SERVICING AIRCRAFT TOILET  
(Customer option)

Some METRO II aircraft are equipped with a flushing, chemical toilet which utilizes ordinary tap water and a germicidal deodorant as a flush fluid. The toilet is a modular unit which uses 24 - 28 volt DC aircraft power for operating the electric flushing pump. The toilet is designed for semi-permanent installation in the aircraft, requiring only the removal of the waste tank when servicing is desired. If required, however, the toilet can be disconnected electrically at a quick disconnect fitting and removed from the airplane to provide additional room for cargo.

Operation

The toilet is flushed by opening and closing the cover (See Figure 19). With aircraft power on, lift the cover, wait approximately 15 seconds, and close the cover to start the flushing cycle (approximately six to ten seconds). The flushing pump receives power through a five amp circuit breaker on the nonessential bus. During the flush cycle, flushing fluid is pumped from the flushing reservoir to the bowl and into the waste container. For sanitary reasons, the waste is completely isolated from the flushing reservoir.

Initial Precharge

The removable waste container should be precharged with two quarts of water and an appropriate amount of flushing chemical mixed according to the manufacturer's specifications. The flushing reservoir should be filled with a similar mixture of water and flushing chemical to the "Fill to here" line inside the tanks. One quart of fluid is sufficient. Thus, servicing the toilet with an initial precharge nominally requires a total of three quarts of fluid (six pounds). This precharge is included in the 28 pound weight of the toilet.

Removing The Waste Container For Servicing, (See Figure 17)

1. Pull up on the lifting strap at the rear of the lid assembly to release the friction lock.

2. Hinge the assembly forward to the full open position and rest the lid on the retaining strap.

3. Remove the waste container cover from the bracket and snap it into place on the opening to the waste container.

4. Grasp the wire handle on top of, the waste container and lift the container out of the toilet. If the waste container seems to be stuck, a steady pull will release the bucket from the firmly-seated perimeter seal.
**Empting And Cleaning The Waste Container**

1. Remove the cover from the waste container and dispose of the contents in a commode or sewer.

2. Rinse the waste container thoroughly.

**NOTE:** Commercial detergents and disinfectants can be included in the rinse water if desired. However, do not include these materials in the tank precharge.

3. Rinse and drain the tank several times to ensure that the tank is thoroughly clean.

4. Wipe the exterior surfaces of the tank using a cloth moistened with clean water and disinfectant.

**Cleaning The Toilet**

The toilet should be cleaned inside and out with Lysol spray or similar product each time it is serviced. This disinfects as well as cleans the unit and provides a more hygienic, odor-free toilet.

**Precharging The Waste Container**

Precharge the waste container with two quarts of water and flushing chemical as described above in "INITIAL PRECHARGE".
NOTE: To ensure toilet flushing during freezing weather, add a small amount of ethylene glycol base anti-freeze to the flush fluid. The manufacturer of the toilet, Clean Flush, offers a suitable anti-freeze solution in small bottles. Other brands, designed for this purpose, may be used.

**Reinstalling The Waste Container**

1. Re-install the waste container in the toilet and press down firmly on container corners to assure proper placement of the seal in the groove so as to prevent leakage of the flushing liquid into the bucket receptacle.

2. Before closing the unit, check to ascertain that the bucket cover has been removed and stowed on the bracket provided.

3. Check toilet for freedom of movement of the cover and waste container gate valve.

4. Turn on the aircraft battery switches and check for proper flushing operation of the toilet (approximately six to ten seconds). Leave the cover closed.

5. If toilet will not flush, check that the aircraft battery switches are on, the toilet circuit breaker is set, and the quick disconnect fitting at the rear of the toilet is connected to the electrical source. Also check the liquid level in the flushing fluid reservoir.

**Changing The Flushing Liquid**

The flushing liquid needs changing only occasionally depending on toilet usage. Usually once to every five or ten times that the waste container is serviced.

1. With aircraft DC electrical power available and the toilet cover and seat raised, activate the pump by inserting a coin, key or metal object in the slot located at the left rear corner of the toilet bowl. Maintain contact for several seconds until the flushing liquid has been pumped into the waste container.

2. Add approximately one quart of water and chemical until the fluid level reaches the "Fill to here" line inside the fluid reservoir.

3. Close the seat assembly and press the fastener into place.