

## AIR INLET COVER ASSEMBLY - REMOVAL/INSTALLATION

*EFFECTIVITY: FOR AIRCRAFT WITH APU COWLING 145-54858 SERIES*

### 1. General

- A. This section gives the procedures to remove/install the APU air-inlet cover 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
49-16-03-000-801-A	APU AIR-INLET COVER ASSEMBLY - REMOVAL	FOR AIRCRAFT WITH APU COWLING 145-54858 SERIES
49-16-03-400-801-A	APU AIR-INLET COVER ASSEMBLY - INSTALLATION	FOR AIRCRAFT WITH APU COWLING 145-54858 SERIES

TASK 49-16-03-000-801-A

EFFECTIVITY: FOR AIRCRAFT WITH APU COWLING 145-54858 SERIES

## 2. APU AIR-INLET COVER ASSEMBLY - REMOVAL

### A. General

(1) Obey these instructions to remove the APU air-inlet assembly.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM MPP 49-00-00/200</a>	- MAINTENANCE PRACTICES
SRM 51-20-01	-

### 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 PERSONS AND DAMAGE TO MATERIAL.**

- (1) On the circuit breaker panel, open the APU FUEL SOV circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) On the left power control and distribution box, open the APU GEN START circuit breaker and attach a DO-NOT-CLOSE tag to it.

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

*SUBTASK 020-002-A*

NOTE: • Identify the different sizes of the screws (1). This will make the air-inlet cover assembly installation procedure easier and help you install it correctly. Refer to DET. B of [Figure 401](#).

- Do not loose the screws (5) before you remove the cover assembly (2). Loose these screws only if you have to remove the intake duct (3) or inlet silencer (4). Refer to DET. C of [Figure 401](#).

- (1) Remove the screws (1) that attach the assembly to the APU cowling.
- (2) Remove the air-inlet cover assembly (2). The intake duct (3), or the inlet silencer (4), is attached to the cover assembly.
- (3) Make sure that the interface sealant (between the cover assembly and the APU cowling) is not damaged. If necessary, apply sealant again (SRM 51-20-01).
- (4) To remove the intake duct (3), or inlet silencer (4), from the cover, remove the screws (5).



## Figure 401



145AMM490300.MCE A

TASK 49-16-03-400-801-A

EFFECTIVITY: FOR AIRCRAFT WITH APU COWLING 145-54858 SERIES

### 3. APU AIR-INLET COVER ASSEMBLY - INSTALLATION

#### A. General

- (1) Obey these instructions to install the APU air-inlet cover assembly.

#### B. References

REFERENCE	DESIGNATION
AMM TASK 49-16-02-200-802-A/600	AIR-INLET SEAL/AIR-INLET DUCT INTERFACE CLEARANCE/MISALIGNMENT- INSPECTION

#### 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. Installation (Figure 401)

##### SUBTASK 420-002-A

- (1) If the intake duct (3), or the inlet silencer (4), was removed from the cover, put it in position and install the screws (5). Refer to DET. C of (Figure 401).
- (2) **NOTE:** Make sure that you use the correct size of the screws (1) to install the air-inlet cover assembly.

Put the cover assembly (2) in its position, in the APU cowling, and install the screws (1). Refer to DET. B of (Figure 401).

- (3) Do a visual inspection on the air-inlet seal/air-inlet duct interface for clearance ( [AMM TASK 49-16-02-200-802-A/600](#)).

J. Follow-on

*SUBTASK 842-002-A*

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