

FUEL PUMP FAILURE - INSPECTION/CHECK

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

1. General

- A. If one of these events, 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

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

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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.

- (2) Remove the APU cowl 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

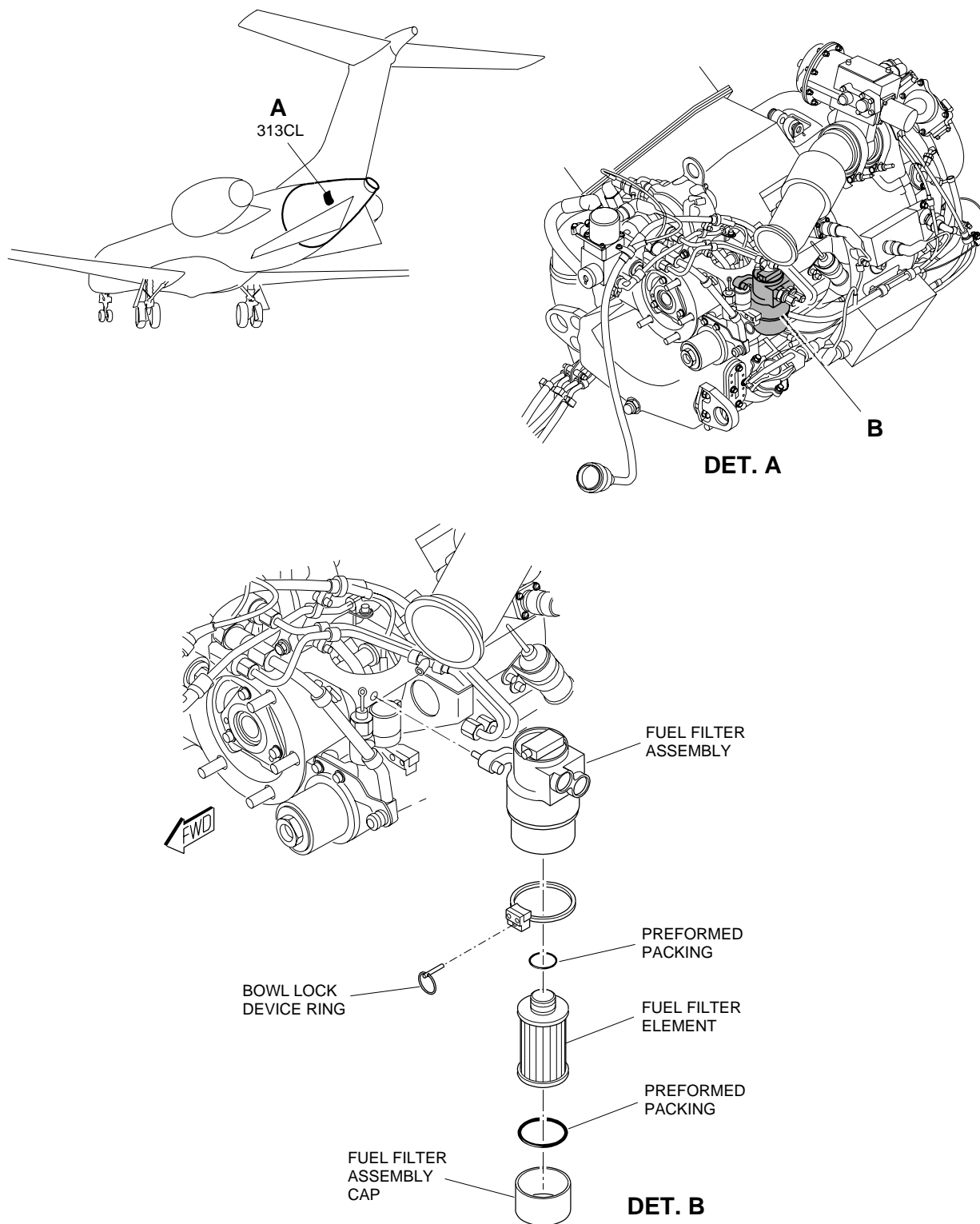
SUBTASK 842-002-A

- (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 cowl 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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