



AIRCRAFT MAINTENANCE MANUAL

SATCOM SYSTEM - ADJUSTMENT/TEST

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

- A. This section gives the procedures to do the operational test of the SATCOM System.
- 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
23-15-00-700-801-A	IRIDIUM TELEPHONE SYSTEM - OPERATIONAL TEST	FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM



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TASK 23-15-00-700-801-A

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

2. IRIDIUM TELEPHONE SYSTEM - OPERATIONAL TEST

A. General

- (1) This task gives the procedures to do the test of the Iridium Telephone System.
- (2) Handset and Cradle 1 is installed on the Lavatory Wall.
- (3) Handset and Cradle 2 is installed on the LH Galley.
- (4) Handset and Cradle 3 is installed on the RH Windscreen.
- (5) Handset and Cradle 4 is installed on the Cockpit/Passenger Cabin Partition.

B. References

REFERENCE	DESIGNATION
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
262		Lavatory Wall
231		LH Galley
232		RH Windscreen
223		Cockpit/Passenger Cabin Partition

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 or Passenger cabin



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I. Preparation

SUBTASK 841-008-A

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

- (1) Energize the aircraft with the External DC-Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) On the Circuit Breaker Panel (Location tip: SHED DC BUS 2), make sure that these circuit breakers are closed:
 - Transceiver 1.
 - Transceiver 2.
 - IFE.

J. Test Procedure ([Figure 501](#))

SUBTASK 710-008-A

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

- (1) Do the Iridium Telephone System test as follows:

NOTE: The Iridium phone number is factory preprogrammed. If necessary, speak to Aircell Customer Service at 1-888-286-9876.

- (a) On the overhead panel, at the IFE/PC power control panel, push the IFE button to turn the system ON.
- (b) Lift the handset and make sure that the display comes on.
- (c) During initial power-up, a small dot "." is shown in the lower left corner of the display.

NOTE: The dot "." will stay in view until the phone has power.

- (d) The display will show the "IRIDIUM" message.

NOTE: During this time, the word "NOSVC" will briefly come into view at the bottom center of the display. You cannot make a call until the "NOSVC" message goes out of view.

- (e) To make a call, enter the number (00+COUNTRYCODE+NUMBER) and push the SND key.
- (f) Make sure that "IN USE" message is shown at the bottom left of the display.
- (g) Push the Δ or ∇ key to adjust the volume on the earpiece.
- (h) Make sure that the transmission is good.
- (i) Push the END key at the end of the call.



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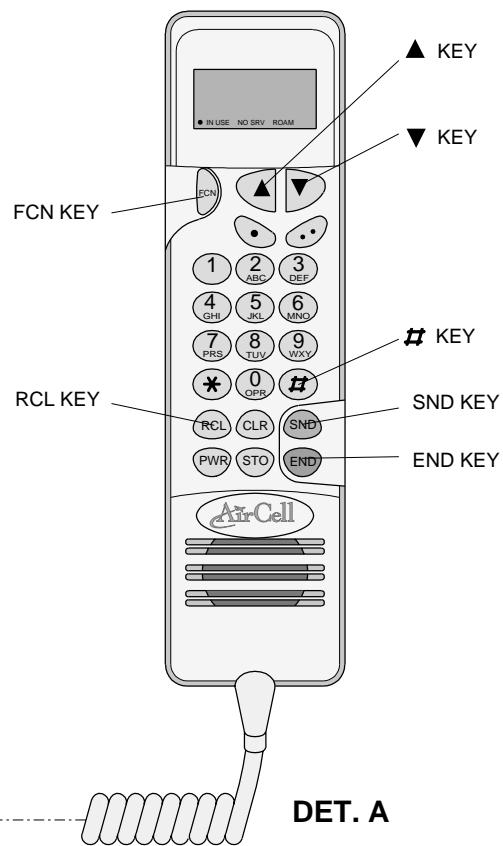
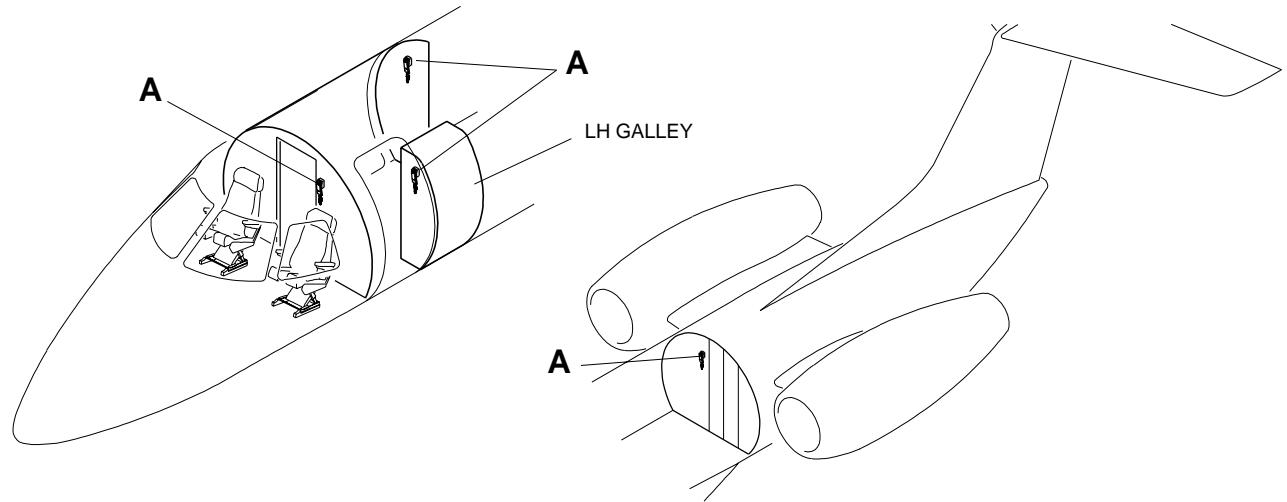
K. Follow-on

SUBTASK 842-008-A

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM

- (1) On the overhead panel, at the IFE/PC power control panel, push the IFE button to turn the system OFF.
- (2) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

EFFECTIVITY: FOR AIRCRAFT WITH IRIDIUM-SATELLITE COMMUNICATIONS SYSTEM
Iridium Telephone System - Operational Test
Figure 501



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