



AIRCRAFT MAINTENANCE MANUAL

GASPER FAN - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

- A. This section gives the procedures to remove/install the gasper fan.
- B. The gasper fan is installed in the center fuselage III, 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
21-23-03-000-802-A	GASPER FAN - REMOVAL	ACFT MODEL(S) EMB-135
21-23-03-400-802-A	GASPER FAN - INSTALLATION	ACFT MODEL(S) EMB-135



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TASK 21-23-03-000-802-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

2. GASPER FAN - REMOVAL

A. General

- (1) This task gives the procedure to remove the gasper fan.

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

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 panel 251HF (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-000-802-A/400).
- (3) For Velcro-attached insulation, loosen the Velcro fasteners from the insulation blanket of the gasper fan.
For adhesive tape-attached insulation, remove the tape from the insulating blanket of the gasper fan.

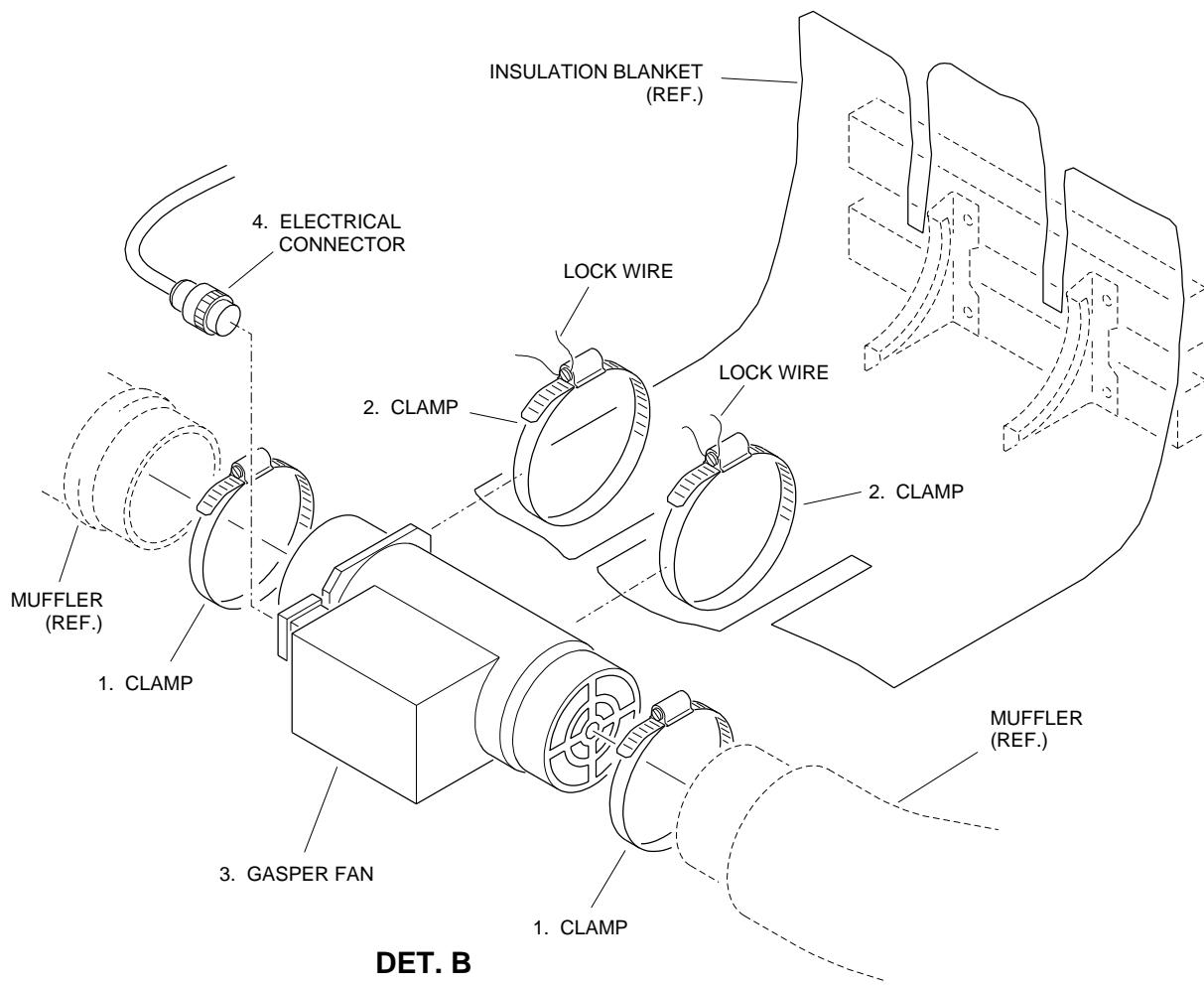
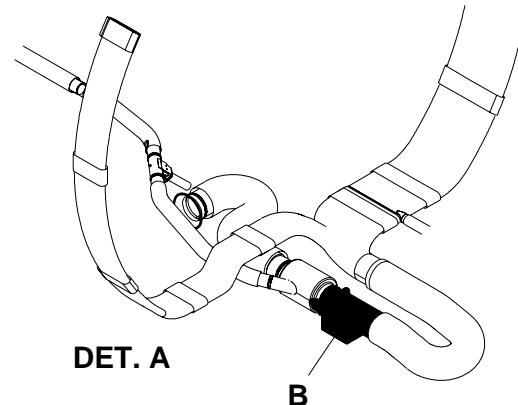
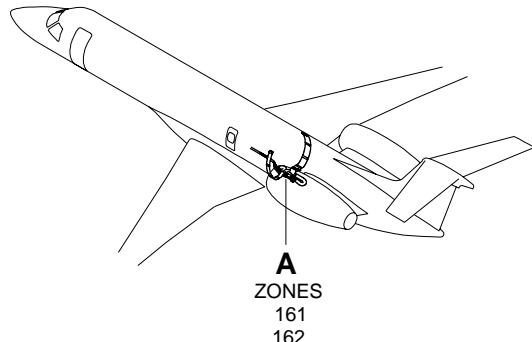


J. Removal ([Figure 401](#))

SUBTASK 020-009-A

- (1) Disconnect the electrical connector (4).
- (2) Remove the clamps (1) that attach the gasper fan in the inlet and outlet mufflers.
- (3) Cut the lockwire and loosen the clamps (2) that attach the fan to its support.
- (4) Remove the gasper fan (3).

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Gasper Fan - Removal/Installation
Figure 401





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TASK 21-23-03-400-802-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

3. GASPER FAN - INSTALLATION

A. General

- (1) This task gives the procedure to install the gasper fan.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM TASK 21-20-00-700-801-A/500	CONDITIONED AIR DISTRIBUTION SYSTEM - OPERATIONAL CHECK
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 53-01-02-400-802-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
251	251HF	Passenger cabin floor

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C20	Safety wire	AR
KB42/75	Adhesive Tape	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

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

I. Preparation

SUBTASK 841-017-A

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



EMB145 – EMB135

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J. Installation (Figure 401)

SUBTASK 420-009-A

- (1) Put the gasper fan (3) in the installation position.
- (2) Install the fan to its support through the clamps (2).
- (3) Lockwire the clamps (2).
- (4) Install the clamps (1) that attach the fan to the inlet and outlet mufflers.
- (5) Connect the electrical connector (4).

K. Follow-on

SUBTASK 842-009-A

- (1) Do the [AMM TASK 21-20-00-700-801-A/500](#).
- (2) For Velcro-attachable insulation, attach the Velcro fastener of the insulating blanket of the gasper fan.

For adhesive tape-attachable insulation, put the insulating blanket in position and apply several pieces of KB42/75 tape to hold the ends of the blanket together.

- (3) 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).

- (4) Install the floor access panel 251HF (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-400-802-A/400).
- (5) On the overhead circuit breaker panel, remove the DO-NOT-CLOSE tag from the GASPER FAN circuit breaker and close it.