

## WATER/WASTE SERVICING PROCEDURES

### **Recharge Electrical Flushing Toilet (with External Servicing Facility)**

<b>Equipment/Materials</b>	<b>Part/Item No.</b>
Toilet ground servicing trolley	Tronair 10-4036-000 (fitted with Kaiser Roylyn special 'Y' coupling Pt.No. K1052) or equivalent low level trolley.
Germicidal toilet deodorant	Monogram DC-19 or Ardrex 1809

**NOTE:** If specified ground servicing trolley is not available, toilet servicing must be accomplished using gravity discharge procedure.

- (1) Open toilet servicing point access panel.
- (2) Check the service point for signs of leakage.
- (3) Select ROOF/STEP LIGHT switch to ON and make sure, by holding toilet service valve switch to SHUT, that valve indicator displays SHUT Release switch.
- (4) Disengage drain cap handle and open hinged cap.
- (5) Connect ground servicing trolley drain hose to airplane drain with special 'Y' coupling.
- (6) Push 'T' handle in coupling inwards to engage drain plug, rotate handle counterclockwise approximately 120 degrees to release plug and pull out handle.
- (7) Select and hold valve switch until valve indicator displays OPEN. Release switch.

**NOTE:** Make sure the toilet tank empties completely.

- (8) Operate lever on ground flush connection cap and remove cap.
- (9) Connect servicing trolley waste resupply hose to ground flush connection.
- (10) With toilet drain valve in open position, pump approximately 2 gallons of clean water from trolley to flush rinse toilet tank.

**NOTE:** Commercial detergents and disinfectants may be included in the flush rinse cycle, however, the final toilet charge must not include these materials.

- (11) Allow water to drain and release drain valve, or select and hold valve switch until valve indicator displays SHUT, as applicable. Release switch.
- (12) Push 'Y' coupling 'T' handle in to insert plug, rotate handle approximately 120 degrees clockwise to secure plug and withdraw handle.

**NOTE.** If handle is difficult to withdraw the drain plug is not properly locked, repeat insertion of plug.

- (13) Disconnect drain coupling.

- (14) Charge toilet through toilet bowl with 4 ounces of germicidal toilet deodorant. Charge tank through ground flush connection with 1.2 gallons ( -17 model) or 1.5 gallons (-39, -56 and -68 models) of clean water. Push toilet flush button once.

**NOTE:** To protect toilet recirculation system against freezing temperatures, add a suitable anti-freeze to the flush liquid in the ratio recommended by the anti-freeze manufacturer.

- (15) Check drain plug for signs of leakage.
- (16) Close hinged cap and secure drain cap handle.
- (17) Disconnect ground flush hose and allow pipe to drain, install and secure ground flush connection blanking cap.
- (18) Make sure the system has no leaks.
- (19) Make sure spilled and leaked fluid is removed and has not contaminated the aileron cables and cable seals together with other control system cables and mechanism located below the cabin floor.
- (20) Close and secure toilet service point access panel.
- (21) Select ROOF/STEP LIGHT switch to OFF.

### **Recharge Electrical Flushing Toilet (Manually)**

<b>Equipment/Materials</b>	<b>Part/Item No.</b>
Drain plug extraction handle	Kaiser Roylyn T409
Receptacle	8 gallons capacity
Germicidal toilet deodorant	Monogram DC-19 or Ardrox 1809

- (1) Select ROOF/STEP LIGHT switch to ON and make sure, by holding toilet service valve switch to SHUT, that valve indicator displays SHUT Release switch.
- (2) Open toilet service point access panel.
- (3) Check drain for signs of leakage.
- (4) Position receptacle under drain point. Disengage drain cap handle and open hinged cap.
- (5) Engage plug extraction handle in center of drain plug, rotate handle counterclockwise approximately 120 degrees to release plug locking mechanism and remove plug from drain.
- (6) Select and hold valve switch until valve indicator displays OPEN. Release switch.
- (7) Make sure the toilet tank empties completely.
- (8) With toilet drain valve open, pour 2 gallons of clean water into toilet through toilet bowl and allow to drain.

**NOTE:** Commercial detergents and disinfectants can be included in the flush rinse cycle, however, the final toilet charge must not include these materials.

- (9) Allow water to drain and release drain valve, or select and hold valve switch until valve indicator displays SHUT, as applicable. Release switch.

- (10) Charge toilet through toilet bowl with 1.2 gallons (-17 model) or 1.5 gallons (-39, -56 and -68 models) of clean water.
- (11) Check the lower waste pipe for signs of leakage.
- (12) Insert plug assembly in waste pipe, rotate handle approximately 120 degrees clockwise to lock drain plug and remove handle.

**NOTE:** If handle is difficult to remove, drain plug is not properly locked, repeat insertion of plug.

- (13) Close hinged cap and secure drain cap handle.
- (14) Make sure the system has no leaks.
- (15) Make sure spilled and leaked fluid is removed and has not contaminated the aileron cables and cable seals together with other control system cables and mechanism located below the cabin floor.
- (16) Close and secure service point access panel. (17) Select ROOF/STEP LIGHT switch to OFF.