ADF - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

   A. This section gives the procedures to do the test of the ADF System.

   B. The ADF module is part of the Integrated Navigation Unit.

   C. 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*
34-53-00-700-801-A	ADF SYSTEM OPERATIONAL TEST	ALL

TASK 34-53-00-700-801-A
EFFECTIVITY: ALL

2. ADF SYSTEM OPERATIONAL TEST

A. General

(1) This task gives the procedures to do the Operational Test of the ADF System.

B. References

REFERENCE	*DESIGNATION*
AMM SDS 23-51-00/1	
AMM SDS 23-81-00/1	
AMM SDS 31-51-00/1	
AMM SDS 34-22-00/1	
AMM SDS 34-32-00/1	
AMM SDS 34-53-00/1	
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	*FUNCTION*	*PLACE*
1	Does the task	Cockpit

I. Preparation

SUBTASK 841-002-A

(1) Energize the aircraft with the External DC-Power Supply (AMM TASK 20-40-01-860-801-A/200).

(2) Make sure that the Systems below are serviceable and on:

– Airborne Audio System (AMM SDS 23-51-00/1).

– Radio Management System (AMM SDS 23-81-00/1).

– Aural Warning System (AMM SDS 31-51-00/1).

– EFIS (AMM SDS 34-22-00/1).

– VOR/ILS/GS/MB (AMM SDS 34-32-00/1).

– ADF System (AMM SDS 34-53-00/1).

J. ADF System - Check Procedures (Figure 501)

SUBTASK 710-002-A

(1) Set the cursor of RMU1 to the ADF1 window.

(2) Do the test of the frequency selection, as shown below:

(a) Put the cursor on the select frequency code.

(b) Turn the dual concentric knobs.

Result:

1 A frequency code can be set.

(3) Do the self-test below:

(a) Set the RMU to the ADF1 window.

(b) Push and hold the RMU TST function key.

Result:

1 On the RMU, the ADF1 window shows:

- TEST and ADF TEST (amber).
- TEST (amber) and ADF PASS (green), at the end of the test cycle.

NOTE: An ADF ERR (red) is the indication that the set ADF is defective.

(4) Do the ADF test below:

(a) Set RMU1 to the ADF1 window.

(b) Tune in an ADF station.

Result:

1 Make sure that the sensitivity and bearing are correct.

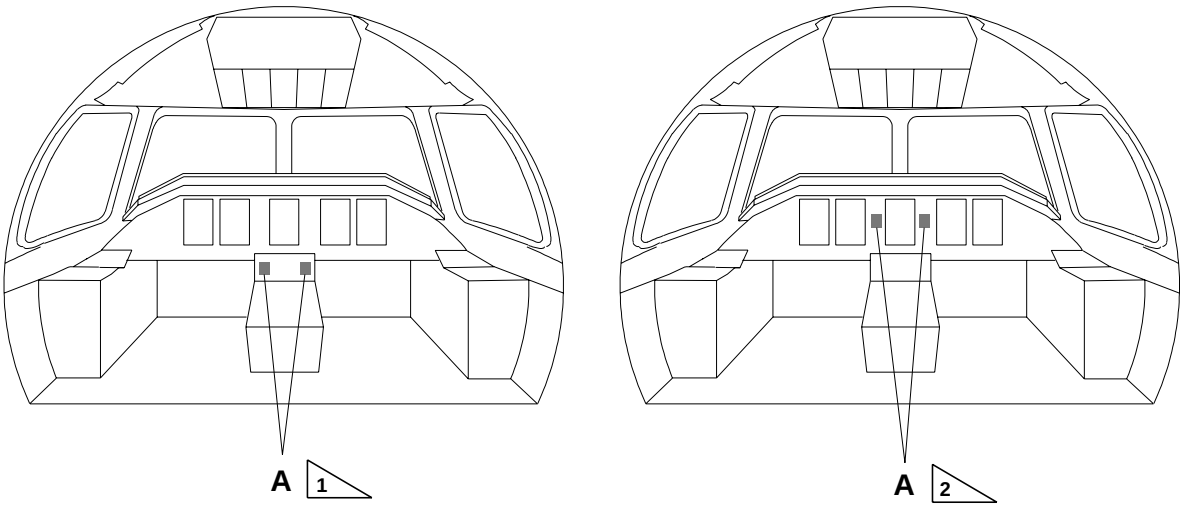
(5) Do steps (1), (2), (3), and (4) above again for ADF2, on RMU 2.

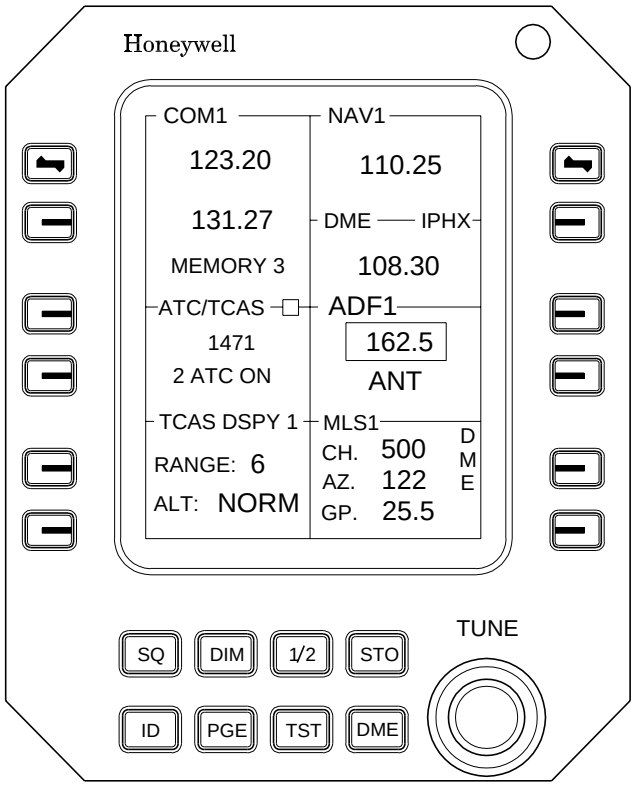
K. Follow-on

SUBTASK 842-002-A

(1) Deenergize the aircraft (AMM TASK 20-40-01-860-801-A/200).

EFFECTIVITY: ALL
RMU - ADF Window
Figure 501





DET. A

1 AIRCRAFT WITH RMU INSTALLED ON CONTROL PEDESTAL.

2 AIRCRAFT WITH RMU INSTALLED ON MAIN INSTRUMENT PANEL.

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