

## AIRCRAFT MAINTENANCE MANUAL

### FUEL PUMP FAILURE - INSPECTION/CHECK

EFFECTIVITY: AIRCRAFT WITH APU T-62T-40C14

#### 1. General

- A. If one of these events occurs, the APU fuel filter will be open to an out-of-the-range pressure, and damage can occur to it.
  - Failure in one of the pumps of wing fuel tank 2 (E2 LOW PRESS and APU LOW PRESS messages on the EICAS), with the APU in operation, in flight.
  - Failure in one of the pumps of wing fuel tank 1 (E1/E2 LOW PRESS and APU LOW PRESS messages in the EICAS), with the crossfeed valve open, and the APU in operation, in flight.
- B. When one of these events above occurs, the inspection that follows must be done (the crew must report these events to the maintenance staff).
- C. When a pump failure happens, besides this inspection it must be done the troubleshooting.
- D. 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
05-50-19-960-801-A	APU FUEL INLET FILTER - INSPECTION	AIRCRAFT WITH APU T-62T-40C14



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 05-50-19-960-801-A

EFFECTIVITY: AIRCRAFT WITH APU T-62T-40C14

2. APU FUEL INLET FILTER - INSPECTION

A. General

- (1) The fuel inlet filter is installed on a bracket on the left side of the gearbox assembly.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 49-13-00-910-802-A/200	APU - START

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
313	313CL	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 841-002-A

**WARNING: MAKE SURE THAT THE APU CONTROL MASTER SWITCH IS IN THE "OFF" POSITION TO PREVENT AN APU ACCIDENTAL OPERATION.**

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



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- (2) Remove the APU cowling access panel 313CL (AMM MPP 06-42-00/100) to get access to the APU fuel inlet filter.
- (3) Remove the fuel inlet filter. Refer to the latest revision of Hamilton Sundstrand engine manual T-62T-40C14 (P/N 4504112), 49-31-08.

### J. Inspect Fuel Filter Element and Filter Assembly ([Figure 601](#))

#### SUBTASK 960-002-A

- (1) Inspect the fuel filter element for absence of holes, tears, defects in the mesh or cracks in the metallic parts.
- (2) Inspect the fuel filter assembly for absence of leakage and general condition.

### K. Follow-on

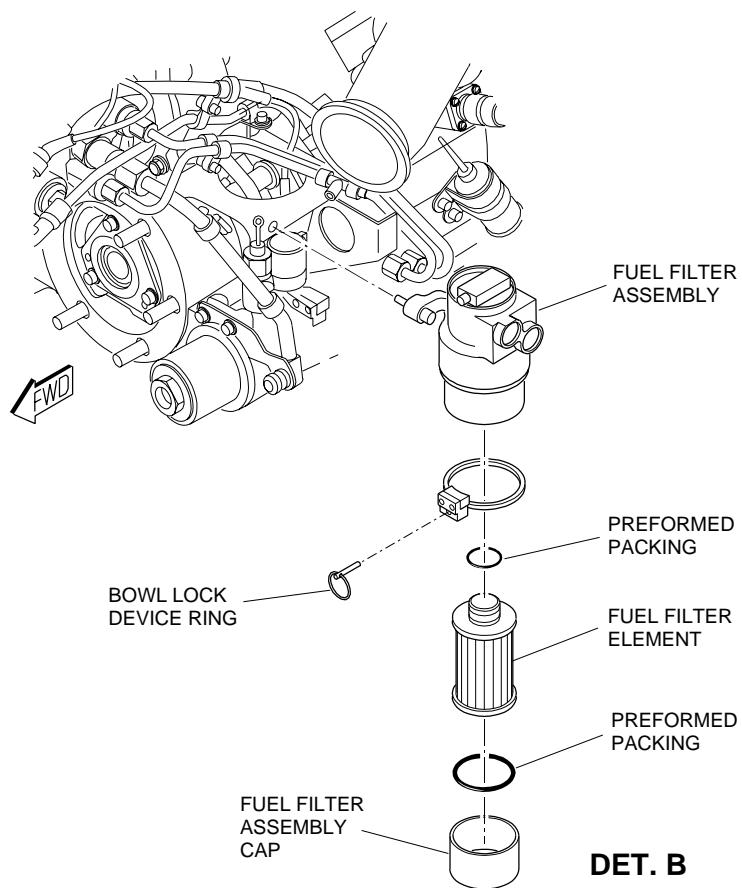
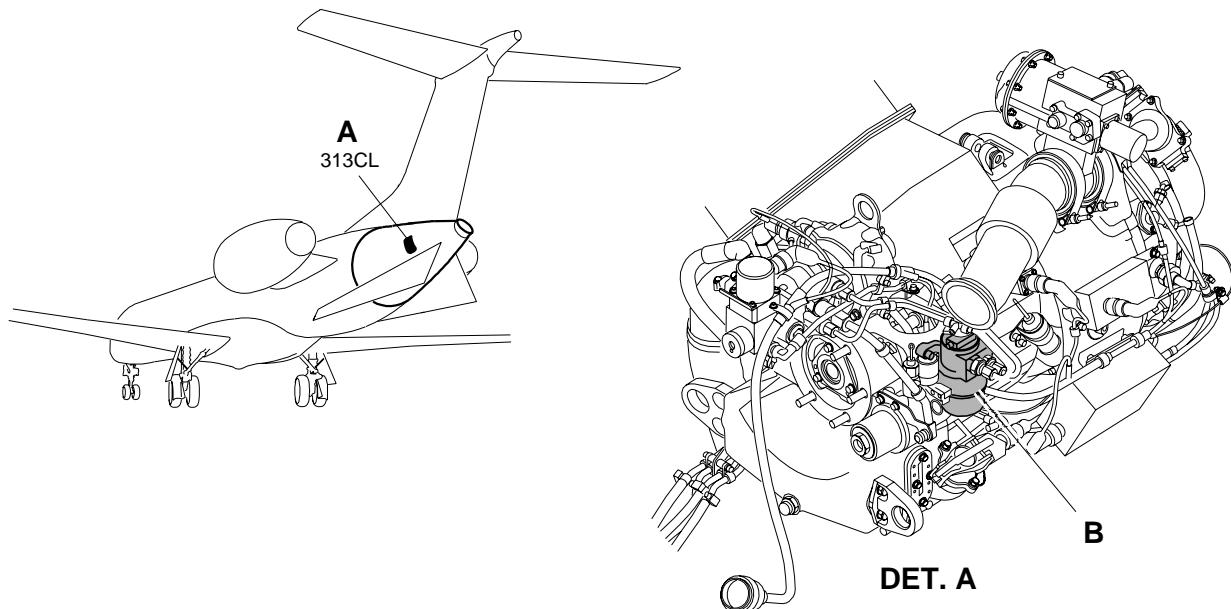
#### SUBTASK 842-002-A

- (1) Reinstall the fuel inlet filter. Refer to the latest revision of Hamilton Sundstrand engine manual T-62T-40C14 (P/N 4504112), 49-31-08.
- (2) Remove the DO-NOT-CLOSE tags and close these circuit breakers.
  - APU CONTROL.
  - APU FUEL SOV.
- (3) Operate the APU ([AMM TASK 49-13-00-910-802-A/200](#)) and examine the fuel lines and connections for leaks. Repair as necessary.
- (4) Install the APU cowling access panel 313CL (AMM MPP 06-42-00/100).

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APU Fuel Filter Inspection - Component Location

Figure 601



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