

## APU AIR INLET SILENCER - REPAIR

*EFFECTIVITY: AIRCRAFT WITH AIR INLET SILENCER*

### 1. General

- A. This section gives the procedures to do the on-wing repair of the APU air-inlet silencer.
- 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
49-16-04-300-801-A	APU AIR-INLET SILENCER - REPAIR	AIRCRAFT WITH AIR INLET SILENCER

TASK 49-16-04-300-801-A

*EFFECTIVITY: AIRCRAFT WITH AIR INLET SILENCER*

2. APU AIR-INLET SILENCER - REPAIR

A. General

(1) Obey the instructions below to repair the APU air-inlet silencer.

B. References

REFERENCE	DESIGNATION
AMM MPP 49-00-00/200	- MAINTENANCE PRACTICES
AMM MPP 49-02-00/200	- MAINTENANCE PRACTICES
AMM TASK 49-11-00-000-801-A/400	APU COWLING - REMOVAL
AMM TASK 49-11-00-400-801-A/400	APU COWLING - INSTALLATION
AMM TASK 49-15-00-000-801-A/400	APU COWLING - REMOVAL
AMM TASK 49-15-00-400-801-A/400	APU COWLING - INSTALLATION
Hamilton Sundstrand CMM 49-50-01	-

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	Ladder	To get access to the work area	1
Commercially available	Plastic and/or stainless steel wire brush	To clean the silencer	1

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
G.E. RTV 5249 Adhesive	Adhesive	AR
O-M-232	Methyl alcohol	AR

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](#)) OR ( [AMM MPP 49-02-00/200](#)) 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. Repair

*SUBTASK 340-002-A*

**NOTE:** This repair is temporary and the air-inlet silencer must be repaired per in-shop or in-field repair procedure (refer to the Hamilton Sundstrand CMM 49-50-01) at the next scheduled maintenance interval.

- (1) Clean all soot and dust with a plastic and/or stainless steel wire brush.
- (2) Remove the cracked adhesive.
- (3) Brush the area to remove the remaining adhesive and clean with methyl alcohol.
- (4) Apply G.E. RTV 5249 adhesive to areas needing repair and blend.
- (5) Allow the adhesive to cure at room temperature for 1-2 hour to obtain sufficient hardness/consistency. Full curing is provided after 24 hours.

K. 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) 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.

