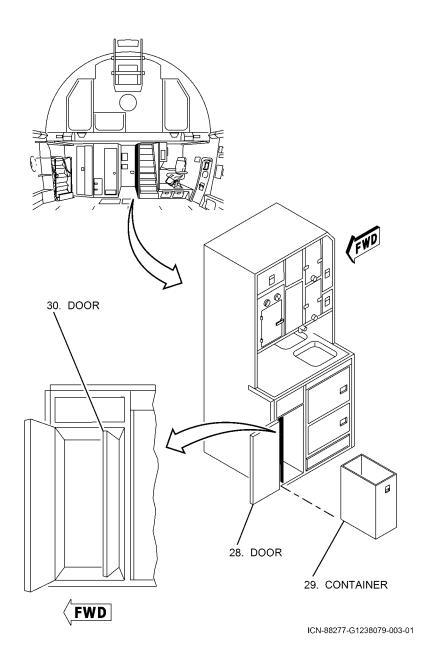


ICN-88277-G1238058-004-01

- 28. Unlatch and open door (232FZD).
- 29. Remove container.
- 30. Unlatch and open door (232NZD).



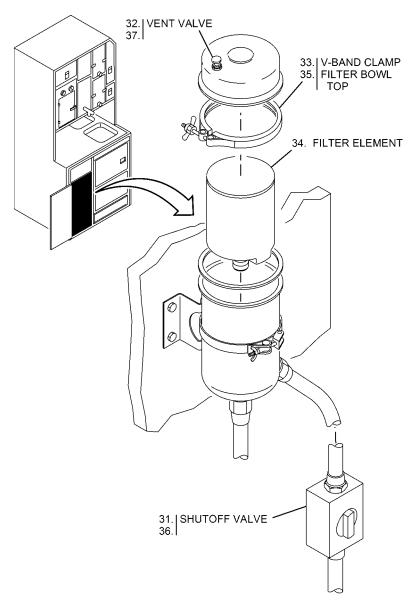
**12-38-03-1**2-93

31. Close shutoff valve.

#### NOTE

An unknown quantity of water may be discharged when vent valve is opened.

- 32. Open vent valve and bleed off residual pressure.
- 33. Remove V-band clamp and filter bowl top.
- 34. Remove and discard filter element.
- 35. Install bowl top and V-band clamp.
- 36. Open shutoff valve.
- 37. Close vent valve when air has been purged.
  - Water will discharge from vent valve when air has been purged from canister.



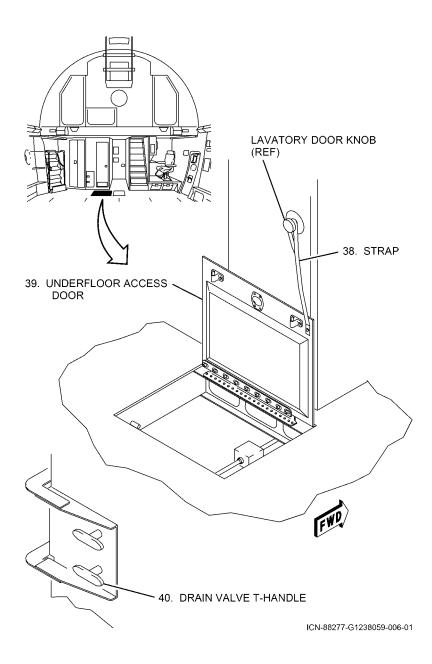
ICN-88277-G1238080-003-01

- 38. Remove hold open strap from lavatory door knob and secure to underfloor access door.
- 39. Close and latch underfloor access door (237HZD).



Drain valve T-handle must be closed (pushed in) for flight operations. Failure to comply may cause damage to aircraft.

40. Push drain valve T-handle in.



#### **NOTE**

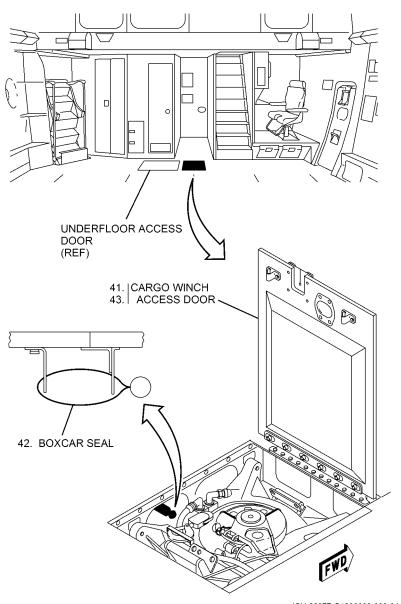
Perform steps 41 thru 43 when a boxcar seal is required on the underfloor access door.

41. Unlatch and open cargo winch access door (237JZD).

## **NOTE**

Document aircraft forms that boxcar seal has been installed. Ensure "seal control number" is included in entry.

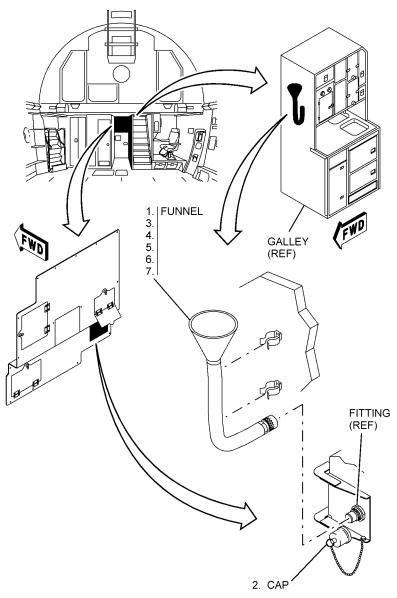
- 42. Install boxcar seal to underfloor access door.
- 43. Close and latch cargo winch access door (237JZD).



ICN-88277-G1238088-003-01

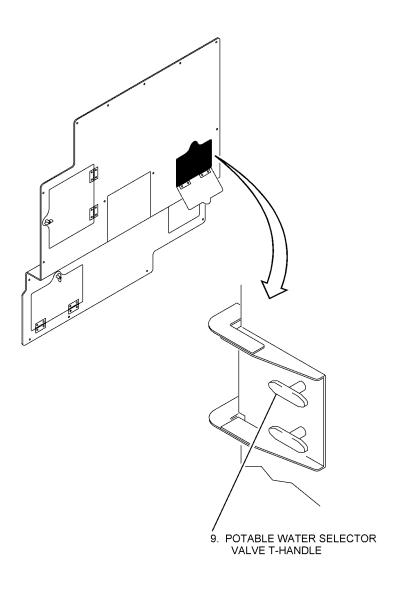
# 03-2. PURGING.

- 1. Remove funnel from galley.
- 2. Remove cap from fitting.
- 3. Connect funnel to fitting.
- 4. Pour 1 gallon of sodium hypochlorite down funnel.
- 5. Pour approximately one gallon of fresh water through funnel to rinse.
- 6. Disconnect funnel from fitting, and install cap.
- 7. Install funnel on galley.



ICN-88277-G1238027-004-01

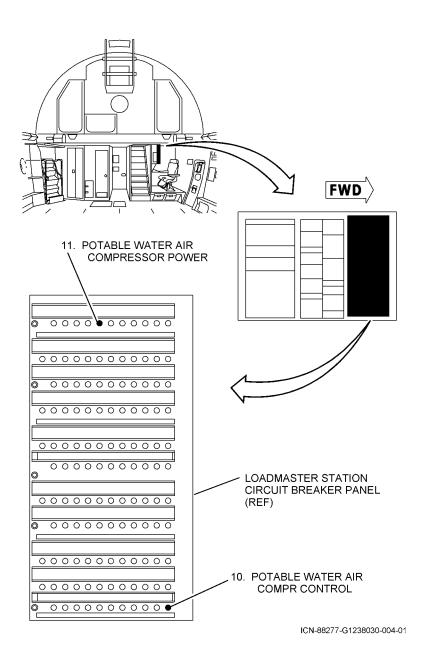
- 8. Service potable water (12-38-01, task 01-1).
- 9. Push potable water selector valve T-handle in.



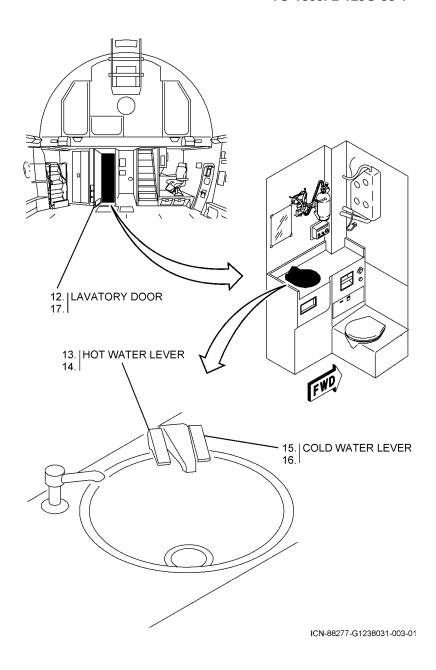
ICN-88277-G1238029-004-01

#### **NOTE**

- Flushing solution must be allowed to remain in potable water tank a minimum of 30 minutes.
- Air compressor located in lavatory is audible and automatically shuts off when potable water system is pressurized.
- 10. Remove and retain warning tag; close **POTABLE WATER AIR COMPR CONTROL** circuit breaker on loadmaster station circuit breaker panel, row **L**, column **12**.
- 11. Remove and retain warning tag; close **POTABLE WATER AIR COMPRESSOR POWER** circuit breaker on loadmaster station circuit breaker panel, row **A**, column **6**.

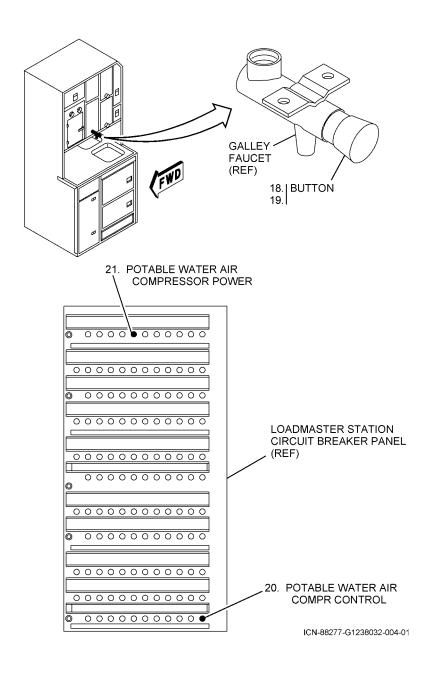


- 12. Unlatch and open lavatory door (233AZD).
- 13. Press and hold hot water lever.
  - Flushing solution flows freely.
- 14. Release lever.
- 15. Press and hold cold water lever.
  - Flushing solution flows freely.
- 16. Release lever.
- 17. Close and latch lavatory door (233AZD).



12-38-03-2 2-107

- 18. Press and hold button on galley faucet.
  - Flushing solution flows freely.
- 19. Release button.
- 20. Open **POTABLE WATER AIR COMPR CONTROL** circuit breaker on loadmaster station circuit breaker panel, row **L**, column **12**, and attach warning tag.
- 21. Open **POTABLE WATER AIR COMPRESSOR POWER** circuit breaker on loadmaster station circuit breaker panel, row **A**, column **6**, and attach warning tag.

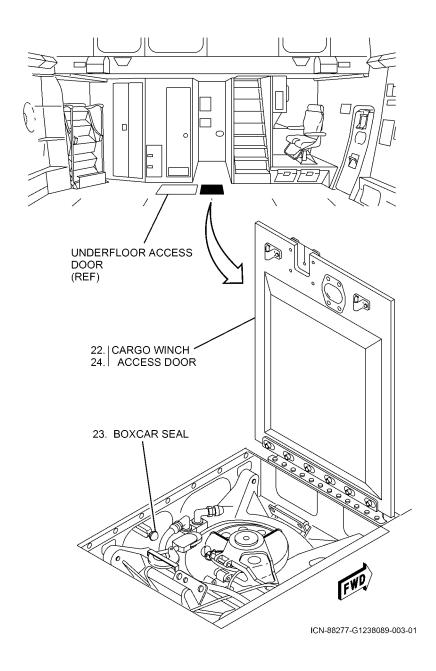


12-38-03-2 2-109

## **NOTE**

Perform steps 22 thru 24 when AFTO Form 781 records indicate a boxcar seal for the underfloor access door, otherwise continue with step 25.

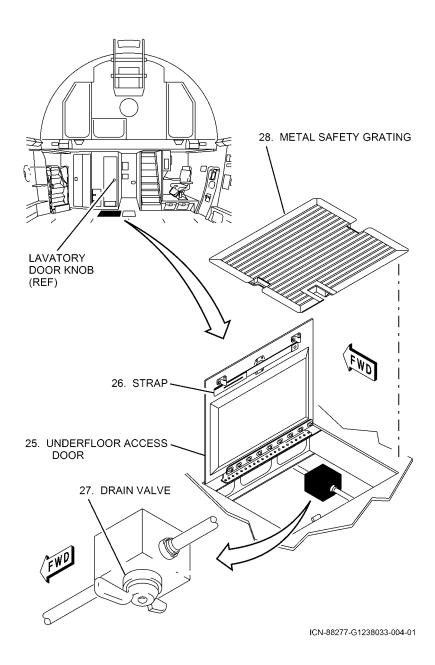
- 22. Unlatch and open cargo winch access door (237JZD).
- 23. Remove boxcar seal from underfloor access door (237HZD).
- 24. Close and latch cargo winch access door (237JZD).





No personnel shall be in lavatory while underfloor access door is open. Failure to comply may cause damage to aircraft.

- 25. Unlatch and open underfloor access door (237HZD).
- 26. Attach hold open strap to lavatory door knob.
- 27. Open drain valve.
- 28. Install metal safety grating.

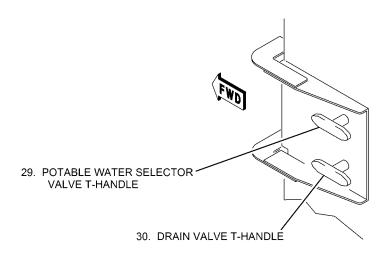


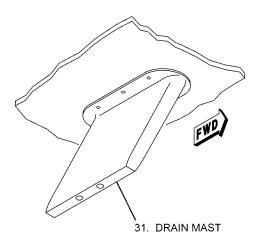
- 29. Pull potable water selector valve T-handle.
- 30. Pull drain valve T-handle.

## **NOTE**

Drain time is approximately 5 minutes when potable water tank is full.

31. Check drain mast to ensure that flushing solution has stopped flowing.





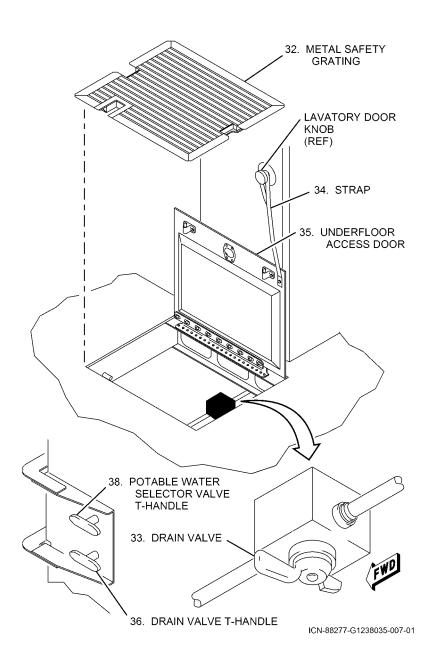
ICN-88277-G1238034-004-01

- 32. Remove metal safety grating.
- 33. Close drain valve.
- 34. Remove hold open strap from lavatory door knob and secure to underfloor access door.
- 35. Close and latch underfloor access door (237HZD).

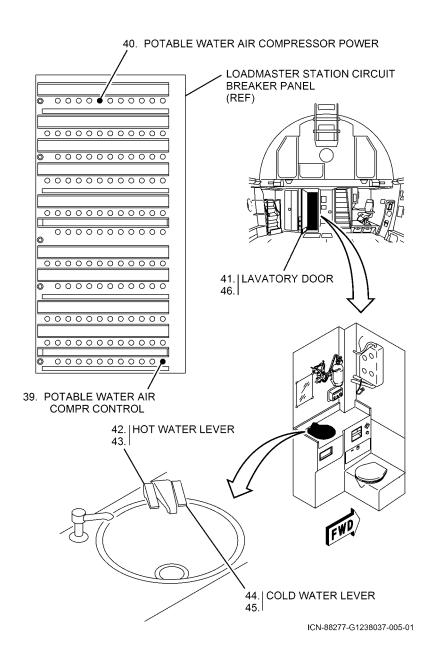


Drain valve T-handle must be closed (pushed in) for flight operations. Failure to comply may cause damage to aircraft.

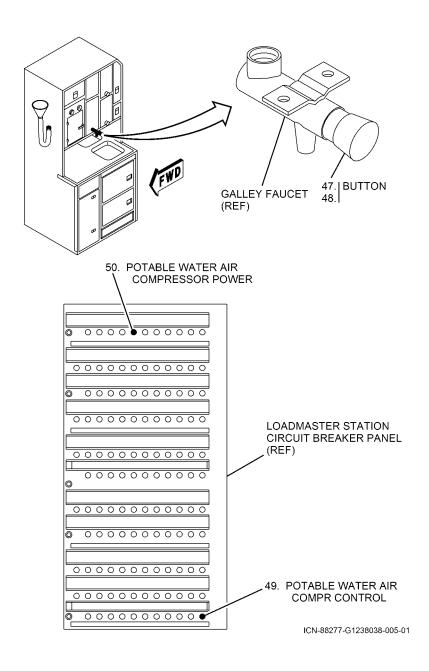
- 36. Push drain valve T-handle in.
- 37. Service potable water (12-38-01, task 01-1).
- 38. Push potable water selector valve T-handle in.



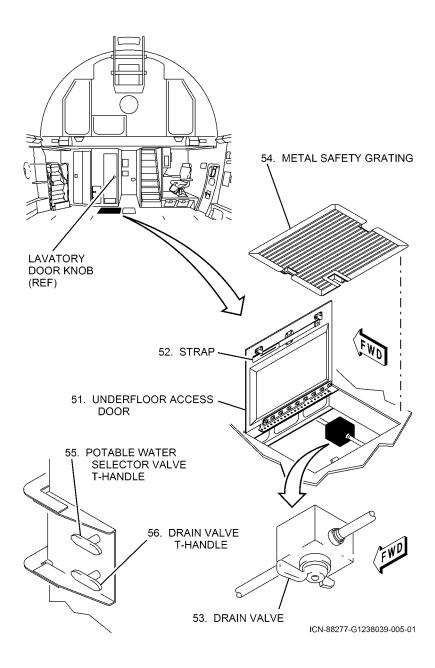
- 39. Remove and retain warning tag; close **POTABLE WATER AIR COMPR CONTROL** circuit breaker on loadmaster station circuit breaker panel, row **L**, column **12**.
- 40. Remove and retain warning tag; close **POTABLE WATER AIR COMPRESSOR POWER** circuit breaker on loadmaster station circuit breaker panel, row **A**, column **6**.
- 41. Unlatch and open lavatory door (233AZD).
- 42. Press and hold hot water lever.
  - Water flows freely.
- 43. Release lever.
- 44. Press and hold cold water lever.
  - Water flows freely.
- 45. Release lever.
- 46. Close and latch lavatory door (233AZD).



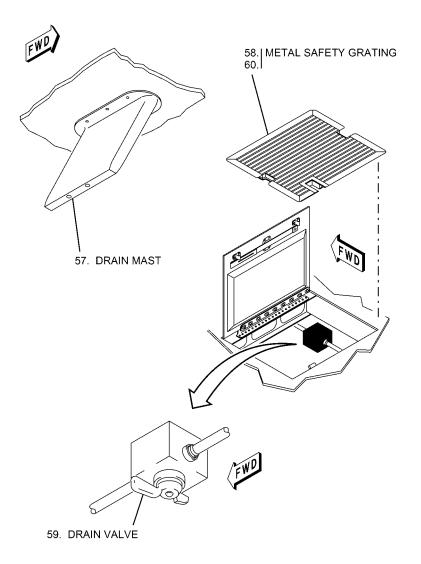
- 47. Press and hold button on galley faucet.
  - Water flows freely.
- 48. Release button.
- 49. Open **POTABLE WATER AIR COMPR CONTROL** circuit breaker on loadmaster station circuit breaker panel, row **L**, column **12**, and attach warning tag.
- 50. Open **POTABLE WATER AIR COMPRESSOR POWER** circuit breaker on loadmaster station circuit breaker panel, row **A**, column **6**, and attach warning tag.



- 51. Unlatch and open underfloor access door (237HZD).
- 52. Attach hold open strap to lavatory door knob.
- 53. Open drain valve.
- 54. Install metal safety grating.
- 55. Pull potable water selector valve T-handle.
- 56. Pull drain valve T-handle.

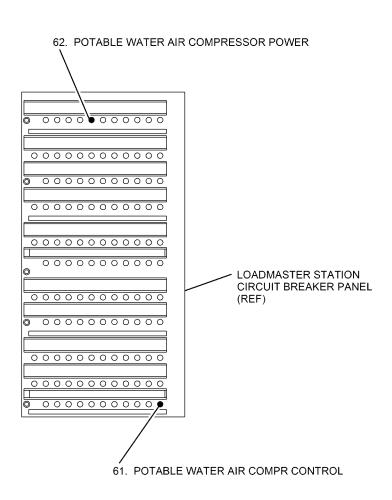


- 57. Check drain mast to ensure that water has stopped flowing.
- 58. Remove metal safety grating.
- 59. Close drain valve.
- 60. Install metal safety grating.



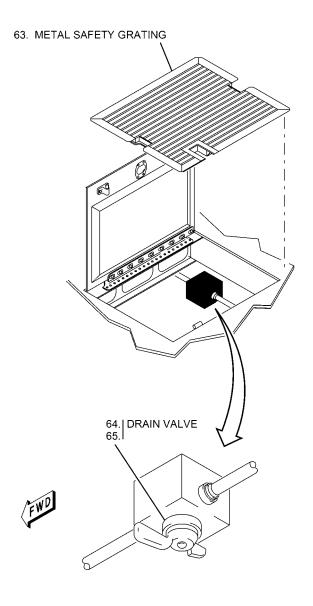
ICN-88277-G1238040-005-01

- 61. Remove warning tag and close **POTABLE WATER AIR COMPR CONTROL** circuit breaker on loadmaster station circuit breaker panel, row **L**, column **12**.
- 62. Remove warning tag and close **POTABLE WATER AIR COMPRESSOR POWER** circuit breaker on loadmaster station circuit breaker panel, row **A**, column **6**.



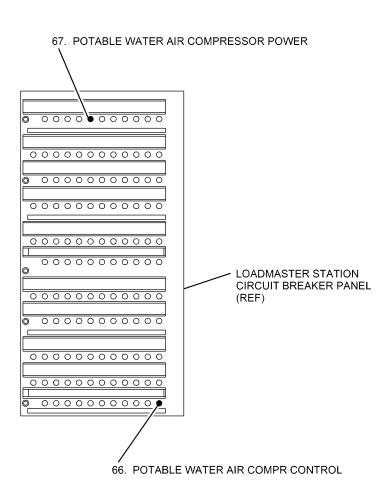
ICN-88277-G1238063-004-01

- 63. Remove metal safety grating.
- 64. Open drain valve for 1 minute; trapped water drains.
- 65. Close drain valve.



ICN-88277-G1238064-004-01

- 66. Open **POTABLE WATER AIR COMPR CONTROL** circuit breaker on loadmaster station circuit breaker panel, row **L**, column **12**, and attach warning tag.
- 67. Open **POTABLE WATER AIR COMPRESSOR POWER** circuit breaker on loadmaster station circuit breaker panel, row **A**, column **6**, and attach warning tag.



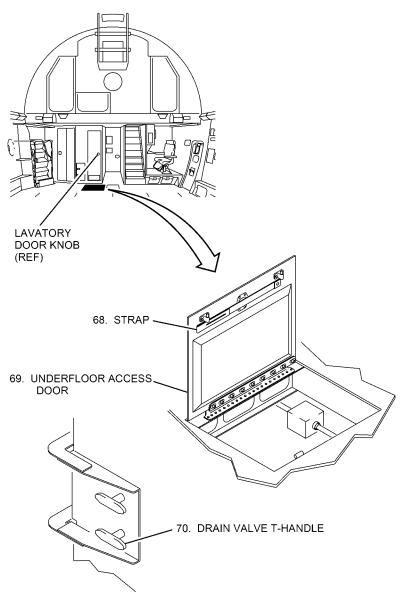
ICN-88277-G1238065-004-01

- 68. Remove hold open strap from lavatory door knob and secure to underfloor access door.
- 69. Close and latch underfloor access door (237HZD).



Drain valve T-handle must be closed (pushed in) for flight operations. Failure to comply may cause damage to aircraft.

70. Push drain valve T-handle in.



ICN-88277-G1238041-008-01

#### **NOTE**

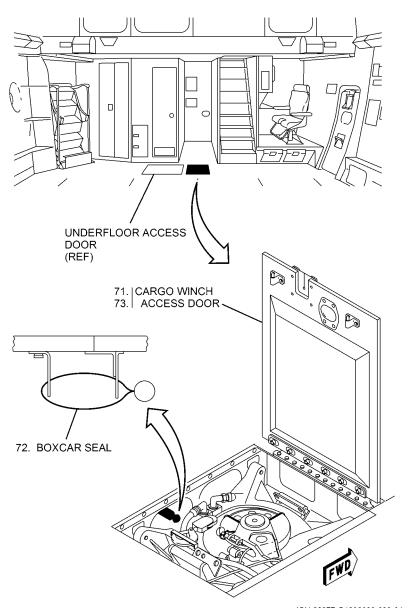
Perform steps 71 thru 73 when a boxcar seal is required on the underfloor access door, otherwise continue with step 74.

71. Unlatch and open cargo winch access door (237JZD).

## NOTE

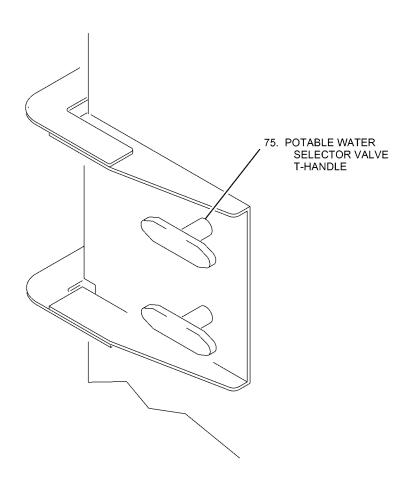
Document aircraft forms that boxcar seal has been installed. Ensure "seal control number" is included in entry.

- 72. Install boxcar seal to underfloor access door.
- 73. Close and latch cargo winch access door (237JZD).



ICN-88277-G1238090-003-01

- 74. Service potable water (12-38-01, task 01-1).
- 75. Push potable water selector valve T-handle in.



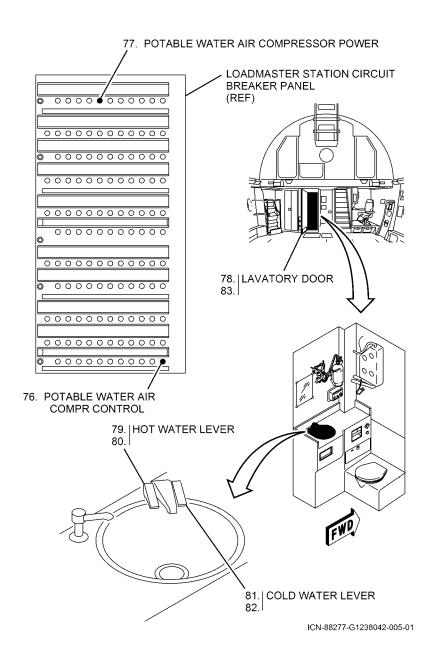
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- 76. Remove warning tag and close **POTABLE WATER AIR COMPR CONTROL** circuit breaker on loadmaster station circuit breaker panel, row **L**, column **12**.
- 77. Remove and retain warning tag; close **POTABLE WATER AIR COMPRESSOR POWER** circuit breaker on loadmaster station circuit breaker panel, row **A**, column **6**.
- 78. Unlatch and open lavatory door (233AZD).

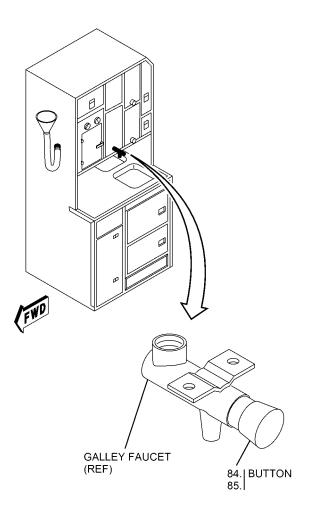
#### **NOTE**

Potable water system must be free of all residual flushing solution. If residual flushing solution is noticed by smell and taste, potable water system must be drained and reserviced until all traces of residual flushing solution has been removed.

- 79. Press and hold hot water lever.
  - Water flows freely.
  - Water contains no residual flushing solution.
- Release lever.
- Press and hold cold water lever.
  - Water flows freely.
  - Water contains no residual flushing solution.
- 82. Release lever.
- 83. Close and latch lavatory door (233AZD).



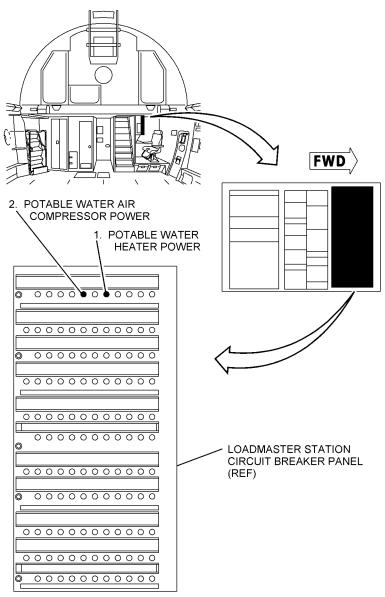
- 84. Press and hold button on galley faucet.
  - Water flows freely.
  - Water contains no residual flushing solution.
- 85. Release button.



ICN-88277-G1238043-004-01

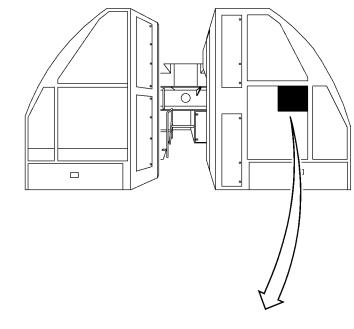
## 03-3. FOLLOW-ON MAINTENANCE.

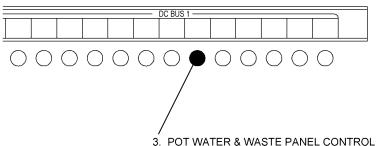
- Remove warning tag and close POTABLE WATER HEATER
  POWER circuit breaker on loadmaster station circuit breaker panel,
  row A, column 8.
- Remove warning tag and close POTABLE WATER AIR
   COMPRESSOR POWER circuit breaker on loadmaster station
   circuit breaker panel, row A, column 6.



ICN-88277-G1238045-005-01

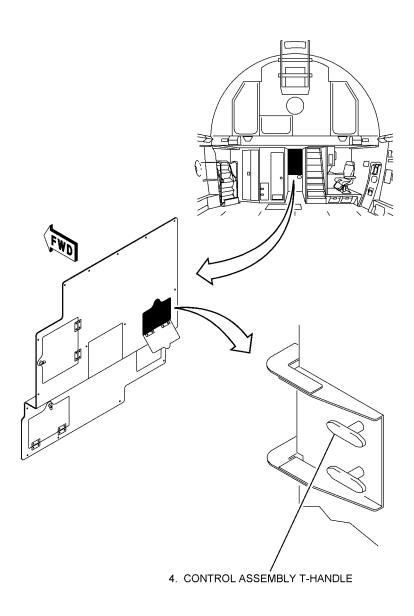
3. Remove warning tag and close **POT WATER & WASTE PANEL CONTROL** circuit breaker on electrical power center, row **L**, column **61**.





ICN-88277-G1238046-003-01

4. Pull control assembly T-handle.



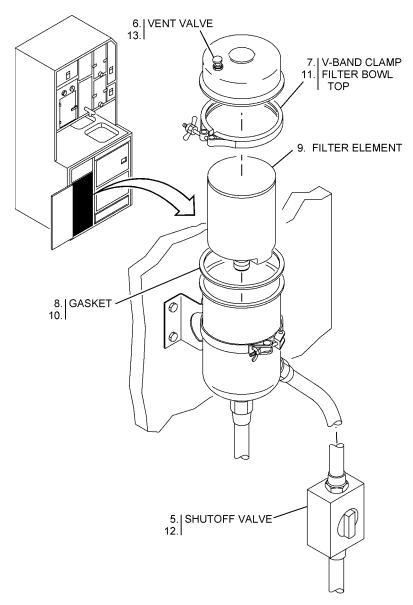
ICN-88277-G1238081-001-01

5. Close shutoff valve.

#### NOTE

An unknown quantity of water may be discharged when vent valve is opened.

- 6. Open vent valve and bleed off residual pressure.
- 7. Remove V-band clamp and filter bowl top.
- 8. Remove and discard gasket.
- 9. Install filter element.
- 10. Install gasket.
- 11. Install filter bowl top and V-band clamp.
- 12. Open shutoff valve.
- 13. Close vent valve when air has been purged
  - Water will discharge from vent valve when air has been purged from canister.



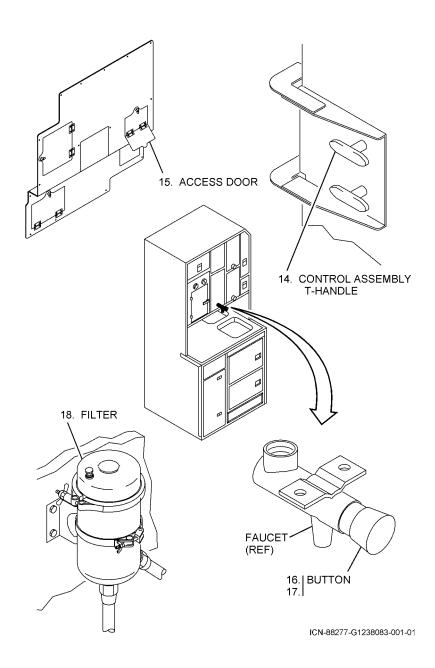
ICN-88277-G1238082-001-01

- 14. Push control assembly T-handle in.
- 15. Close and latch access door (237QZD).

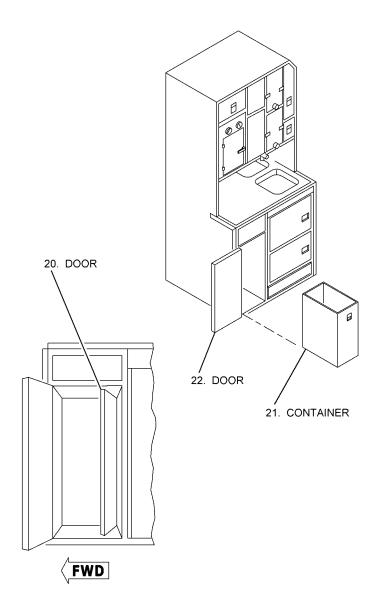
## **NOTE**

Air in potable water system will be bled when water flows freely and clearly from faucet.

- 16. Press and hold button on faucet.
  - Water flows freely.
- 17. Release button.
- 18. Check filter for water leaks.
  - No leaks allowed.
- 19. Disconnect external electrical power (10-61-01, task 01-2).



- 20. Close and latch door (232NZD).
- 21. Insert container.
- 22. Close and latch door (232FZD).



ICN-88277-G1238084-001-01

12-38-03-3 2-153/(2-154 blank)

# WASTE DISPOSAL SERVICING (12-38-04)

## **GENERAL MAINTENANCE INPUT CONDITIONS:**

Applicability:	Task
All	All
Additional information:  This procedure consists of the following tasks:	
<ul><li>04-1. Preparation.</li><li>04-2. Servicing.</li><li>04-3. Follow-on maintenance.</li></ul>	
Additional data:	Task
TO 1300i-2-10JG-60-1	04-1, 04-3
TO 1300i-2-38FI-00-1	04-2, 04-3
Personnel recommended:	Task
Two	All
Person (A) performs task.	
Person (B) assists person (A).	

## Safety conditions:

**Task** 

WARNING

The use of personal protective equipment is mandatory to perform this procedure. The applicable Material Safety Data Sheet (MSDS) will identify special protection information. Failure to comply may cause injury to personnel.

All

## **Support equipment:**

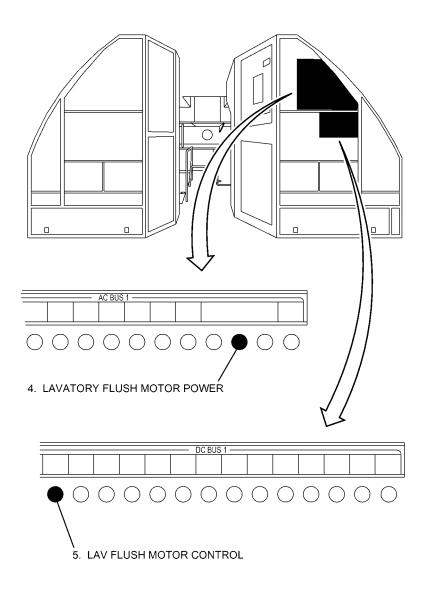
<u>Nomenclature</u>	<u>PN</u>	<u>Specification</u>	<u>Qty</u>	<u>Task</u>
Truck, Lavatory Service or equivalent equipment.	L600		1	04-1

# Supplies:

Nomenclature	<u>PN</u>	<b>Specification</b>	Qty	<u>Task</u>
NA				

## 04-1. PREPARATION.

- 1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
- 2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
- 3. Connect external electrical power (10-61-01, task 01-1).
- (A) Ensure LAVATORY FLUSH MOTOR POWER circuit breaker on Electrical Power Center (EPC), row F, column 58, is closed.
- 5. (A) Ensure **LAV FLUSH MOTOR CONTROL** circuit breaker on EPC, row **L**, column **54**, is closed.



ICN-88277-G1238072-004-01

6. (A) Unlatch and open waste system service panel access door (122BRD).

# WARNING

Drain line may be filled with waste from waste tank. Stand clear of drain valve while opening cap. Failure to comply may cause contamination and injury to personnel.

7. (A) Unlatch handle and open cap on drain valve.

## **NOTE**

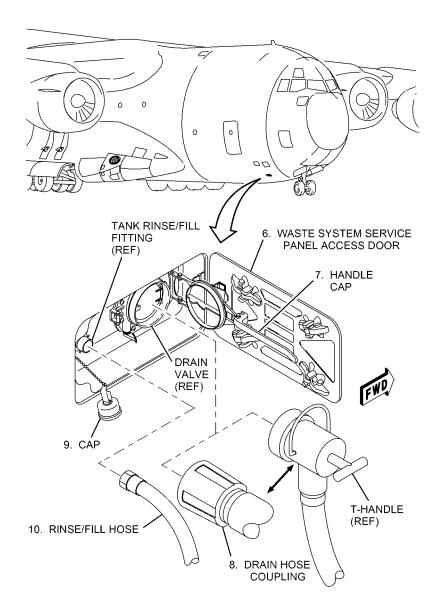
Ensure T-handle of drain coupling is pulled completely out to allow toilet waste removal, when required.

- 8. (A,B) Connect drain hose coupling from truck to drain valve.
- 9. (A) Remove cap from TANK RINSE/FILL fitting.

## **NOTE**

Ensure the rinse/fill hose is routed inboard of the drain hose.

10. (A,B) Connect rinse/fill hose from truck to fitting.

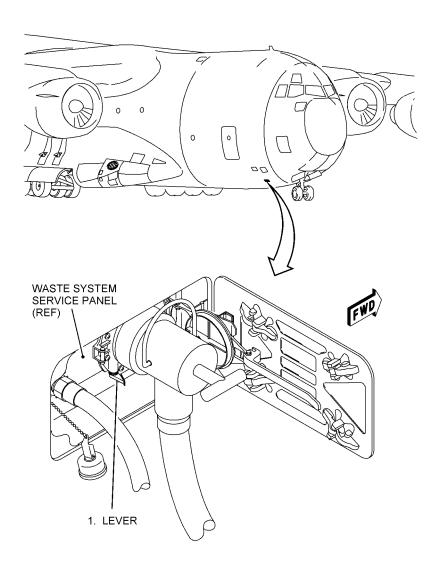


ICN-88277-G1238016-009-01

## 04-2. SERVICING.

## NOTE

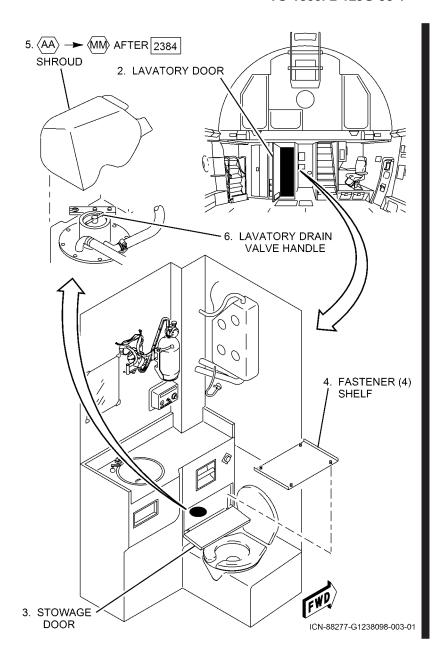
- The waste tank drain valve is automatically opened by the pressurized water from the lavatory service truck.
- When flushing is terminated, waste tank drain valve will automatically close trapping approximately 2.5 to 3.0 gallons of water in pre-charge tank. Water in pre-charge tank then drains into waste tank to prime the tank.
- When more than 3 gallons of fluid is observed when drain valve is opened the tank drain valve may be leaking (38-31-AD-00).
- 1. (A) Press lever to open drain valve on waste system service panel.



ICN-88277-G1238017-005-01

When using a lavatory service truck that can evacuate the waste while supplying rinse/fill pressure, proceed to step 7.

- 2. (A) Open lavatory door (233AZD).
- 3. (A) Unlatch and open stowage door.
- 4. (A) Loosen fasteners and remove shelf.
- 5.  $\langle AA \rangle \rightarrow \langle MM \rangle$  BEFORE 2384 No action required.
- 5.  $\langle \overline{AA} \rangle \rightarrow \langle \overline{MM} \rangle$  AFTER 2384 (A) Remove shroud.
- 6. (A) Pull lavatory drain valve handle and hold open until flushing solution is completely drained.



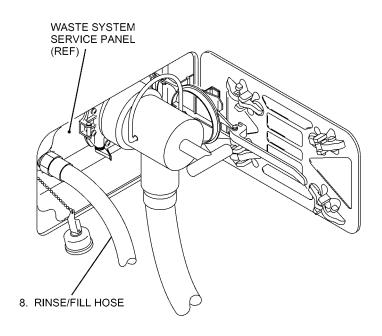
The pumping takes between 1 and 3 minutes for a complete flushing and rinse cycle.

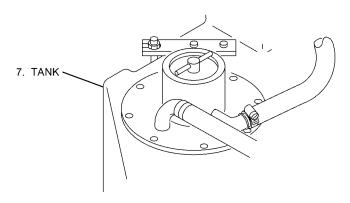
7. (A,B) Flush and drain tank.

## NOTE

Fluid rinse/fill is registered on the lavatory service truck.

- 8. (A,B) Service rinse/fill hose with 5 gallons of fluid.
  - Tank is clean and charged with the appropriate fluid.

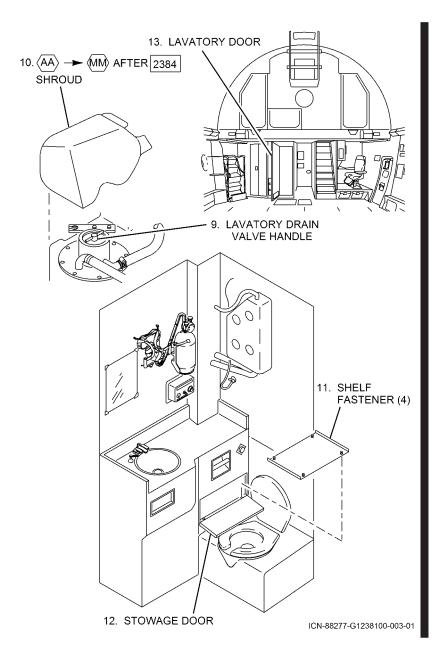




ICN-88277-G1238099-003-01

When using a lavatory service truck that can evacuate the waste while supplying rinse/fill pressure, proceed to task 04-3.

- 9. (A) Release lavatory drain valve handle.
- 10.  $\langle AA \rangle \rightarrow \langle MM \rangle$  BEFORE 2384 No action required.
- 10.  $\langle AA \rangle \rightarrow \langle MM \rangle$  AFTER 2384 (A) Install shroud.
- 11. (A) Install shelf and tighten fasteners.
- 12. (A) Close and latch stowage door.
- 13. (A) Close lavatory door (233AZD).



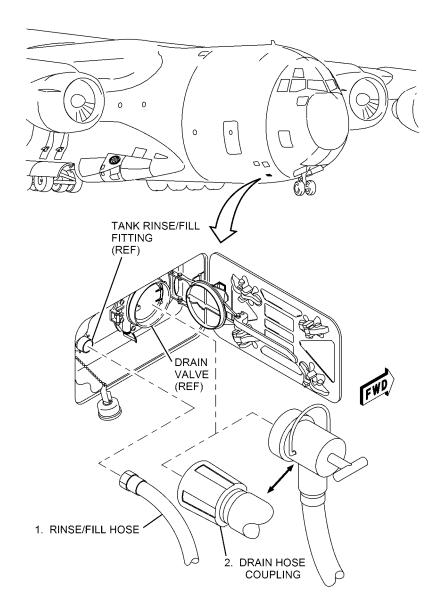
# 04-3. FOLLOW-ON MAINTENANCE.

1. (A) Disconnect rinse/fill hose from TANK RINSE/FILL fitting.

# NOTE

When excessive fluid is detected when disconnecting drain hose coupling from the drain valve, the waste tank drain valve may be leaking.

2. (A,B) Disconnect drain hose coupling from drain valve.



ICN-88277-G1238020-008-01

3. (A) Open lavatory door (233AZD).

### **NOTE**

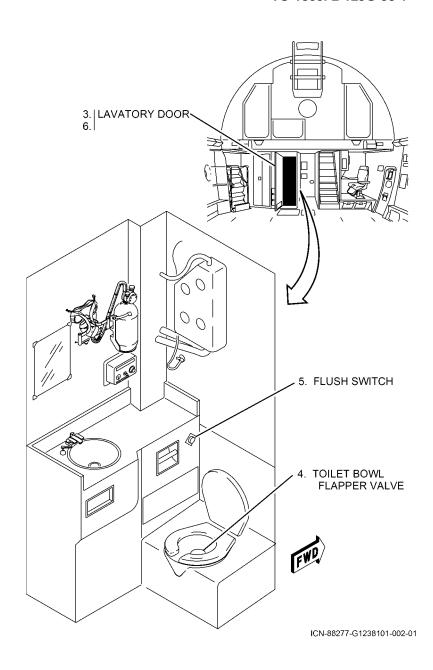
It may take up to 5 minutes for fluid from the pre-charge tank to drain down into the waste tank.

- 4. (A) Open toilet bowl flapper valve and verify presence of waste disposal tank fluid.
  - Fluid is visible (38-31-AA-00).

# **NOTE**

It may be necessary to add up to 3 gallons of solution into the toilet through the bowl if it does not flush properly.

- 5. (A) Press switch to operate toilet through two flush cycles.
  - Toilet flushes (38-31-AA-00).
- 6. (A) Close lavatory door (233AZD).



Maintenance required when fluid is detected when disconnecting drain hose coupling from the drain valve, the waste tank drain valve may be leaking.

7. (A) Observe waste drain valve.

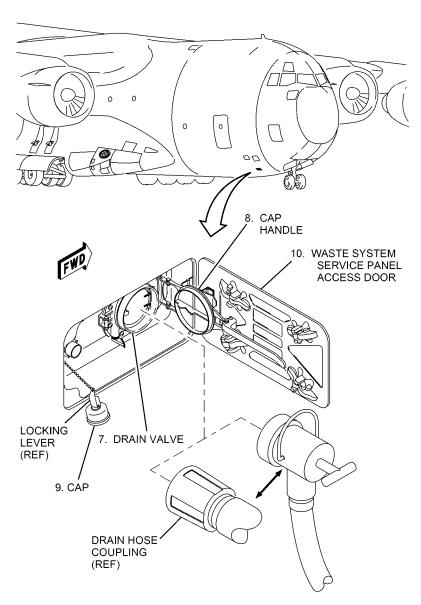
# CAUTION

- Allow a minimum of 30 seconds to drain water trapped in drain line before closing drain valve cap.
   Failure to comply may cause damage to equipment.
- When drips continue for more than 30 seconds the waste tank drain valve may be leaking (38-31-AD-00). Failure to comply may cause damage to equipment.
- 8. (A) Close cap and latch handle.

# CAUTION

Allow a minimum of 30 seconds to drain water trapped in rinse/fill line before installing cap. Failure to comply may cause damage to equipment.

- 9. (A) Install and lock cap.
  - SPECIAL INSTRUCTION. Ensure the locking lever on the cap is free of obstruction after activating the locking lever.
- (A) Close and latch waste system service panel access door (122BRD).
- 11. Disconnect external electrical power (10-61-01, task 01-2).



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12-38-04-3 2-175/(2-176 blank)

# WASTE DISPOSAL TANK DRAINING (12-38-05)

# **GENERAL MAINTENANCE INPUT CONDITIONS:**

Applicability:

Task

All

A11

# Additional information:

This procedure consists of the following tasks:

- 05-1. Preparation.
- 05-2. Draining.
- 05-3. Follow-on maintenance.

## Additional data:

Task

TO 1300i-2-10JG-60-1

05-1, 05-3

## Personnel recommended:

Task

Two

A11

Person (A) performs task.

Person (B) assists person (A).

# Safety conditions:

Task

# WARNING

The use of personal protective equipment is mandatory to perform this procedure. The applicable Material Safety Data Sheet (MSDS) will identify special protection information. Failure to comply may cause injury to personnel.

All

Support	equipment:
---------	------------

1	<u>lomenclature</u>
7	Fruck, Lavatory Service or equivalent

# <u>PN</u>

L600

# **Specification**

# <u>Qty</u>

<u>Task</u> 05-1

# Supplies:

equipment.

**Nomenclature** 

# <u>PN</u>

# **Specification**

# **Qty**

<u>Task</u> 05-3

Tag, Warning

# 05-1. PREPARATION.

- 1. Review "Section 1 (General Information)" of this TO for system general warnings, cautions, and notes.
- 2. Review task "General Maintenance Input Conditions" page for task specific safety conditions.
- 3. Connect external electrical power (10-61-01, task 01-1).
- 4. (A) Unlatch and open waste system service panel access door (122BRD).

# WARNING

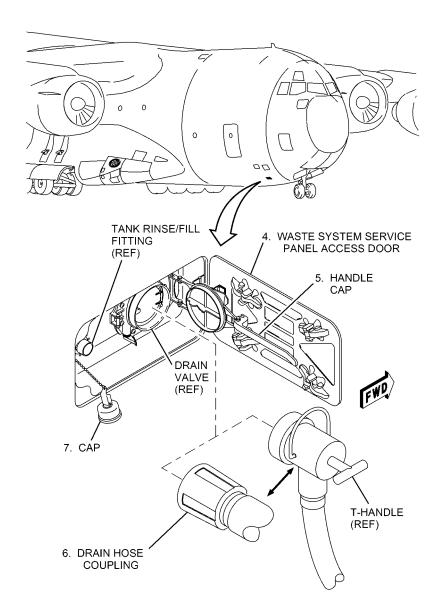
Drain line may be filled with waste from waste tank. Stand clear of drain valve while opening cap. Failure to comply may cause contamination and injury to personnel.

5. (A) Unlatch handle and open cap on drain valve.

### NOTE

Ensure T-handle of drain hose coupling is pulled completely out to allow toilet waste removal, when required.

- 6. (A,B) Connect drain hose coupling from truck to drain valve.
- 7. (A) Remove cap from TANK RINSE/FILL fitting.



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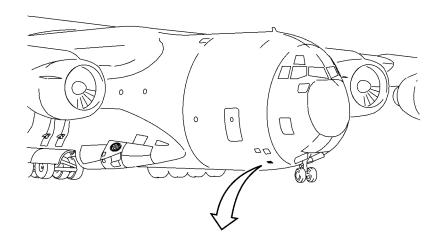
Ensure the rinse/fill hose is routed inboard to the drain hose.

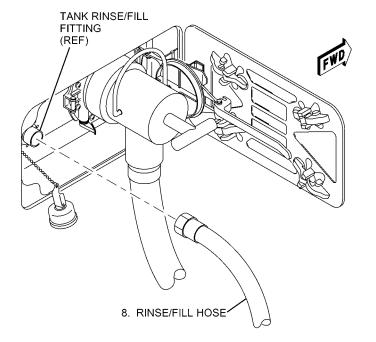
8. (A) Connect rinse/fill hose to TANK RINSE/FILL fitting.

## NOTE

It may be necessary to run the servicing task several times before the waste disposal tank is clean and free of waste residue on tank internal components.

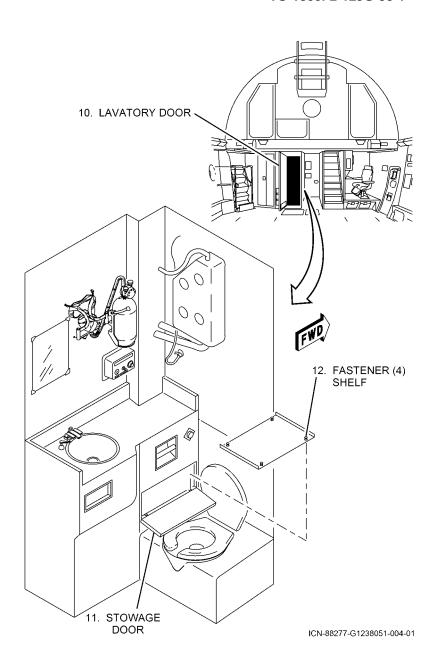
9. Perform waste disposal servicing (12-38-04, task 04-2).





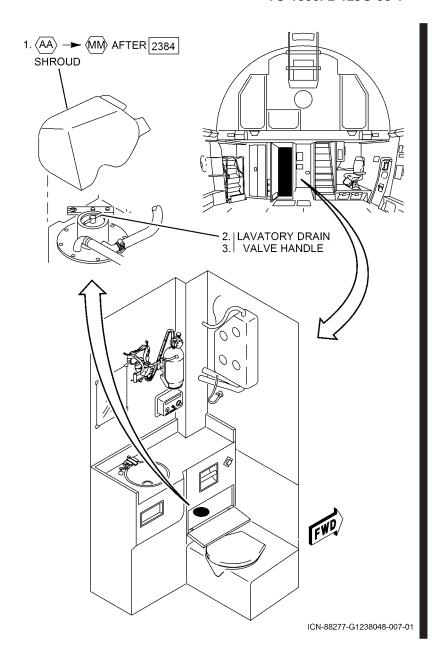
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- 10. (A) Open lavatory door (233AZD).
- 11. (A) Unlatch and open stowage door.
- 12. (A) Loosen fasteners and remove shelf.

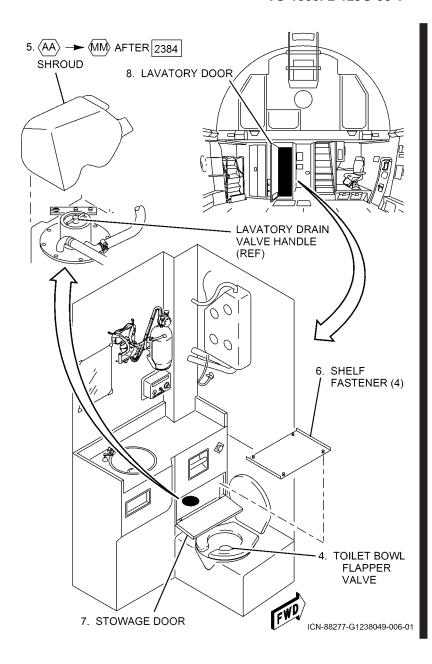


# 05-2. DRAINING.

- 1.  $\xrightarrow{AA} \rightarrow \xrightarrow{MM} BEFORE$  2384 No action required.
- 1.  $\langle AA \rangle \rightarrow \langle MM \rangle$  AFTER 2384 (A) Remove shroud.
- 2. (A) Pull lavatory drain valve handle and hold open until flushing solution has drained from lavatory holding tank.
- 3. (A) Release lavatory drain valve handle.



- 4. (A) Open toilet bowl flapper valve and verify waste disposal tank is completely drained.
- 5.  $\langle \overline{AA} \rangle \rightarrow \langle \overline{MM} \rangle$  BEFORE 2384 No action required.
- 5.  $\langle AA \rangle \rightarrow \langle MM \rangle$  AFTER 2384 (A) Install shroud.
- 6. (A) Install shelf and tighten fasteners.
- 7. (A) Close stowage door.
- 8. (A) Close lavatory door (233AZD).



# 05-3. FOLLOW-ON MAINTENANCE.

1. (A) Disconnect rinse/fill hose from TANK RINSE/FILL fitting.

# CAUTION

- Allow a minimum of 30 seconds to drain water trapped in drain line before closing drain valve cap.
   Failure to comply may cause damage to equipment.
- When drips continue for more than 30 seconds the waste tank drain valve may be leaking (38-31-AD-00). Failure to comply may cause damage to equipment.
- 2. (A,B) Disconnect drain hose coupling from drain valve.
- 3. (A) Close cap handle and latch.

# CAUTION

Allow a minimum of 30 seconds to drain water trapped in rinse/fill line before installing cap. Failure to comply may cause damage to equipment.

- 4. (A) Install and lock cap.
  - SPECIAL INSTRUCTION. Ensure the locking lever on the cap is free of obstruction after activating the locking lever.
- 5. (A) Close and latch waste system service panel access door (122BRD).