



AIRCRAFT
MAINTENANCE MANUAL

RECIRCULATION SYSTEM MUFFLERS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures for removal/installation of the recirculation system mufflers.
- B. The recirculation system mufflers are installed at the inlet and outlet of each recirculation 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
21-24-02-000-801-A	RECIRCULATION SYSTEM MUFFLERS - ALL REMOVAL	
21-24-02-400-801-A	RECIRCULATION SYSTEM MUFFLERS - ALL INSTALLATION	



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TASK 21-24-02-000-801-A

EFFECTIVITY: ALL

2. RECIRCULATION SYSTEM MUFFLERS - REMOVAL

A. General

- (1) This task gives the procedures to remove the recirculation 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
241	241DF (as applicable)	Passenger cabin floor
251	251BF (as applicable)	Passenger cabin floor
252	252AF	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 841-002-A

- (1) Remove the floor access panel (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-000-802-A/400), as applicable:
 - 252AF (Mufflers of the RH recirculation fan).
 - 251BF or 241DF (Mufflers of the LH recirculation fan).
- (2) Loosen the velcro fastener of the insulation blankets of the recirculation fans.



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

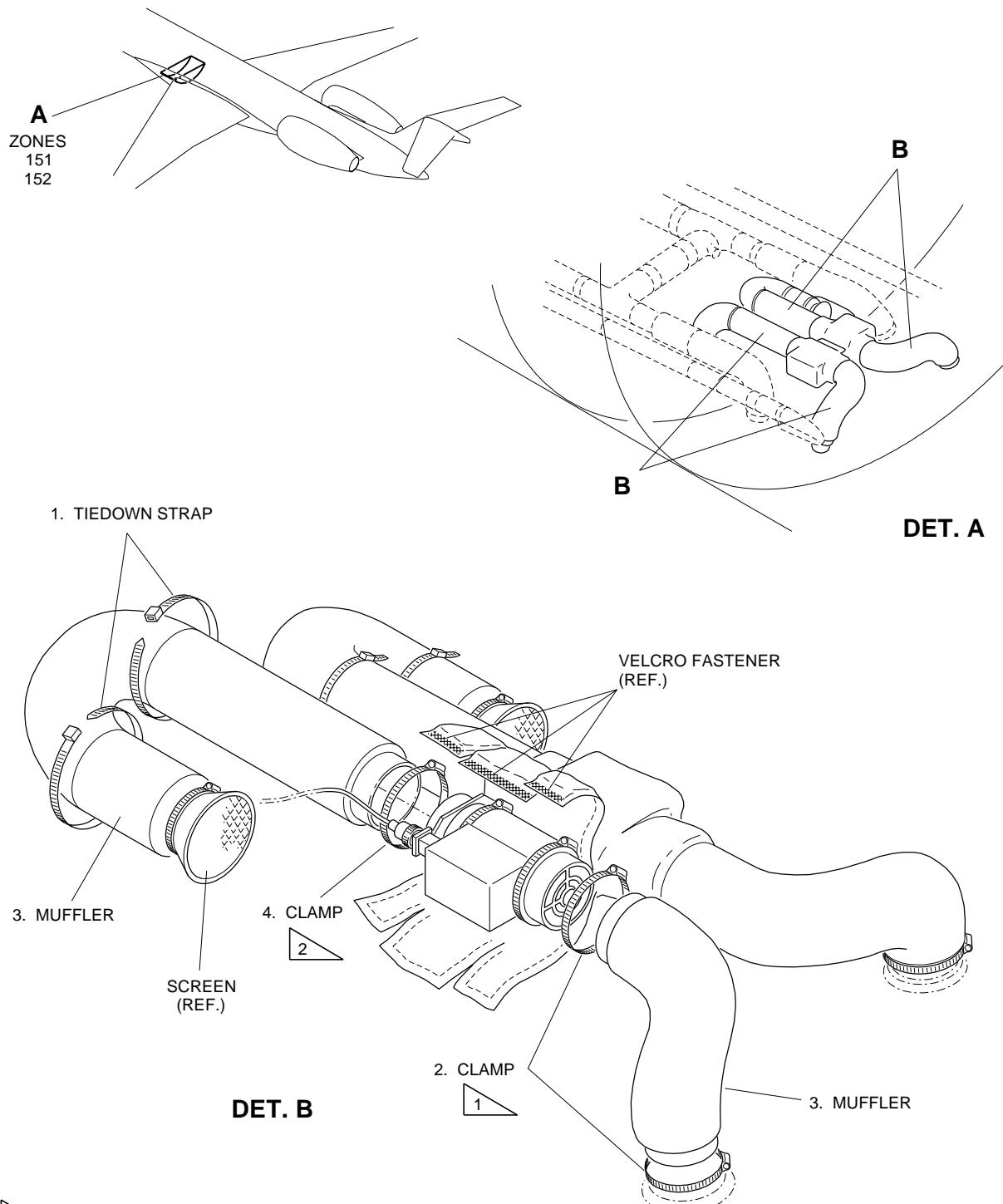
SUBTASK 020-002-A

- (1) Remove the tiedown straps (1), if applicable.
- (2) Loosen the clamps (2) and (4).
- (3) Remove the muffler(s) (3).

EFFECTIVITY: ALL

Recirculation System Mufflers - Removal/Installation

Figure 401



1 TORQUE: 5.6 – 6.8 N.m (50 – 60 lb.in).

2 TORQUE: 2.0 N.m (18 lb.in).

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TASK 21-24-02-400-801-A

EFFECTIVITY: ALL

3. RECIRCULATION SYSTEM MUFFLERS - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 53-01-02-400-802-A/400	-
IPC 21-24-01	RECIRCULATION FAN

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
241	241DF (as applicable)	Passenger cabin floor
251	251BF (as applicable)	Passenger cabin floor
252	252AF	Passenger cabin floor

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Torque wrench	Torque wrench - range: 3.4 - 16.9 N.m (30 - 150 lb.in)	To tighten the clamp(s)	
Torque wrench	Torque wrench - range: 1.1 - 5.6 N.m (10 - 50 lb.in)	To tighten the clamp(s)	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Tiedown strap	IPC 21-24-01	4

H. Persons Recommended

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



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

SUBTASK 420-002-A

- (1) Put the muffler(s) (3) in the installation position.

CAUTION: DUCTS MUST BE INSTALLED WITH NO TWISTING TO PREVENT POSSIBLE RUPTURE OF THE DUCT OR LOOSENING OF ATTACHING CLAMPS. ITS IS RECOMMENDED THAT, BEFORE INSTALLATION YOU MAKE A LINE ALONG THE DUCT. THIS LINE WILL HELP YOU MAKE SURE THAT THE DUCT IS INSTALLED WITH NO TWISTING.

- (2) Install the clamps (2) and (4).
- (3) With a torque wrench, apply a torque of 2.0 N.m (18 lb.in) to the clamp (4).
- (4) With a torque wrench, apply a torque of 5.6 – 6.8 N.m (50 – 60 lb.in) to the clamps (2).
- (5) Install the tiedown straps (1), if applicable.

J. Follow-on

SUBTASK 842-002-A

- (1) Attach the velcro fastener of the insulation blankets of the recirculation fans.
- (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 panel (AMM MPP 06-41-02/100 and AMM TASK 53-01-02-400-802-A/400), as applicable:
 - 252AF (Mufflers of the RH recirculation fan).
 - 251BF or 241DF (Mufflers of the LH recirculation fan).