



AIRCRAFT MAINTENANCE MANUAL

APU AIR INTAKE DUCT - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the APU air intake duct.
- 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
49-16-01-000-801-A	APU AIR INTAKE DUCT - REMOVAL	ALL
49-16-01-400-801-A	APU AIR INTAKE DUCT - INSTALLATION	ALL



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TASK 49-16-01-000-801-A

EFFECTIVITY: ALL

2. APU AIR INTAKE DUCT - REMOVAL

A. General

- (1) Obey these instructions to remove the APU air intake 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
AMM TASK 49-16-03-000-801-A/400	APU AIR-INLET COVER ASSEMBLY - 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 work area	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	APU

I. Preparation

SUBTASK 841-002-A

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 the APU FUEL SOV circuit breaker and attach DO-NOT-CLOSE tag to it.



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- (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](#))

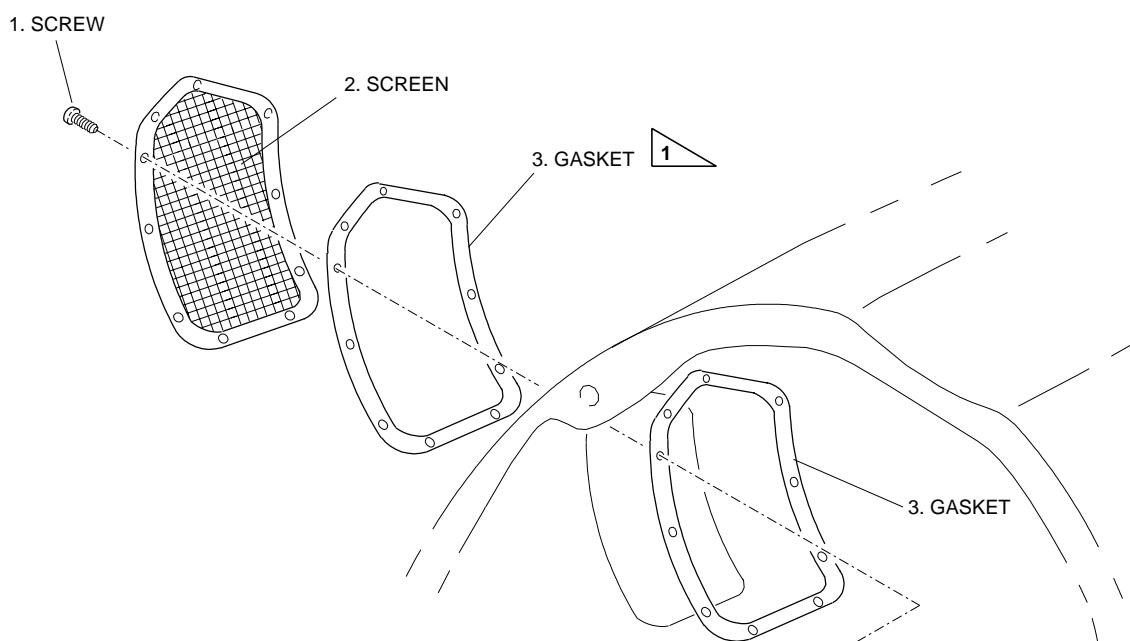
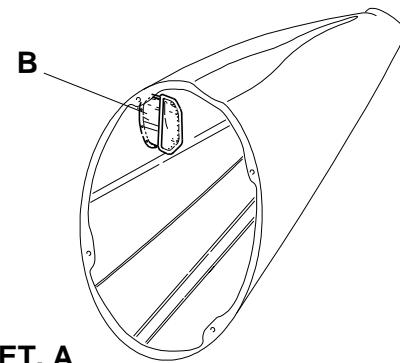
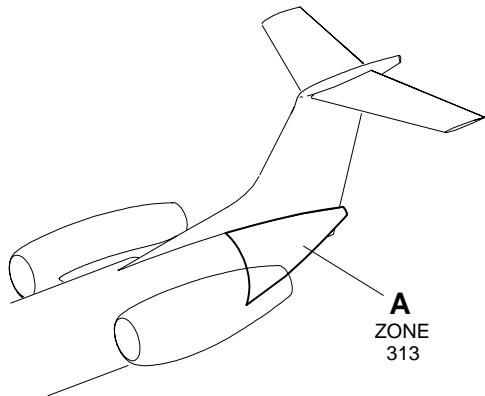
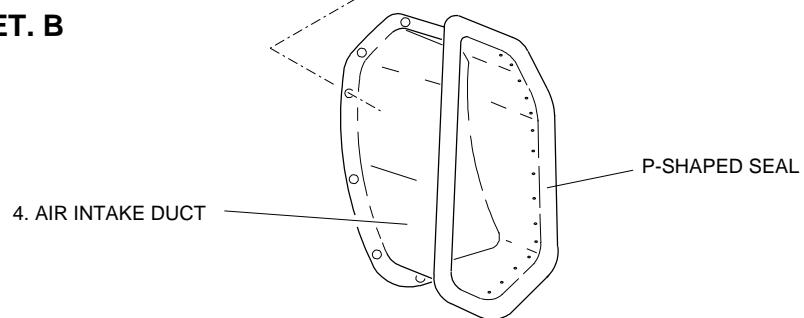
SUBTASK 020-002-A

- (1) Remove the intake duct as follow:
 - (a) Remove the screws (1).
 - (b) Remove the screen (2), gasket (3), and air intake duct (4).
 - (c) Discard the gasket (3).
- (2) For aircraft with APU cowling 145-54858 series, the air intake duct will be removed during the removal of the air inlet cover assembly ([AMM TASK 49-16-03-000-801-A/400](#)).

EFFECTIVITY: ALL

APU Air Intake Duct - Removal/Installation

Figure 401


DET. B


1 POST-MOD SB 145-49-0014

145AMM490026.MCE B



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TASK 49-16-01-400-801-A

EFFECTIVITY: ALL

3. APU AIR INTAKE DUCT - INSTALLATION

A. General

- (1) Obey these instructions to install the APU air intake 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
AMM TASK 49-16-03-400-801-A/400	APU AIR-INLET COVER ASSEMBLY - INSTALLATION
IPC 53-32-00	REAR II

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 work area	1

F. Consumable Materials

Not Applicable

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Gasket	IPC 53-32-00	2

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	APU

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the air intake duct (4), gasket (3), and screen (2) with screws (1). Tighten the screws (1).



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- (2) For aircraft with APU cowling 145-54858 series, the air intake duct will be installed during the installation of the air inlet cover assembly ([AMM TASK 49-16-03-400-801-A/400](#)).

J. Follow-on

SUBTASK 842-002-A

- (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) On the circuit breaker panel, remove the DO-NOT-CLOSE tag and close the APU FUEL SOV circuit breaker.
- (3) On the left power control distribution box, remove the DO-NOT-CLOSE tag and close the APU GEN START circuit breaker.