

EXHAUST DUCT - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the exhaust duct and the exhaust extension assembly.
- B. 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
49-81-01-000-801-A	EXHAUST DUCT - REMOVAL	AIRCRAFT WITHOUT APU EXHAUST SI- LENCER
49-81-01-400-801-A	EXHAUST DUCT - INSTALLATION	AIRCRAFT WITHOUT APU EXHAUST SI- LENCER
49-81-01-000-802-A	EXHAUST EXTENSION ASSEMBLY - RE- MOVAL	AIRCRAFT WITH APU EXHAUST SILENCER
49-81-01-400-802-A	EXHAUST EXTENSION ASSEMBLY - IN- STALLATION	AIRCRAFT WITH APU EXHAUST SILENCER

TASK 49-81-01-000-801-A

EFFECTIVITY: AIRCRAFT WITHOUT APU EXHAUST SILENCER

2. EXHAUST DUCT - REMOVAL

A. General

(1) Obey the instructions below to remove the exhaust duct.

B. References

REFERENCE	DESIGNATION
AMM MPP 49-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 49-11-00-000-801-A/400	APU COWLING - REMOVAL
AMM TASK 49-15-00-000-801-A/400	APU COWLING - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
313		APU cowl

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the APU work area	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	APU work area

I. Preparation

SUBTASK 841-002-A

EFFECTIVITY: AIRCRAFT WITHOUT APU EXHAUST SILENCER

WARNING: BEFORE YOU DO THE TASK OBEY THE SAFETY PRECAUTIONS GIVEN IN **AMM MPP 49-00-00/200** TO PREVENT INJURY TO THE PERSONS AND DAMAGE TO THE MATERIAL.

(1) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:

– APU FUEL SOV.

- (2) On the left power control and distribution box, open the APU GEN START circuit breaker and attach DO-NOT-CLOSE tag to it.
- (3) Remove the APU cowling ([AMM TASK 49-11-00-000-801-A/400](#) or [AMM TASK 49-15-00-000-801-A/400](#), as applicable).

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

SUBTASK 020-002-A

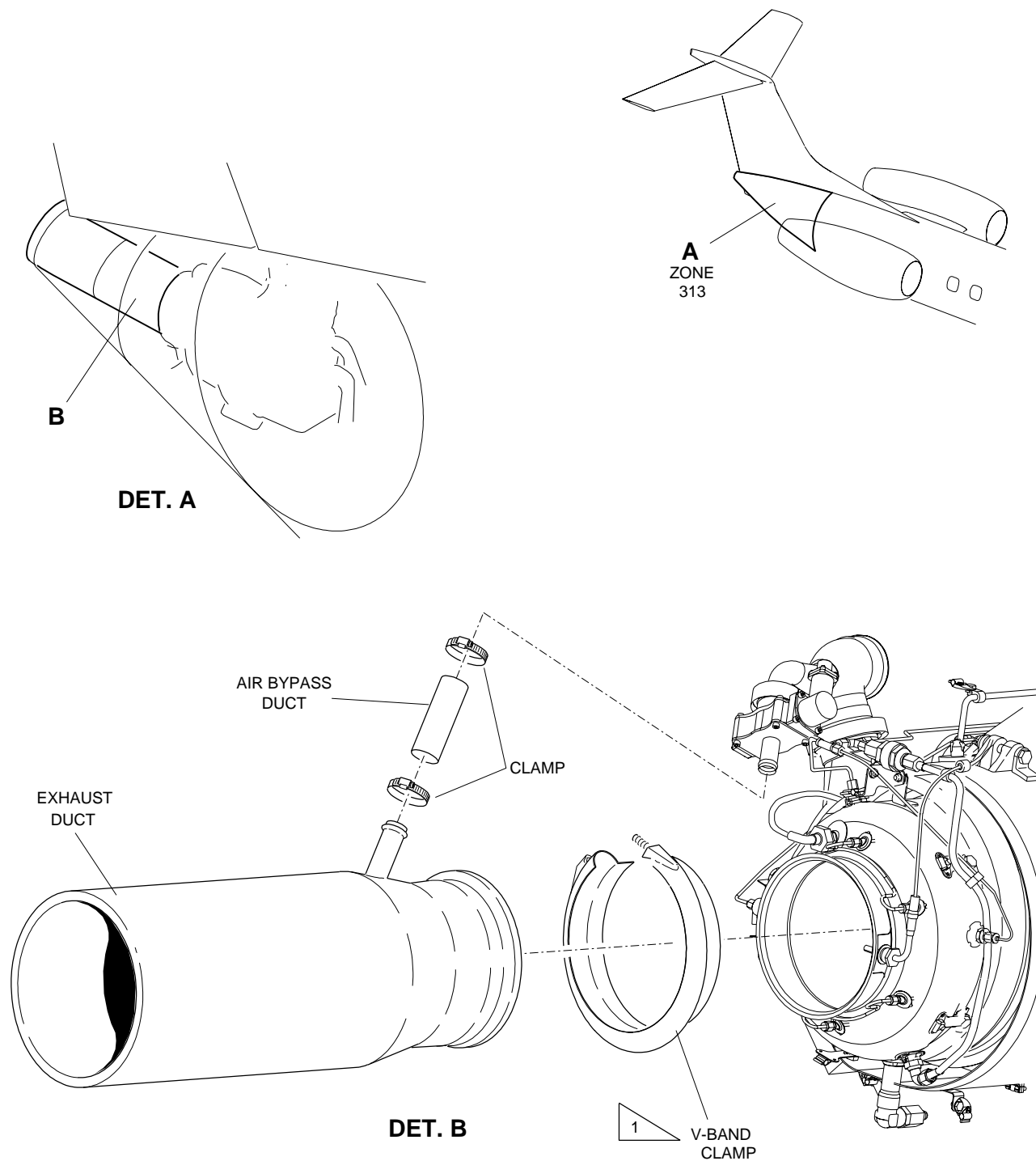
EFFECTIVITY: AIRCRAFT WITHOUT APU EXHAUST SILENCER

- (1) Remove the clamp which attaches the air bypass duct to the exhaust duct.
- (2) Remove the clamp which attaches the air bypass duct to the start bypass valve, if necessary.
- (3) Remove the V-band clamp and remove the exhaust duct.

EFFECTIVITY: AIRCRAFT WITHOUT APU EXHAUST SILENCER

Exhaust Duct - Removal/Installation

Figure 401



1 TORQUE VALVE : 2.25 TO 2.82 Nm (20 TO 25 lb.in)

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TASK 49-81-01-400-801-A

EFFECTIVITY: AIRCRAFT WITHOUT APU EXHAUST SILENCER

3. EXHAUST DUCT - INSTALLATION

A. General

(1) Obey the instructions below to install the exhaust duct.

B. References

REFERENCE	DESIGNATION
AMM TASK 49-11-00-400-801-A/400	APU COWLING - INSTALLATION
AMM TASK 49-15-00-400-801-A/400	APU COWLING - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
313		APU cowling

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque Wrench	To apply the correct torque to the clamp nuts	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the APU work area	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	APU work area

I. Installation (Figure 401)

SUBTASK 420-002-A

EFFECTIVITY: AIRCRAFT WITHOUT APU EXHAUST SILENCER

- (1) Put the exhaust duct in position and install the V-band clamp to the exhaust duct. Refer to Figure 401 for the torque values.
- (2) Install the clamp which attaches the exhaust duct to the air bypass duct.

- (3) Install the clamp which attaches the air bypass duct to the start bypass valve.

J. Follow-on

SUBTASK 842-002-A

EFFECTIVITY: AIRCRAFT WITHOUT APU EXHAUST SILENCER

- (1) Install the APU cowling ([AMM TASK 49-11-00-400-801-A/400](#) or [AMM TASK 49-15-00-400-801-A/400](#), as applicable).
- (2) Remove the DO-NOT-CLOSE tags and close these circuit breakers.
 - APU FUEL SOV.
- (3) On the left power control and distribution box, remove the DO-NOT-CLOSE tag and close the APU GEN START circuit breaker.

TASK 49-81-01-000-802-A

EFFECTIVITY: AIRCRAFT WITH APU EXHAUST SILENCER

4. EXHAUST EXTENSION ASSEMBLY - REMOVAL

A. General

(1) Obey the instructions below to remove the exhaust extension assembly.

B. References

REFERENCE	DESIGNATION
AMM MPP 49-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 53-32-00-000-801-A/400	TAIL CONE - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
313		APU cowling

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the APU work area	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	APU work area

I. Preparation

SUBTASK 841-003-A

EFFECTIVITY: AIRCRAFT WITH APU EXHAUST SILENCER

WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN [AMM MPP 49-00-00/200](#) TO PREVENT INJURY TO THE PERSONS AND DAMAGE TO THE MATERIAL.

- (1) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:
 - APU FUEL SOV.

- (2) On the left power control and distribution box, open the APU GEN START circuit breaker and attach DO-NOT-CLOSE tag to it.
- (3) Remove the APU tail cone ([AMM TASK 53-32-00-000-801-A/400](#)).

J. Removal ([Figure 402](#))

SUBTASK 020-003-A

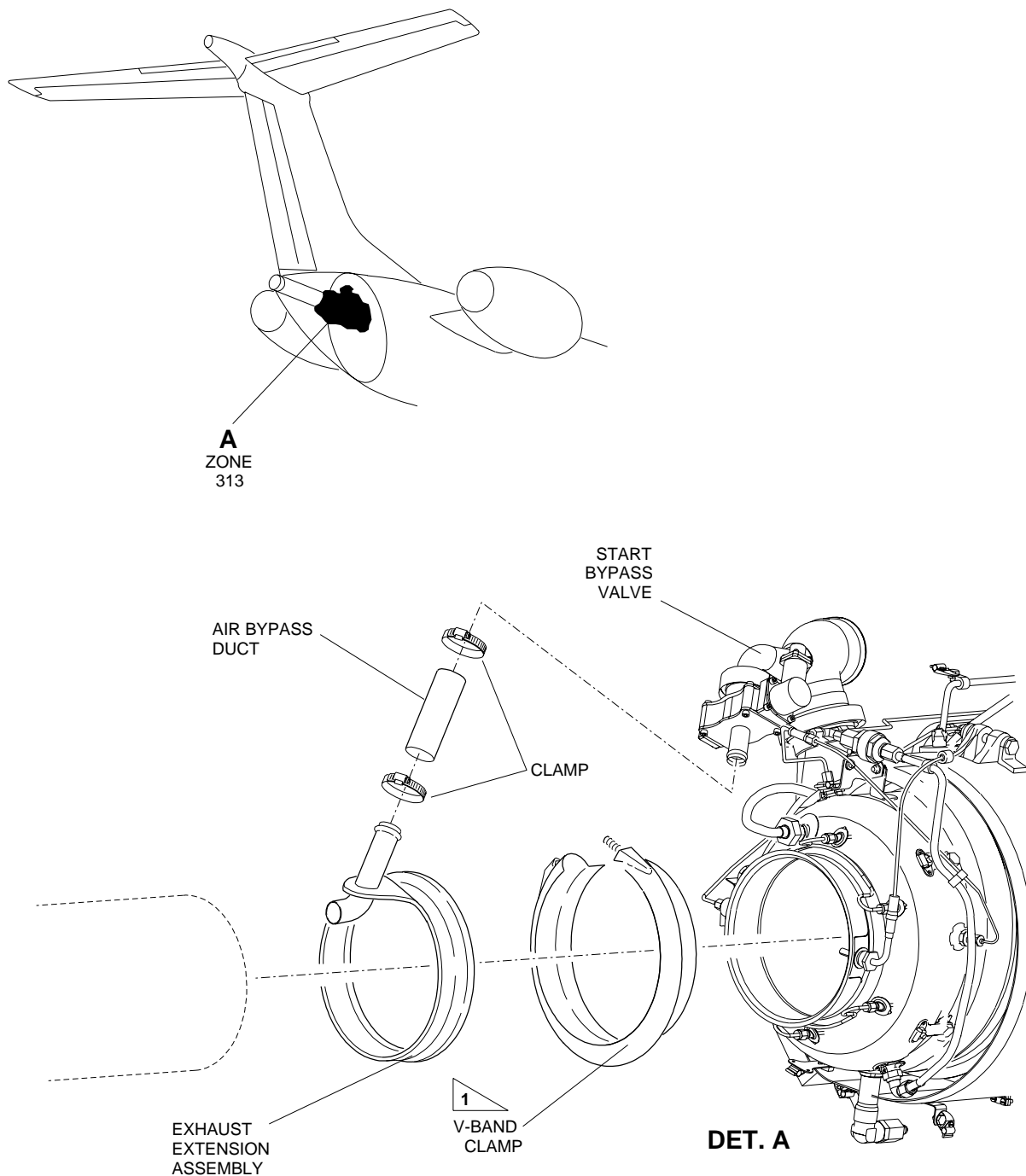
EFFECTIVITY: AIRCRAFT WITH APU EXHAUST SILENCER

- (1) Remove the clamp which attaches the air bypass duct to the exhaust extension assembly.
- (2) Remove the clamp which attaches the start bypass valve to the air bypass duct, if necessary.
- (3) Remove the V-band clamp and remove the exhaust extension assembly.

EFFECTIVITY: AIRCRAFT WITH APU EXHAUST SILENCER

Exhaust Extension Assembly - Removal/Installation

Figure 402



1 TORQUE VALUE: 2.25 TO 2.82 Nm (20 TO 25 lb.in)

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TASK 49-81-01-400-802-A

EFFECTIVITY: AIRCRAFT WITH APU EXHAUST SILENCER

5. EXHAUST EXTENSION ASSEMBLY - INSTALLATION

A. General

(1) Obey the instructions below to install the exhaust extension assembly.

B. References

REFERENCE	DESIGNATION
AMM TASK 53-32-00-400-801-A/400	TAIL CONE - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
313		APU cowling

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque Wrench	To apply the correct torque to the clamp nuts	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the APU work area	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	APU work area

I. Installation (Figure 402)

SUBTASK 420-003-A

EFFECTIVITY: AIRCRAFT WITH APU EXHAUST SILENCER

- (1) Put the exhaust extension assembly in position and install the V-band clamp to the exhaust extension assembly. Refer to Figure 402 for the torque values.
- (2) Install the clamp which attaches the exhaust extension assembly to the air bypass duct.

- (3) Install the clamp which attaches the air bypass duct to the start bypass valve, if applicable.

J. Follow-on

SUBTASK 842-003-A

EFFECTIVITY: AIRCRAFT WITH APU EXHAUST SILENCER

- (1) Install the APU tail cone ([AMM TASK 53-32-00-400-801-A/400](#)).
- (2) On the circuit breaker panel, close these circuit breakers and remove the DO-NOT-CLOSE tags from them:
 - APU FUEL SOV.
- (3) On the left power control and distribution box, remove the DO-NOT-CLOSE tag and close the APU GEN START circuit breaker.

