



## AIRCRAFT MAINTENANCE MANUAL

### APU FADEC - MAINTENANCE PRACTICES

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

#### 1. General

- A. This section gives the procedures to read the data of the APU - FADEC BITE Display and APU - FADEC serial port.
- 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
49-64-03-970-801-A	APU FADEC - DATA READOUT	AIRCRAFT WITH APU T-62T-40C14



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 49-64-03-970-801-A

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

2. APU FADEC - DATA READOUT

A. General

- (1) Obey these instructions to read the data of the APU FADEC.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 49-02-00/200	- MAINTENANCE PRACTICES
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272DR	Rear electronic compartment

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 130	Laptop Computer	Downloading	
GSE 334	Download Harness	Connect the PC to the maintenance panel	
GSE 536	FADEC Download Cable	Connect the PC to the maintenance panel	
GSE 329	Smart Terminal Software	To read the FADEC data	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to the rear electronic compartment	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit/Rear electronic compartment



I. Preparation

SUBTASK 841-002-A

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 49-02-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO THE MATERIAL.**

- (1) Energize the aircraft with the External DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)), as applicable.
- (2) Put the ladder in position, and open rear electronic compartment access door 272DR (AMM MPP 06-41-01/100).

J. Data readout from APU FADEC

SUBTASK 970-002-A

- (1) To get a readout from the APU FADEC BITE display, do as follows:
  - (a) Set the APU switch to the ON position to power the FADEC on.
  - (b) Read the data on the APU - FADEC BITE display ([Figure 201](#)).

NOTE: The FADEC display will scroll through the APU serial number, hours, cycles, and possible fault messages.
- (2) To get a readout from the FADEC serial Port, do as follows:
  - (a) Refer to the latest revision of Hamilton Sundstrand engine manual T-62T-40C14 (P/N 4504112), 49-00-00, engine fault isolation.

K. Follow-on

SUBTASK 842-002-A

- (1) Close rear electronic compartment access door 272DR (AMM MPP 06-41-01/100), and remove the ladder.

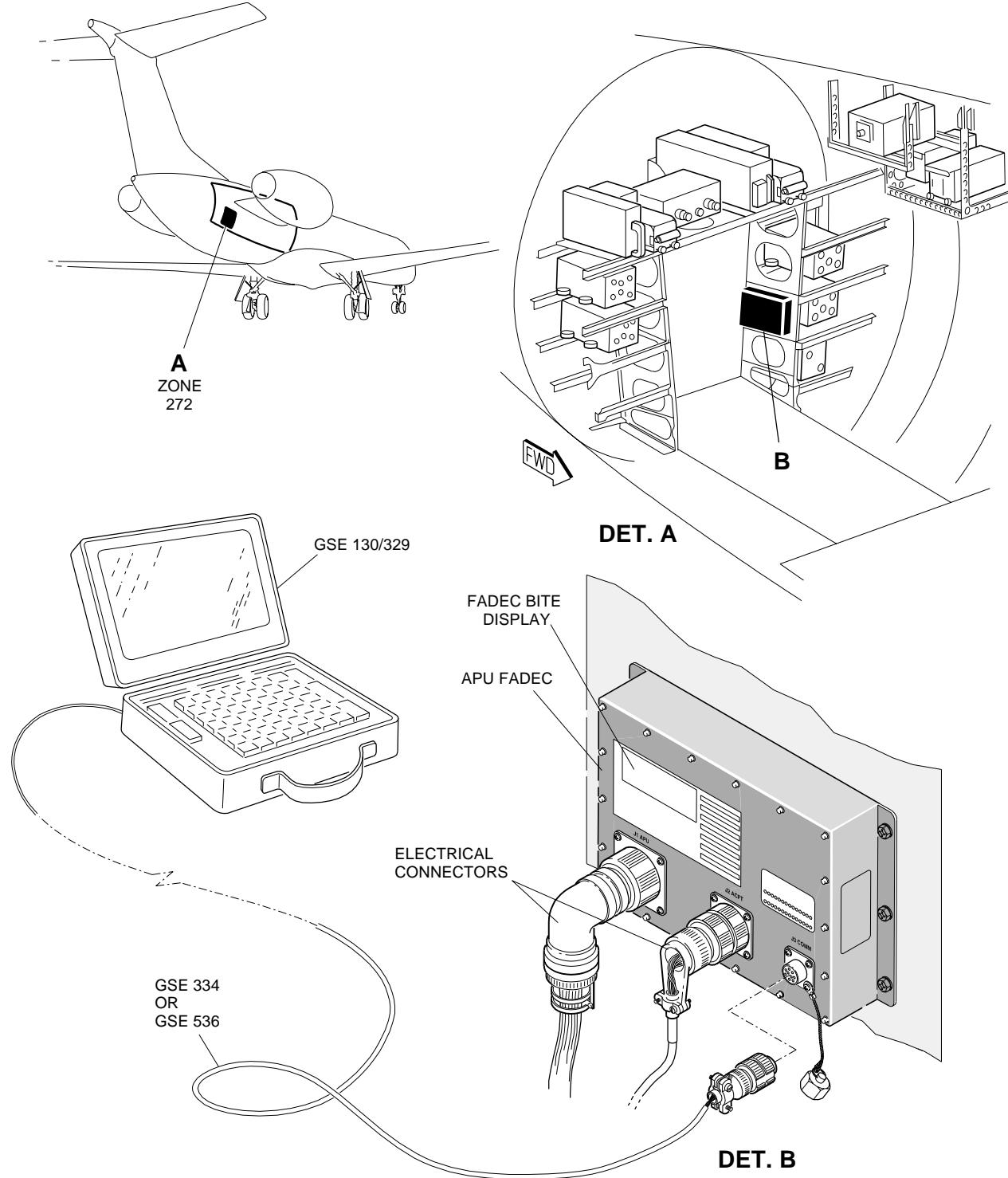
CAUTION: BEFORE YOU REMOVE THE EXTERNAL DC POWER SUPPLY, MAKE SURE THAT THE GPU PUSH-BUTTON IS SET TO THE OFF POSITION (RELEASED).

- (2) If the GPU was used to energize the aircraft, deenergize it ([AMM TASK 20-40-01-860-801-A/200](#)), as applicable.

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APU - FADEC Location

Figure 201



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