

## ACARS - ADJUSTMENT/TEST

### EFFECTIVITY: AIRCRAFT WITH ACARS

#### 1. General

- A. This section gives the procedures to do the ACARS functional test.
- B. The ACARS functional test can be accomplished in two different ways:
  - With a Portable ACARS Test Station (PATS) ( [AMM TASK 23-22-00-700-801-A/500](#)).
  - With the help of an ACARS Ground Station ( [AMM TASK 23-22-00-700-802-A/500](#)).
- C. The ACARS (Aircraft Communication Addressing and Reporting System) gives a two-way data link for air-to-ground communication which permits the airlines to connect their fleet with a ground-based service provider to exchange data such as pre-departured clearance, flight plans, weather information, messaging, times of arrival and departure, and other operational flight data.
- D. The ACARS installed is the UniLink UL-600 and use VHF 3 as the communication media between aircraft and ground stations. The system operates with the DUAL FMS and the pilot interface is accomplished to the FMS Control and Display Unit (CDU) (Figure 501).
- E. 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
<a href="#">23-22-00-700-801-A</a>	ACARS - FUNCTIONAL TEST WITH A PORTABLE ACARS TEST STATION(PATS)	AIRCRAFT WITH ACARS
<a href="#">23-22-00-700-802-A</a>	ACARS - FUNCTIONAL TEST WITH AN ACARS GROUND STATION	AIRCRAFT WITH ACARS



**TASK 23-22-00-700-801-A**

**EFFECTIVITY: AIRCRAFT WITH ACARS**

**2. ACARS - FUNCTIONAL TEST WITH A PORTABLE ACARS TEST STATION(PATS)**

**A. General**

- (1) This task gives the procedures to do the ACARS functional test with a Portable ACARS Test Station (PATS).
- (2) The Portable Acars Test Station (PATS) is used to simulate an ACARS ground station, which permits a message to be sent from the PATS to the aircraft and from the aircraft to the PATS.

**B. References**

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 20-40-01-860-801-A/200</a>	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE

**C. Zones and Accesses**

ZONE	PANEL/DOOR	LOCATION
223		Cockpit

**D. Tools and Equipment**

ITEM	DESCRIPTION	PURPOSE	QTY
<a href="#">GSE 264</a>	PATS - Portable Acars Test Station	To do the ACARS test	
<a href="#">GSE 040</a>	Wattmeter-RF Thruline	To do a check for VHF TX occurrence	
<a href="#">GSE 042</a>	Element Plug-in	Used with GSE 040	

**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
1	Helps the other technician	Ground



I. Preparation (Figure 503)

*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 landing gear safety pins are installed.
- (3) On the circuit breaker panel, open the VHF 3 circuit breaker (Location Tip: DC BUS 1/ COMM/VHF 3).
- (4) Open the 113CZ access door (AMM MPP 06-41-01/100).
- (5) Disconnect the connector 1P0760 from the connector J0760, or the connector 1P3081 from the connector J3081, as applicable
- (6) Connect the wattmeter between the 1P0760 and J0760 connectors, or between the 1P3081 and J3081 connectors, installed on the front pressure bulkhead, as applicable. To do this, use appropriate adapters.
- (7) On the circuit breaker panel, close the VHF 3 circuit breaker.
- (8) Close all FMS 1 circuit breakers (Location Tip: DC BUS 1/NAV/FMS) or all FMS 2 circuit breakers (Location Tip: DC BUS 2/ NAV/FMS).

NOTE: Only one of the CDUs must be used to do the ACARS operation.

- (9) On the circuit breaker panel, make sure that these circuit breakers are closed:
  - ACARS (Location Tip: DC BUS 1/COMM/ACARS).
  - ACARS PTR (Location Tip: 115 V AC/ACARS PTR).
  - MAIN DOOR 1 (Location Tip: DC BUS 1/MISCELLANEOUS/MAIN DOOR 1) or MAIN DOOR 2 (Location Tip: HOT BUS 2/MAIN DOOR 2).
  - EMER/PRKG (Location Tip: DC BUS 1/LDG GEAR/BRAKES/EMERG/PRKG).
- (10) Make sure that the Emergency Parking Brake system operates and is with hydraulic power.
- (11) Make sure that there is no obstacle between the aircraft and the PATS.
- (12) Make sure that the aircraft is in the PATS range.

J. Functional Test Procedures (Figure 501) (Figure 502)

*SUBTASK 720-002-A*

- (1) Make sure that the main door is open.
- (2) Make sure that the parking brake is on.
- (3) On the PATS, do as follows:
  - (a) Install the 50-ohm coaxial load to the PATS.
  - (b) Set the SYSTEM PWR switch to ON to energize the PATS.



**NOTE:** If the PATS is supplied by its battery, the SYSTEM PWR switch must be set to OFF.

- (c) On the control panel, set these switches as follows:
- SPEAKER SWITCH: OFF.
  - RADIO PWR SWITCH: NORMAL.
  - ACARS/AUX SWITCH: ACARS.
- (d) Turn the PC laptop on.  
Result:  
1 The system initializes and the PC-ACARS INSTALLATION MENU is shown.  
2 The RADIO PWR LED comes on.
- (e) Select INSTALL PC-ACARS STD DRIVERS and push ENTER.  
Result:  
1 A self-test starts.
- (f) Select PC-ACARS MAIN DISPLAY and push ENTER.  
Result:  
1 The PC-ACARS MAIN MENU screen is shown on the laptop display.
- (g) On the laptop keyboard, push the F1 key to select the DISPLAY TRAFFIC feature.  
Result:  
1 The ALL TRAFFIC page is shown on the laptop display.
- (h) On the laptop keyboard, push the F10 key to select the POP DOWN MENU.  
Result:  
1 The POP DOWN MENU is selected.
- (i) On the laptop keyboard, push the S key to access the STATION CONTROL MENU.  
Result:  
1 The STATION CONTROL MENU is shown on the laptop display.
- (j) Make sure that the fields on the STATION CONTROL MENU are configured as follows:
- A/C REG: (aircraft registration number).
  - AUTO ACK: ON.
  - STATION: GND.
  - PREKEY: 140.
  - RGS CODE SET: 2.
  - USING: 2.
  - BELL STRING: JUNKIT.
  - BELL: ON.



- MODEM TEST: PASS.

NOTE: It is not necessary to configure the other fields.

(k) Select VALIDATE NEW CONFIGURATION and push ENTER.

(l) On the laptop keyboard, push the F2 key to select the FORMATTED TRAFFIC feature.

Result:

1 The FORMATTED TRAFFIC screen is shown.

(m) Turn the radio on.

(n) Adjust the radio as follows:

- Set a frequency of 131.725 MHz.
- Set the volume button to the 3-o'clock position.
- Turn the squelch button until the radio display shows the "RX" annunciator and then turn the squelch button a little back until the "RX" annunciator goes off.

(4) In the cockpit, do as follows:

(a) On the CDU, push the PWR DIM function key.

Result:

1 The CDU turns on and the Power On Self-Test occurs.

(b) On the CDU, push the 5L line select key to set ACCEPT.

Result:

1 The field ACCEPT goes out of view.

(c) Push the DATA function key.

Result:

1 The DATA 1/4 page is shown on the CDU display.

(d) Push the 3R line select key to set UNILINK.

Result:

1 The UNILINK MAIN MENU 1/2 page is shown on the CDU display.

(e) Push the NEXT function key.

Result:

1 The UNILINK MAIN MENU 2/2 page is shown on the CDU display.

(f) Push the 4L line select key to set MAINT.

Result:

1 The UNILINK MAINTENANCE page is shown on the CDU display.

(g) Push the 1L line select key to set CONFIG.

Result:

1 The UNILINK CONFIG 1/2 page is shown on the CDU display.

(h) Push the 1R line select key.

Result:

1 The 1R field highlights.



- (i) With the CDU alphanumeric keyboard, enter with code "456789".  
Result:  
1 Code "456789" is shown on the 1R field.
- (j) Push the ENTER key.  
Result:  
1 The word EDIT is shown in the 1R field.
- (k) Push the 1R line select key to set EDIT.  
Result:  
1 The word EDIT changes to STORE.
- (l) Push the 1L line select key to set SYSTEM.  
Result:  
1 The SYSTEM CONFIG 1/2 page is shown on the CDU display.
- (m) Push the 1L line select key to set AIRCRAFT.  
Result:  
1 The page AIRCRAFT CONFIG is shown on the CDU display.
- (n) Make sure that the aircraft registration number is correct. If it is not, enter with the correct registration number.  
  
NOTE: The registration number of the CDU and the PATS must be the same.
- (o) Push the DATA function key.  
Result:  
1 The DATA 1/4 page is shown on the CDU display.
- (p) Push the 3R line select key to set the UNILINK MENU.  
Result:  
1 The UNILINK MAIN MENU 1/2 is shown on the CDU display.
- (q) Push the 5L line select key to set INIT.  
Result:  
1 The UNILINK PREFLIGHT page comes into view on the CDU display.
- (r) Push the 1L line select key to set the "ORIG" field.  
Result:  
1 The ORIG field highlights.
- (s) With the CDU alphanumeric keyboard, enter with the "AAA" data.  
Result:  
1 The "AAA" data is shown on the ORIG field.
- (t) On the alphanumeric keyboard, push the ENTER key.
- (u) Push the 2L select key to set the FLT NO field.  
Result:  
1 The FLT NO field highlights.
- (v) With the CDU alphanumeric keyboard, enter with the "0001" data.  
Result:  
1 The "0001" data is shown on the FLT NO field.



- (w) Push 1R line select key to set the DEST field.  
Result:
  - 1 The "DEST" field highlights.
- (x) With the CDU alphanumeric keyboard, enter with the "BBB" data.  
Result:
  - 1 The "BBB" data is shown on the DEST field.
- (y) On the alphanumeric keyboard, push the ENTER key.
- (z) Push the 5R line select key to set RETURN.  
Result:
  - 1 The UNILINK MAIN MENU 1/2 is shown on the CDU display.
- (aa) Push the NEXT function key.  
Result:
  - 1 The UNILINK MAIN MENU 2/2 is shown on the CDU display.
- (ab) Push the 3L select key to set COMM CONTROL.  
Result:
  - 1 The UNILINK COMM CONTROL page is shown on the CDU display.
- (ac) Push the 2L select key to set VHF DATA.  
Result:
  - 1 The UNILINK VHF DATA page is shown on the CDU display.
- (ad) Push the 4R select key to set FREQ.  
Result:
  - 1 The UNILINK FREQUENCIES page is shown on the CDU display.
  - 2 The advisory field shows the NOCOMM message. It is an indication that there is no communication between the aircraft and the PATS.
- (ae) Select the frequency of 131.725 MHz.  
Result:
  - 1 The indication SEL goes beside the 131.725 MHz frequency.
  - 2 The UNILINK sends a signal to the PATS for the test of the communication link.
  - 3 The wattmeter shows a short transmission.
  - 4 On the CDU, the NOCOMM message goes off. It is an indication that the link was recognized.
  - 5 On the PATS, on the laptop, an amber SA message comes into view in the LABEL column.
- (5) For a check of the message sent from the PATS to the aircraft (uplink message), do as follows:
  - (a) On the laptop keyboard, push the F10 key to select the POP DOWN MENU.  
Result:
    - 1 The POP DOWN MENU is selected.
  - (b) On the laptop keyboard, push the E key to access the SEND MESSAGE menu.



Result:

- 1 The SEND MESSAGE menu is shown on the laptop display.

- (c) Select UPLINK ANY LABEL MSG and push ENTER.

Result:

- 1 The PC-ACARS UPLINK MESSAGE EDITOR window is shown on the laptop display.

NOTE: Use the TAB key to move through the fields and the ENTER key to accept the values in the fields.

- (d) Set the fields of the PC-ACARS UPLINK MESSAGE EDITOR window as follows:

- TO A/C: (set the aircraft registration number)
- LABEL: 40

NOTE: The field "TEXT FILE" must contain the path/filename where the message will be stored.

- (e) Push the ENTER key to accept the data.

- (f) Push the F5 key (EDIT TEXT) to edit the text.

- (g) Enter with these data:

NOTE: The registration number of the CDU and the PATS must be the same.

- aircraft registration number
- date (MM.DD.YY)
- hour (HH:MM)

- (h) Push the ESC key to return the PC-ACARS MESSAGE EDITOR window.

- (i) Push the F2 (SEND, SAVE, EXIT) to send the message to the aircraft.

- (j) On the CDU, the NEW MSG annunciator comes on.

- (k) Push the 5L line select key to access the message.

- (l) Make sure that the message received is the same as the message sent by the PATS.

- (6) For a check of the message sent from the aircraft to the PATS (downlink message), do as follows:

- (a) On the CDU, push the DATA function key.

Result:

- 1 The DATA 1/4 page is shown on the CDU display.

- (b) Push the 3R line select key to set the UNILINK MENU.

Result:

- 1 UNILINK MAIN MENU 1/2 is shown on the CDU display.

- (c) Push the 2R line select key to set MESSAGES.

Result:

- 1 The UNILINK MESSAGES MENU is shown on the CDU display.

- (d) Push the 1L line select key to set FREE TEXT.



- (e) With the CDU keyboard, type the "TESTING UNILINK" text.
  - (f) On the CDU, push the ENTER key.
  - (g) Push the 4R select key to set SEND.  
Result:
    - 1 On the CDU, the message "QUEUE, SENDING TEXT, SENT" message is shown.
    - 2 The wattmeter shows a short transmission.
    - 3 On the PATS, in the laptop PC, a "5Z" amber message comes into view in the LABEL column. It is an indication that the PATS received the message from the aircraft.
  - (h) On the laptop keyboard, push the F1 key to access ALL TRAFFIC.
  - (i) Make sure that the message sent by the aircraft comes into view after the letters FTM.
  - (j) On the laptop keyboard, push the ESC key.  
Result:
    - 1 The PC-ACARS MAIN MENU is shown on the laptop display.
  - (k) Push the ESC key three times to quit the program.
  - (l) Turn the laptop computer off.  
Result:
    - 1 RADIO PWR LED goes off.
  - (m) Set the SYSTEM PWR switch to OFF.
  - (n) On the circuit breaker panel, open the VHF 3 circuit breaker.
  - (o) Disconnect the wattmeter and connect connector 1P0760 to connector J0760, or connect connector 1P3081 to connector J3081, as applicable.
  - (p) On the circuit breaker panel, close the VHF 3 circuit breaker.
- (7) Do the passenger door and emergency parking brake interface check as follows:
- (a) Push the DATA function key.  
Result:
    - 1 The DATA 1/4 page is shown on the CDU display.
  - (b) Push the 3R line select key to set the UNILINK MENU.  
Result:
    - 1 The UNILINK MAIN MENU 1/2 is shown on the CDU display.
  - (c) Push the 2L line select key to set "OOOI".  
Result:
    - 1 The OOOI 1/1 page is shown on the CDU display.
  - (d) Close the main door.
  - (e) Release the parking brake.  
Result:
    - 1 The current time is set in the OUT TIME field.
  - (f) Open the main door.



- (g) Set the parking brake on.  
Result:
  - 1 The current time is set in the IN TIME field.
- (8) (Aircraft with VHF 3 controlled by the CDU and enabled for voice communication) In the cockpit, do as follows:
  - (a) On the CDU, push the DATA function key.  
Result:
    - 1 The DATA 1/4 page is shown on the CDU display.
  - (b) Push the 3R line select key to set the UNILINK MENU.  
Result:
    - 1 The UNILINK MAIN MENU 1/2 is shown on the CDU display.
  - (c) Push the NEXT function key.  
Result:
    - 1 The UNILINK MAIN MENU 2/2 is shown on the CDU display.
  - (d) Push the 3L select key to set COMM CONTROL.  
Result:
    - 1 The UNILINK COMM CONTROL page is shown on the CDU display.
  - (e) Select VHF VOICE.  
Result:
    - 1 The UNILINK VHF VOICE page is shown on the CDU display.
  - (f) Select FREQ to set a frequency for voice communication with the ground station.
  - (g) On the Pilot DAP, select microphone COM 3.  
Result:
    - 1 On the Pilot DAP, the COM 3 light comes on.
  - (h) Push the PTT switch, and establish a voice communication with the ground station.  
Result:
    - 1 Communication must be established.
  - (i) On the Pilot DAP, push other button of the same row to deselect COM 3.

K. Follow-on

*SUBTASK 842-002-A*

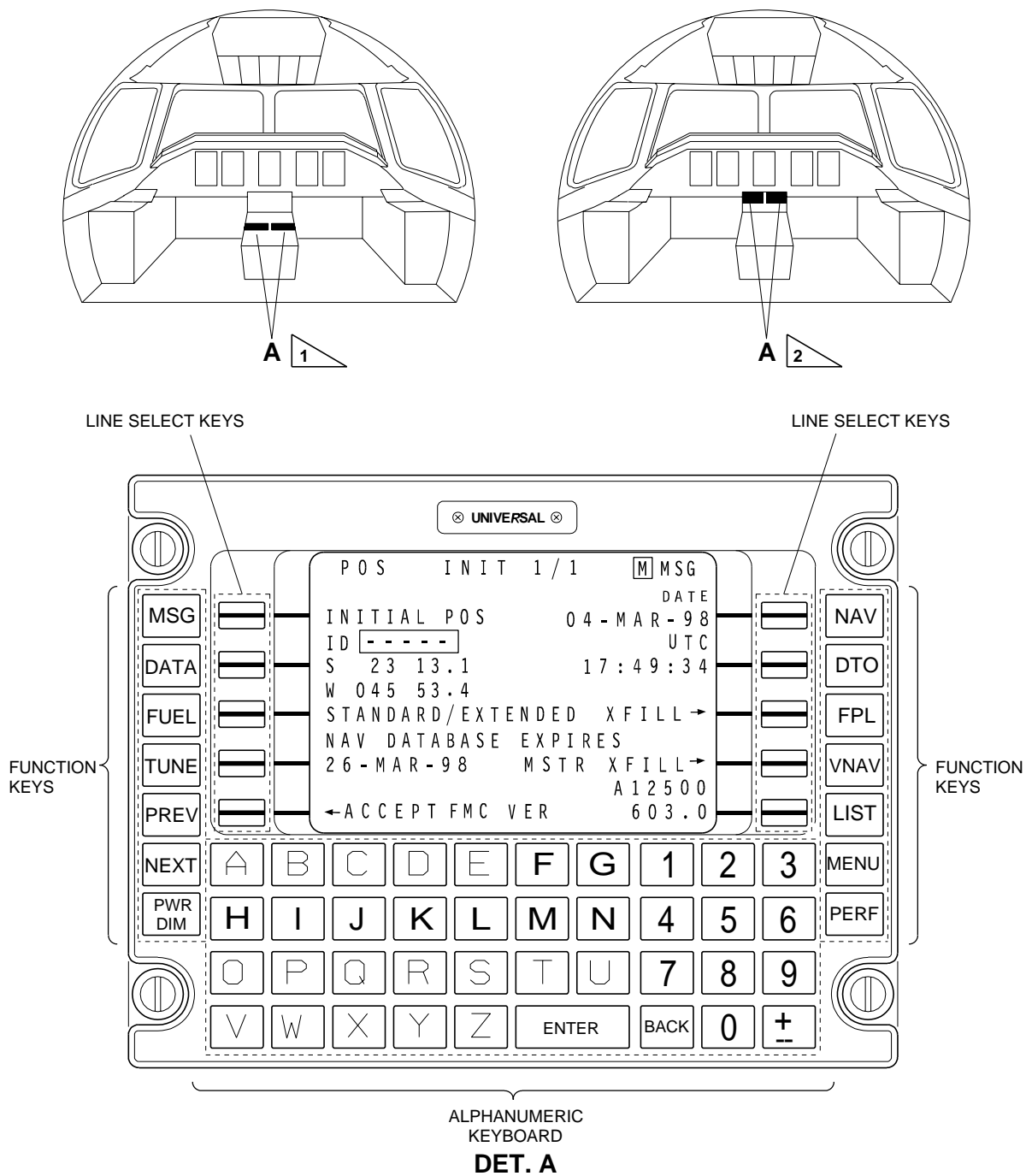
- (1) Close access door 113CZ (AMM MPP 06-41-01/100)
- (2) Deenergize the aircraft ( [AMM TASK 20-40-01-860-801-A/200](#)).



EFFECTIVITY: AIRCRAFT WITH ACARS

FMS CDU

Figure 501



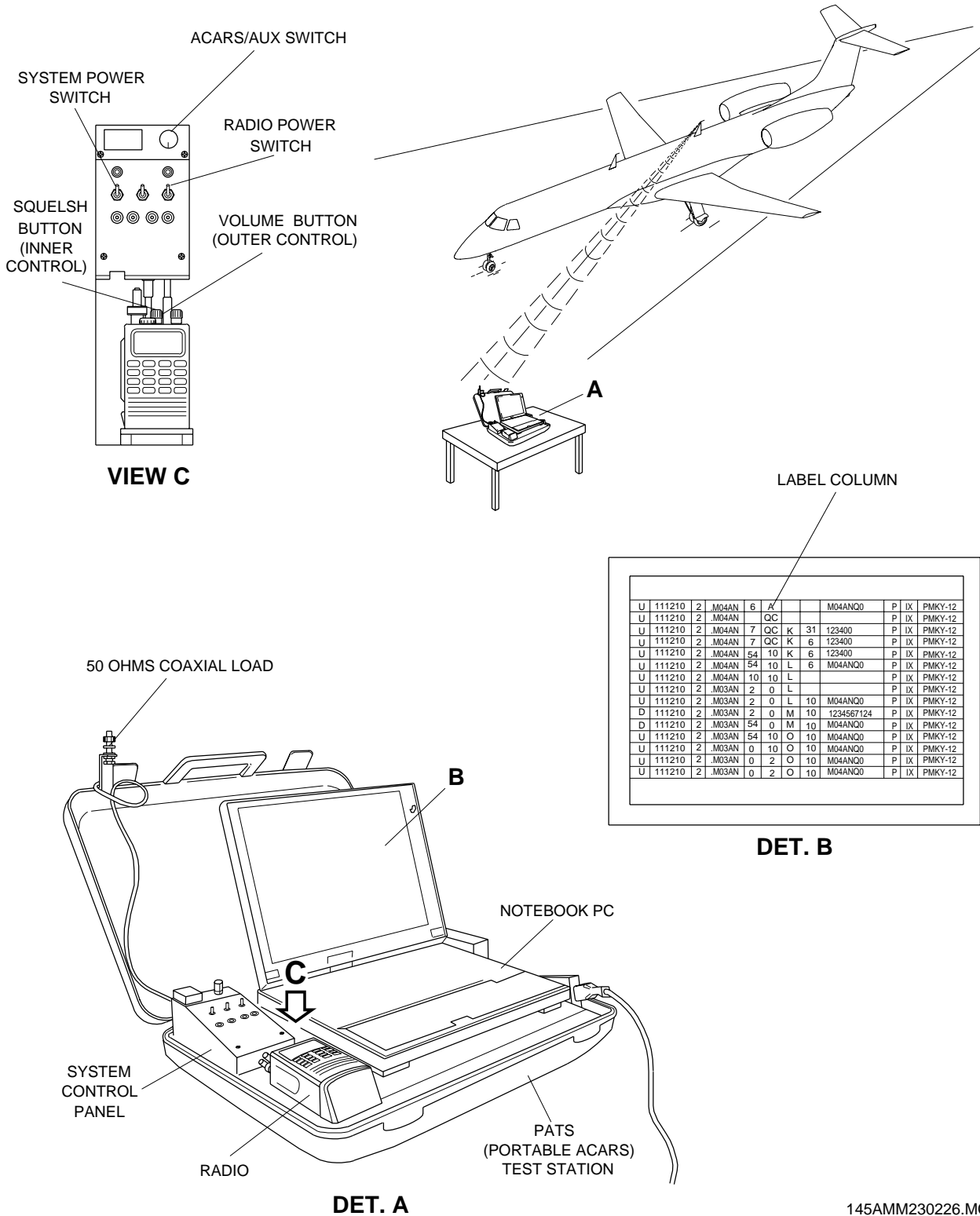
1 AIRCRAFT WITH FMS CDUS INSTALLED ON CONTROL PEDESTAL AFT PANEL.

2 AIRCRAFT WITH FMS CDUS INSTALLED ON CONTROL PEDESTAL FORWARD PANEL.

145AMM340276.MCE B



EFFECTIVITY: AIRCRAFT WITH ACARS  
PATs - Portable ACARS Test Station  
Figure 502

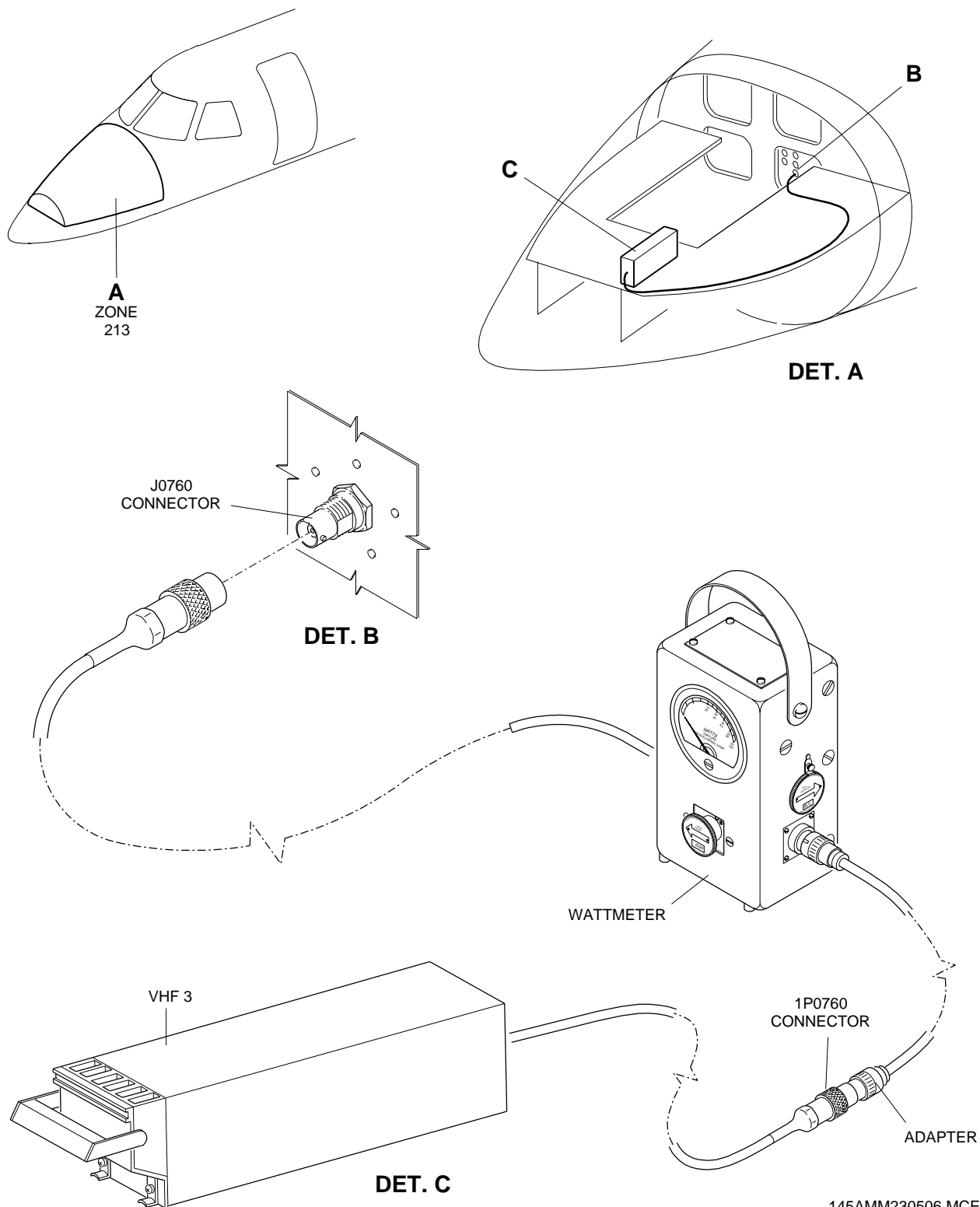




EFFECTIVITY: AIRCRAFT WITH ACARS

Wattmeter Installation

Figure 503



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TASK 23-22-00-700-802-A

*EFFECTIVITY: AIRCRAFT WITH ACARS*

### 3. ACARS - FUNCTIONAL TEST WITH AN ACARS GROUND STATION

#### A. General

- (1) This task gives the procedures to do the ACARS functional test with an ACARS Ground Station.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 20-40-01-860-801-A/200</a>	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
<a href="#">AMM TASK 32-00-01-910-801-A/200</a>	LG SAFETY PIN - INSTALLATION AND REMOVAL

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223		Cockpit
213	113CZ	Forward electronic compartment

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
<a href="#">GSE 040</a>	Wattmeter-RF Thruline	To do a check for VHF TX occurrence	
<a href="#">GSE 042</a>	Element Plug-in	Used with GSE 040	

#### 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
1	Helps the other technician	Forward electronic compartment

#### I. Preparation ([Figure 505](#))

*SUBTASK 841-003-A*

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



- (2) Make sure that landing gear safety pins are installed.
- (3) On the circuit breaker panel, open the VHF 3 circuit breaker (Location Tip: DC BUS 1/ COMM/VHF 3).
- (4) Open the 113CZ access door (AMM MPP 06-41-01/100).
- (5) Disconnect the connector 1P0760 from the connector J0760, or the connector 1P3081 from the connector J3081, as applicable
- (6) Connect the wattmeter between the 1P0760 and J0760 connectors, or between the 1P3081 and J3081 connectors, installed on the front pressure bulkhead, as applicable. To do this, use appropriate adapters.
- (7) On the circuit breaker panel, close the VHF 3 circuit breaker.
- (8) Close all FMS 1 circuit breakers (Location Tip: DC BUS 1/NAV/FMS) or all FMS 2 circuit breakers (Location Tip: DC BUS 2/ NAV/FMS).

**NOTE:** Only one of the CDUs must be used to do the ACARS operation.

- (9) On the circuit breaker panel, make sure that these circuit breakers are closed:
  - ACARS (Location Tip: DC BUS 1/COMM/ACARS).
  - ACARS PTR (Location Tip: 115 V AC/ACARS PTR).
  - MAIN DOOR 1 (Location Tip: DC BUS 1/MISCELLANEOUS/MAIN DOOR 1) or MAIN DOOR 2 (Location Tip: HOT BUS 2/MAIN DOOR 2).
  - EMER/PRKG (Location Tip: DC BUS 1/LDG GEAR/BRAKES/EMERG/PRKG).
- (10) Make sure that the Emergency Parking Brake system operates and is with hydraulic power.
- (11) Make sure that there is no obstacle between the aircraft and the ACARS ground station.
- (12) Make sure that the aircraft is in the ACARS ground station range.

J. Functional Test Procedures [\(Figure 504\)](#) [\(Figure 505\)](#)

**SUBTASK 720-003-A**

- (1) Do the ACARS functional test as follows:
  - (a) Make sure that the main door is open.
  - (b) Make sure that the parking brake is on.
  - (c) On the CDU, push the POWER DIM pushbutton.  
Result:  
1 The CDU SELF TEST occurs and the INIT 1/1 page appears on the CDU display.
  - (d) Push the 5L line select key to set ACCEPT.  
Result:  
1 The field "ACCEPT" goes out of view.



- (e) Push the MSG (Message) key.

Result:

- 1 The MESSAGE 1/1 page appears on the CDU display.

- (f) Push the 5L line select key to set the UNILINK MAIN MENU.

Result:

- 1 The UNILINK MAIN MENU 1/2 page appears on the CDU display.

- (g) Push the NEXT key to set UNILINK MAIN MENU 2/2.

Result:

- 1 UNILINK MAIN MENU 2/2 is shown on the CDU display.

- (h) Push the 3L line select key to set COMM CONTROL.

Result:

- 1 The UNILINK COMM CONTROL page is shown on the CDU display.

- (i) Push the 2L line select key to set the VHF DATA page.

Result:

- 1 The UNILINK VHF DATA page is shown on the CDU display.

- (j) Push the 4R line select key to set the FREQ page.

Result:

- 1 The UNILINK FREQUENCIES page is shown on the CDU display.

**NOTE:** When the ACARS VHF frequency is changed, the ACARS sends a short ground station interrogation. It can be monitored by the wattmeter, installed between the VHF 3 transceiver and the antenna. The wattmeter must be set to the 10W range of transmitted power.

- (k) With the line select key, set a new VHF frequency.

Result:

- 1 The wattmeter shows a short transmission when a new frequency is set.

- (l) On the circuit breaker panel, open the VHF 3 circuit breaker.

- (m) Disconnect the wattmeter and connect connector 1P0760 to connector J0760, or connect connector 1P3081 to connector J3081, as applicable.

- (n) On the circuit breaker panel, close the VHF 3 circuit breaker.

- (2) For a check of the communication between the aircraft and the ACARS ground station:

- (a) Make sure that the ACARS frequency is the same as that of the ACARS ground station.

- (b) Push the DATA key.

Result:

- 1 The DATA 1/4 MENU appears on the CDU display.

- (c) Push the 3R line select key to set the UNILINK MENU.

Result:

- 1 UNILINK MAIN MENU 1/2 is shown on the CDU display.

- (d) Push the 5L line select key to set "INIT".



Result:

1 The UNILINK PREFLIGHT page appears on the CDU display.

- (e) Push the 1L line select key to set the "ORIG" field.

Result:

1 The "ORIG" field highlights.

- (f) With the CDU alphanumeric keyboard, enter with the "AAA" data.

Result:

1 The "AAA" data is shown on the "ORIG" field.

- (g) On the alphanumeric keyboard, push the ENTER key.

- (h) Push 1R line select key to set the "DEST" field.

Result:

1 The "DEST" field highlights.

- (i) With the CDU alphanumeric keyboard, enter with the "BBB" data.

Result:

1 The "BBB" data is shown on the "DEST" field.

- (j) On the alphanumeric keyboard, push the ENTER key.

- (k) Push the 3L line select key to set the "FLT No" field.

Result:

1 The "FLT No" field highlights.

- (l) With the CDU alphanumeric keyboard, enter with the "1111" data.

Result:

1 The "1111" data is shown on the "FLT No" field.

- (m) On the alphanumeric keyboard, push the ENTER key.

- (n) Push the 5R line select key to set "RETURN".

Result:

1 UNILINK MAIN MENU 1/2 is shown on the CDU display.

- (o) Push the 2R line select key to set MESSAGES.

Result:

1 The UNILINK MESSAGES MENU is shown on the CDU display.

- (p) Push the 1L line select key to set FREE TEXT.

- (q) With the CDU keyboard, type "TESTING UNILINK"

- (r) On the CDU, push the ENTER key.

- (s) Push the 4R line select key to set "SEND".

Result:

1 On the CDU, the message "QUEUE, SENDING TEXT, SENT" is shown.

2 The ACARS ground station must receive the message.

- (t) Push the 5R line select key to set "RETURN".

Result:

1 UNILINK MESSAGES MENU is shown on the CDU display.

- (u) Ask the ACARS ground station to make a free text transmission.



- (v) Make sure that the message was sent.
- (w) Push the 3L line select key to set RCVD MSGS (Received Messages).  
Result:
  - 1 UNILINK RECEIVED MSGS 1/1 is shown on the CDU display.
  - 2 The message titles are shown on these pages in the opposite order to that in which they are received. The newest message is shown first. If there is more than one page of message titles, use the PREV and NEXT function keys to turn through the pages.
- (3) Do the passenger door and emergency parking brake interface check as follows:
  - (a) Push the 5R line select key to set "RETURN".
  - (b) Repeat the action (a).  
Result:
    - 1 The UNILINK MENU 1/2 is shown on the CDU display.
  - (c) Push the 2L line select key to set "OOOI".  
Result:
    - 1 The OOOI 1/1 page is shown on the CDU display.
  - (d) Close the main door.
  - (e) Release the parking brake.  
Result:
    - 1 The current time is set in the "OUT TIME" field.
  - (f) Open the main door.
  - (g) Set the parking brake on.  
Result:
    - 1 The current time is set in the "IN TIME" field.
- (4) (Aircraft with VHF 3 controlled by the CDU and enabled for voice communication) In the cockpit, do as follows:
  - (a) On the CDU, push the DATA function key.  
Result:
    - 1 The DATA 1/4 page is shown on the CDU display.
  - (b) Push the 3R line select key to set the UNILINK MENU.  
Result:
    - 1 The UNILINK MAIN MENU 1/2 is shown on the CDU display.
  - (c) Push the NEXT function key.  
Result:
    - 1 The UNILINK MAIN MENU 2/2 is shown on the CDU display.
  - (d) Push the 3L select key to set COMM CONTROL.  
Result:
    - 1 The UNILINK COMM CONTROL page is shown on the CDU display.
  - (e) Select VHF VOICE.



Result:

1 The UNILINK VHF VOICE page is shown on the CDU display.

- (f) Select FREQ to set a frequency for voice communication with the ground station.
- (g) On the Pilot DAP, select microphone COM 3.

Result:

1 On the Pilot DAP, the COM 3 light comes on.

- (h) Push the PTT switch, and establish a voice communication with the ground station.

Result:

1 Communication must be established.

- (i) On the Pilot DAP, push other button of the same row to deselect COM 3.

K. Follow-on

*SUBTASK 842-003-A*

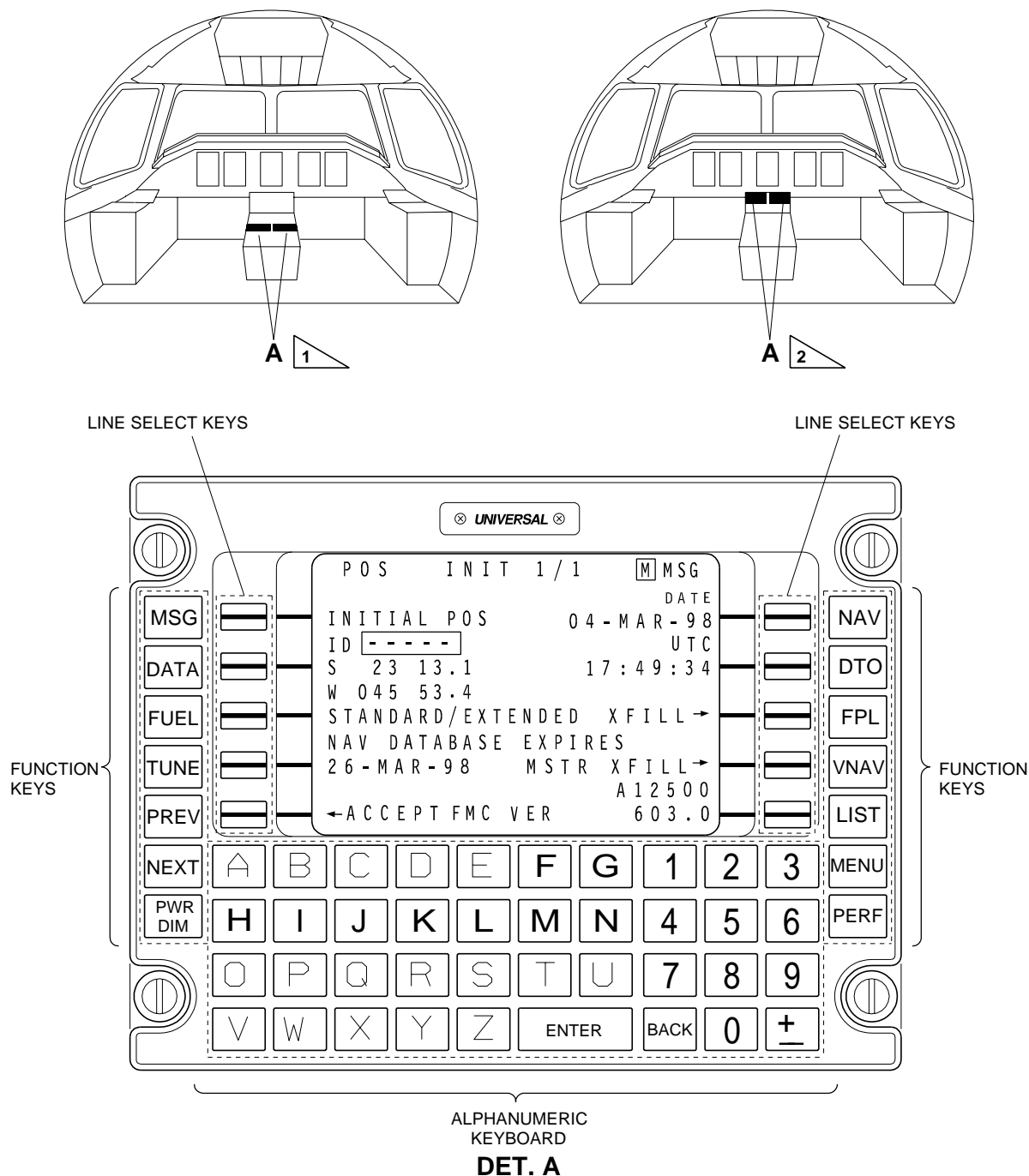
- (1) Close the 113CZ access door (AMM MPP 06-41-01/100).
- (2) Remove the landing gear safety pin ( [AMM TASK 32-00-01-910-801-A/200](#)).
- (3) Deenergize the aircraft ( [AMM TASK 20-40-01-860-801-A/200](#)).



EFFECTIVITY: AIRCRAFT WITH ACARS

FMS CDU

Figure 504



1 AIRCRAFT WITH FMS CDUS INSTALLED ON CONTROL PEDESTAL AFT PANEL.

2 AIRCRAFT WITH FMS CDUS INSTALLED ON CONTROL PEDESTAL FORWARD PANEL.

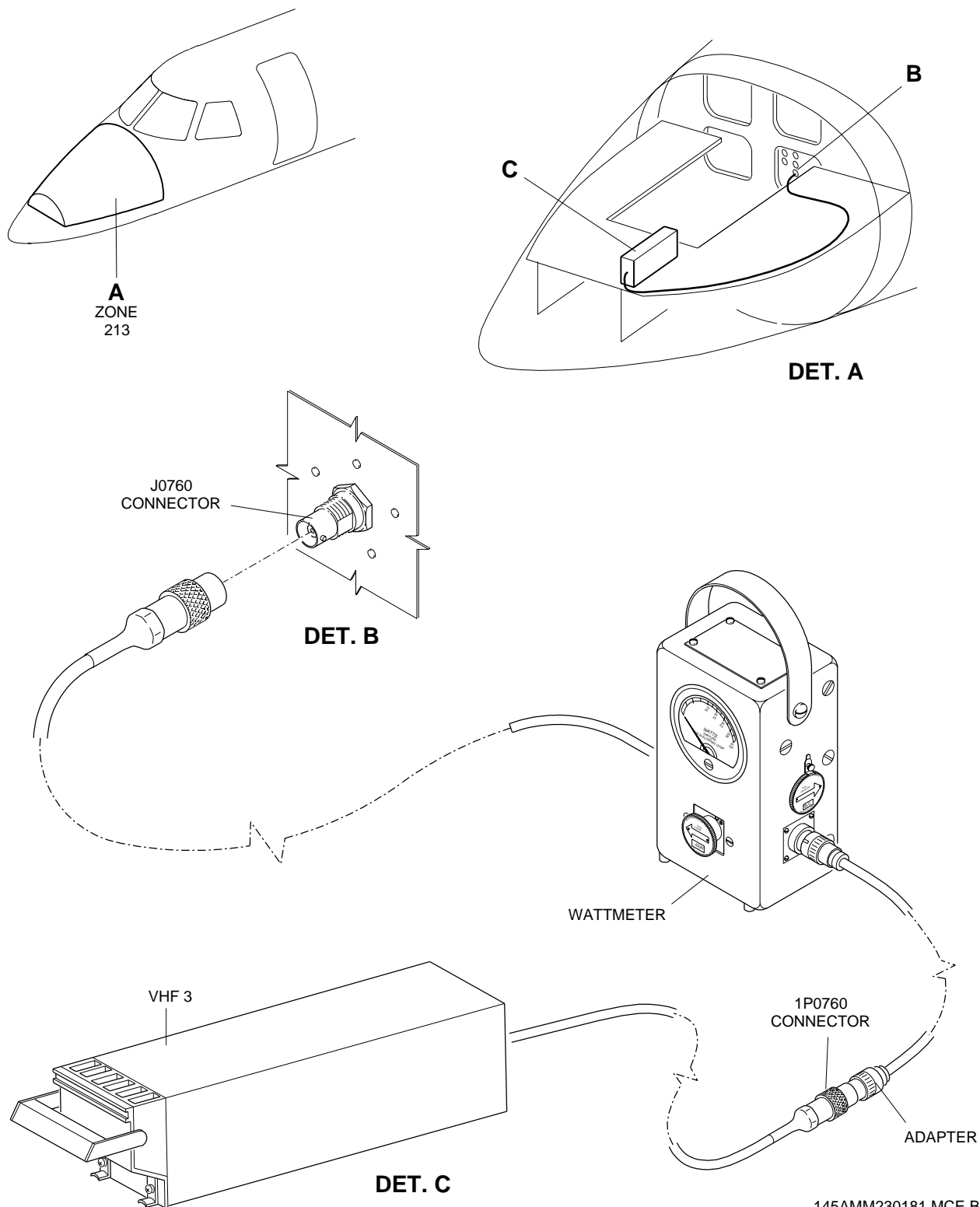
EM145AMM341403A.DGN



EFFECTIVITY: AIRCRAFT WITH ACARS

Wattmeter Installation

Figure 505



145AMM230181.MCE B



