PRA SYSTEM - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

    A.   This section gives the procedures to do the operational test of prerecorded announcement (PRA) system.

    B.   The PRA system is installed in the forward galley, zone 232.

    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
23-34-00-700-801-A	PRA SYSTEM - OPERATIONAL TEST	ALL

TASK 23-34-00-700-801-A
EFFECTIVITY: ALL

2. <u>PRA SYSTEM - OPERATIONAL TEST</u>

A. General

(1) This task gives the procedures to do the PRA system operational test.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EX-TERNAL POWER SOURCE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
232		FWD galley

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	Passenger cabin

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) On the circuit breaker panel, make sure that the following circuit breakers are closed:

• PRA (Location Tip: SHED BUS 1/SERVICE/PRA).

• PA (Location Tip: ESSENTIAL DC BUS 2/COMM/PA).

J.   Operational Test Procedures (Figure 501)

SUBTASK 710-002-A

EFFECTIVITY: AIRCRAFT WITH PRA SYSTEM MODEL PBS400

(1)   Open the door.

(2)   To do the operational test of the PRA system, do as follows:

(a)   Push the ON/OFF pushbutton (1) to turn the PRA control panel on.
Result:

<u>1</u>   The LED display (3) shows the TESTING indication momentarily.

<u>NOTE:</u> If the test is satisfactory, the LED display (3) shows a message title on the active message indicator (9) and language symbols (if set before) on the active language indicator (8).

(b)   Push the UP (4) or the DOWN (7) pushbuttons to set a message title.
Result:

<u>1</u>   On the LED display (3), the set message title will come into view on the active message indicator (9).

<u>NOTE:</u> The AUTO message does not operate. The PLAY (6) pushbutton will not start the AUTO message.

(c)   Push the language select pushbuttons (5) to set the message languages.
Result:

<u>1</u>   On the LED display (3), the set language symbol will come into view on the active language indicator (8).

<u>NOTE:</u> •   The language select pushbuttons (5) show the symbol of the set language on the active language indicator (8). When you push the language select pushbutton (5) again, the symbol of the set language goes out of view. If you set more than one language, the language of the left active symbol will be spoken first and the language of the right active symbol will be spoken last.

•   If you push the PLAY pushbutton (6) and do not set one language minimum, the LED DISPLAY (3) will show the LANGUAGE? indication to tell that you must set a language.

(d)   Push the PLAY pushbutton (6).
Result:

<u>1</u>   The PLAY indication will replace the active language indications on the LED DISPLAY (3).

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2   After 2 seconds, the message in the set languages will be heard in the passenger cabin.

NOTE: • If you push the PLAY pushbutton while a message is on, the message will stop and the LED DISPLAY (3) will show a RELEASE indication momentarily. If you push the PLAY pushbutton (6) again, the message starts from the beginning of the stopped message. To cancel the message and start it again from the beginning, you must use the PLAY pushbutton (6) to stop the message (the LED DISPLAY (3) will show a RELEASE indication momentarily), the UP (4) or the DOWN (7) pushbuttons to change to a different message and then set the message again.

• The language symbol(s) will replace the PLAY indication on the LED DISPLAY (3) when the message stops.

(e)   Cover the photosensor (2).
Result:

1   The intensity of the LED display (3) will decrease.

(f)   Uncover the photosensor (2).
Result:

1   The intensity of the LED display (3) will increase.

(g)   Push the ON/OFF pushbutton (1) to turn the PRA control panel off.

(3)   To calibrate the volume of the PRA system, do as follows:

(a)   Push and hold down the UP (4) pushbutton.

(b)   Push the ON/OFF pushbutton (1) to turn the PRA control panel on.
Result:

1   The LED display (3) shows the TESTING indication momentarily. After the self-test, the LED display (3) shows the RELEASE indication.

(c)   Release the UP pushbutton (4).
Result:

1   The LED display (3) shows the CALIBRATION indication for 2 seconds, to tell that the PRA system is in the calibrate mode.

(d)   Push the UP (4) or the DOWN (7) pushbuttons to set the message for which the volume will be adjusted.

(e)   Push the PLAY pushbutton (6).
Result:

1   The PLAY indication will replace the active language indications on the LED DISPLAY (3).

2   After 2 seconds, the message in the set languages will be heard in the passenger cabin.

(f)   Push the UP (4) or the DOWN (7) pushbuttons to adjust the volume of the set message while the message is spoken.

Result:

    1   A beep signal will be heard while you push the UP (4) or the DOWN (7) pushbutton and its volume level will increase or decrease. When you have the maximum or minimum volume level, a different beep tone will be heard.

(g)   Push the ON/OFF pushbutton (1) to turn the PRA control panel off.

(4)   Close de door.

K.   Operational Test Procedures (Figure 502) (Figure 503) (Figure 504)

SUBTASK 710-003-A
EFFECTIVITY: AIRCRAFT WITH PRA SYSTEM MODEL PBS600

(1)   Do the PRA system operational test as follows:

(a)   Push and release the POWER switch.
Result:

    1   The PRA unit turns on.

    2   The unit automatically starts a self-test.

    3   The display shows a selection menu if the test is satisfactory.

(b)   Push and release the LANGUAGE button to access the language list.
Result:

    1   The display shows the language list.

(c)   Use the UP or DOWN ARROW pushbuttons to scroll through the language list.
Result:

    1   A selection arrow scrolls through the language list.

(d)   Push and release the SELECT pushbutton to select a language.
Result:

    1   The selected language is shown in the middle of the display below the language list.

NOTE: For multi-language scripts, do steps (c) and (d) again.

(e)   Push and release the MESSAGE pushbutton to access the message groups.
Result:

    1   The display shows the message group.

(f)   Use the UP or DOWN ARROW pushbuttons to scroll through the message group.
Result:

    1   A selection arrow scrolls through the message groups.

(g)   Push and release the SELECT pushbutton to select a message.
Result:

    1   The message is selected and a darkened arrow comes into view next to the activated selection.

(h)   Push and release the PLAY button.

Result:

1   The message in the set language will be heard through the passenger loudspeakers.

NOTE: If the PLAY button is pushed again, the message stops.

(i)   Push the UP or DOWN VOLUME ARROW to adjust the volume while the message plays.

Result:

1   The volume of the message changes.

(j)   In the cockpit, on the pilot DAP, push the PAX button.

Result:

1   On the DAP, the PAX button striped bar comes on.

2   On the Attendant Handset, in the passenger cabin, the PA (or PAX as applicable) LED comes on.

(k)   On the glareshield panel, push the PTT button.

Result:

1   The PRA unit stops the message.

(l)   On the glareshield panel, release the PTT button.

Result:

1   The PRA unit continues to play the stopped message.

(m)   On the DAP, push the COM1 button.

Result:

1   On the DAP, the COM1 button striped bar comes on.

2   On the DAP, the PAX button striped bar goes off.

3   On the Attendant Handset, in the passenger cabin, the PA (or PAX as applicable) LED goes off.

(n)   Do steps (j) to (m) again on the copilot and observer DAP.

NOTE: For the observer DAP, use the PTT button of the observer audio jack panel.

(o)   In the passenger cabin, remove the Attendant handset from its cradle.

(p)   On the Attendant handset, push the PA button.

Result:

1   On the Attendant handset, the PA LED comes on.

(q)   Push the handset PTT button.

Result:

1   The PRA unit stops the message.

(r)   Release the handset PTT button.
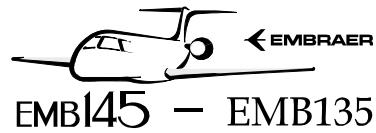
Result:

1   The PRA unit continues to play the stopped message.

(s)   Put the handset back on its cradle.

Result:

1   On the attendant handset, the PA LED goes off.

(t)   (Aircraft with the optional attendant handset) Do steps (o) to (t) for the attendant handset installed on the toilet forward partition.

(u)   Push and release the POWER switch.
Result:

<u>1</u>   The PRA unit turns off.

L.   Follow-on
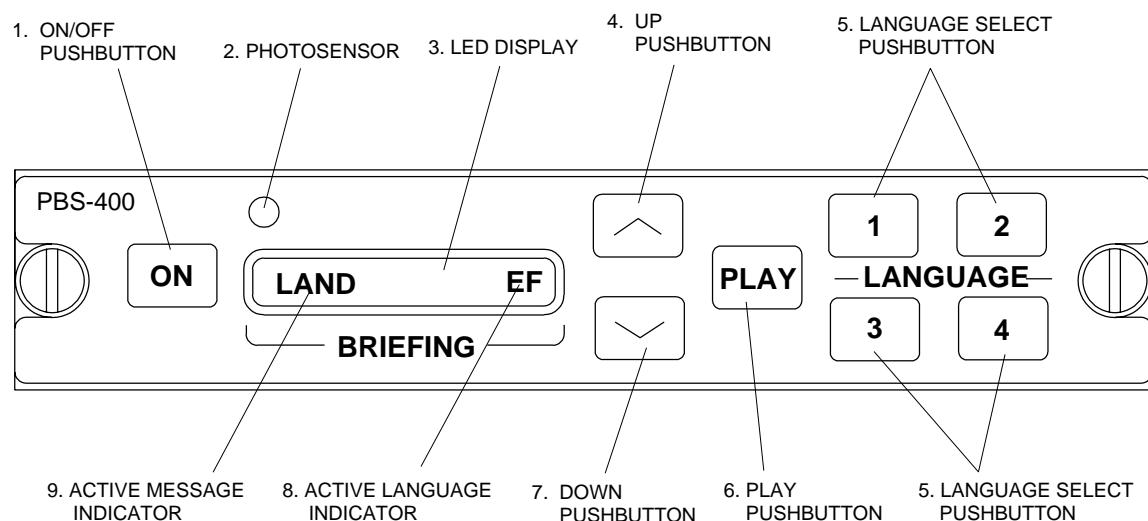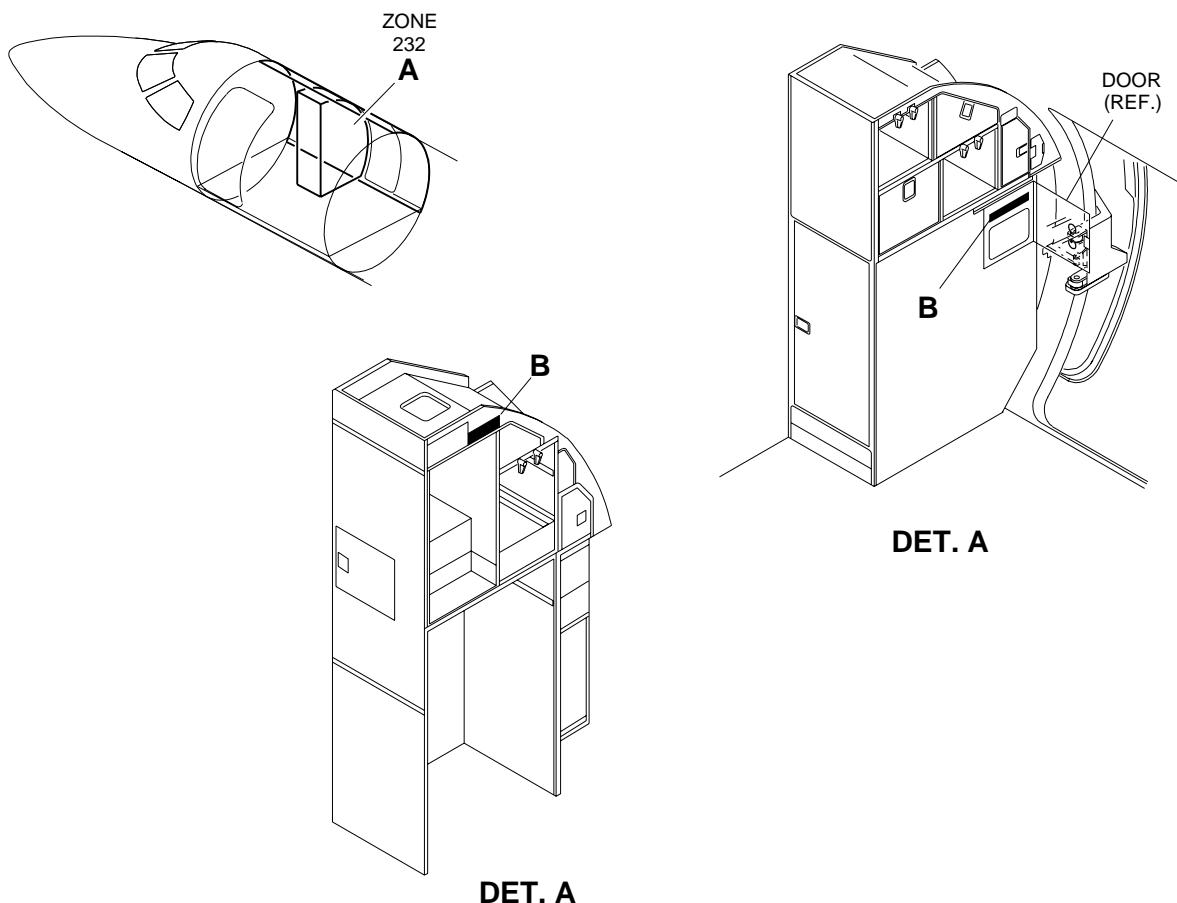
SUBTASK 842-002-A

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

EFFECTIVITY: AIRCRAFT WITH PRA SYSTEM MODEL PBS400
PRA Control Panel - PBS400
Figure 501

ZONE
232
A

B

DOOR
(REF.)

B

DET. A

B

DET. A

1. ON/OFF
PUSHBUTTON

2. PHOTOSENSOR

3. LED DISPLAY

4. UP
PUSHBUTTON

5. LANGUAGE SELECT
PUSHBUTTON

PBS-400

ON

LAND   EF

^

PLAY

1   2

LANGUAGE

3   4

v

BRIEFING

9. ACTIVE MESSAGE
INDICATOR

8. ACTIVE LANGUAGE
INDICATOR

7. DOWN
PUSHBUTTON

6. PLAY
PUSHBUTTON

5. LANGUAGE SELECT
PUSHBUTTON
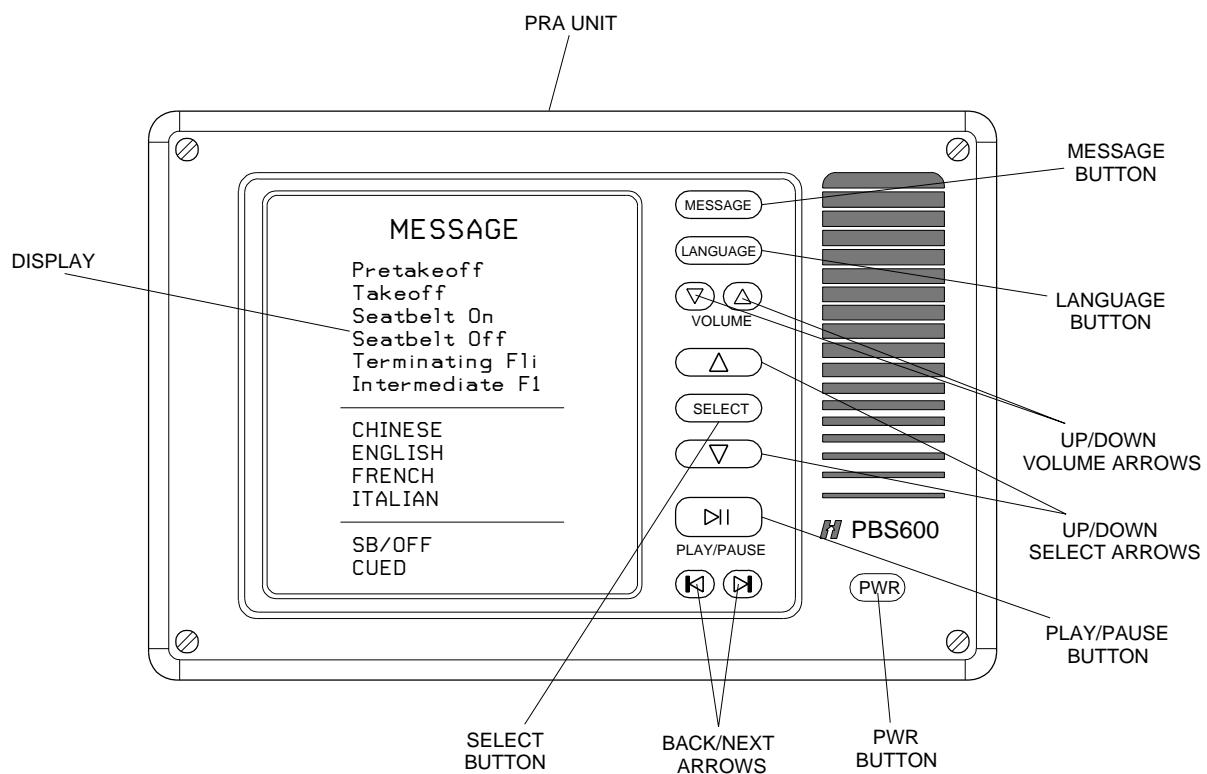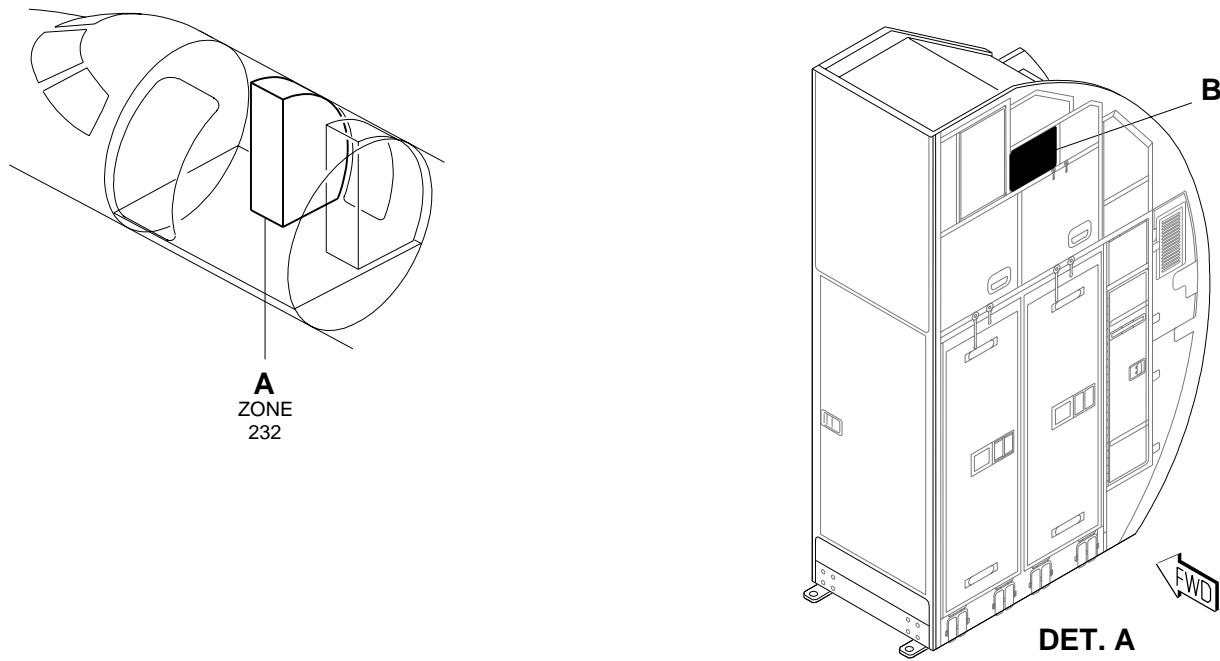
DET. B

145AMM230205.MCE B

EFFECTIVITY: AIRCRAFT WITH PRA SYSTEM MODEL PBS600
PRA Unit - PBS600
Figure 502

A
ZONE
232

B

DET. A

PRA UNIT

MESSAGE

Pretakeoff
Takeoff
Seatbelt On
Seatbelt Off
Terminating Fli
Intermediate F1

CHINESE
ENGLISH
FRENCH
ITALIAN

SB/OFF
CUED

DISPLAY

MESSAGE

LANGUAGE

VOLUME

SELECT

PLAY/PAUSE

PBS600

PWR

MESSAGE
BUTTON

LANGUAGE
BUTTON

UP/DOWN
VOLUME ARROWS

UP/DOWN
SELECT ARROWS

PLAY/PAUSE
BUTTON

SELECT
BUTTON

BACK/NEXT
ARROWS

PWR
BUTTON
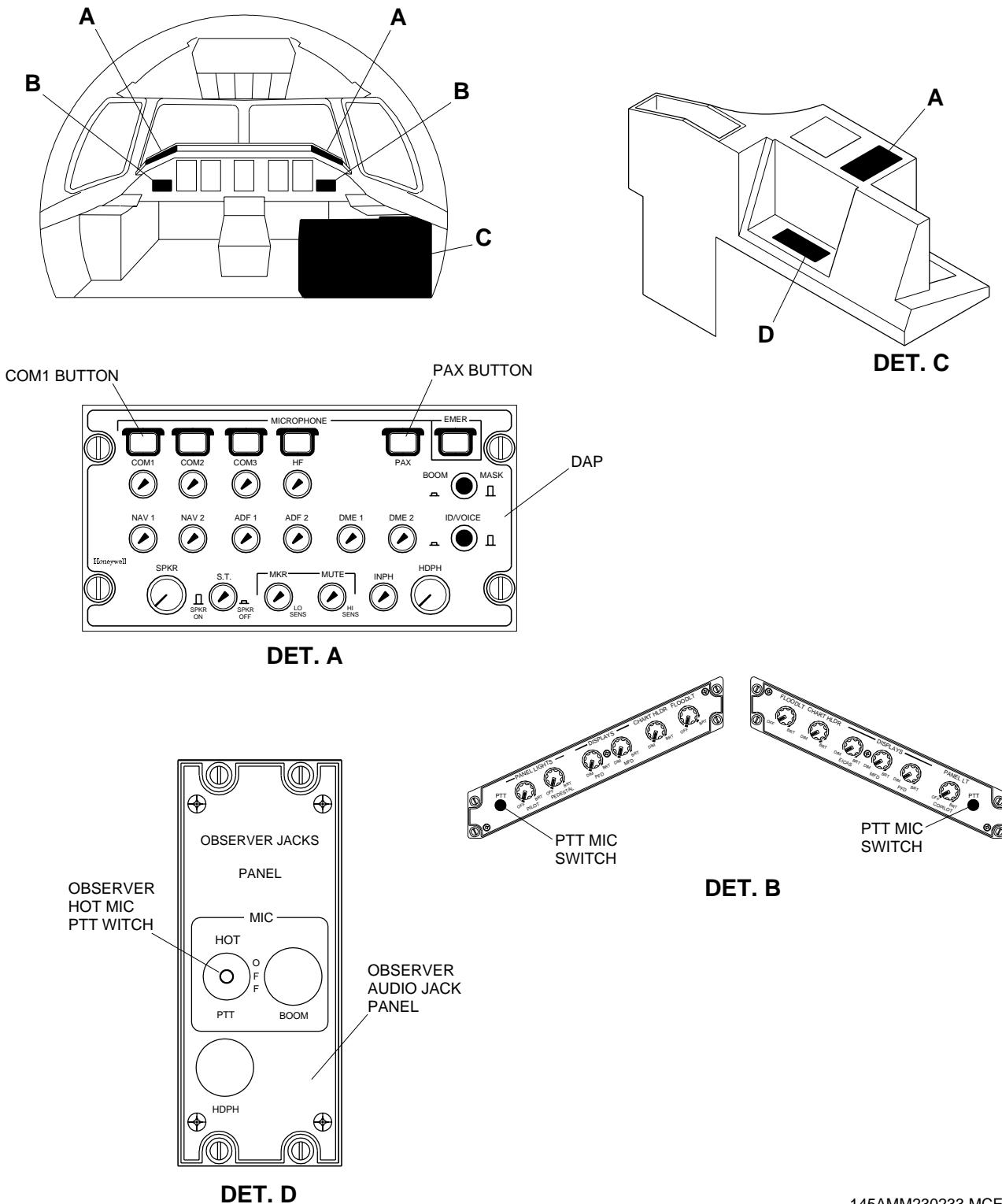
DET. B

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EFFECTIVITY: AIRCRAFT WITH PRA SYSTEM MODEL PBS600
Audio Panels and PTT Switches
Figure 503

DET. A

DET. B

DET. C

DET. D
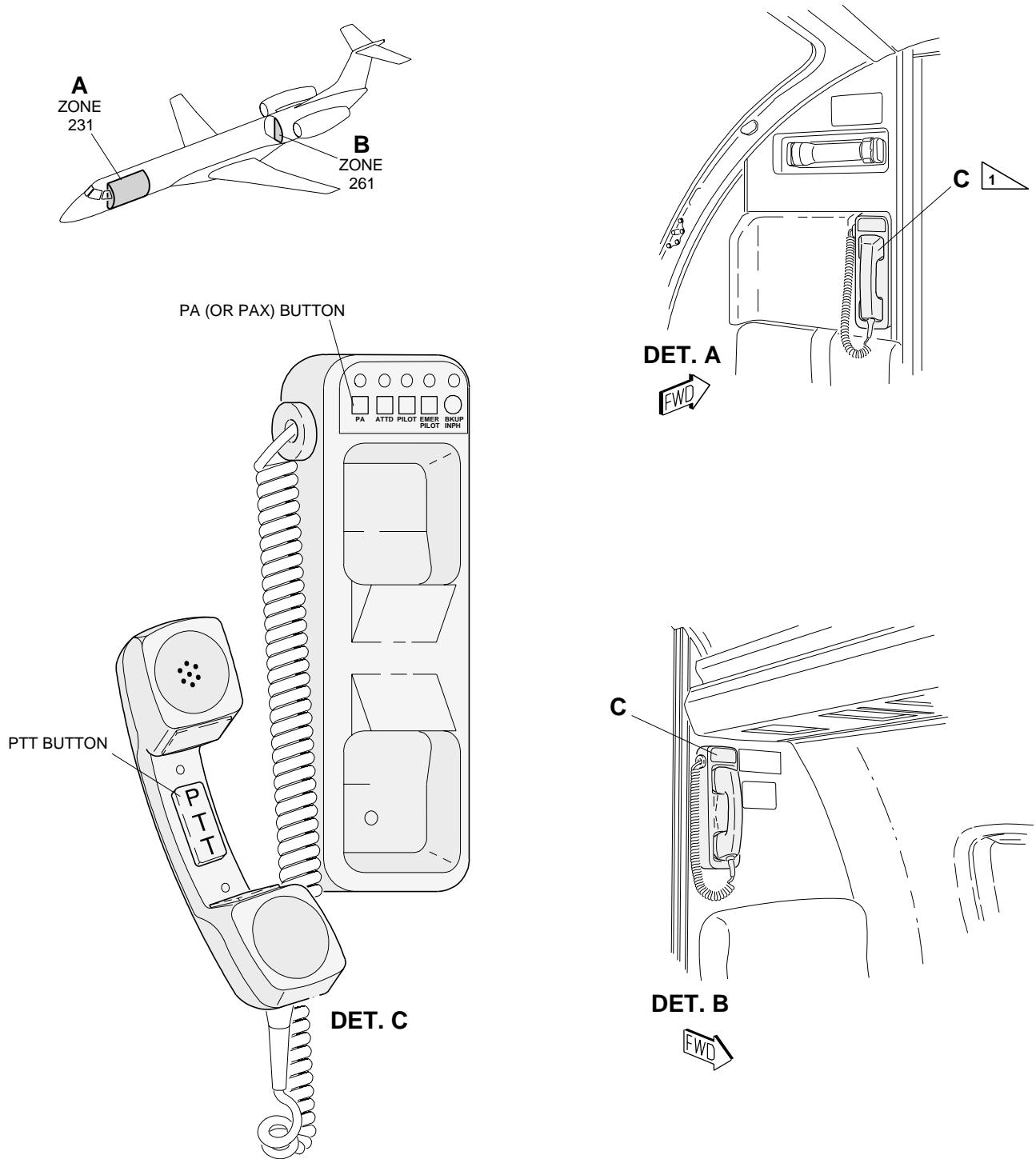
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EFFECTIVITY: AIRCRAFT WITH PRA SYSTEM MODEL PBS600
Attendant Handset
Figure 504

DET. A

PA (OR PAX) BUTTON

PTT BUTTON

DET. C

DET. B

1   AIRCRAFT WITH SECOND ATTENDANT HANDSET INSTALLED.

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