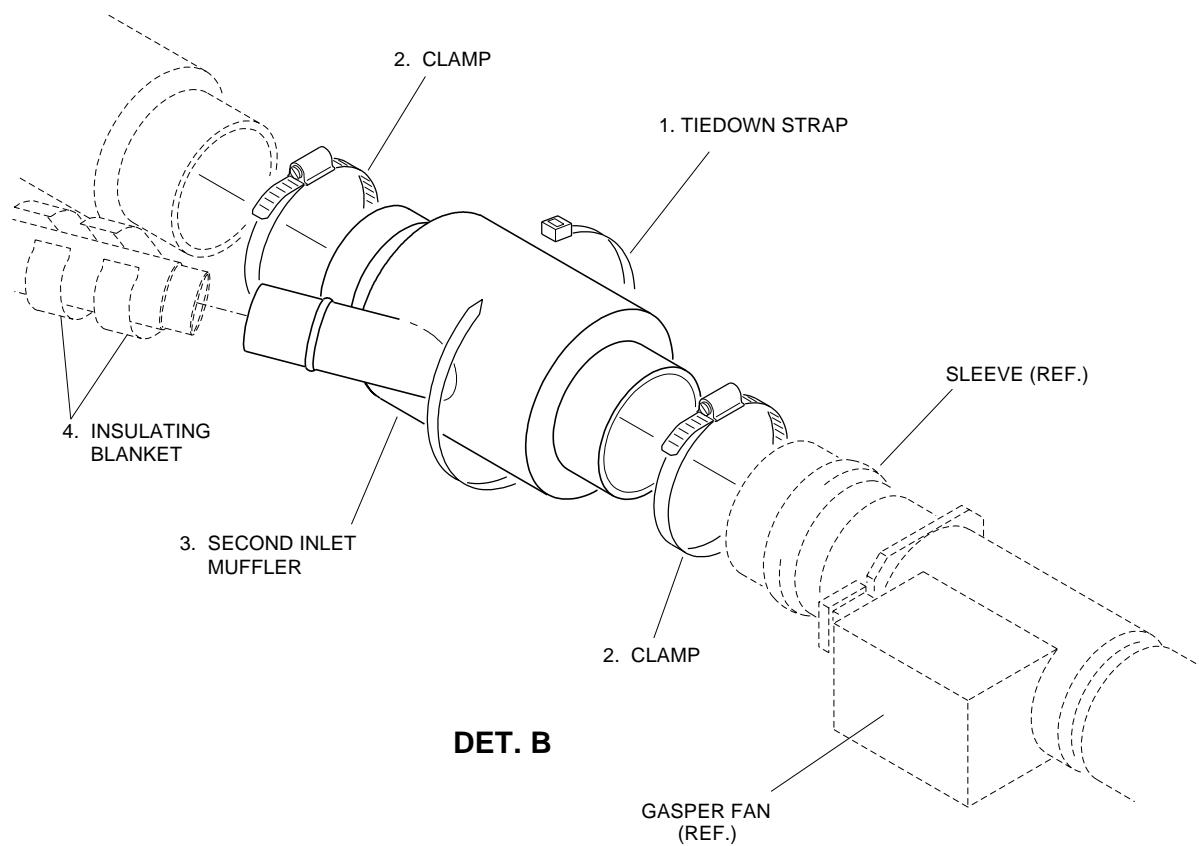
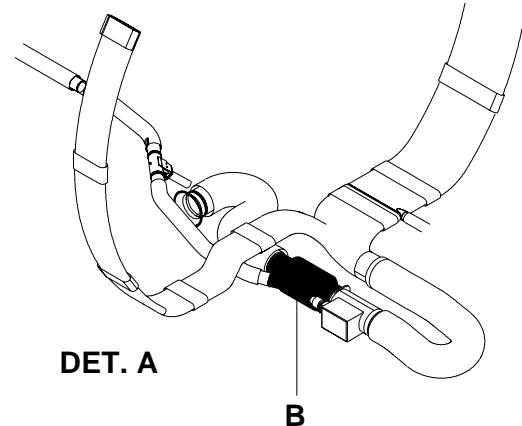
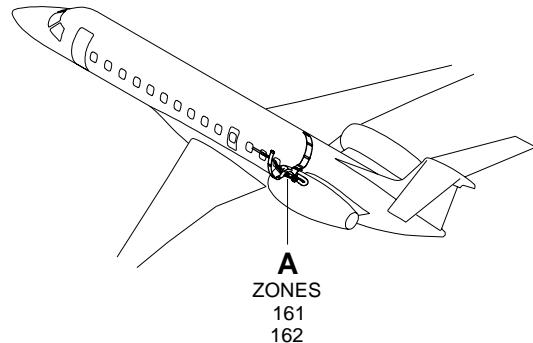
- (1) Remove the first inlet muffler (Figure 401, Sheet 1) as follows:
 - (a) Remove the tiedown straps (1).
 - (b) Loosen the clamp (2).
 - (c) Remove the first inlet muffler (3).
- (2) Remove the second inlet muffler (Figure 401, Sheet 2) as follows:
 - (a) Remove the tiedown strap (1).
 - (b) Loosen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

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Gasper System Mufflers - Removal/Installation
Figure 401 - Sheet 1



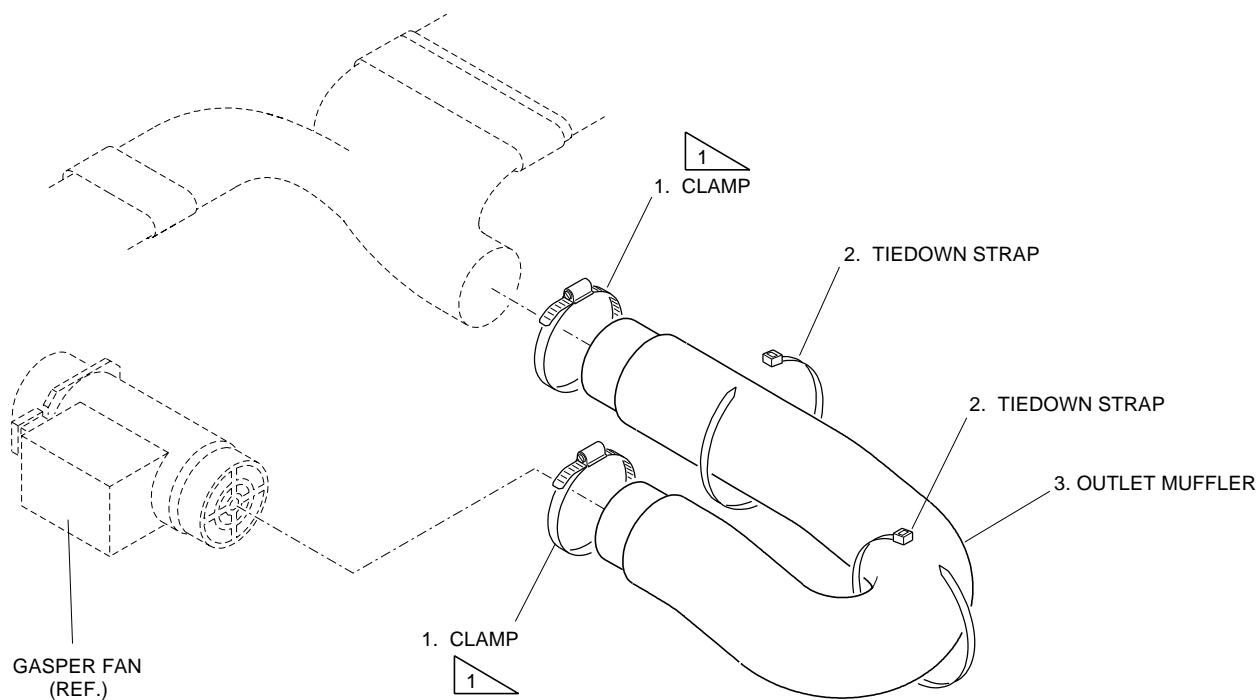
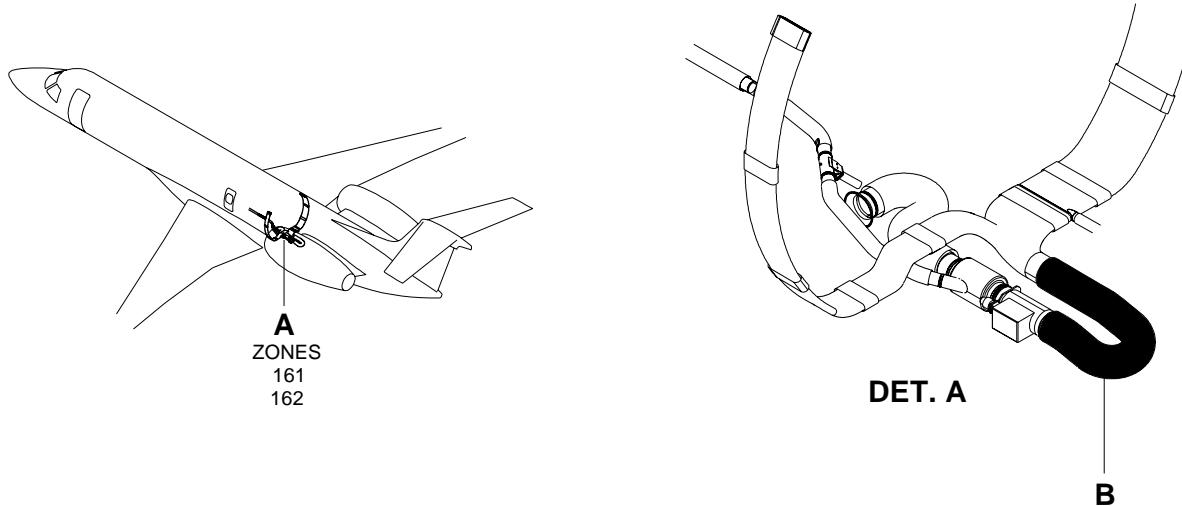
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EFFECTIVITY: ACFT MODEL(S) EMB-135
Gasper System Mufflers - Removal/Installation
Figure 401 - Sheet 2



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EFFECTIVITY: ACFT MODEL(S) EMB-135
Gasper System Mufflers - Removal/Installation
Figure 401 - Sheet 3



APPLY TIGHTENING TORQUE OF 5.6 – 6.8 N.m (50 – 60 lb.in).

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TASK 21-23-04-400-802-A
EFFECTIVITY: ACFT MODEL(S) EMB-135
3. GASPER SYSTEM MUFFLERS - INSTALLATION
A. General

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

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 06-41-02/100	-
AMM TASK 53-01-02-400-802-A/400	-
IPC 21-23-00	GASPER

C. Zones and Accesses

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

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

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

G. Expendable Parts

<i>ITEM</i>	<i>IPC REFERENCE (VENDOR REFERENCE)</i>	<i>QTY</i>
Tiedown strap	IPC 21-23-00	7

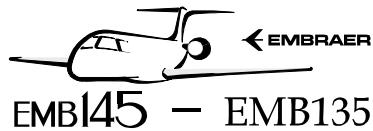
H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Under the passenger cabin floor

I. Installation of the Gasper System Mufflers (Figure 401)
SUBTASK 420-010-A

- (1) Install the first inlet muffler (Figure 401, Sheet 1) as follows:

- (a) Put the first inlet muffler (3) in the installation position.



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- (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 (3) in the installation position.
 - (b) Install the clamps (2).
 - (c) Install the tiedown strap (1).
 - (d) Install the insulating blanket (4).
- (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 straps (2).

J. Follow-on

SUBTASK 842-010-A

- (1) Attach the velcro fastener of the insulation blankets of the gasper fan, if applicable.
- (2) Install the floor access panels (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-400-802-A/400), as applicable:
 - 251HF and 252DF (Inlet mufflers).
 - 251HF (Outlet muffler).