

**Aviation Fabricators Inc.
805 North Fourth Street
Clinton, MO. 64735**

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

for
1, 2 & 3 Place Side Facing Divans and
1 & 2 Place Side Facing Divans with Flushing and Non Flushing Toilet

Document No.: AF-445

Revision "D"

Revision Date: 05/22/17

Applicable to:

Cessna 500, 501, 550, 551, S550 and 560

Modified by FAA STC SA4054SW

The information in the Instruction for Continued Airworthiness is FAA accepted material and complies with 14CFR 25.1529, Instructions for Continued Airworthiness. It supersedes or adds to that provided in the Maintenance Manual for the Cessna 500, 550, S550 and 560 Aircraft, only where covered in the items contained herein. For limitations and procedures not contained in the Supplement, consult the Component Maintenance Manual, or other approved airplane data.

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REVISION PAGE

Document Title: Instructions for Continued Airworthiness

Prepared By: Todd Pogue

Log of Revisions				
REV. NO.	EFFECTED PAGE(S)	DESCRIPTION	DATE	APPROVED BY
Orig. Issue	All	Initial Release	02/27/09	Jeffrey R. Lowe
A	All	*In Section 3.0 Dim & Access: Added seat cushion, seat belt, and underseat storage removal instructions *In Section 5.0 Leveling and Weighing: Added toilet weight information and instructions *In Section 9.0 Servicing: Added instructions 1 and 5 to Divan Service Instructions for Upholstery Cleaning And added diagrams for toilet removal, seat belt and inertia reel removal, drawer removal and close-out panel removal	04/09/09	Jeffrey R. Lowe
B	All	*Updated Section 5, Leveling and Weighing with divan weight information *Added Section 12, Troubleshooting *Updated Section 10, Airworthiness Limitations to latest format	01/11/13	Jeffrey R. Lowe
C	P12	*Added alternate available push button restraint p/n's to Section 8.0 paragraph 4 *Added Paragraphs D.2. and D.3. to Section 9 for Timer and Pump replacement on toilet assembly	03/16/15	Jeffrey R. Lowe
D	P12	*Added alternate restraint P/N 7-GN00L0L0L3-01SSC to Section 8.0 paragraph 4	05/22/17	Jeffrey R. Lowe

Per the requirement of Appendix H of 14 CFR Part 25 paragraph H25.1 (c), the changes made to the ICA by the applicant will be distributed via mail by means of paper copy.

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1.0 INTRODUCTION

The purpose of this Maintenance Manual Supplement and Instructions for Continued Airworthiness (ICA) is to provide the maintenance technician with the information necessary to ensure the continued airworthiness of the Aviation Fabricators 1, 2 or 3 place divan, per installation numbers 42,0145K, 42,0146K, 42-0147K, 42-0179K, 42-0289K, 42-0290K, 42-0288K, 42-0288K-NF, 42-0354K and 42-0354K-NF, when installed in accordance with Aviation Fabricators design data included on Data List AF-168 and per Supplement Type Certificate (STC) No. SA4054SW.

Modifications to an aircraft obligates the operator to include the maintenance information provided by this document into the operators aircraft Maintenance Manual and operator's aircraft scheduled maintenance program. This document defines supplementary maintenance operations and frequencies recommended by Aviation Fabricators Inc., to ensure the aircraft's airworthiness.

The information contained herein addresses the requirements specified in 14 CFR 25.1529, Instructions for Continued Airworthiness and supplements the basic Airplane Maintenance Manual only in those areas listed as pertains to the installation of divan seats, as installed per the Aviation Fabricator Data List AF-168. For limitations and procedures not contained in this supplement, consult the basic Airplane Maintenance Manual.

DATA

All information to support the continued airworthiness of this modification is contained in:

STC SA4054SW.

STC drawing list: AF-168.

Installation: STC drawing list: AF-168:

Drawing D-10337 for p/n's 42-0145, 42-0146, 42-0147

Drawing D-10343 for p/n's 42-0179, 42-0289, 42-0290

Drawing D-10398 for p/n's 42-0288K, 42-0288K-NF

Drawing D-10543 for p/n's 42-0354K, 42-0354K-NF

Parts: Refer to 42-0145K, 42-0146K, 42-0147K, 42-0179K, 42-0289K, 42-0290K, 42-0288K, 42-0288K-NF, 42-0354K and 42-0354K-NF and respective drawings as listed on STC drawing list AF-168.

Flushing & Non-flushing Toilet Assemblies (42-0288K, 42-0288K-NF, 42-0354K and 42-0354K-NF): Refer to the Service Instructions for Clean Flush Aircraft Toilet unit in Chapter 11 of this document.

The divan is a self contained complete assembly that mounts to the existing seat track, using standard fittings, in accordance with approved floor plans.

Toilet Assembly

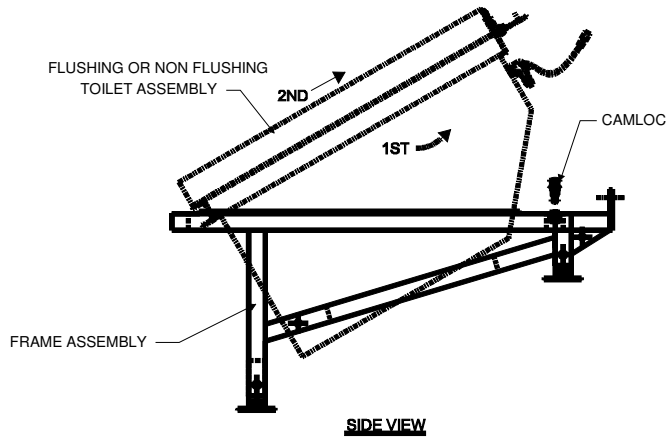


Figure 1.0A

Seat Belt & Inertia Reel

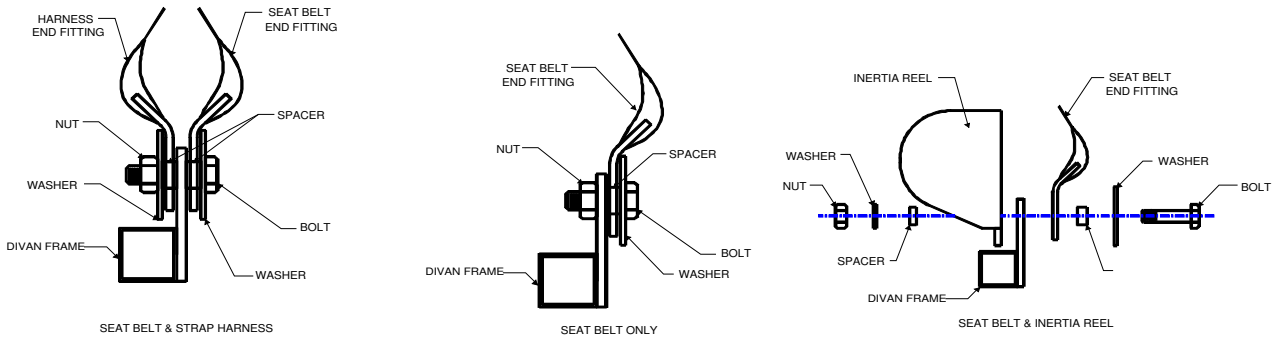


Figure 1.0B

Close-out Panel Assembly

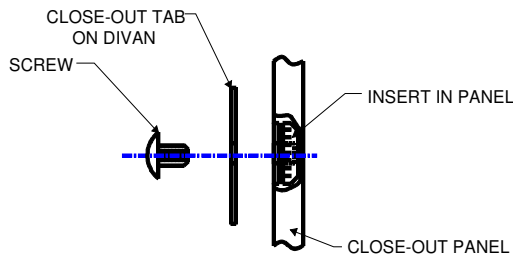


Figure 1.0C

Underseat Drawer

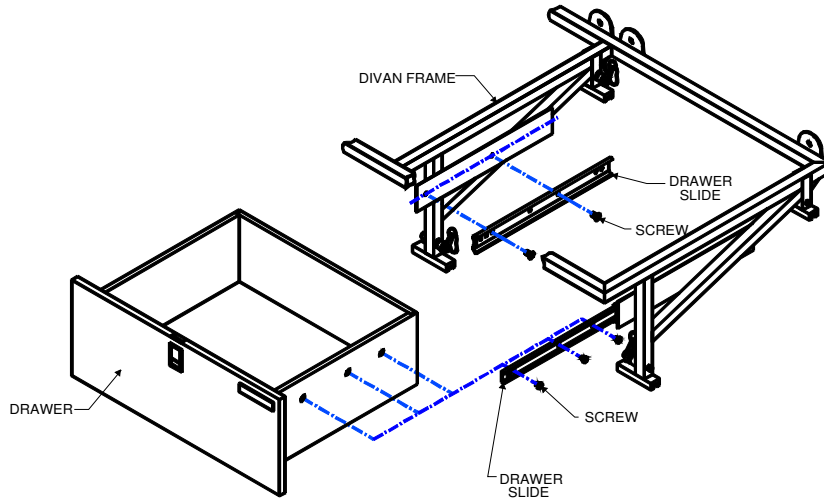


Figure 1.0D

1, 2, & 3 Place Divans

P/N's 42-0145, 42-0146(shown), & 42-0147

Top not shown for clarity

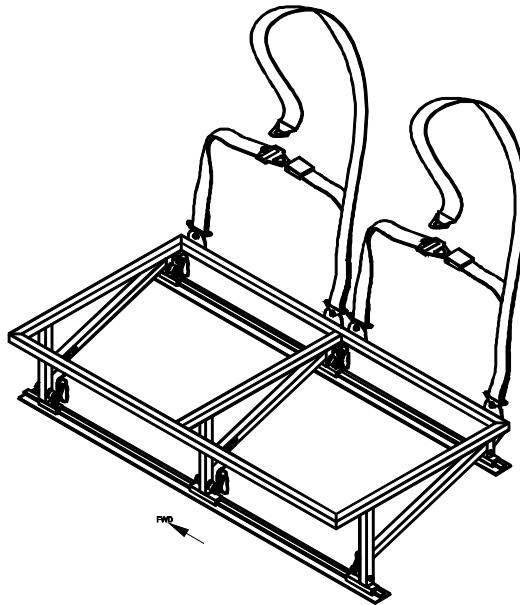


Figure 1.0E

1, 2, & 3 Place Lounge Seat Extensions

P/N's 42-0179, 42-0289(shown), & 42-0290

Top not shown for clarity

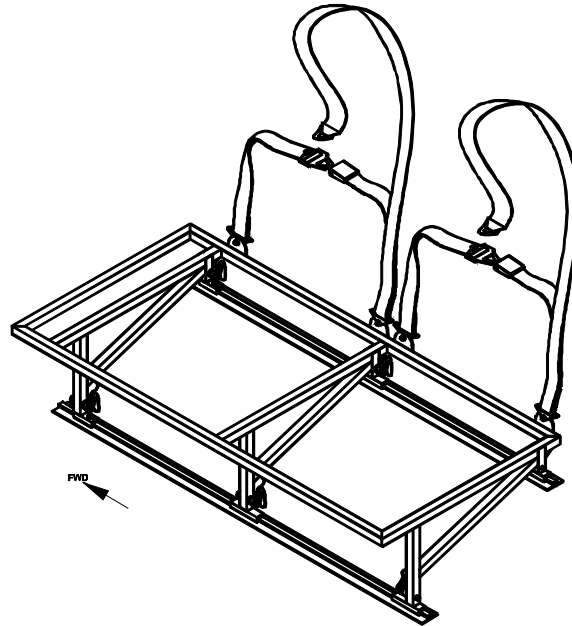


Figure 1.0F

1 Place Lounge Seat Extension Toilet Mod

P/N's 42-0288K & 42-0288K-NF

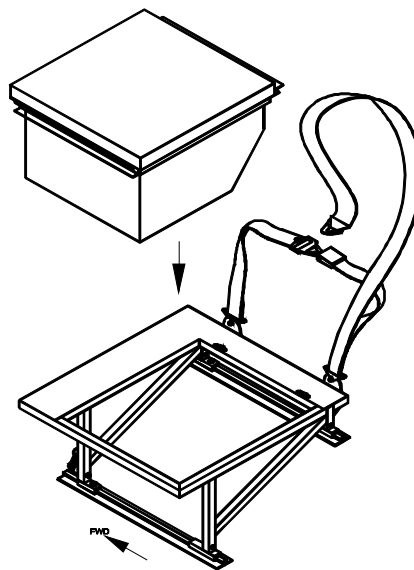


Figure 1.0G

2 Place Lounge Seat Extension Toilet Mod
P/N's 42-0354K & 42-0354K-NF

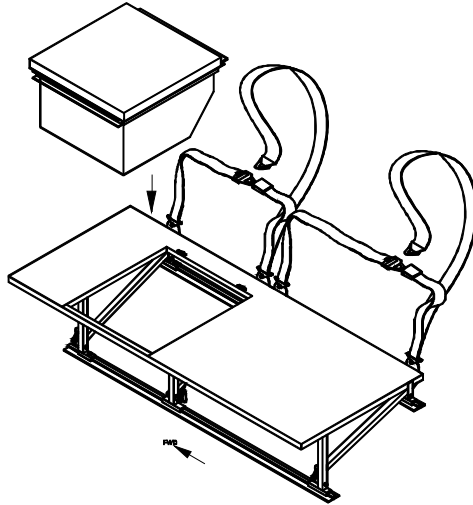


Figure 1.0H

2.0 INSPECTION REQUIREMENTS AND OVERHAUL SCHEDULE

1. To comply with 14 CFR Part 23.1529 and 14 CFR 25.1529, continue the new divan and restraint system on the same inspection and maintenance schedule used per the Cessna Maintenance Manual for seats.
2. Optional flushing toilet maintenance schedule:
 - a. Service and clean after each flight when toilet is used.
3. Optional non flushing toilet maintenance schedule:
 - a. Service and clean after each flight when toilet is used.

Annual and/or 100 hour inspection

1. The modified systems require no service other than inspection at normal inspection intervals.

Task Code			Schedule	Date	Mech	Insp
AFI-100	a.	Inspect for damage to upholstery.				
AFI-101	b.	Inspect safety belts for wear, cuts, fraying, damage, and deterioration.				
AFI-102	c.	Inspect safety belt attachment fittings for wear and damage				
AFI-103	d.	Inspect foot fittings for damage, security, and function.				
AFI-104	e.	Inspect seat frame for damage, and corrosion.				
AFI-105	f.	Inspect overall seat for fit and function.				
AFI-106	g.	Check operation of toilet assembly				

- A. The new divan and restraint system on the same inspection and maintenance schedule used per the Cessna Maintenance Manual for seats.
- B. Optional flushing toilet maintenance schedule:
 1. Service and clean after each flight when toilet is used.
- C. Optional non flushing toilet maintenance schedule:
 1. Service and clean after each flight when toilet is used.

3.0 DIMENSION AND ACCESS:

The installation of the divan seats does not change the dimensions of the aircraft or alter the access to any existing aircraft system.

Divan Assembly

The divans are self contained complete assemblies that mount to the existing aircraft cabin seat track using standard fittings in accordance with approved floor plans.

Cushions

Seat back and seat bottom cushion assemblies are removed by simply pulling the cushion inboard away from the Velcro on the sidewall or up away from the Velcro on the pan of the divan assembly, respectively.

Seat Belt

Seat belt and inertia reel removal is accomplished by loosening attaching hardware and removing from the divan frame bracket. Ref. Figure 1.0B

Closeout Panels

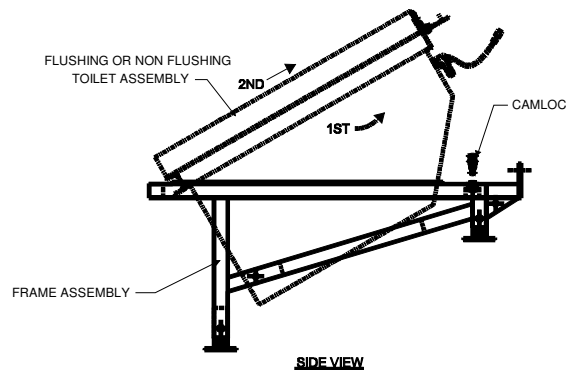
Underseat close-out panel removal is accomplished by removing screws from under the divan that are attached to inserts in back of panel and attached through tabs on divan frame. Ref. Figure 1.0C

Drawers

Underseat drawers are removed from the divan by removing slide screws attached to the drawer sides. The drawer slides are removed from the divan by removing attaching screws. Figure 1.0D

Flushing and non flush unit

Access to the flushing and non flushing toilet assembly is accomplished after the cushions are removed. Remove the Camloc screws from the outboard side of the toilet assembly and lift outboard edge of the toilet. Slide the toilet outboard so that the attaching channel is removed from the seat frame inboard top rail. Then remove toilet straight up out of the frame assembly.



For access and waste removal instructions refer to the Service Instructions for Clean Flush Aircraft Toilet unit in Chapter 11 of this document.

4.0 LIFTING AND SHORING

No change.

5.0 LEVELING AND WEIGHING

Due to variable divan options and weights it is the responsibility of the installer to determine the exact final divan weight and location when installing and removing the divan. For reference, the typical divan frame assembly and sub part weights are listed as follows:

Note: Lounge Seat Extension (LSE)

1 Place Divan or LSE	= 13.5 lbs
2 Place Divan or LSE	= 17 lbs
3 Place Divan or LSE	= 25.5 lbs
Seat Belt and Hardware	= 1.5 lbs per seat place
Plug in Armrest	= 1.5 lbs each
Armrest Box Assembly (not including armrest)	= 3 lbs each
Drawer Assembly	= 5 lbs each
Stowable Armrest	= 5 lbs each
Collapsible Armrest	= 1.5 lbs each
Close-out Panel	1 plc = 5 lbs 2 plc = 5 lbs 3 plc = 10 lbs
Maximum Allowable Divan Weight w/ Seat Bottom Cushion and Underseat Storage	1 plc = 60 lbs 2 plc = 110 lbs 3 plc = 165 lbs
The dry weight of the LSE toilet mod (less belts)	1 plc = 23.5 lbs 2 plc = 27 lbs
The additional fluid for the flushing reservoir	= 7.2 lbs

6.0 TOWING AND TAXIING

No change.

7.0 PARKING AND MOORING

No change.

8.0 PLACARDS AND MARKINGS

Up to 4 placards are required in conjunction with this modification:

1. If optional drawers are installed, placard part number 15-0025 must be installed at the top of the face of the drawer where visible when open or closed.

MAXIMUM WEIGHT OF 20 LBS
DRAWER MUST BE STOWED
DURING TAKE-OFF AND LANDING

2. If optional close out panels are installed, placard part number 15-0060 must be installed on the top outside of the close-out panel door so that it is visible when the door is closed.

MAX WEIGHT
10 LBS.

3. If optional center armrest is installed, placard part number 15-0074 must be installed in plain view of the seat occupant.

CENTER ARMREST MUST
BE REMOVED DURING
TAKE-OFF AND LANDING

4. A placard stating “to install harness over seat occupant’s fwd shoulder” is sewn on to the restraint systems and should be legible and easily viewed by the seat occupant. Available restraint system part numbers: 3092-4-051-2396, 3088-4-031-2396, 3268-3-011-2396, 3210-1-061-2396, and 7-GN00L0L0L3-01SSC.



Figure 8.0A

9.0 SERVICE INFORMATION

Typical Divan and Lounge Seat Extension Service Instructions:

A. Upholstery Cleaning:

Divan Service Instructions

1. Remove seat back and seat bottom cushion assemblies from sidewall and divan top.
2. If possible dry clean fabric cushions.
3. If dry cleaning is not possible clean fabric with Armour All fabric cleaner or equivalent.
4. Clean leather with Armour All leather cleaner or equivalent.
5. Clean drawer and/or close-out panel finish using Armour All multi-purpose cleaner or equivalent.
6. Clean and inspect restraint system for damage or excessive wear.
7. Inspect all attachment fittings and replace if necessary.
8. Inspect overall seat for fit and function.

B. Optional Non Flushing Toilet Service Instructions:

Non flushing Toilet Service Instructions

Before Using

1. Open lid and remove toilet seat ring.
2. Place bucket under toilet seat ring opening.
3. Place plastic bag into the bucket to catch waste.
4. Replace toilet seat ring.
5. Close lid.

Servicing Unit After Use

1. Open lid and remove toilet seat ring.
2. Close plastic bag in bucket and tie.
3. Place lid on bucket.
4. Remove bucket and dispose of waste bag.
5. Wash bucket and lid with soap and water
6. Disinfect lid and bucket with Lysol disinfectant, or equivalent.
7. Wash toilet seat ring with soap and water.
8. Disinfect toilet seat ring with Lysol disinfectant, or equivalent.
9. Once monthly disinfect inside of cabinet with Lysol disinfectant, or equivalent.

C. Optional Flushing Toilet Service Instructions:

Flushing Toilet Service Instructions

Before Using

1. Fill the reservoir with water to "Fill to Here" line.
2. Add 2 ounces of Aerofresh chemical deodorant for toilets, or equivalent.
NOTE: If the aircraft is parked in sub-freezing temperatures, ensure the appropriate amount of toilet type antifreeze is added to the mixture.
3. Replace the bowl assembly on cabinet seal. Wipe down the bowl and seat with Lysol disinfectant, or equivalent.
4. Close lid.

Servicing the Unit After Use

1. Lift the bowl assembly about 6 inches and tilt assembly backwards at least 100 degrees. Rest bowl assembly on cabinet seal at rear of cabinet.
2. Place cap on waste container.
3. Remove container from cabinet.
4. Dispose of contents.
5. Clean inside of waste container by "sloshing" with soap and water mixture and drain completely.
6. Wipe down outside of container with Lysol disinfectant or equivalent and spray inside the container
7. When ready to reinstall waste container in toilet pre-charge with 1 quart of water and 2 ounces of Aerofresh toilet chemical deodorant, or equivalent.
8. Re-install waste container in toilet and close lid.

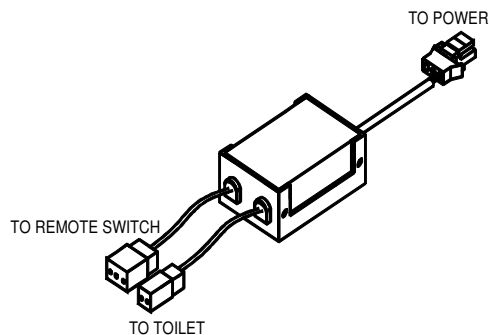
D. Toilet Trouble Shooting(Optional Flushing Toilet):

1. Perform the following procedures to isolate and identify possible problems:

<u>Problem</u>	<u>Probable Cause</u>	<u>Action</u>
Toilet will not cycle	Aircraft power not operating	Check aircraft power, fuses, circuit breakers. Check input power to toilet.
	Defective switch or wiring	Check switch or wire for continuity.
	Defective flushing pump Motor. (See Note)	Replace pump. (See Instruction D.3.)
	Defective timer.	Replace timer (See Instruction D.2.)
Toilet cycles but little or no flushing liquid pumps to bowl.	Inadequate flushing fluid In reservoir.	Fill reservoir to "Fill to Here" line.
	Broken or loose pump hose	Replace hose
	Broken or loose pump Impeller	Replace pump. (See Instruction D.3.)

Note: To determine if the pump is defective, connect a separate power supply to the pump leads. If the pump does not operate, replace the pump. If the pump operates, replace timer.

2. To replace Timer (P/N 5000-2-5A) unplug the existing timer assembly from the aircraft, toilet power, and switch lines and install a new Timer in its place.

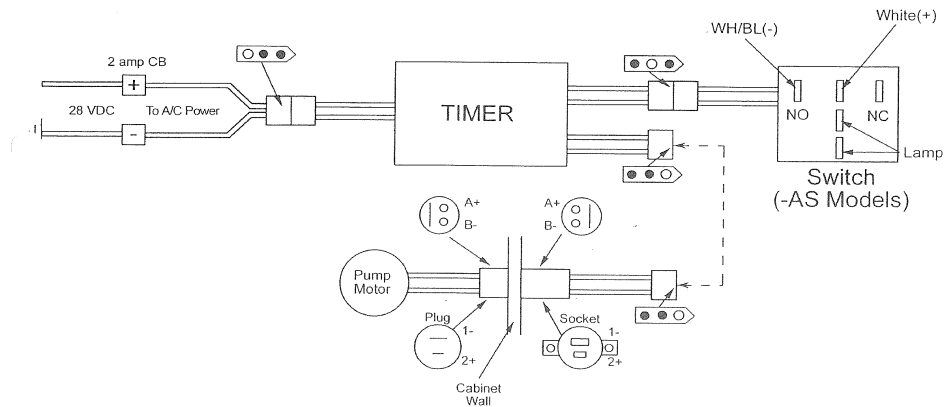


3. To remove and replace flushing pump (5250-1):
 - a. Disconnect unit from power supply.
 - b. Lift bowl assembly from cabinet. Disconnect pump wire plug from cabinet socket.
 - c. Place bowl assembly flat on work surface, seat side down being careful to protect plastic from scratching.
 - d. Remove screw(s) holding wire clamp. Remove clamp(s) from wire and save for reinstallation later.
 - e. Remove pump from bowl assembly by pulling straight up and rocking back and forth.
Note: There is a sealant/adhesive or double-faced foam tape in the pump cavity for retention. The hose will also hinder removal and it may be easier to cut the hose and replace it with a new one.
 - f. Remove hose from bowl fitting.
 - g. Clean all sealant/adhesive or foam tape from the cavity.
 - h. Lubricate new hose on the interior of each end with silicone grease or petroleum jelly and install it on the bowl fitting by pressing straight down.
 - i. Place a small amount of sealant or double-facing foam tape in the pump cavity. Ensure the small hole in the side of the cavity is not covered.
 - j. Place the new pump into the cavity and align the hose with the pump barb fitting. Check that the two fittings are aligned.
 - k. Press the pump into the cavity and onto the hose with firm pressure straight down.
Note: The pump power wire outlet should come within approximately .188" of the bowl surface.
 - l. Replace the wire clamp(s) to their original location(s).
 - m. Lubricate the plug and socket with electrical silicone grease and connect.

E. Optional Flushing Toilet Functional Test:

TOILET FUNCTIONAL TEST:

1. Fill reservoir to "Fill to Here" line.
2. Check that pump power wire plug is plugged into socket on rear wall of cabinet.
3. Check that timer is connected to aircraft power, pump power wire and to flush switch.
4. Depress and release flush button. Observe that flushing action continues for approximately 1 second. (There are approximately 10 – 13 flushes available in the reservoir.)



F. RECOMMENDED OVERHAUL PERIODS

No additional overhaul time limitations.

10.0 AIRWORTHINESS LIMITATIONS

The Airworthiness Limitations section is FAA approved and specifies maintenance required under Sec. 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

There are no Airworthiness Limitations to the aircraft with the addition of the 1, 2 and 3 Place Side Facing Divan installed by this STC.

11.0 SERVICE INSTRUCTIONS FOR CLEAN FLUSH AIRCRAFT TOILET UNIT

SERVICE INSTRUCTIONS

Clean-Flush[®]
AIRCRAFT TOILETS

MANUFACTURED & MARKETED BY



ALAMO ACCESSORIES, Inc.

10843 Vandale
San Antonio, Texas 78216
(512) 349-9721
(512) 340-1088

**HOW DOES THE *Clean-Flush* EXCLUSIVE DUAL COMPARTMENT
TOILET DIFFER FROM OTHERS?**

Aircraft toilets present many challenging problems. Since they are not connected to a fresh water supply or sewer, the bowl cleaning function can be accomplished only by recirculating some of the contents of the toilet itself. Before the introduction of the *Clean-Flush* dual compartment concept, all aircraft flushing toilets worked on the single compartment principle, using an offensive mixture to accomplish the bowl rinsing function.

Considerable research went into the *Clean-Flush* concept, taking into account a more hygienic and less offensive flushing method, ease of servicing, function and reliability without dependence on specialized ground servicing equipment, and overall weight savings. The attainment of these features became a reality with the development of the exclusive *Clean-Flush* patented dual compartment design.

With this concept, the waste container is sealed when not in use as well as when removed for servicing. The recirculating pump remains in the clean flushing reservoir. This precludes the need for troublesome motorized strainers because such apparatus is not required when the bowl rinsing function is kept isolated from the sealed waste container.

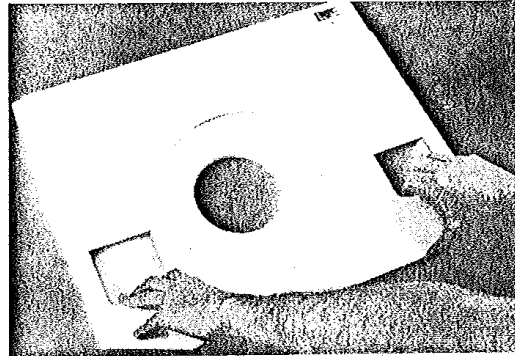
All airborne sanitation systems by necessity are a compromise of innovations. The most desirable features are obtained through the *Clean-Flush* dual compartment concept.

We are pleased at your selection of *Clean-Flush* for one of the important necessities on board your aircraft. We suggest that you acquaint yourself with *Clean-Flush*'s different concept of operation for easy servicing and long trouble-free service life.

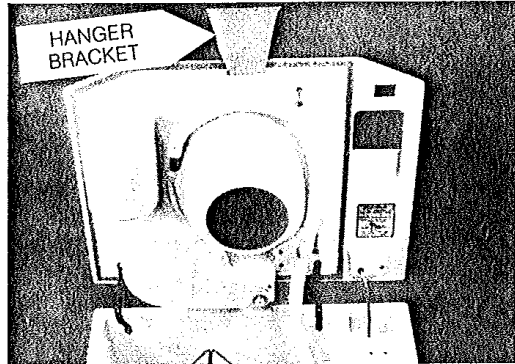
This booklet has been prepared in question and answer form to provide ready answers for anyone who may be servicing a *Clean-Flush* toilet.

**HOW DO YOU GAIN ACCESS TO
WASTE CONTAINER AND
FLUSHING RESERVOIR?**

1. By opening the two compartment doors and lifting at the front edge, the snap latch will release and the bowl assembly may be hinged to the rear.

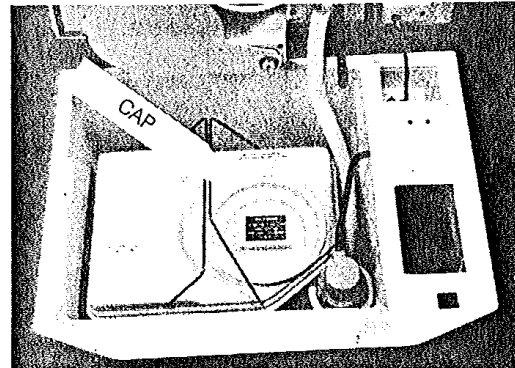


2. With hanger bracket on seat, slip forward edge of bowl under bracket so as to engage bracket in slot on bottom of bowl assembly.



**HOW IS WASTE CONTAINER
REMOVED FOR SERVICE?**

3. Raise handles and snap cap into place on the container.

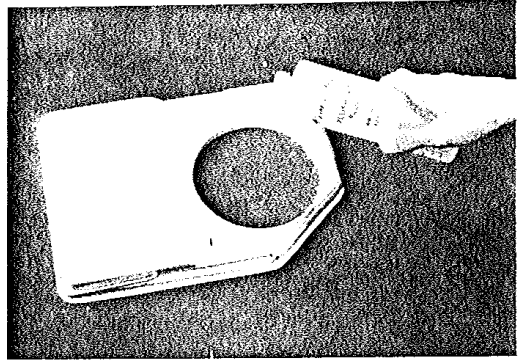


4. If waste container seems to be stuck, a steady pull will release bucket from the perimeter seal. Remove waste container, dispose of contents in commode and rinse prior to reservicing.



HOW IS WASTE CONTAINER SERVICED?

5. Add approximately 2 oz. *Clean-Flush* per quart of water. One quart precharge should be adequate for normal operations.

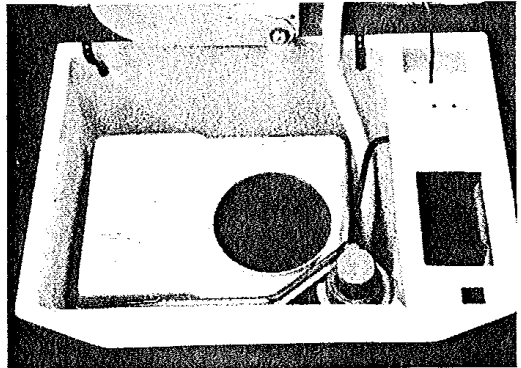


WHAT PRECAUTIONS ARE NECESSARY WHEN INSTALLING WASTEBUCKET?

6. Press down firmly on container corners to assure proper placement of seal in groove so as to prevent leakage of flushing liquid into bucket receptacle. Note: Occasionally lubricate seal with Vaseline prior to inserting container.

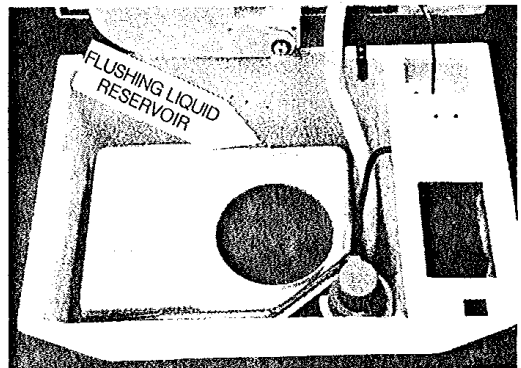


7. Before closing unit, check to ascertain that waste container cap has been removed and stowed on bracket provided.



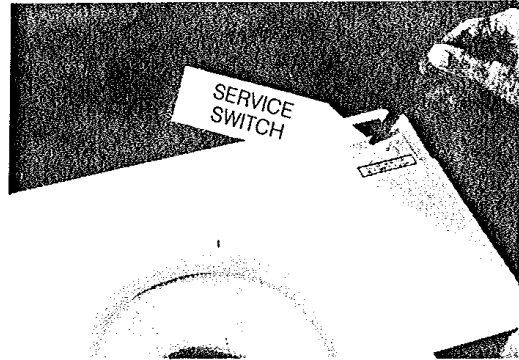
HOW DO YOU TELL IF FLUSHING LIQUID NEEDS CHANGING?

8. The flushing liquid needs changing only occasionally, depending upon toilet usage. Usually once to every 5 to 10 times that the waste container is serviced. If the flushing liquid has been changed recently and appears to have correct chemical balance it does not necessarily need changing.



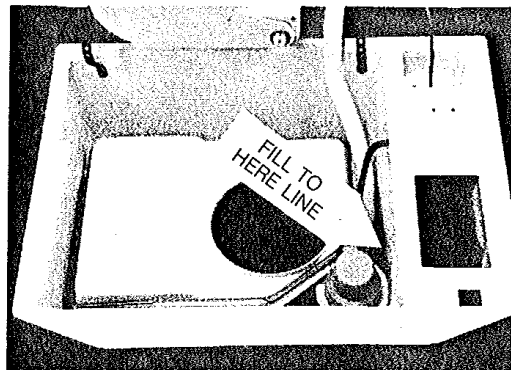
HOW DO YOU CHANGE FLUSHING LIQUID?

9. With aircraft DC electrical power on, activate toilet pump by inserting a pencil or other small object in hole marked "Service Switch". Maintain contact for several seconds until flushing liquid has been pumped into waste container.

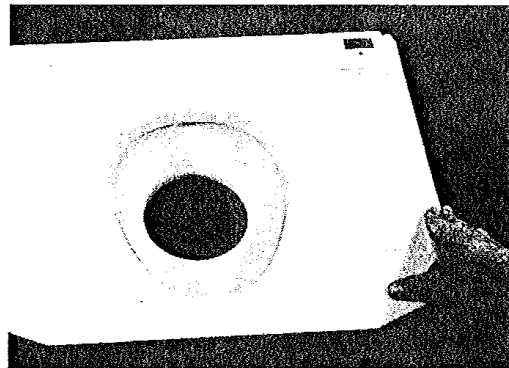


HOW IS FLUSHING RESERVOIR SERVICED?

10. Add a mixture of one quart of water to 2 oz. *Clean-Flush* chemical until it reaches "Fill to Here" line inside tank. (Approximately two quarts.)

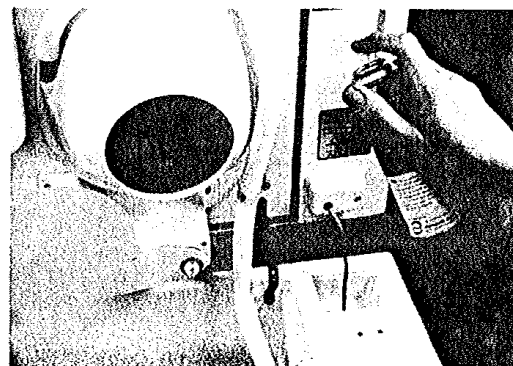


11. Close bowl assembly and press fastener into place. Stow hanger bracket. Toilet is now ready for use.



WHEN AND HOW SHOULD THE *Clean-Flush* BE CLEANED?

12. 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.



SERVICE CHECK FOR PROPER OPERATION

1. With aircraft power on press operating switch and check for proper flushing cycle. (Approx. 6 to 10 seconds)
2. Check for freedom of movement of waste container gate valve. (No binding of moving parts such as might occur if waste container were not properly seated.)
3. Check general cleanliness and condition of unit.

NOTE: Since the waste container is completely isolated from the flushing reservoir, no special type tissue is needed and foreign objects accidentally dropped into waste container will not affect flushing mechanism or toilet function in any way.

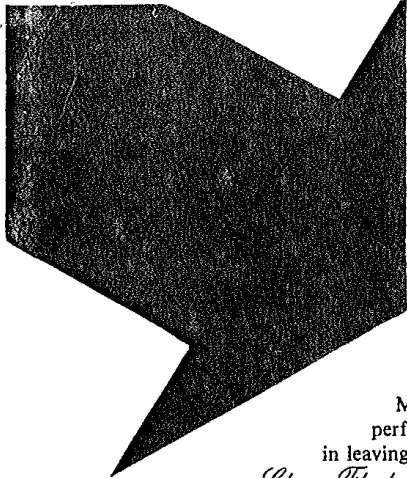
TROUBLE SHOOTING THE *Clean-Flush* TOILET

Toilet Will Not Flush.	Check aircraft power switch on. Check Fuse. Activate service switch or wire direct from power to pump to check pump operation. (Note) If pump operates satisfactorily, the problem is in the timer.
Toilet Pump Operates But Does Not Flush.	Check liquid level in reservoir.
Toilet Has Waste Odor.	Inadequate water and chemical in waste container or improper cleaning of toilet.

CAUTION!

WINTERIZING - If temperatures are below freezing and aircraft is to be stored in un-heated hangar, add *Clean-Flush* anti-freeze to both containers according to antifreeze bottle instructions.

Component parts such as pump, timer, etc., are readily available. Contact your dealer or call Alamo Accessories, Inc., Area Code (512) 349-9721 or (512) 340-1088, San Antonio, Texas.



. A SAFE FLUID that
neutralizes offensive odors —
without a masking after-odor!

Clean-Flush® FLUID

Many chemicals made for self-contained, recirculating toilets contain perfume-like substances to cover up unpleasant odors. They succeed only in leaving a thinly disguised after-odor.

Clean-Flush Fluid is a unique, laboratory-produced compound that is designed to neutralize offensive odors. It contains no masking substances and leaves no after-odor of its own.

Clean-Flush Fluid can be used in all makes of self-contained, re-circulating toilets by following the Alamo Accessories' recommendations. It is non-flammable and safe.

These additional features make *Clean-Flush* Fluid pleasant and easy to use.

Unbreakable plastic bottles, packed 24 pints per case or 4 gals. per case.

Lightweight for storing on board	Requires only 2 ounces per quart of water to completely service
Semi-clear for viewing contents	

Clean-Flush® ANTIFREEZE

Use of *Clean-Flush* antifreeze will assure trouble-free operation if temperatures below freezing are encountered. *Clean-Flush* antifreeze is specifically selected so as to not harm the adhesives or plastic components of your toilet. It is non-staining and safe to use.

Unbreakable plastic bottles, packed 4 gallons per case are available from your dealer or Alamo Accessories, Inc.

WARRANTY

The undersigned manufacturer guarantees this product to the original purchaser for a period of one year from date of purchase to be free from defect in workmanship or materials affecting the proper operation thereof.

This guarantee is limited to repair or replacement of faulty parts or workmanship when the product is returned to the factory or authorized repair station within the warranty period. The manufacturer assumes no liability for loss or damage other than the obligation to repair or replace as herein limited. Guarantee is void if this product has been serviced improperly by others, or if damaged by casualty, if manufacturer's care and maintenance instructions are not followed, or if unauthorized chemicals or parts are used in connection with its operation, or any physical change is made to the unit.

The manufacturer reserves the right to improve, modify or change its product without obligation as to previously manufactured products.

This warranty is in lieu of any other warranties by anyone, expressed or implied, and the manufacturer has no other liability except as specified above.

**ALAMO ACCESSORIES, INC.
SAN ANTONIO, TEXAS**

12.0 TROUBLESHOOTING

Refer to the existing Aircraft Maintenance Manual for troubleshooting the 1, 2, or 3 place divan installations that is required beyond the information found on the respective installation drawings listed on STC Drawing List AF-168.

For replacement parts or repair of damage parts:

Contact Aviation Fabricators at (660) 885-8317.

Troubleshooting this installation should only be accomplished by FAA approved repair stations with the appropriate ratings or appropriately rated operator/individuals, with required test equipment and service data.