

### LAVATORY - REMOVAL/INSTALLATION

**EFFECTIVITY:** ACFT MODEL(S) EMB-145

**1. General**

- A. This section gives the procedures to remove/install the lavatory.
- B. The lavatory is installed in the passenger cabin, at zones 261 and 262.
- C. Obey these safety precautions, when you work on the component:
  - (1) Disconnect the electrical power during maintenance procedures.
  - (2) Always use insulated tools when you work on or near electrical circuits.
- D. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

<b>TASK NUMBER</b>	<b>DESCRIPTION</b>	<b>EFFECTIVITY</b>
25-40-01-000-801-A	LAVATORY - REMOVAL	AIRCRAFT WHOSE FILL/OVERFLOW LINES ARE ATTACHED TO THE FORWARD BAGGAGE COMPARTMENT PARTITION
25-40-01-400-801-A	LAVATORY - INSTALLATION	AIRCRAFT WHOSE FILL/OVERFLOW LINES ARE ATTACHED TO THE FORWARD BAGGAGE COMPARTMENT PARTITION
25-40-01-000-802-A	LAVATORY - REMOVAL	AIRCRAFT WHOSE FILL/OVERFLOW LINES GO BELOW THE FLOOR
25-40-01-400-802-A	LAVATORY - INSTALLATION	AIRCRAFT WHOSE FILL/OVERFLOW LINES GO BELOW THE FLOOR
25-40-01-000-803-A	LAVATORY ACCESS PANEL - REMOVAL	ACFT MODEL(S) EMB-145
25-40-01-400-803-A	LAVATORY ACCESS PANEL - INSTALLATION	ACFT MODEL(S) EMB-145



# AIRCRAFT MAINTENANCE MANUAL

TASK 25-40-01-000-801-A

EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES ARE ATTACHED TO THE FORWARD BAGGAGE COMPARTMENT PARTITION

## 2. LAVATORY - REMOVAL

### A. General

- (1) This task gives the procedures to remove the lavatory.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 23-31-03-000-801-A/400</a>	ATTENDANT HANDSET/CRADLE - REMOVAL
AMM TASK 25-22-01-000-801-A/400	-
AMM TASK 25-22-01-000-802-A/400	-
<a href="#">AMM TASK 25-27-03-000-801-A/400</a>	TOILET PARTITION - REMOVAL
<a href="#">AMM TASK 25-40-04-000-801-A/400</a>	TOILET SHROUD ASSEMBLY - REMOVAL
<a href="#">AMM TASK 25-44-01-000-801-A/400</a>	LAVATORY SLIDE DOOR - REMOVAL
<a href="#">AMM TASK 25-44-01-000-802-A/400</a>	LAVATORY BI-FOLD DOOR - REMOVAL
<a href="#">AMM TASK 38-10-01-000-801-A/400</a>	WATER TANK - REMOVAL
<a href="#">AMM TASK 38-32-01-000-801-A/400</a>	TOILET UNIT - REMOVAL
<a href="#">S.B.145-25-0069</a>	-
<a href="#">S.B.145-38-0002</a>	-
SRM 51-20-01/1	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193MR	Wing-to-Fuselage Fairing
193	193NR	Wing-to-Fuselage Fairing

### 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	A - Does the task	Passenger cabin/lavatory
1	B - Helps technician A	Passenger cabin/lavatory

**I. Preparation**
**SUBTASK 841-013-B**

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Make sure that the lavatory is empty.
- (3) On the overhead panel, set the FSTN BELTS switch to the OFF position and attach a DO-NOT-TURN-ON tag to it.
- (4) On the circuit breaker panel, open the SMOKE DET circuit breaker (Location tip: DC BUS1/LAVATORY/SMOKE DET).
- (5) Remove LH PSU structure module VII (AMM TASK 25-22-01-000-801-A/400 or AMM TASK 25-22-01-000-802-A/400, as applicable).
- (6) Remove the fire extinguisher from the support in the sink cabinet, if applicable.

**J. Removal (Figure 401) (Figure 402) (Figure 403) (Figure 404) (Figure 405) (Figure 406) (Figure 407)**
**SUBTASK 020-013-B**

- (1) Remove the sealant from around the lavatory floor lining (6) (SRM 51-20-01/1). Refer to DET. A, Figure 401.
- (2) Remove the lavatory door [AMM TASK 25-44-01-000-801-A/400](#) or [AMM TASK 25-44-01-000-802-A/400](#), as applicable.
- (3) Remove the screws (5) and washers (4) from the doorsill (3). Refer to DET. A, Figure 401.
- (4) Remove the toilet shroud assembly (10) [AMM TASK 25-40-04-000-801-A/400](#). Refer to DET. C, Figure 401.
- (5) Remove the toilet unit (9) [AMM TASK 38-32-01-000-801-A/400](#). Refer to DET. C, Figure 401.
- (6) Remove the lavatory floor lining (6). Refer to DET. A, Figure 401.
- (7) Remove the toilet partition [AMM TASK 25-27-03-000-801-A/400](#).
- (8) Remove the ceiling panel (8) as follows (refer to VIEW B, Figure 401):
  - (a) Remove the sealant from around the ceiling panel (8) (SRM 51-20-01/1), if applicable.

**CAUTION: CAREFULLY HOLD THE CEILING PANEL DURING THE REMOVAL PROCEDURES.**

- (b) Remove the screws (1) and washers (2) that attach the ceiling panel (8) to the sink cabinet. Refer to DET. A, Figure 401.
  - (c) Remove the screws (12) and washers (11) that attach the ceiling panel (8) to the right-hand cabinet. Refer to DET. A, Figure 401.
  - (d) **NOTE:** If the electrical cables are without identification code, identify the electrical cable to make the reinstallation easier.  
Disconnect the electrical connectors (7). Refer to VIEW B, Figure 401.
  - (e) Remove the ceiling panel (8).
- (9) Remove the RH cabinet (3) as follows (refer to DET. B, Figure 402):
- (a) Carefully, open the cover (2).
  - (b) **NOTE:** If the electrical cables are without identification code, identify the electrical cable to make the reinstallation easier.  
Disconnect the electrical connector (1) from the cover (2). Refer to DET. C, Figure 402.
  - (c) Disconnect the splice (11) from the speaker (10). Refer to DET. D, Figure 402.
  - (d) For aircraft POST-MOD. [S.B.145-25-0069](#), remove the screws (10) and washers (11) to make the removal of the RH cabinet (3) easier. Refer to DET. B, Figure 402.
  - (e) Remove the screws (5) and washers (4) that attach the RH cabinet (3) at the forward baggage compartment partition. Refer to DET. B, Figure 402.
  - (f) Remove the screws (6) and washers (7) that attach the RH cabinet (3) at the toilet floor panel. Refer to DET. B, Figure 402.
  - (g) Remove the screws (8) and washers (9) that attach the RH cabinet (3) at the toilet partition. Refer to DET. B, Figure 402.
- (10) Remove the attendant handset (2) ([AMM TASK 23-31-03-000-801-A/400](#)). Refer to DET. A, Figure 403.
- (11) Remove the screws (4) that attach the fire extinguisher support (3) to the sink cabinet (1), if applicable. Refer to DET. C, Figure 403.
- (12) Remove the mirror (5) from the water tank (11). Refer to DET. B, Figure 403.
- (13) Release the amenity dispenser (8) from the sink cabinet (1). Refer to DET. B, Figure 403.
- (14) Disconnect the splice (10) from the amenity dispenser (8). Refer to DET. E, Figure 403.
- (15) **NOTE:** If the electrical cables are without identification code, identify the electrical cable to make the reinstallation easier.

Disconnect the connectors (9) from the amenity dispenser (8) and from the ballast. Refer to DET. D, Figure 403.

- (16) Loosen the clamp (6) that attaches the conditioned air hose (7). Refer to DET. B, Figure 403.

**CAUTION: OPEN THE POTABLE WATER SERVICING DOOR CAREFULLY NOT CAUSE DAMAGE TO IT.**

- (17) Open the access door 193 NR or 193 MR, as applicable (AMM MPP 06-41-01/100). Refer to DET. A.

**NOTE:** • Figure 404 is applicable to aircraft PRE-MOD [S.B.145-38-0002](#).  
• Figure 405 is applicable to aircraft POST-MOD [S.B.145-38-0002](#).

**CAUTION: MAKE SURE THAT THE MANUAL TANK DRAIN VALVE IN THE SINK CABINET IS IN THE CLOSE POSITION.**

- (18) Remove the protection caps from the water filling nipple and from the water overflow nipple. Refer to DET. B.

- (19) Install the hose at the water overflow nipple. Refer to DET. B.

- (20) Pull the handle to the open position. Refer to DET. B.

- (21) In the sink cabinet, put the manual tank drain valve (13) in the OPEN position. Refer to VIEW B, Figure 406.

- (22) Drain the potable water system until the flow of water from the water overflow nipple stops. Refer to DET. B.

- (23) In the sink cabinet, put the manual tank drain valve (13) in the CLOSE position. Refer to VIEW B, Figure 406.

- (24) Push the handle to the closed position. Refer to DET. B.

- (25) Remove the hose from the water overflow nipple. Refer to DET. B.

**CAUTION: LET ALL EXCESS WATER DRAIN OUT BEFORE YOU INSTALL THE PROTECTION CAPS.**

- (26) Install the protection caps at the water filling nipple and water overflow nipple.

**CAUTION: CLOSE THE POTABLE SERVICING DOOR CAREFULLY NOT TO CAUSE DAMAGE TO IT.**

- (27) Close access door 193 NR or 193 MR, as applicable (AMM MPP 06-41-01/100).

- (28) Remove the water tank (1). Refer to DET. A, Figure 406 [AMM TASK 38-10-01-000-801-A/400](#).

- (29) Remove the sealant from around the plumbing access cover assembly (4) (SRM 51-20-01/1). Refer to DET. A, Figure 406.



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

- (30) Remove the plumbing access cover assembly (4) to get access to the overflow-line mid section 2 (6) and fill-line mid section 2 (7). Refer to DET. A, Figure 406.
- (31) Release the plumbing access panel (3) from the sink cabinet (2) to get access to the overflow-line mid section 1 (10) and fill-line mid section 1 (12). Refer to DET. A, Figure 406.
- (32) Loosen the tank drain valve (13) as follows (refer to VIEW B, Figure 406):

**CAUTION:** BEFORE THE REMOVAL, PUT A MARK TO MAKE SURE THAT THE CLIP LOCKING TURNBUCKLE (19) IS INSTALLED BACK IN THE WITH "CLOSE" INDICATION POSITION.

  - (a) Remove the cotter pin (18) and pin (17) that attach the clip locking turnbuckle (19) to the tank drain valve cable. Refer to VIEW B and DET. C, Figure 406, sheets 1 and 2.
  - (b) Remove the screws (20) and washers (21) that attach the support (22) to the toilet floor panel. Refer to DET. C, Figure 406, sheet 2.
- (33) Loosen the nut (23) to release the tee (9) from the overflow-line mid section 2 (11). Refer to VIEW B and DET. D, Figure 406, sheets 1 and 2.
- (34) Loosen the nut (24) to release the elbow (16) from the fill-line mid section 2 (15). Refer to VIEW B and DET. E, Figure 406, sheets 1 and 2.
- (35) Loosen the nut (25) to release the washbasin drain line (8). Refer to VIEW B and DET. F, Figure 406, sheets 1 and 2.
- (36) Remove the screws (26), washers (27), and spacers (29) of the clamps (28) that attach the fill-line mid section 2 (15) and overflow-line mid section 2 (11) to the forward baggage partition. Refer to VIEW B and DET. G, Figure 406, sheets 1 and 2.
- (37) Loosen the nut (30) to release the elbow (14) from the fill-line mid section 2 (15). Refer to VIEW B and DET. H, Figure 406, sheets 1 and 2.
- (38) Loosen the nut (31) to release the elbow (14) from the overflow-line mid section 2 (11). Refer to VIEW B and DET. H, Figure 406, sheets 1 and 2.
- (39) Remove the sink cabinet (1) as follows (refer to Figure 407):
  - (a) Remove the waste container from the sink cabinet (1).

**CAUTION:** CAREFULLY HOLD THE SINK CABINET DURING THE REMOVAL PROCEDURES TO PREVENT DAMAGE TO IT AND TO THE POTABLE WATER LINES .

  - (b) Remove the screws (12), washers (13), and spacers (14) of the clamps (15) that attach the washbasin drain line to the sink cabinet (1). Refer to DET. B.
  - (c) Remove the screws (2) and washers (3) that attach the sink cabinet (1) to the toilet floor panel (18). Refer to VIEW C.
  - (d) Remove the screws (5) and washers (4) that attach the sink cabinet (1) to the toilet floor panel (18).



EMB145 - EMB135

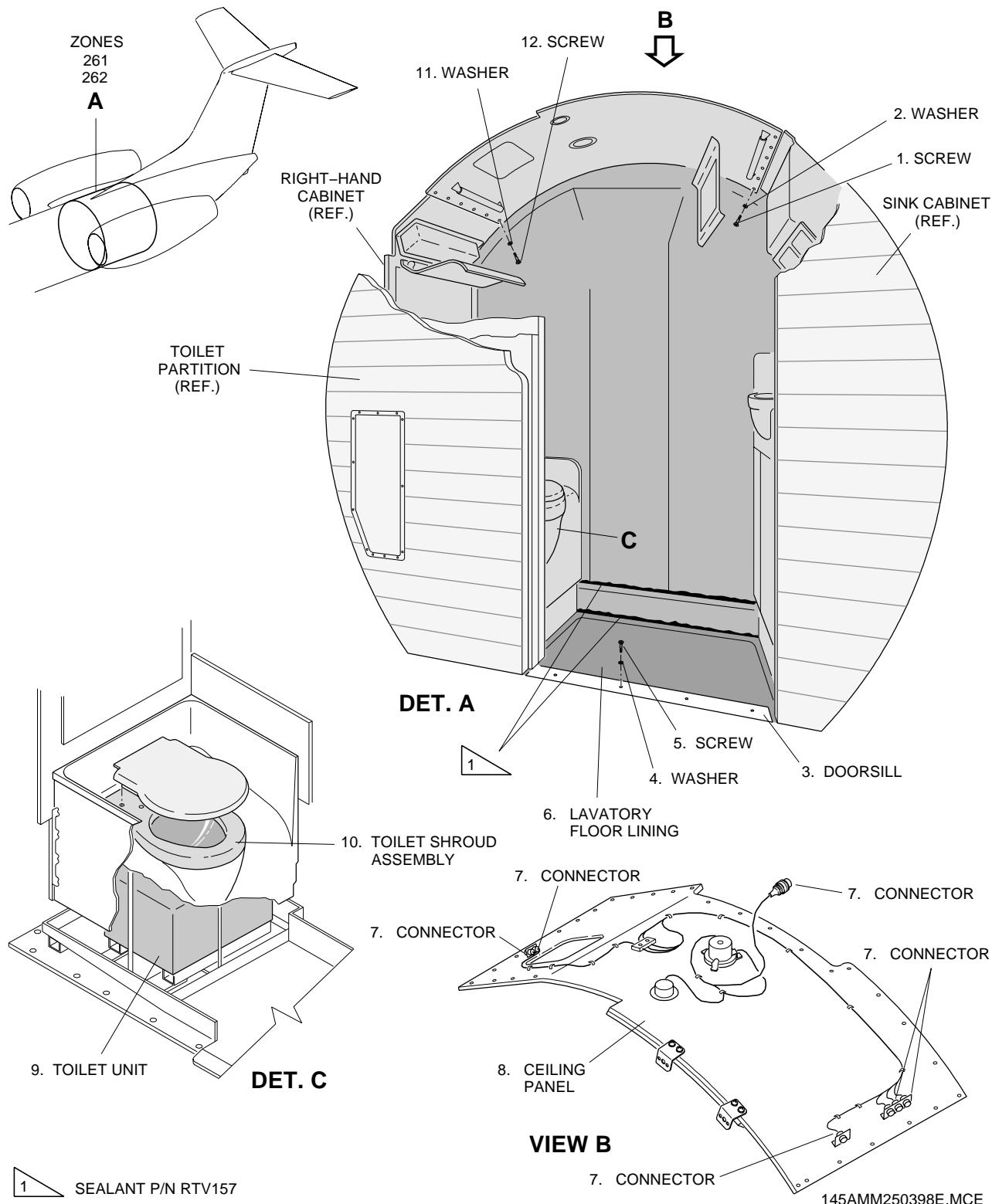
AIRCRAFT  
MAINTENANCE MANUAL

- (e) Remove the screws (7) and washers (6) that attach the sink cabinet (1) to the forward baggage compartment partition.
  - (f) Remove the screws (8) and washers (9) that attach the sink cabinet (1) to the forward baggage compartment partition.
  - (g) Remove the screws (10) and washers (11) that attach the sink cabinet (1) to the forward baggage compartment partition.
  - (h) Pull the sink cabinet (1) to remove it.
- (40) Remove the bolts (16) and washers (17) that attach the toilet floor panel (18) to the floor. Refer to VIEW C.
- (41) Remove the toilet floor panel (18). Refer to VIEW C.

**EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES ARE ATTACHED TO THE FORWARD  
BAGGAGE COMPARTMENT PARTITION**

Lavatory - Removal/Installation

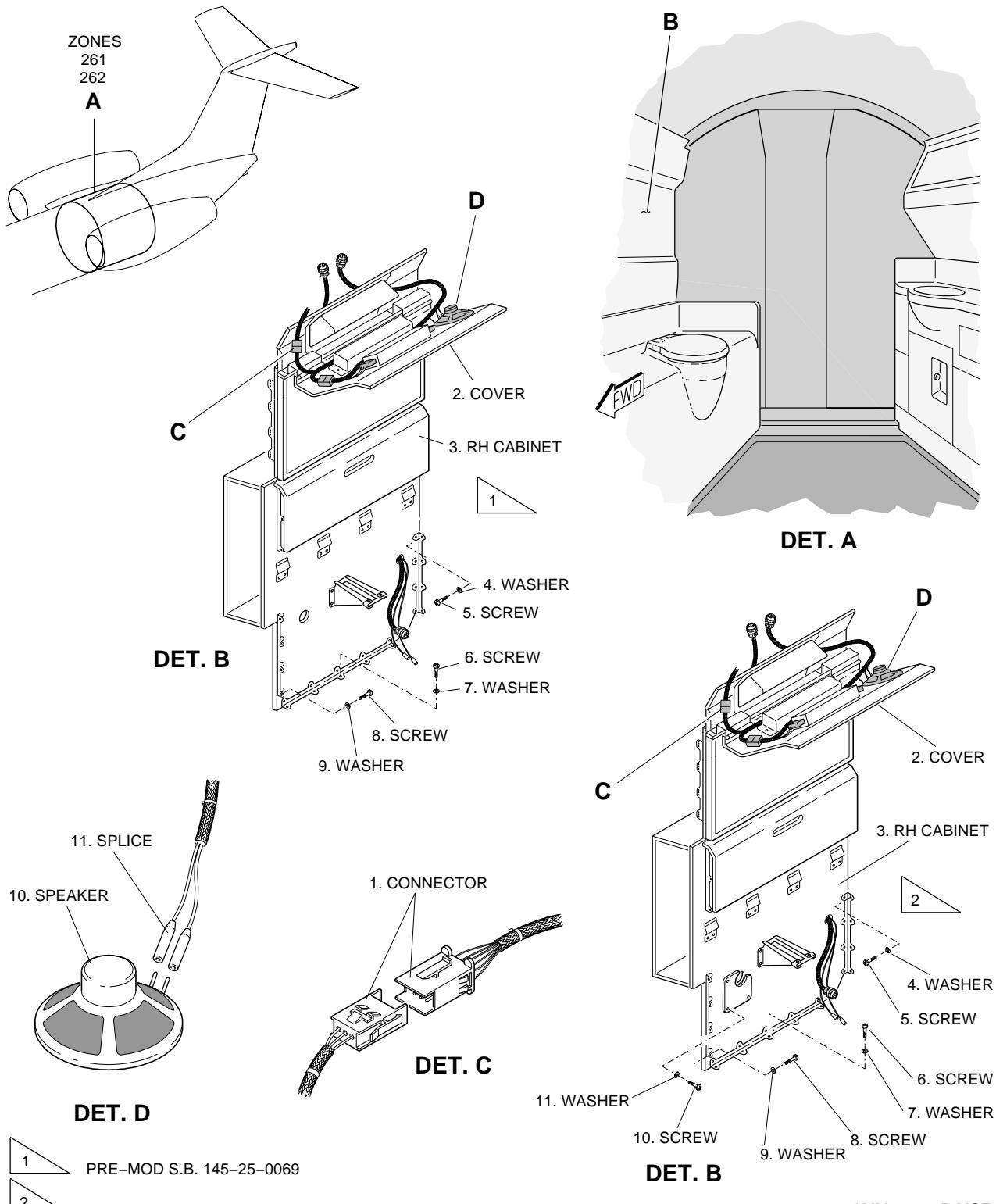
Figure 401



**EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES ARE ATTACHED TO THE FORWARD  
BAGGAGE COMPARTMENT PARTITION**

Lavatory - Removal/Installation

Figure 402



1 PRE-MOD S.B. 145-25-0069

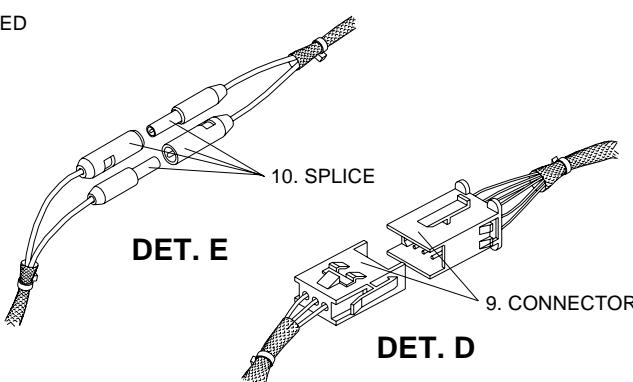
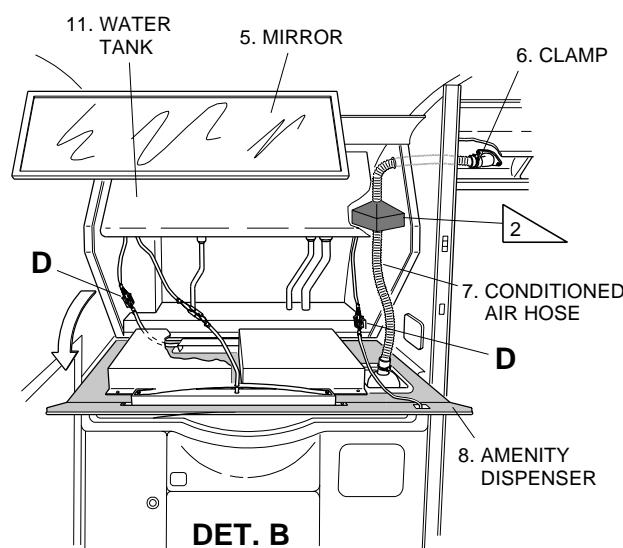
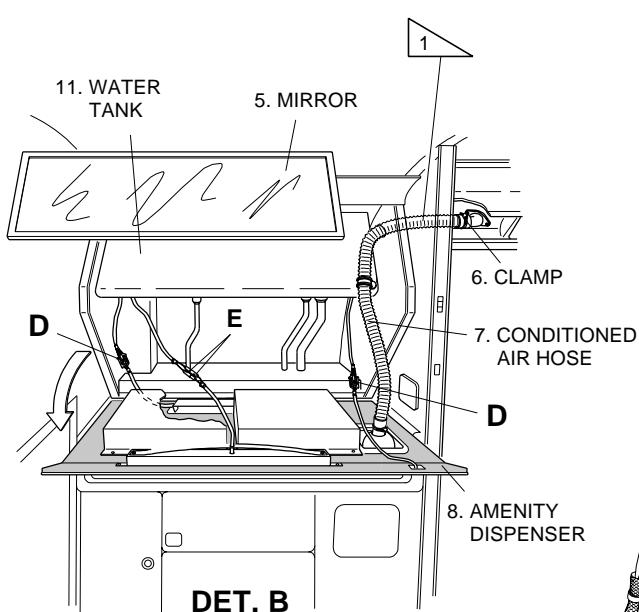
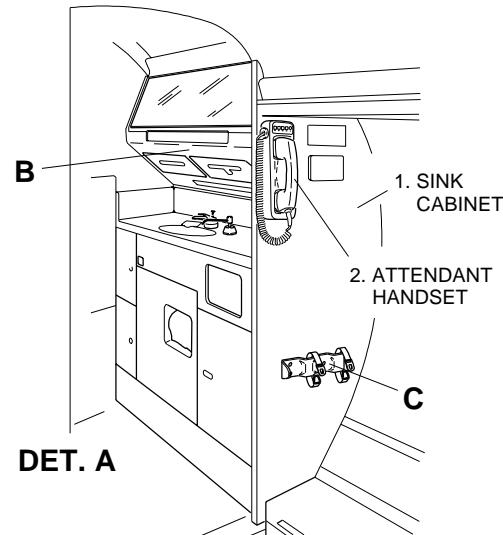
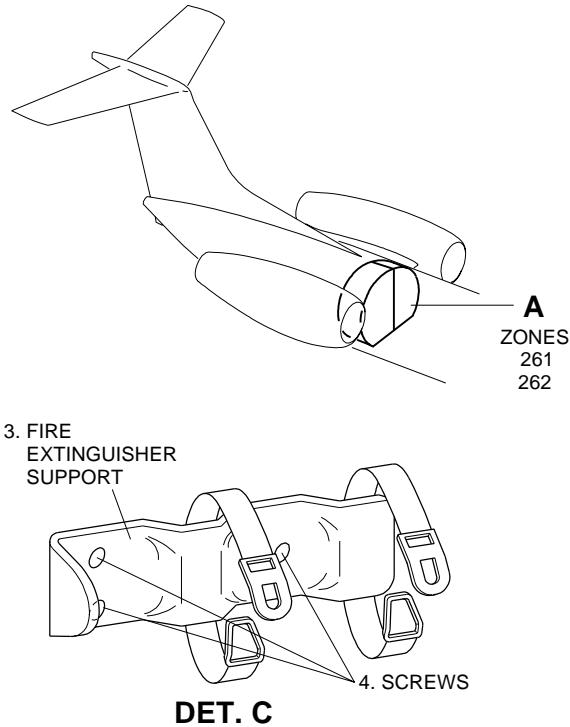
2 POST-MOD S.B. 145-25-0069

145AMM250395D.MCE

**EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES ARE ATTACHED TO THE FORWARD  
BAGGAGE COMPARTMENT PARTITION**

Lavatory - Removal/Installation

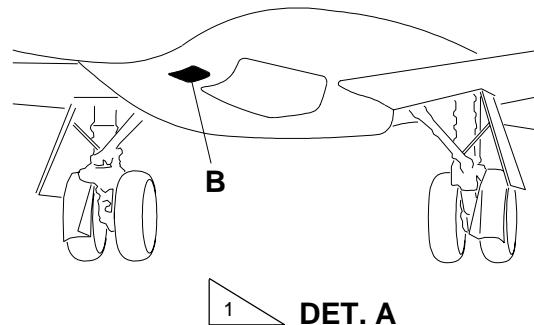
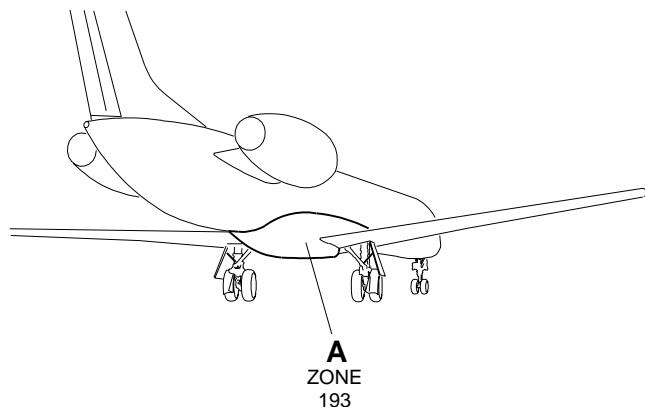
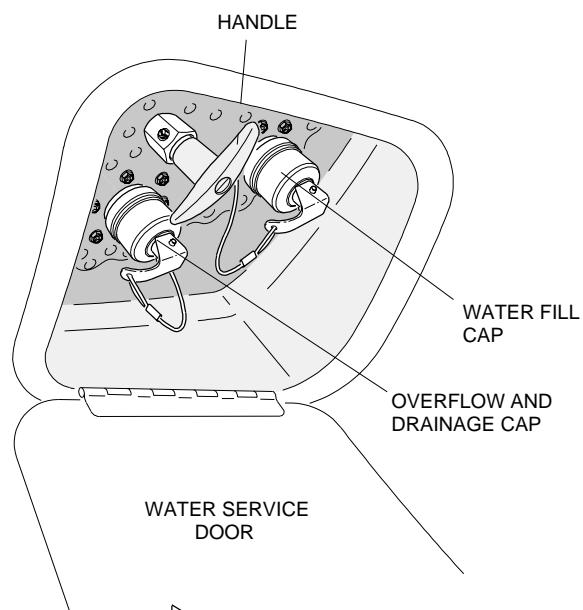
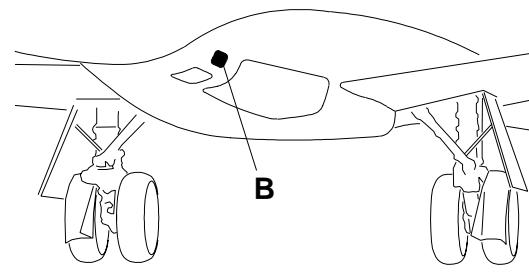
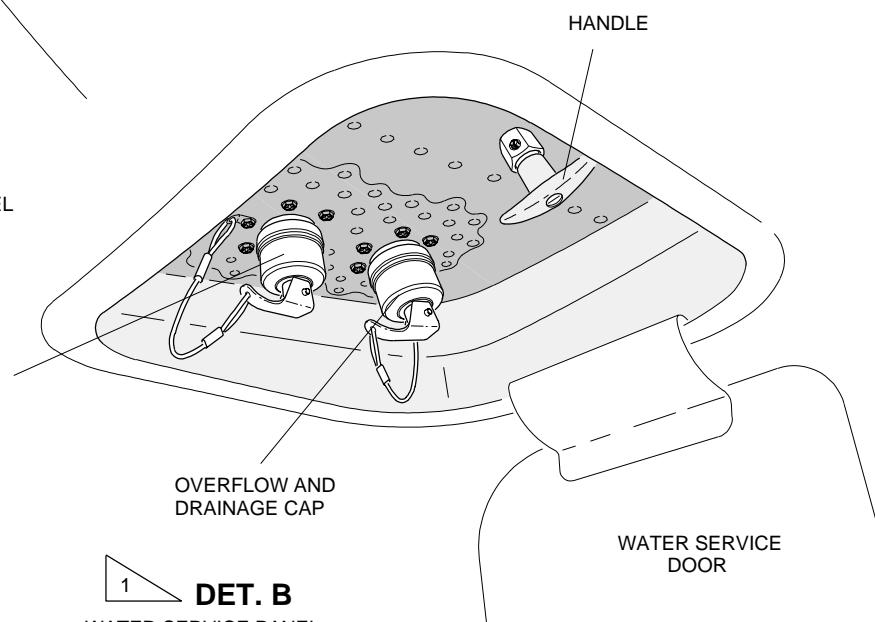
Figure 403



1 PRE-MOD S.B. 145-25-0250

2 POST-MOD S.B. 145-25-0250

EM145AMM253367A.DGN

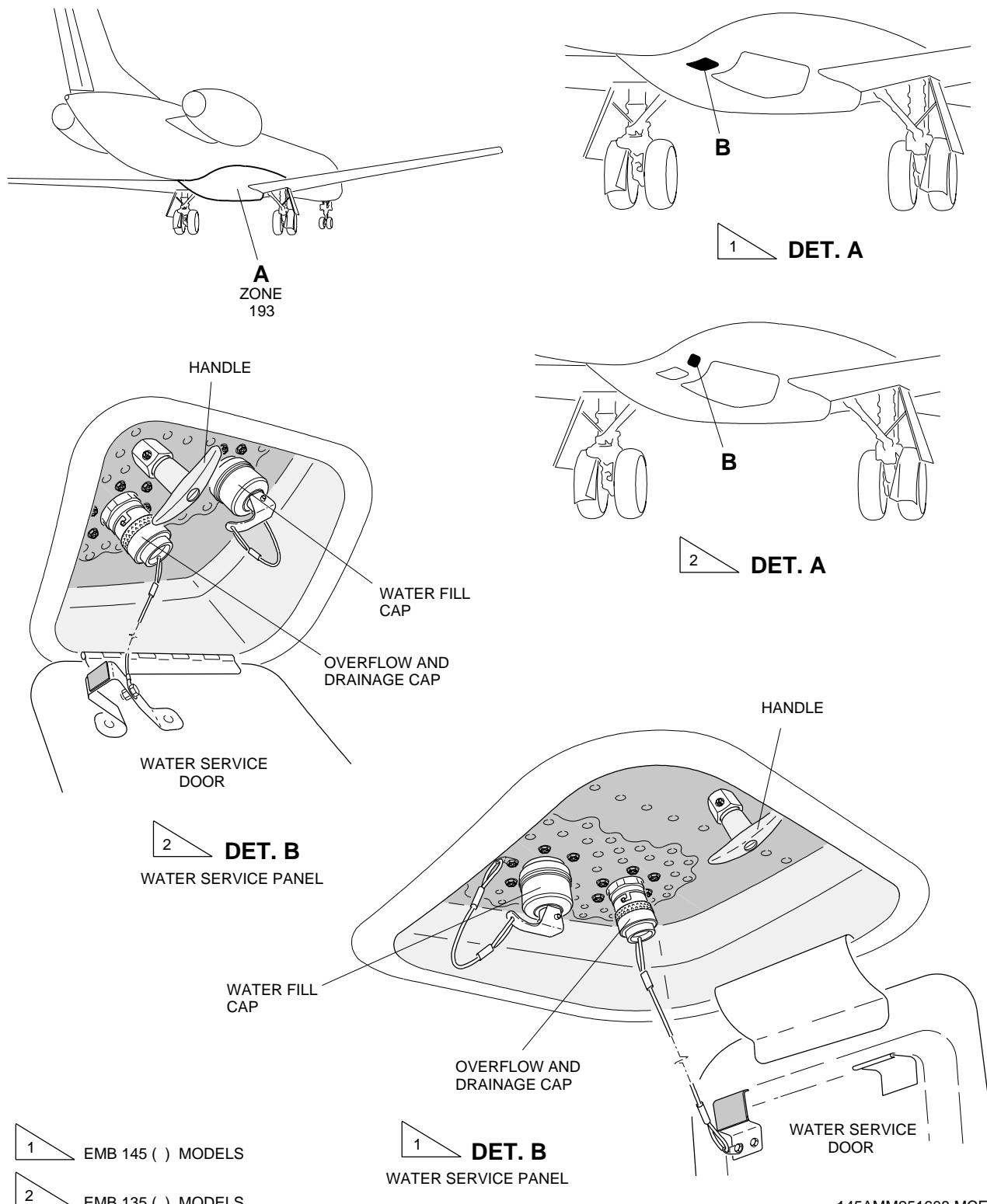
**EFFECTIVITY: PRE-MOD S.B. 145-38-0002**
**Lavatory - Removal/Installation**
**Figure 404**

**1 DET. A**

**2 DET. B**  
WATER SERVICE PANEL

**2 DET. A**

**1 EMB 145 ( ) MODELS**
**2 EMB 135 ( ) MODELS**
**1 DET. B**  
WATER SERVICE PANEL

**WATER SERVICE  
DOOR**
**145AMM251607.MCE**

**EFFECTIVITY: POST-MOD S.B. 145-38-0002**

Lavatory - Removal/Installation

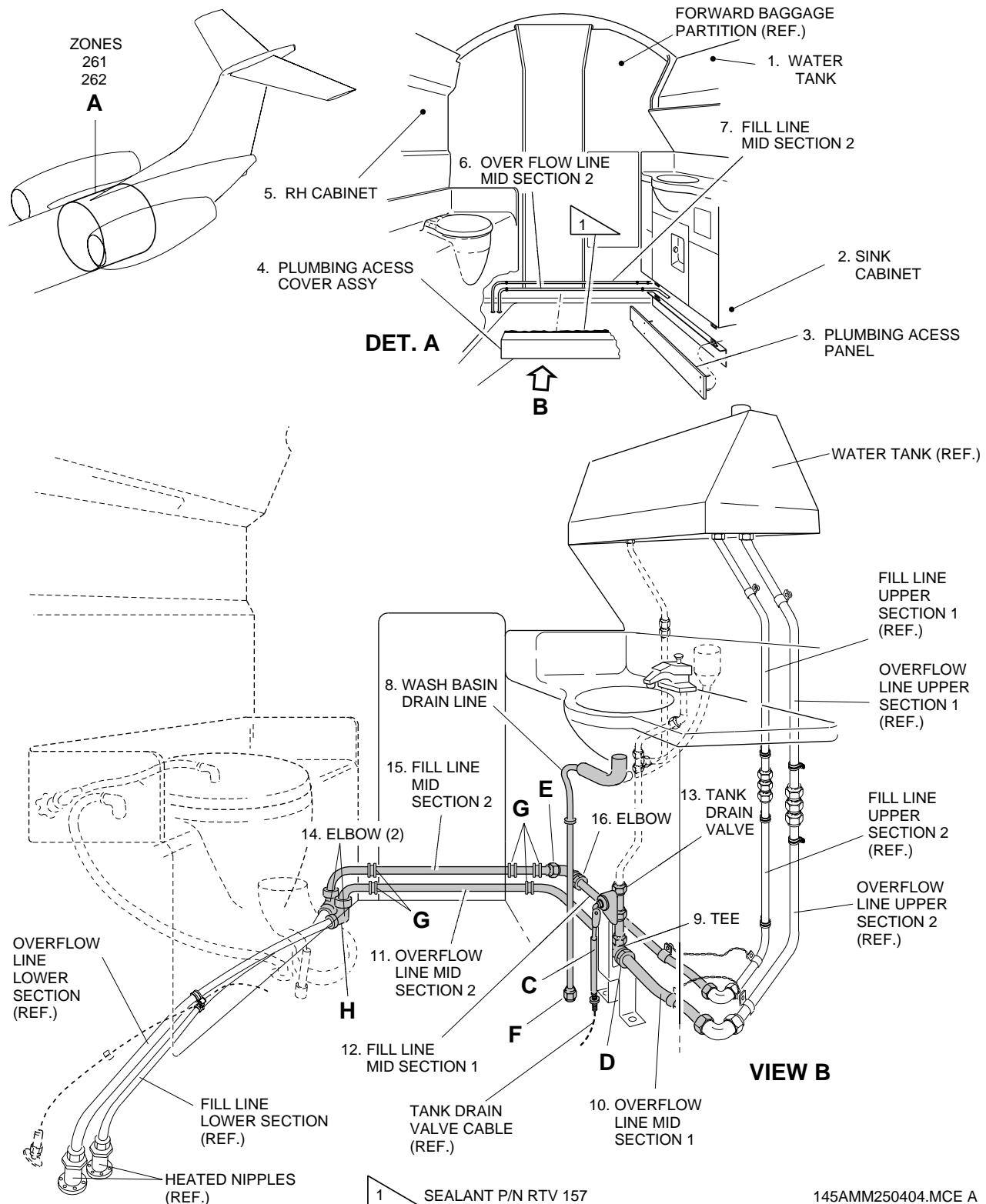
Figure 405



**EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES ARE ATTACHED TO THE FORWARD  
BAGGAGE COMPARTMENT PARTITION**

Lavatory - Removal/Installation

Figure 406 - Sheet 1

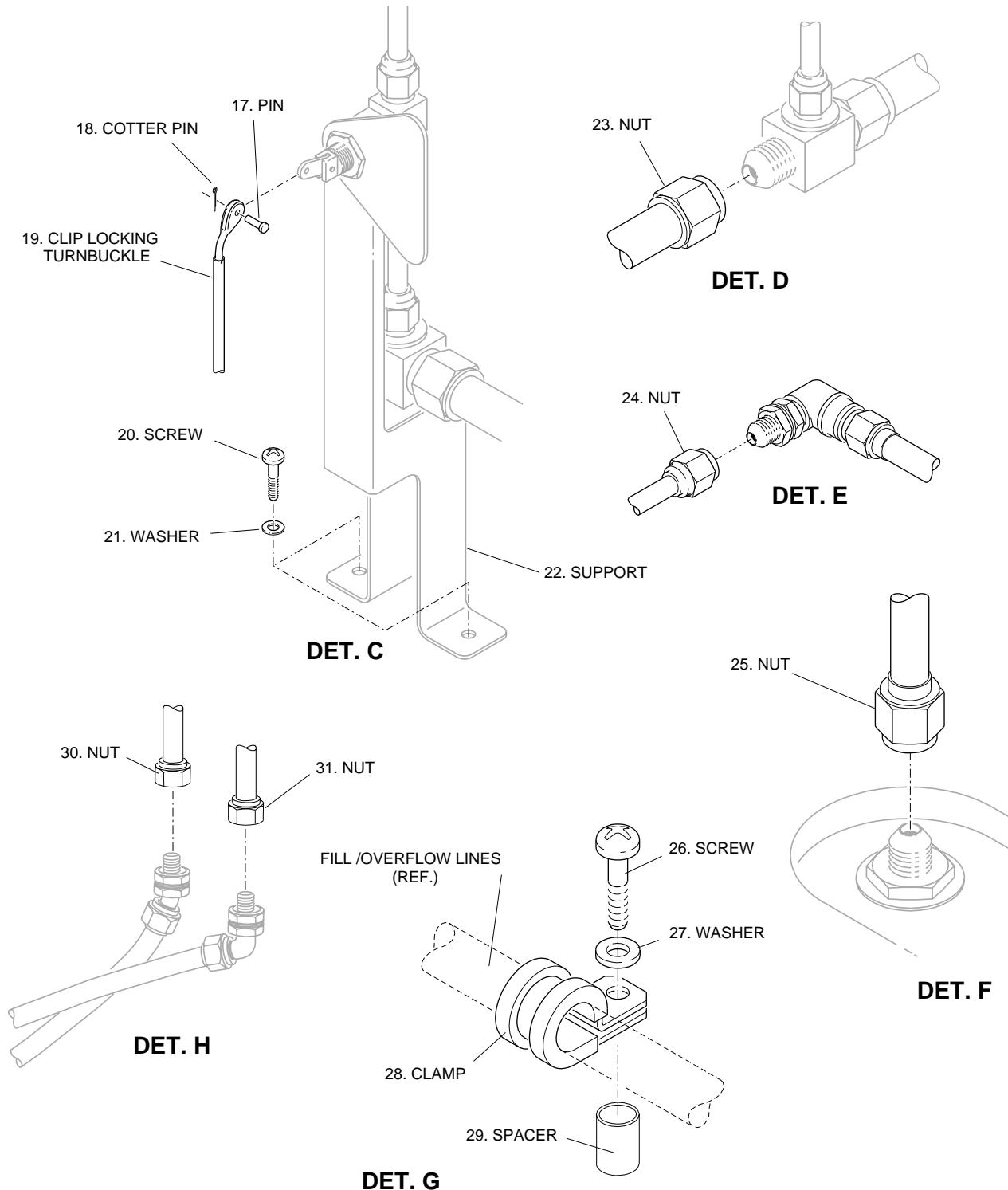


145AMM250404.MCE A

**EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES ARE ATTACHED TO THE FORWARD  
BAGGAGE COMPARTMENT PARTITION**

Lavatory - Removal/Installation

Figure 406 - Sheet 2

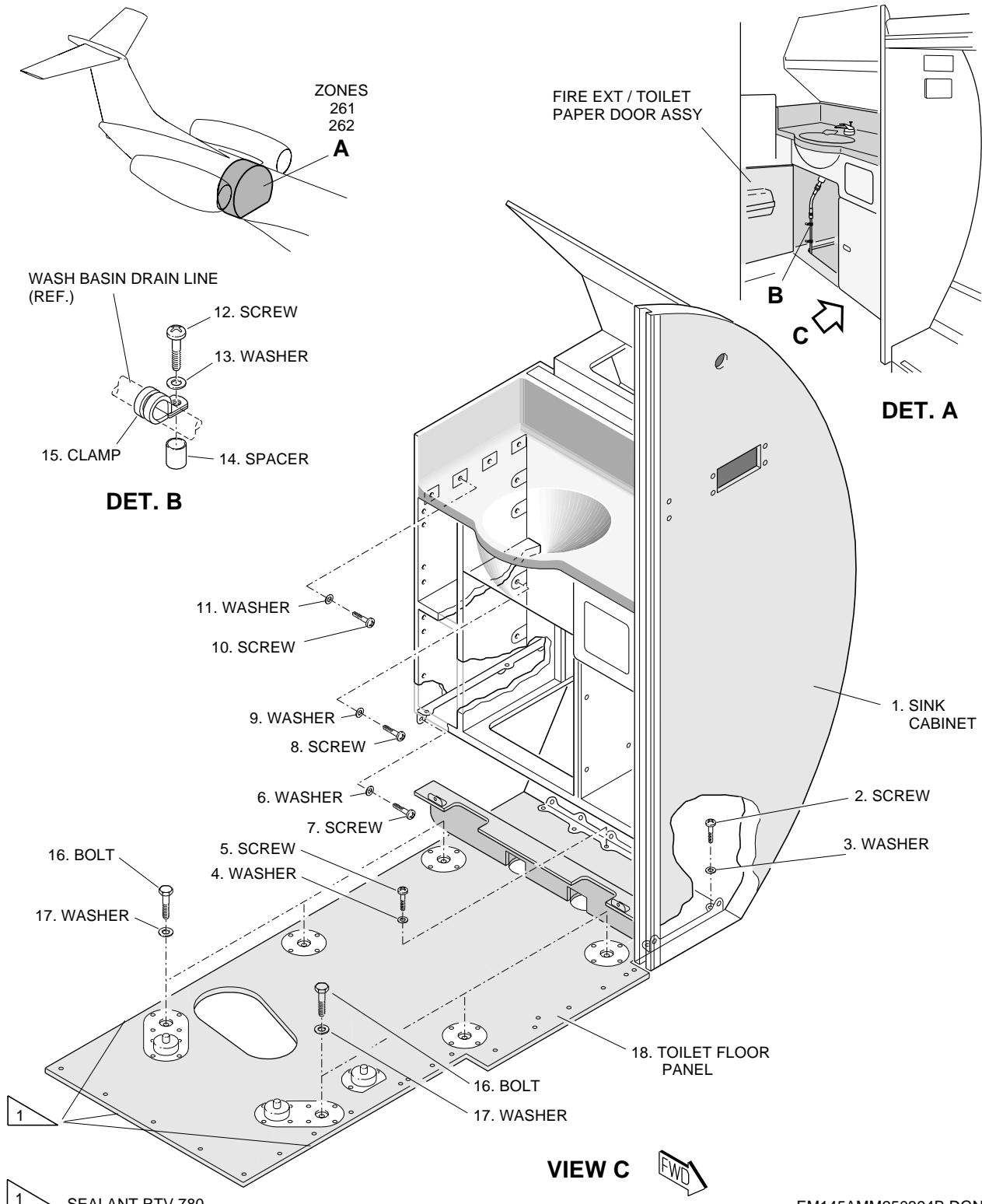


145AMM251605.MCE

**EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES ARE ATTACHED TO THE FORWARD  
BAGGAGE COMPARTMENT PARTITION**

Lavatory - Removal/Installation

Figure 407



EM145AMM250394B.DGN

**TASK 25-40-01-400-801-A**

*EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES ARE ATTACHED TO THE FORWARD BAGGAGE COMPARTMENT PARTITION*

**3. LAVATORY - INSTALLATION**
**A. General**

- (1) This task gives the procedures to install the lavatory.

**B. References**

REFERENCE	DESIGNATION
AMM TASK 12-15-01-600-801-A/300	WATER TANK - FILLING
AMM TASK 23-31-03-400-801-A/400	ATTENDANT HANDSET/CRADLE - INSTALLATION
AMM TASK 25-22-01-400-801-A/400	-
AMM TASK 25-22-01-400-802-A/400	-
AMM TASK 25-27-03-400-801-A/400	TOILET PARTITION - INSTALLATION
AMM TASK 25-40-04-400-801-A/400	TOILET SHROUD ASSEMBLY - INSTALLATION
AMM TASK 25-44-01-400-801-A/400	LAVATORY SLIDE DOOR - INSTALLATION
AMM TASK 25-44-01-400-802-A/400	LAVATORY BI-FOLD DOOR - INSTALLATION
AMM TASK 26-14-00-700-801-A/500	-
AMM TASK 26-14-00-700-802-A/500	-
AMM TASK 38-10-01-400-801-A/400	WATER TANK - INSTALLATION
AMM TASK 38-32-01-400-801-A/400	TOILET UNIT - INSTALLATION
S.B.145-25-0069	-
SRM 51-20-01	-

**C. Zones and Accesses**

Not Applicable

**D. Tools and Equipment**

Not Applicable

**E. Auxiliary Items**

Not Applicable

**F. Consumable Materials**

SPECIFICATION (BRAND)	DESCRIPTION	QTY
RTV157 (Gray)	Sealant	AR
RTV780 (Black)	Sealant	AR

**G. Expandable Parts**

Not Applicable

**H. Persons Recommended**

QTY	FUNCTION	PLACE
1	A - Does the task	Passenger cabin
1	B - Helps technician A	Passenger cabin

**I. Installation (Figure 401) (Figure 402) (Figure 403) (Figure 404) (Figure 405) (Figure 406) (Figure 407)**
**SUBTASK 420-013-B**

- (1) Fit the toilet floor panel (18) in the region of the lavatory. Refer to VIEW C, Figure 407.
- (2) **NOTE:** Do not tighten the bolts (16) and washers (17) fully to make the installation of the RH cabinet easier.

Install the toilet floor panel with the bolts (16) and washers (17).

**CAUTION: CAREFULLY HOLD THE SINK CABINET (1) DURING THE INSTALLATION PROCEDURES TO PREVENT DAMAGE TO IT AND TO THE POTABLE WATER LINES .**

- (3) Install the sink cabinet (1) as follows (refer to VIEW C, Figure 407):
  - (a) Put the sink cabinet (1) in its original position to make the installation:  
**NOTE:** To make the installation easier, do not fully tighten all the screws and washers that attach the sink cabinet (1).
  - (b) Install the sink cabinet (1) to the forward baggage compartment partition with screws (10) and washers (11).
  - (c) Install the sink cabinet (1) to the forward baggage compartment partition with screws (8) and washers (9).
  - (d) Install the sink cabinet (1) to the forward baggage compartment partition with screws (7) and washers (6).
  - (e) Install the sink cabinet (1) to the toilet floor panel (18) with screws (5) and washers (4).
  - (f) Install the sink cabinet (1) to the toilet floor panel (18) with screws (2) and washers (3).
  - (g) Tighten all the screws and washers that attach the sink cabinet (1).
  - (h) Put the waste container in the sink cabinet (1).

**CAUTION: TO MAKE THE INSTALLATION EASIER, MAKE SURE THAT THE SCREWS AND WASHERS THAT ATTACH THE WASHBASIN DRAIN LINE TO THE SINK CABINET ARE NOT TIGHTEN.**

- (4) Install the washbasin drain line (8) as follows:
  - (a) Tighten the nut (25) that attach the washbasin line (8). Refer to VIEW B and DET. F, Figure 406, sheets 1 and 2.

- (b) Tighten the screws (12), washers (13), and spacers (14) of the clamps (15) that attach the washbasin line to the sink cabinet (1). Refer to DET. B, Figure 407.
  - (5) Tighten the nut (31) to fit the elbow (14) to the overflow-line mid section 2 (11). Refer to VIEW B, DET. H, Figure 406, sheets 1 and 2.
  - (6) Tighten the nut (30) to fit the elbow (14) to fill-line mid section 2 (15). Refer to VIEW B, DET. H, Figure 406, sheets 1 and 2.
  - (7) Tighten the screws (26), washers (27), and spacers (29) of the clamps (28) that attach the fill-line mid section 2 (15) and overflow-line mid section 2 (11) to the forward baggage partition. Refer to VIEW B, DET. G, Figure 406, sheets 1 and 2.
  - (8) Tighten the nut (24) to fit the elbow (16) to the fill-line mid section 2 (15). Refer to VIEW B, DET. E, Figure 406, sheets 1 and 2.
  - (9) Tighten the nut (23) to fit the tee (9) to the overflow-line mid section 2 (11). Refer to VIEW B, DET. D, Figure 406, sheets 1 and 2.
  - (10) Install the tank drain valve (13) as follows:
    - (a) Tighten the screws (20) and washers (21) that attach the support (22) to the toilet floor panel. Refer to DET. C, Figure 406, sheet 2.
- CAUTION: MAKE SURE THAT THE CLIP LOCKING TURNBUCKLE (19) IS INSTALLED IN THE POSITION THAT SHOWS "CLOSE".**
- (b) Install clip locking turnbuckle (19) with the cotter pin (18) and pin (17). Refer to DET. C, Figure 406, sheet 2.
- (11) Fit the plumbing access panel (3) to the sink cabinet (2). Refer to DET. A, Figure 406, sheet 1.
  - (12) Fit the plumbing access cover assembly (4) to the forward baggage partition. Refer to DET. A, Figure 406, sheet 1.
  - (13) Apply the sealant around the plumbing access cover assembly (4) (SRM 51-20-01). Refer to DET. A, Figure 406, sheet 1.
  - (14) Install the water tank (1) ([AMM TASK 38-10-01-400-801-A/400](#)). Refer to DET. A, Figure 406, sheet 1.

**CAUTION: MAKE SURE THAT THE TANK DRAIN VALVE (13) IN THE SINK CABINET IS IN THE "CLOSE POSITION".**

- (15) Fill the water tank ([AMM TASK 12-15-01-600-801-A/300](#)).
- (16) Attach the clamp (6) on the conditioned air hose (7). Refer to DET. B, Figure 403.

**CAUTION: SEE THEIR IDENTIFICATION TO MAKE SURE THAT THE ELECTRICAL CONNECTORS ARE INSTALLED CORRECTLY. INCORRECT INSTALLATION OF THE CONNECTORS WILL CAUSE SERIOUS PROBLEMS TO THE AIRCRAFT.**

- (17) Connect the connectors (9) to the amenity dispenser (8) and to the ballast. Refer to DET. D, Figure 403.

- (18) Connect the splice (10) to the amenity dispenser (8). Refer to DET. E, Figure 403.
- (19) Install the amenity dispenser (8) on the sink cabinet (1). Refer to DET. B, Figure 403.
- (20) Install the mirror (5) on the sink cabinet (1). Refer to DET. B, Figure 403.
- (21) If you removed it, install the fire extinguisher support (3) back with screws (4) from the sink cabinet (1). Refer to DET. C, Figure 403.
- (22) Install the attendant handset (2) ([AMM TASK 23-31-03-400-801-A/400](#)). Refer to DET. A, Figure 403.
- (23) Install the RH cabinet (3) as follows (refer to DET. B, Figure 402):
  - (a) **NOTE:** If necessary, adjust the position of the toilet floor panel to make the installation of the RH cabinet (3) easier.  
Tighten the screws (6) and the washers (7) at the toilet floor panel. Refer to DET. B, Figure 402.
  - (b) Tighten the screws (5) and the washers (4) at the forward baggage compartment partition. Refer to DET. B, Figure 402.
  - (c) Tighten the screws (8) and the washers (9) at the toilet partition. Refer to DET. B, Figure 402.
  - (d) Fully tighten the bolts (16) and washers (17) that attach the toilet floor panel (18). Refer to VIEW B, Figure 407.
  - (e) For aircraft POST-MOD. [S.B.145-25-0069](#), tighten the screws (10) and washers (11) at the RH cabinet (3). Refer to DET. B, Figure 402.
  - (f) Connect the splice (11) in the speaker (10) to the cover (2). Refer to DET. D, Figure 402.

**CAUTION: SEE ITS IDENTIFICATION TO MAKE SURE THAT THE ELECTRICAL CONNECTOR IS INSTALLED CORRECTLY, INCORRECT INSTALLATION OF THE CONNECTOR WILL CAUSE SERIOUS PROBLEMS TO THE AIRCRAFT.**

- (g) Connect the electrical connector (1) to the cover (2). Refer to DET. C, Figure 402.
- (h) Close the cover (2).

- (24) Install the ceiling panel (8) as follows (refer to VIEW B, Figure 401):

**CAUTION: CAREFULLY HOLD THE CEILING PANEL DURING THE INSTALLATION PROCEDURES.**

- (a) Put the ceiling panel (8) in its original position:

**CAUTION: SEE THEIR IDENTIFICATION TO MAKE SURE THAT THE ELECTRICAL CONNECTORS ARE INSTALLED CORRECTLY. INCORRECT INSTALLATION OF THE CONNECTORS WILL CAUSE SERIOUS PROBLEMS TO THE AIRCRAFT.**

- (b) Connect the electrical connectors (7). Refer to VIEW B, Figure 401.



(c) Install the ceiling panel (8) with the screws (12) and washers (11) at the right-hand cabinet. Refer to DET. A, Figure 401.

(d) Install the ceiling panel (8) with the screws (1) and washers (2) at the sink cabinet. Refer to DET. A, Figure 401.

NOTE: Do not apply sealant around the ceiling panel (8).

(25) Install the toilet partition [AMM TASK 25-27-03-400-801-A/400](#).

(26) Install the lavatory floor lining (6). Refer to DET. A, Figure 401.

(27) Install the toilet unit (9). Refer to DET. C, Figure 401 [AMM TASK 38-32-01-400-801-A/400](#).

(28) Install the toilet shroud (10). Refer to DET. C, Figure 401 [AMM TASK 25-40-04-400-801-A/400](#).

(29) Install the screws (5) and the washers (4) to the doorsill (3). Refer to DET. A, Figure 401.

(30) Install the lavatory door [AMM TASK 25-44-01-400-801-A/400](#) or [AMM TASK 25-44-01-400-802-A/400](#), as applicable.

(31) Apply the sealant around the lavatory floor lining (6) (SRM 51-20-01). Refer to DET. A, Figure 401.

J. Follow-on

*SUBTASK 842-010-B*

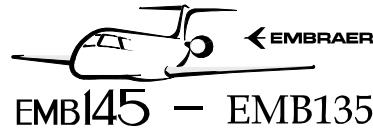
(1) Remove the DO-NOT-CLOSE tag and close the SMOKE DET circuit breaker.

(2) Remove the DO-NOT-TURN-ON tag from the FSTN BELTS switch and set it to the ARM position.

(3) Do an operational check of the lavatory smoke detection system (AMM TASK 26-14-00-700-801-A/500 or AMM TASK 26-14-00-700-802-A/500, as applicable).

(4) Install LH PSU structure module VII (AMM TASK 25-22-01-400-801-A/400 or AMM TASK 25-22-01-400-802-A/400, as applicable).

(5) If you removed it, install the fire extinguisher back to the support. Refer to DET A, Figure 401.



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 25-40-01-000-802-A

EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES GO BELOW THE FLOOR

4. LAVATORY - REMOVAL

A. General

(1) This task gives the procedures to remove the lavatory.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 23-31-03-000-801-A/400</a>	ATTENDANT HANDSET/CRADLE - REMOVAL
AMM TASK 25-22-01-000-801-A/400	-
AMM TASK 25-27-03-000-803-A/400	-
<a href="#">AMM TASK 25-40-04-000-801-A/400</a>	TOILET SHROUD ASSEMBLY - REMOVAL
<a href="#">AMM TASK 25-44-01-000-801-A/400</a>	LAVATORY SLIDE DOOR - REMOVAL
<a href="#">AMM TASK 25-44-01-000-802-A/400</a>	LAVATORY BI-FOLD DOOR - REMOVAL
<a href="#">AMM TASK 38-10-01-000-801-A/400</a>	WATER TANK - REMOVAL
<a href="#">AMM TASK 38-32-01-000-801-A/400</a>	TOILET UNIT - REMOVAL
S.B.145-25-0069	-
S.B.145-38-0002	-
SRM 51-20-01/1	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193MR	Wing-to-Fuselage Fairing

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	A - Does the task	Passenger cabin/lavatory
1	B - Helps technician A	Passenger cabin/lavatory

I. Preparation

**SUBTASK 841-014-A**

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Make sure that the lavatory is empty.
- (3) On the overhead panel, set the FSTN BELTS switch to the OFF position and attach a DO-NOT-TURN-ON tag to it.
- (4) On the circuit breaker panel, open the SMOKE DET circuit breaker (Location tip: DC BUS1/LAVATORY/SMOKE DET).
- (5) Remove LH PSU structure module VII (AMM TASK 25-22-01-000-801-A/400).
- (6) Remove the fire extinguisher from the support in the sink cabinet, if applicable.

J. Removal [\(Figure 408\)](#) [\(Figure 409\)](#) [\(Figure 410\)](#) [\(Figure 411\)](#) [\(Figure 412\)](#) [\(Figure 413\)](#) [\(Figure 414\)](#)

**SUBTASK 020-014-A**

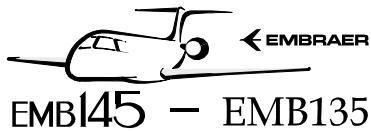
- (1) Remove the sealant from around the lavatory floor lining (6) (SRM 51-20-01/1). Refer to DET. A, Figure 408.
- (2) Remove the lavatory door [AMM TASK 25-44-01-000-801-A/400](#) or [AMM TASK 25-44-01-000-802-A/400](#), as applicable.
- (3) Remove the screws (5) and washers (4) from the doorsill (3). Refer to DET. A, Figure 408.
- (4) Remove the toilet shroud assembly (10) [AMM TASK 25-40-04-000-801-A/400](#). Refer to DET. C, Figure 408.
- (5) Remove the toilet unit (9) [AMM TASK 38-32-01-000-801-A/400](#). Refer to DET. C, Figure 408.
- (6) Remove the lavatory floor lining (6). Refer to DET. A, Figure 408.
- (7) Remove the toilet partition AMM TASK 25-27-03-000-803-A/400.
- (8) Remove the ceiling panel (8) as follows (refer to VIEW B, Figure 408):
  - (a) Remove the sealant from around the ceiling panel (8) (SRM 51-20-01/1), if applicable. Refer to DET. A, Figure 408.

**CAUTION: CAREFULLY HOLD THE CEILING PANEL DURING THE REMOVAL PROCEDURES.**

- (b) Remove the screws (1) and washers (2) that attach the ceiling panel (8) to the sink cabinet. Refer to DET. A, Figure 408.
- (c) Remove the screws (12) and washers (11) that attach the ceiling panel (8) to the right-hand cabinet. Refer to DET. A, Figure 408.
- (d) **NOTE:** If the electrical cables are without identification code, identify the electrical cable to make the reinstallation easier.

Disconnect the electrical connectors (7). Refer to VIEW B, Figure 408.

- (e) Remove the ceiling panel (8).
  - (9) Remove the RH cabinet (3) as follows (refer to DET. B, Figure 409):
    - (a) Carefully, open the cover (2).
    - (b) **NOTE:** If the electrical cables are without identification code, identify the electrical cable to make the reinstallation easier.  
Disconnect the electrical connector (1) from the cover (2). Refer to DET. C, Figure 409.
    - (c) Disconnect the splice (11) from the speaker (10). Refer to DET. D, Figure 409.
    - (d) For aircraft POST-MOD. [S.B.145-25-0069](#), remove the screws (8) and washers (9) to make the removal of the RH cabinet (3) easier. Refer to DET. B, Figure 409.
    - (e) Remove the screws (5) and washers (4) that attach the RH cabinet (3) at the forward baggage compartment partition. Refer to DET. B, Figure 409.
    - (f) Remove the screws (6) and washers (7) that attach the RH cabinet (3) at the toilet floor panel. Refer to DET. B, Figure 409.
  - (10) Remove the attendant handset (2) ([AMM TASK 23-31-03-000-801-A/400](#)). Refer to DET. A, Figure 410 .
  - (11) Remove the screws (4) that attach the fire extinguisher support (3) to the sink cabinet (1), if applicable. Refer to DET. C, Figure 410.
  - (12) Remove the mirror (5) from the water tank (11). Refer to DET. B, Figure 410.
  - (13) Release the amenity dispenser (8) from the sink cabinet (1). Refer to DET. B, Figure 410.
  - (14) Disconnect the splice (10) from the amenity dispenser (8). Refer to DET. E, Figure 410.
  - (15) **NOTE:** If the electrical cables are without identification code, identify the electrical cable to make the reinstallation easier.  
Disconnect the connectors (9) from the amenity dispenser (8) and from the ballast. Refer to DET. D, Figure 410.
  - (16) Loosen the clamp (6) that attaches the conditioned air hose (7). Refer to DET. B, Figure 410.
- CAUTION:** OPEN THE POTABLE WATER SERVICING DOOR CAREFULLY NOT TO CAUSE DAMAGE TO IT.
- (17) Open access door 193 MR (AMM MPP 06-41-01/100). Refer to DET. A.
- NOTE:** • Figure 411 is applicable to aircraft PRE-MOD [S.B.145-38-0002](#).



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

- Figure 412 is applicable to aircraft POST-MOD [S.B.145-38-0002](#).

**CAUTION:** MAKE SURE THAT THE MANUAL TANK DRAIN VALVE IN THE SINK CABINET IS IN THE CLOSE POSITION.

- (18) Remove the protection caps from the water filling nipple and from the water overflow nipple. Refer to DET. B.
- (19) Install the hose at the water overflow nipple. Refer to DET. B.
- (20) Pull the handle to the open position. Refer to DET. B.
- (21) In the sink cabinet, put the manual tank drain valve (10) in the OPEN position. Refer to VIEW B, Figure 413.
- (22) Drain the potable water system until the flow of water from the water overflow nipple stops. Refer to DET. B.
- (23) In the sink cabinet, put the manual tank drain valve (10) in the CLOSE position. Refer to VIEW B, Figure 413.
- (24) Push the handle to the closed position. Refer to DET. B.
- (25) Remove the hose from the water overflow nipple. Refer to DET. B.

**CAUTION:** LET ALL EXCESS WATER DRAIN OUT BEFORE YOU INSTALL THE PROTECTION CAPS.

- (26) Install the protection caps at the water filling nipple and water overflow nipple.

**CAUTION:** CLOSE THE POTABLE SERVICING DOOR CAREFULLY NOT TO CAUSE DAMAGE TO IT.

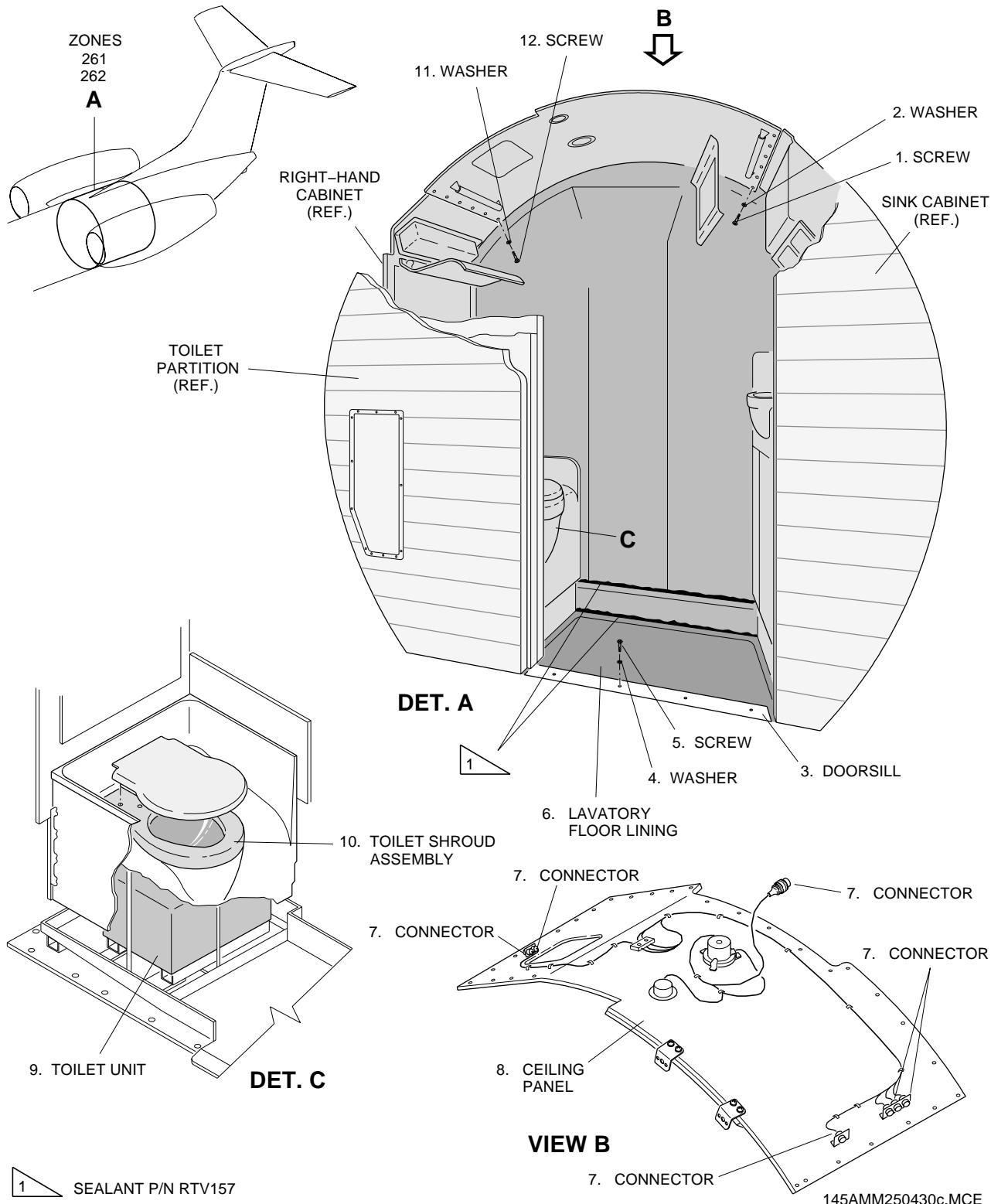
- (27) Close the access door 193 MR (AMM MPP 06-41-01/100).
- (28) Remove the water tank (1). Refer to DET. A, Figure 413 [AMM TASK 38-10-01-000-801-A/400](#).
- (29) Release the plumbing access panel (2) from the sink cabinet (3) to get access to the overflow-line lower section 1 (6) and fill-line lower section 1 (11). Refer to DET. A, Figure 413.
- (30) Loosen the tank drain valve (10) as follows (refer to VIEW B, Figure 413):

**CAUTION:** BEFORE THE REMOVAL, PUT A MARK TO MAKE SURE THAT THE CLIP LOCKING TURNBUCKLE (16) IS INSTALLED BACK IN THE WITH "CLOSE" POSITION.

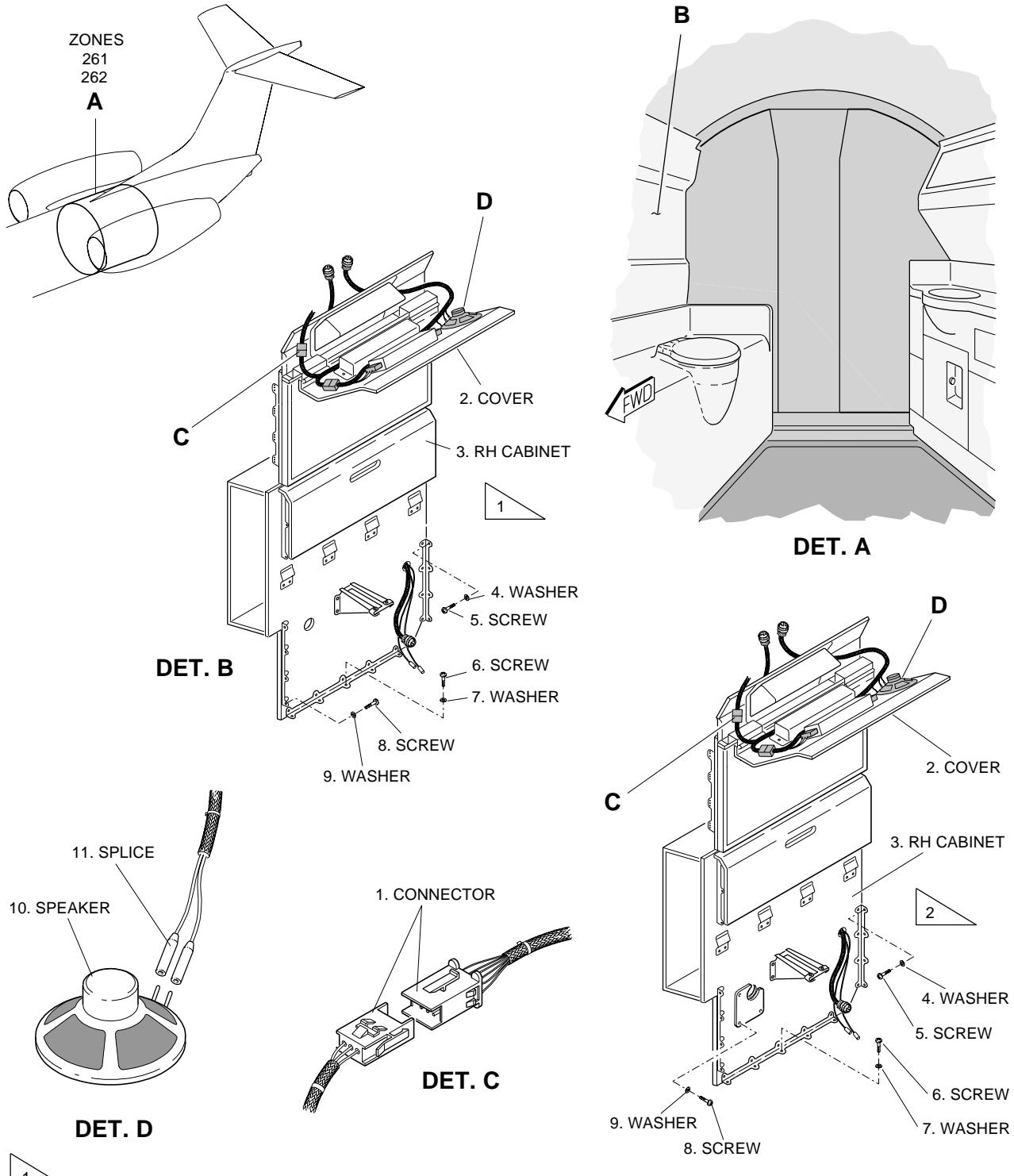
- (a) Remove the cotter pin (15) and pin (20) that attach the clip locking turnbuckle (16) to the tank drain valve cable. Refer to VIEW B and DET. C, Figure 413, sheets 1 and 2.
- (b) Remove the screws (17) and washers (18) that attach the support (19) to the toilet floor panel. Refer to DET. C, Figure 413, sheet 2.

- (31) Loosen the nut (21) to release the elbow (7) from the overflow-line lower section 1 (6). Refer to VIEW B and DET. D, Figure 413, sheets 1 and 2.
  - (32) Loosen the nut (22) to release the elbow (7) from the fill-line lower section 1 (12). Refer to VIEW B and DET. E, Figure 413, sheets 1 and 2.
  - (33) Loosen the nut (23) to release the washbasin drain line (11). Refer to VIEW B and DET. F, Figure 413, sheets 1 and 2.
  - (34) Remove the sink cabinet (1) as follows (refer to Figure 414):
    - (a) Remove the waste container from the sink cabinet (1).
- CAUTION:** CAREFULLY HOLD THE SINK CABINET DURING THE REMOVAL PROCEDURES TO PREVENT DAMAGE TO IT AND TO THE POTABLE WATER LINES .
- (b) Remove the screws (12), washers (13), and spacers (14) of the clamps (15) that attach the washbasin drain line to the sink cabinet (1). Refer to DET. B.
  - (c) Remove the screws (2) and washers (3) that attach the sink cabinet (1) to the toilet floor panel (18). Refer to VIEW C.
  - (d) Remove the screws (5) and washers (4) that attach the sink cabinet (1) to the toilet floor panel (18).
  - (e) Remove the screws (7) and washers (6) that attach the sink cabinet (1) to the forward baggage compartment partition.
  - (f) Remove the screws (8) and washers (9) that attach the sink cabinet (1) to the forward baggage compartment partition.
  - (g) Remove the screws (10) and washers (11) that attach the sink cabinet (1) to the forward baggage compartment partition.
  - (h) Pull the sink cabinet (1) to remove it.
- (35) Remove the bolts (16) and washers (17) that attach the toilet floor panel (18) to the lavatory. Refer to VIEW C.

**EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES GO BELOW THE FLOOR**  
**Lavatory - Removal/Installation**  
**Figure 408**



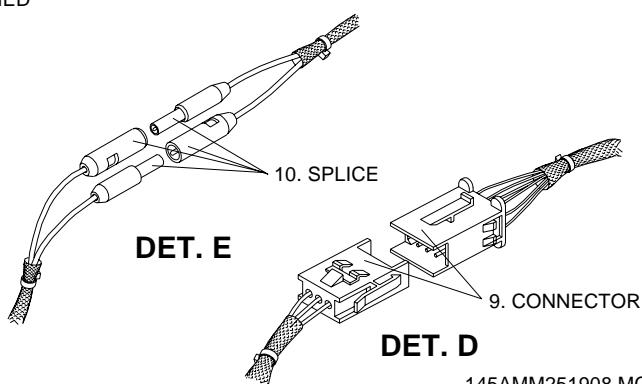
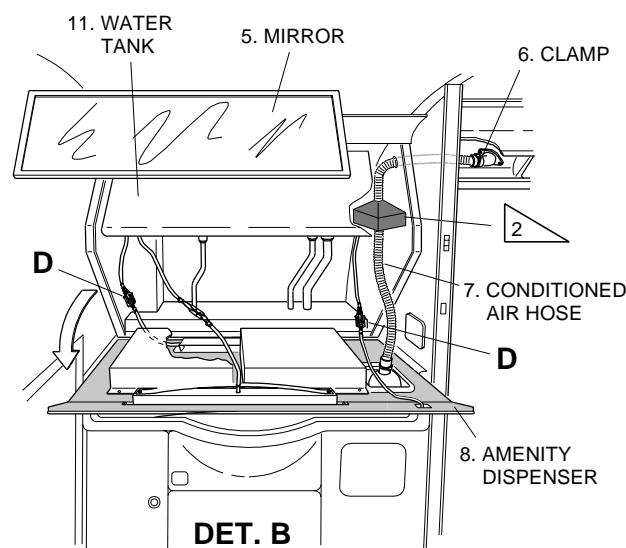
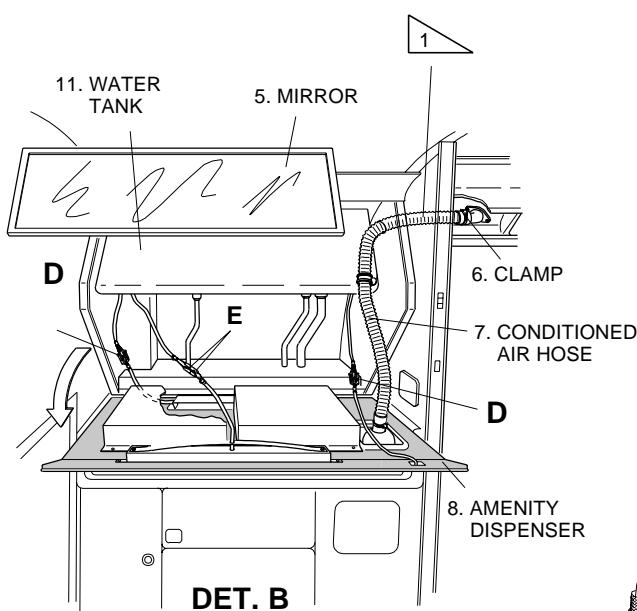
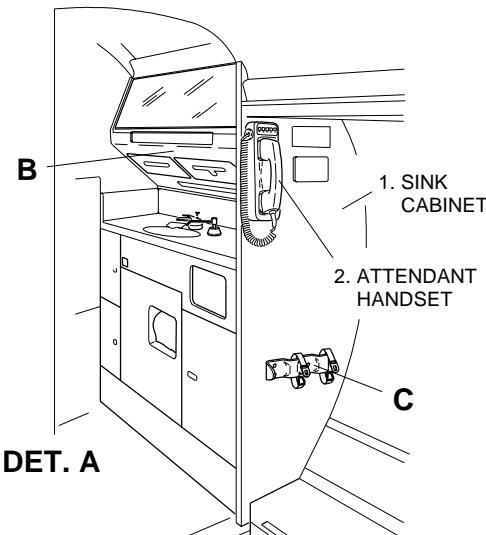
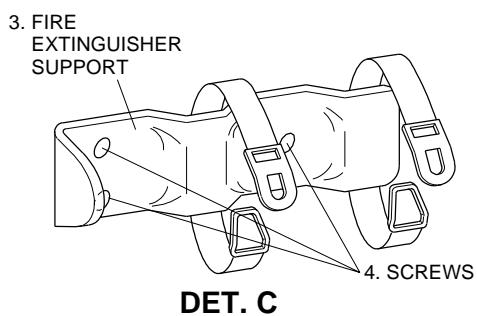
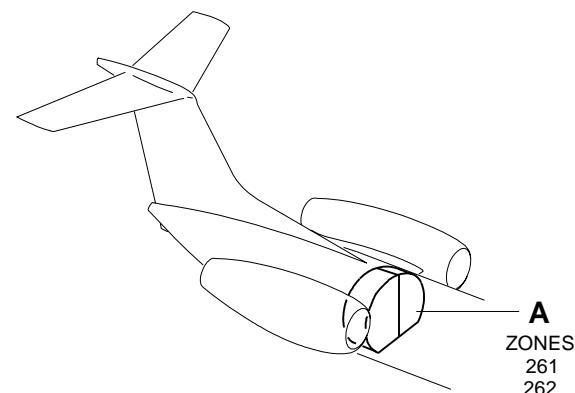
**EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES GO BELOW THE FLOOR**  
**Lavatory - Removal/Installation**  
**Figure 409**



**EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES GO BELOW THE FLOOR**

Lavatory - Removal/Installation

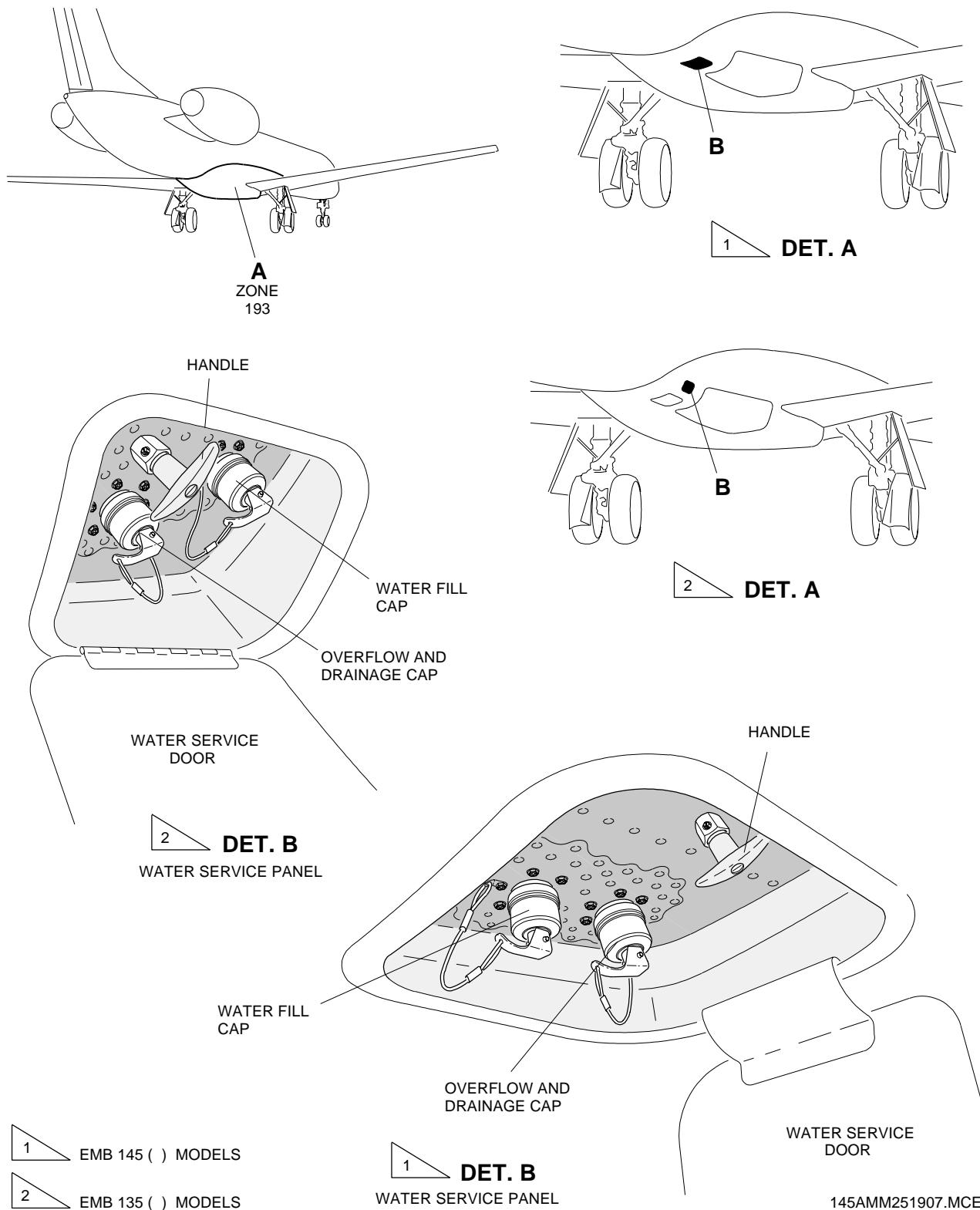
Figure 410



**1** PRE-MOD S.B. 145-25-0250

**2** POST-MOD S.B. 145-25-0250

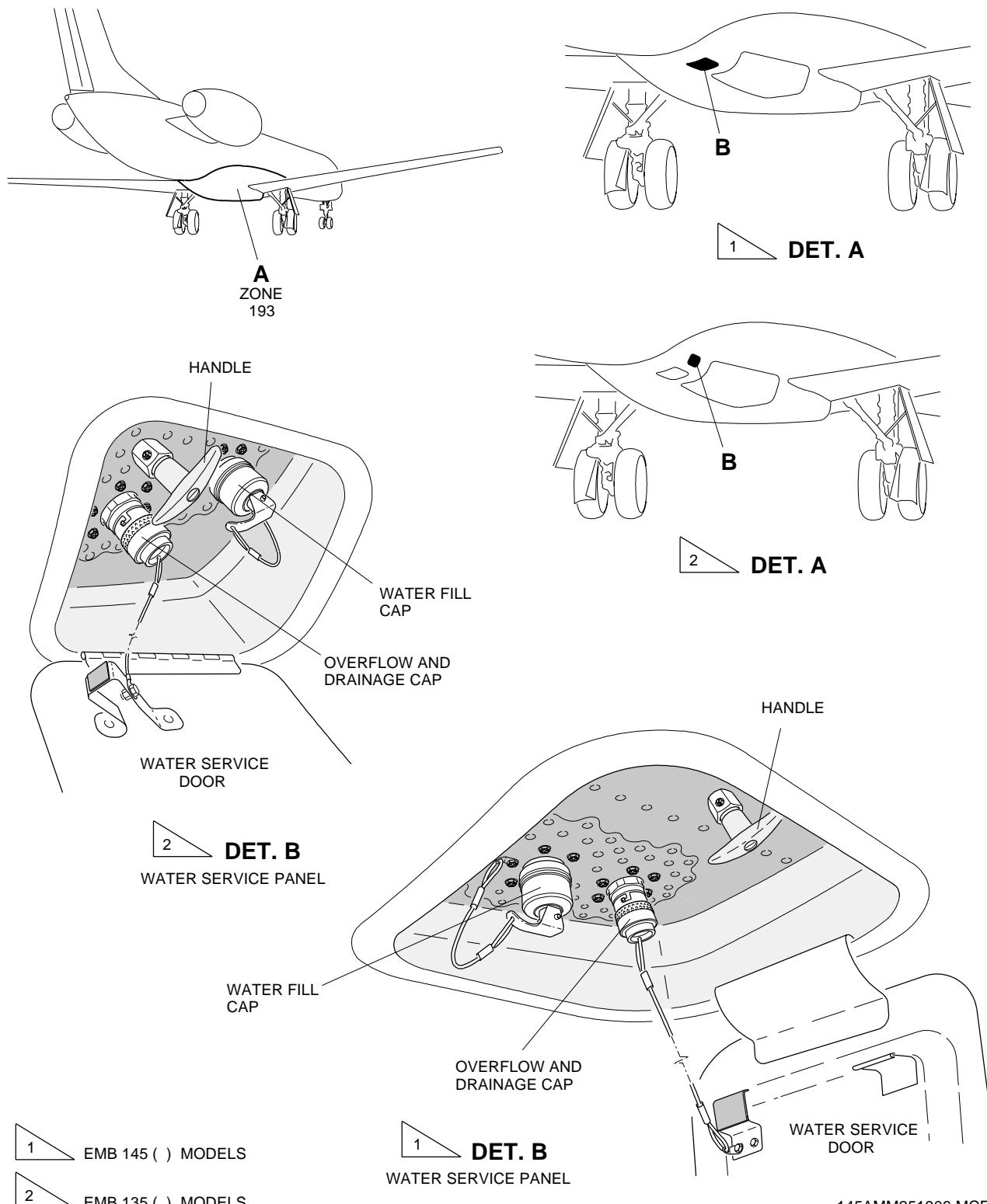
145AMM251908.MCE

**EFFECTIVITY: PRE-MOD S.B. 145-38-0002**
**Lavatory - Removal/Installation**
**Figure 411**


**EFFECTIVITY: POST-MOD S.B. 145-38-0002**

Lavatory - Removal/Installation

Figure 412

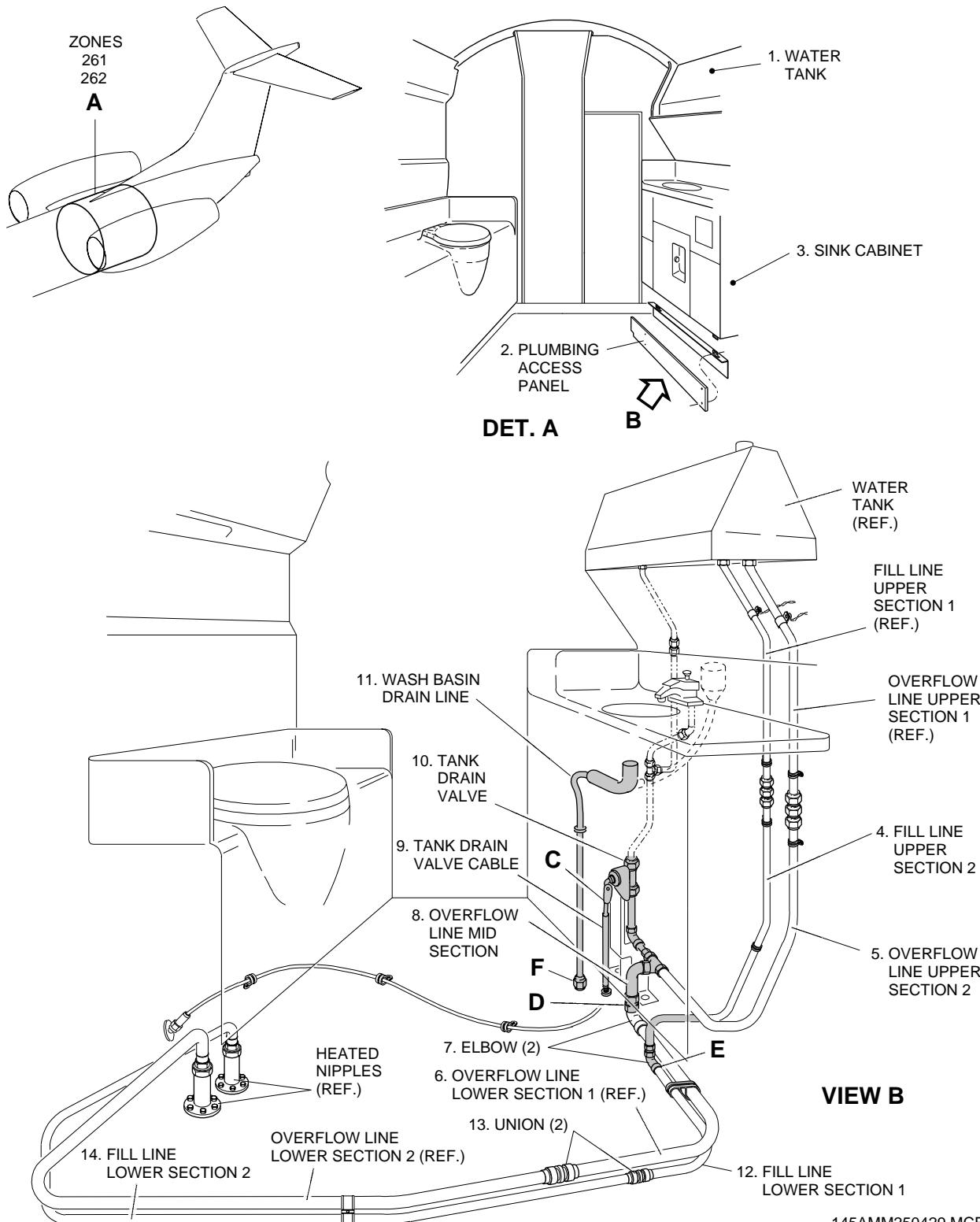


145AMM251906.MCE

**EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES GO BELOW THE FLOOR**

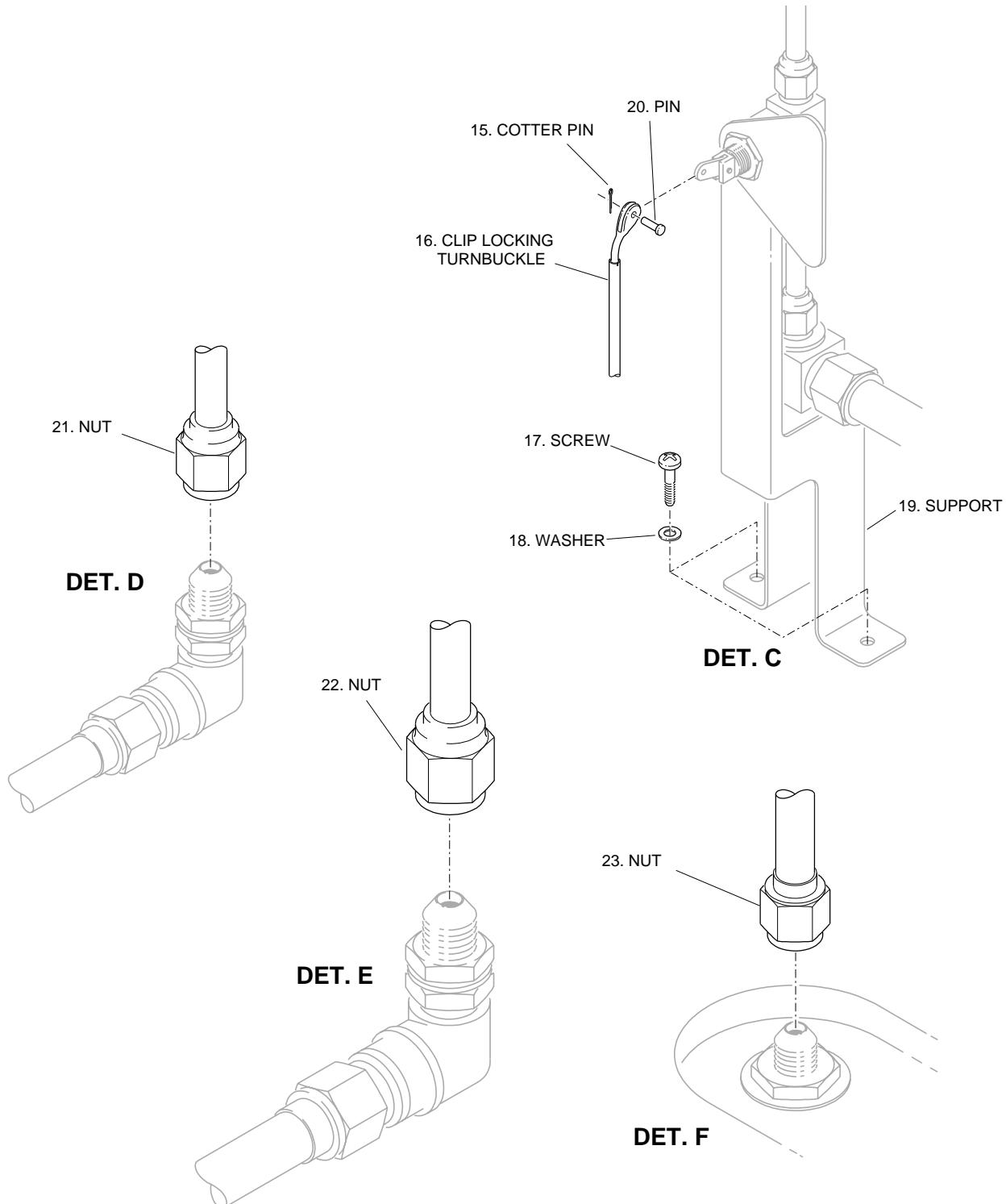
Lavatory - Removal/Installation

Figure 413 - Sheet 1



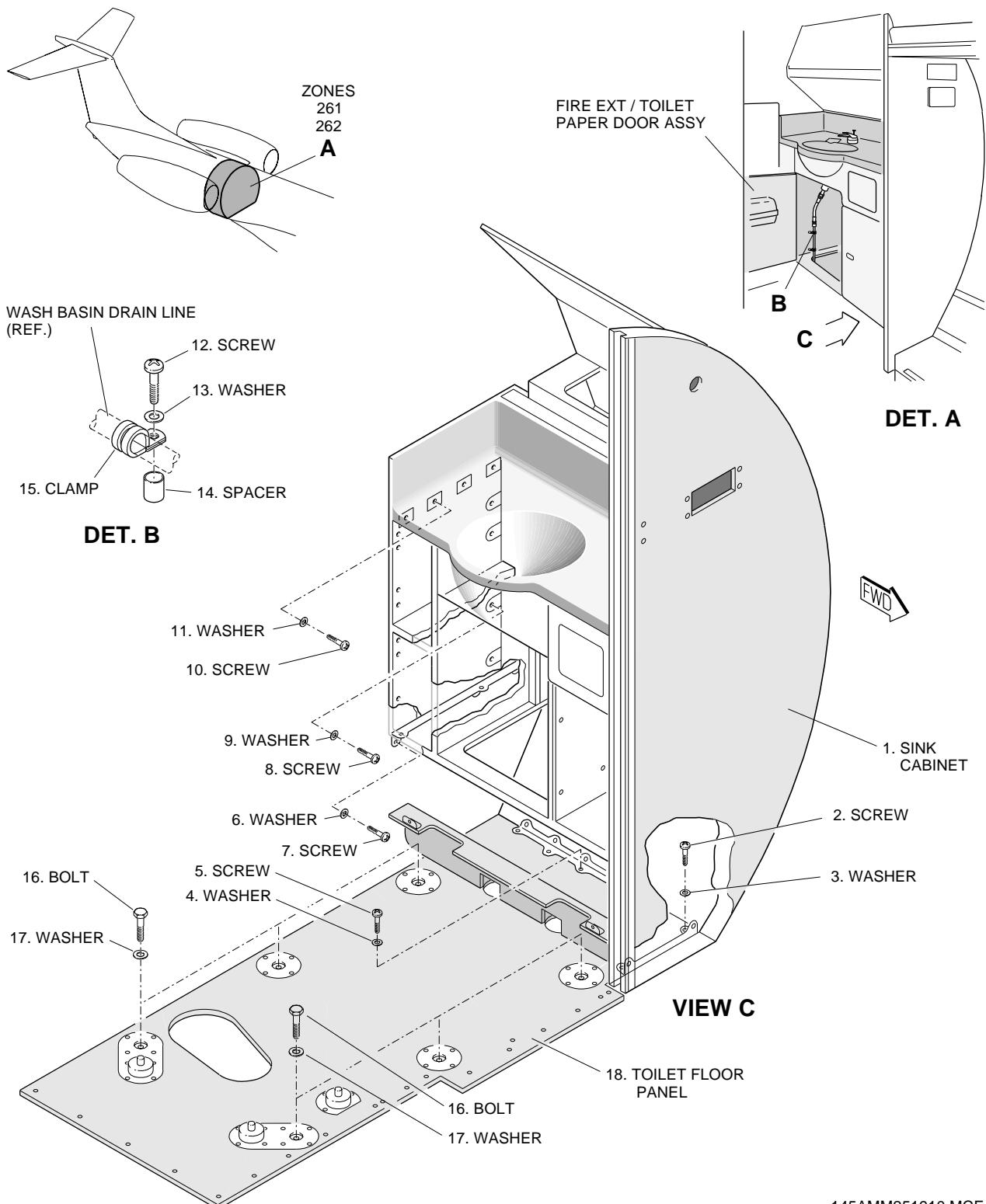
145AMM250429.MCE A

**EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES GO BELOW THE FLOOR**  
**Lavatory - Removal/Installation**  
**Figure 413 - Sheet 2**

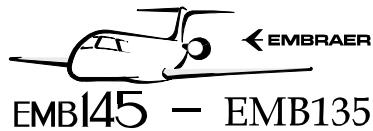


145AMM251604.MCE

**EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES GO BELOW THE FLOOR**  
**Lavatory - Removal/Installation**  
**Figure 414**



145AMM251910.MCE



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 25-40-01-400-802-A

EFFECTIVITY: AIRCRAFT WHOSE FILL/OVERFLOW LINES GO BELOW THE FLOOR

5. LAVATORY - INSTALLATION

A. General

(1) This task gives the procedures to install the lavatory.

B. References

REFERENCE	DESIGNATION
AMM TASK 12-15-01-600-801-A/300	WATER TANK - FILLING
AMM TASK 23-31-03-400-801-A/400	ATTENDANT HANDSET/CRADLE - INSTALLATION
AMM TASK 25-22-01-400-801-A/400	-
AMM TASK 25-27-03-400-801-A/400	TOILET PARTITION - INSTALLATION
AMM TASK 25-40-04-400-801-A/400	TOILET SHROUD ASSEMBLY - INSTALLATION
AMM TASK 25-44-01-400-801-A/400	LAVATORY SLIDE DOOR - INSTALLATION
AMM TASK 25-44-01-400-802-A/400	LAVATORY BI-FOLD DOOR - INSTALLATION
AMM TASK 26-14-00-700-801-A/500	-
AMM TASK 38-10-01-400-801-A/400	WATER TANK - INSTALLATION
AMM TASK 38-32-01-400-801-A/400	TOILET UNIT - INSTALLATION
S.B.145-25-0069	-
SRM 51-20-01	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

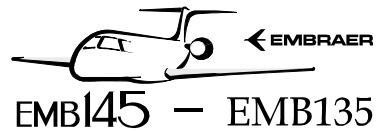
SPECIFICATION (BRAND)	DESCRIPTION	QTY
RTV157 (Gray)	Sealant	AR
RTV780 (Black)	Sealant	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	A - Does the task	Passenger cabin



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

(Continued)

QTY	FUNCTION	PLACE
1	B - Helps technician A	Passenger cabin

- I. Installation (Figure 408) (Figure 409) (Figure 410) (Figure 411) (Figure 412) (Figure 413) (Figure 414)

**SUBTASK 420-014-A**

- (1) Fit the toilet floor panel (18) in the region of the lavatory. Refer to VIEW C, Figure 414.
- (2) **NOTE:** Do not tighten the bolts (16) and washers (17) fully to make the installation of the RH cabinet easier.

Install the toilet floor panel with the bolts (16) and washers (17).

**CAUTION:** CAREFULLY HOLD THE SINK CABINET (1) DURING THE INSTALLATION PROCEDURES TO PREVENT DAMAGE TO IT AND TO THE POTABLE WATER LINES .

- (3) Install the sink cabinet (1) as follows (refer to VIEW C, Figure 414):
  - (a) Put the sink cabinet (1) in its original position to make the installation:  
**NOTE:** To make the installation, do not fully tighten all the screws and washers that attach the sink cabinet (1) easier.
  - (b) Install the sink cabinet (1) to the forward baggage compartment partition with screws (10) and washers (11).
  - (c) Install the sink cabinet (1) to the forward baggage compartment partition with screws (8) and washers (9).
  - (d) Install the sink cabinet (1) to the forward baggage compartment partition with screws (7) and washers (6).
  - (e) Install the sink cabinet (1) to the toilet floor panel (18) with screws (5) and washers (4).
  - (f) Install the sink cabinet (1) to the toilet floor panel (18) with screws (2) and washers (3).
  - (g) Tighten all the screws and washers that attach the sink cabinet (1).
  - (h) Put the waste container in the sink cabinet (1).

**CAUTION:** TO MAKE THE INSTALLATION EASIER, MAKE SURE THAT THE SCREWS AND WASHERS THAT ATTACH THE WASHBASIN DRAIN LINE TO THE SINK CABINET ARE NOT TIGHTEN.

- (4) Install the washbasin drain line (11) as follows:
  - (a) Tighten the nut (23) that attach the washbasin line (11). Refer to VIEW B and DET. F, Figure 413, sheets 1 and 2.

- (b) Tighten the screws (12), washers (13), and spacers (14) to the clamps (15) that attach the washbasin line to the sink cabinet (1). Refer to DET. B, Figure 414.
- (5) Tighten the nut (22) to fit the elbow (7) to fill-line lower section 1 (12). Refer to VIEW B, DET. E, Figure 413, sheets 1 and 2.
- (6) Tighten the nut (21) to fit the elbow (7) to the overflow-line lower section 1 (6). Refer to VIEW B, DET. D, Figure 413, sheets 1 and 2.
- (7) Install the tank drain valve (10) as follows:
  - (a) Tighten the screws (17) and washers (18) that attach the support (19) to the toilet floor panel. Refer to DET. C, Figure 413, sheet 2.

**CAUTION: MAKE SURE THAT THE CLIP LOCKING TURNBUCKLE (16) IS INSTALLED IN THE POSITION THAT SHOWS "CLOSE".**

- (b) Install clip locking turnbuckle (16) with the cotter pin (15) and pin (20). Refer to DET. C, Figure 413, sheet 2.
- (8) Fit the plumbing access panel (2) to the sink cabinet (2). Refer to DET. A, Figure 413, sheet 1.
- (9) Install the water tank (1) ([AMM TASK 38-10-01-400-801-A/400](#)). Refer to DET. A, Figure 413, sheet 1.

**CAUTION: MAKE SURE THAT THE TANK DRAIN VALVE (10) IN THE SINK CABINET IS IN THE "CLOSE" POSITION.**

- (10) Fill the water tank ([AMM TASK 12-15-01-600-801-A/300](#)).
- (11) Attach the clamp (6) on the conditioned air hose (7). Refer to DET. B, Figure 410.

**CAUTION: SEE THEIR IDENTIFICATION TO MAKE SURE THAT THE ELECTRICAL CONNECTORS ARE INSTALLED CORRECTLY. INCORRECT INSTALLATION OF THE CONNECTORS WILL CAUSE SERIOUS PROBLEMS TO THE AIRCRAFT.**

- (12) Connect the connectors (9) to the amenity dispenser (8) and to the ballast. Refer to DET. D, Figure 410.
- (13) Connect the splice (10) to the amenity dispenser (8). Refer to DET. E, Figure 410.
- (14) Install the amenity dispenser (8) on the sink cabinet (1). Refer to DET. B, Figure 410.
- (15) Install the mirror (5) on the sink cabinet (1). Refer to DET. B, Figure 410.
- (16) If you removed it, install the fire extinguisher support (3) back with screws (4) from the sink cabinet (1). Refer to DET. C, Figure 410.
- (17) Install the attendant handset (2) ([AMM TASK 23-31-03-400-801-A/400](#)). Refer to DET. A, Figure 410.
- (18) Install the RH cabinet (3) as follows (refer to DET. B, Figure 409):

- (a) **NOTE:** If necessary, adjust the position of the toilet floor panel to make the installation of the RH cabinet (3) easier.

Tighten the screws (6) and the washers (7) at the toilet floor panel. Refer to DET. B, Figure 409.

- (b) Tighten the screws (5) and the washers (4) at the forward baggage compartment partition. Refer to DET. B, Figure 409.

- (c) Fully tighten the bolts (16) and washers (17) that attach the toilet floor panel (18). Refer to VIEW B, Figure 414.

- (d) For aircraft POST-MOD. [S.B.145-25-0069](#), tighten the screws (10) and washers (11) at the RH cabinet (3). Refer to DET. B, Figure 409.

- (e) Connect the splice (13) in the speaker (12) to the cover (2). Refer to DET. D, Figure 409.

**CAUTION:** SEE ITS IDENTIFICATION TO MAKE SURE THAT THE ELECTRICAL CONNECTOR IS INSTALLED CORRECTLY, INCORRECT INSTALLATION OF THE CONNECTOR WILL CAUSE SERIOUS PROBLEMS TO THE AIRCRAFT.

- (f) Connect the electrical connector (1) to the cover (2). Refer to DET. C, Figure 409.

- (g) Close the cover (2).

- (19) Install the ceiling panel (8) as follows (refer to VIEW B, Figure 408):

**CAUTION:** CAREFULLY HOLD THE CEILING PANEL DURING THE INSTALLATION PROCEDURES.

- (a) Put the ceiling panel (8) in its original position:

**CAUTION:** SEE THEIR IDENTIFICATION TO MAKE SURE THAT THE ELECTRICAL CONNECTORS ARE INSTALLED CORRECTLY. INCORRECT INSTALLATION OF THE CONNECTORS WILL CAUSE SERIOUS PROBLEMS TO THE AIRCRAFT.

- (b) Connect the electrical connectors (7). Refer to VIEW B, Figure 408.

- (c) Install the ceiling panel (8) with the screws (12) and washers (11) at the right-hand cabinet. Refer to DET. A, Figure 408.

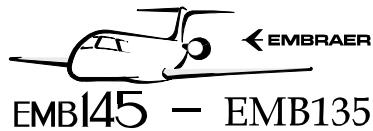
- (d) Install the ceiling panel (8) with the screws (1) and washers (2) at the sink cabinet. Refer to DET. A, Figure 408.

**NOTE:** Do not apply sealant around the ceiling panel (8).

- (20) Install the toilet partition [AMM TASK 25-27-03-400-801-A/400](#).

- (21) Install the lavatory floor lining (6). Refer to DET. A, Figure 408.

- (22) Install the toilet unit (9). Refer to DET. C, Figure 408 [AMM TASK 38-32-01-400-801-A/400](#).



EMB145 – EMB135

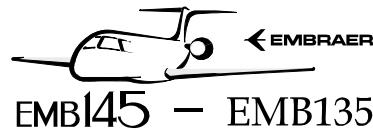
AIRCRAFT  
MAINTENANCE MANUAL

- (23) Install the toilet shroud (10). Refer to DET. C, Figure 408 [AMM TASK 25-40-04-400-801-A/400](#).
- (24) Install the screws (5) and the washers (4) to the doorsill (3). Refer to DET. A, Figure 408.
- (25) Install the lavatory door [AMM TASK 25-44-01-400-801-A/400](#) or [AMM TASK 25-44-01-400-802-A/400](#), as applicable.
- (26) Apply the sealant around the lavatory floor lining (6) (SRM 51-20-01). Refer to DET. A, Figure 408.

J. Follow-on

SUBTASK 842-011-A

- (1) Remove the DO-NOT-CLOSE tag and close the SMOKE DET circuit breaker.
- (2) Remove the DO-NOT-TURN-ON tag from the FSTN BELTS switch and set it to the ARM position.
- (3) Do an operational check of the lavatory smoke detection system AMM TASK 26-14-00-700-801-A/500.
- (4) Install LH PSU structure module VII AMM TASK 25-22-01-400-801-A/400.
- (5) If you removed it, install the fire extinguisher back to the support. Refer to DET A, Figure 408 .



AIRCRAFT  
MAINTENANCE MANUAL

TASK 25-40-01-000-803-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

6. LAVATORY ACCESS PANEL - REMOVAL

A. General

- (1) This task gives the procedures to remove access panel of the lavatory.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-04/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
261	261EZ	Lavatory

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 428	One-Way Screw Removal Tool	To open and remove the access panel 261EZ	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	A - Does the task	Lavatory

I. Preparation

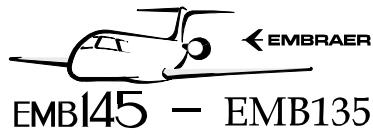
*SUBTASK 841-015-B*

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Make sure that the lavatory is empty.

J. Removal ([Figure 415](#))

*SUBTASK 020-015-B*

- (1) Carefully, pull out the cover (5) that is attached with dual lock (4). Refer to DET. B.

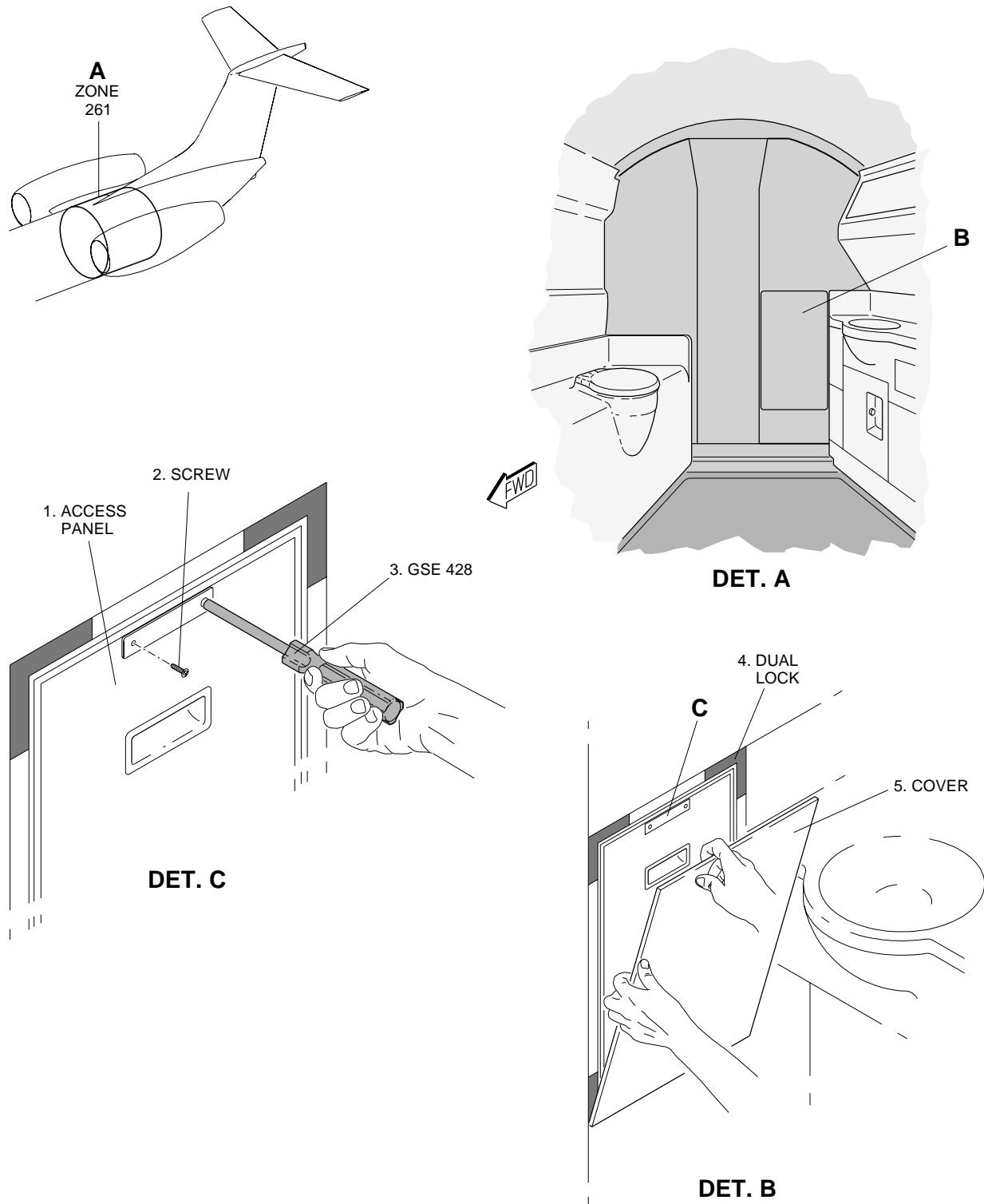


EMB145 - EMB135

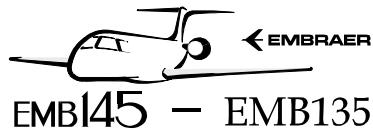
AIRCRAFT  
MAINTENANCE MANUAL

- (2) Use the GSE 428 (3) to remove the screws (2) that attach the access panel 261EZ (1) (AMM MPP 06-41-04/100). Refer to DET. C.
- (3) Remove the access panel 261EZ (1).

**EFFECTIVITY: ACFT MODEL(S) EMB-145**  
**Lavatory Access Panel - Removal/Installation**  
**Figure 415**



145AMM252589.MCE



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 25-40-01-400-803-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

7. LAVATORY ACCESS PANEL - INSTALLATION

A. General

- (1) This task gives the procedures to install the lavatory access panel.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-04/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
261	261EZ	Lavatory

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 428	One-Way Screw Removal Tool	To install and close the access panel 261EZ	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	A - Does the task	Lavatory

I. Installation (Figure 415)

SUBTASK 420-015-B

- (1) Fit the access panel 261EZ (1) (AMM MPP 06-41-04/100) in its place. Refer to DET. C.
- (2) Use the GSE 428 (3) to tighten the screws (2) that attach the access panel 261EZ (1).
- (3) Use the dual lock (4) to fit the cover (5) to the access panel 261EZ (1). Refer to DET. B.