



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

GASPER SYSTEM MUFFLERS - CLEANING/PAINTING

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives instructions to clean the gasper system.
- B. The gasper system is installed 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
21-23-04-100-801-A	GASPER SYSTEM - CLEANING	ACFT MODEL(S) EMB-145



AIRCRAFT
MAINTENANCE MANUAL

TASK 21-23-04-100-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. GASPER SYSTEM - CLEANING

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM TASK 21-23-03-000-801-A/400	-
AMM TASK 21-23-03-400-801-A/400	-
AMM TASK 21-23-04-000-801-A/400	-
AMM TASK 21-23-04-400-801-A/400	-
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 53-01-02-000-801-A/400	-
AMM TASK 53-01-02-400-801-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

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Stiff-bristle brush	To clean the screen	1
Commercially available	Vacuum cleaner	To clean the screen	1

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 floor access panels 251HF and 252DF (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-000-801-A/400).
- (2) Remove the mufflers (AMM TASK 21-23-04-000-801-A/400).

J. Cleaning Procedure ([Figure 701](#))

SUBTASK 140-009-A

- (1) Use a stiff-bristle brush at the first inlet muffler screen, to loosen the dirt.
- (2) Use the vacuum cleaner to aspirate the loosen dirt.
- (3) Clean the internal part of the mufflers.
NOTE: If necessary use a vacuum cleaner.
- (4) Visually examine the inlet fan.
- (5) If applicable, remove the gasper fan (AMM TASK 21-23-03-000-801-A/400) and clean it (refer to CMM Technofan 21-25-04).
- (6) Make sure that there is no dirt on the surrounding area of the gasper fan.

K. Follow-on

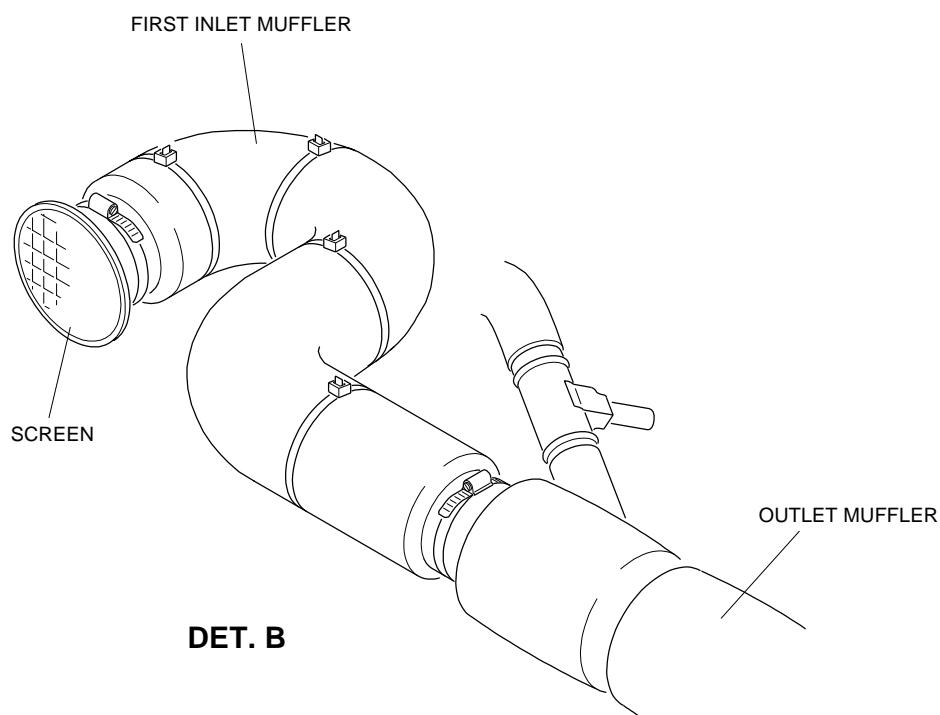
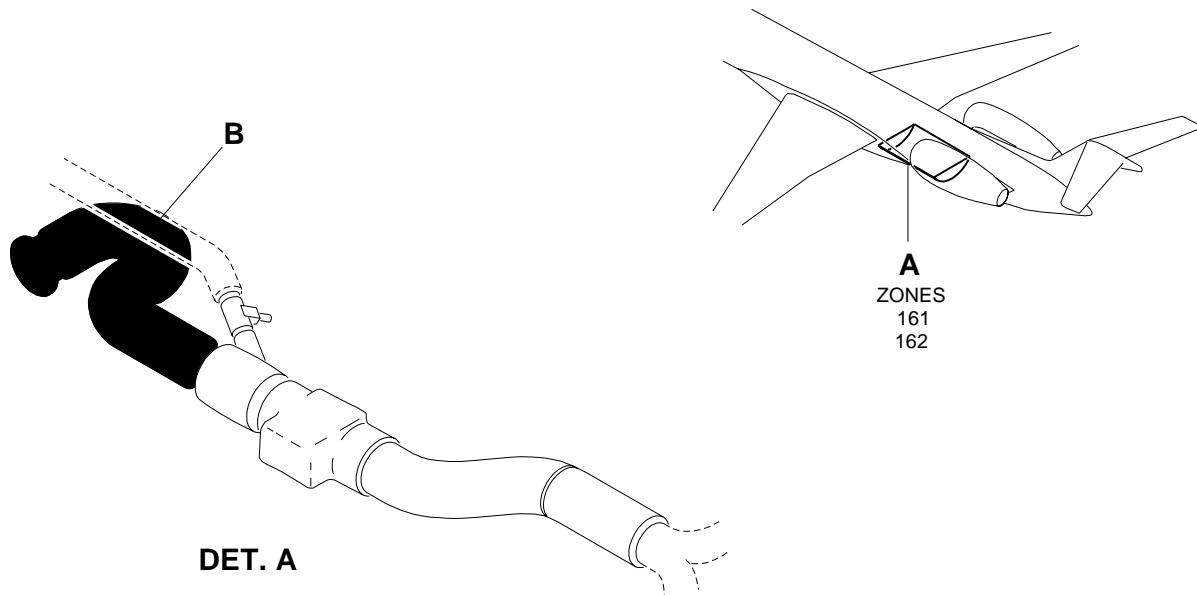
SUBTASK 842-009-A

- (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) If applicable, install the gasper fan back (AMM TASK 21-23-03-400-801-A/400).
- (3) Install the mufflers (AMM TASK 21-23-04-400-801-A/400).
- (4) Install floor access panels 251HF and 252DF (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-400-801-A/400).

EFFECTIVITY: ACFT MODEL(S) EMB-145
Gasper System - Cleaning
Figure 701



EM145AMM210054C.DGN