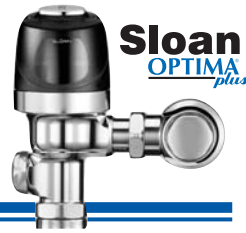




ECOS



G2 OPTIMA plus



Sloan OPTIMA plus

## Maintenance Guide

### ECOS, G2 and Sloan OPTIMA PLUS TROUBLESHOOTING FLOW CHART

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#### ITEMS TO HAVE ON HAND:

- New AA Alkaline Batteries
- New Solenoid (EBV-136-A)
- New Module
  - Closet (EBV-196-A) ECOS
  - Closet (EBV-129-AC) G2, Sloan Optima Plus
  - Urinal (EBV-129-AU) G2, Sloan Optima Plus
- New Button
  - ECOS (WES-23-A)
  - G2, Sloan Optima Plus (EBV-130-A)
- New Diaphragm
  - Closet (EBV-1020-A)
  - Urinal (EBV-1022-A)
- Flat Screwdriver
- 7/64" Hex Wrench

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UNIT DOES NOT FLUSH AT ALL

Press Silver button. Did you hear 2 clicks, 2 seconds apart?

YES

Check if water is on. Inspect, clean or replace diaphragm kit. Make sure inner cover is free of debris.

NO

Stand in front of the unit. Press and hold the Silver button for at least 40 seconds. Release button.

Do you see a flashing light while standing in front of the unit?

NO

Remove cover. Did the light start to flash?

NO

Replace batteries. Light should now flash. If not, replace module.

YES

Batteries are good.

Remove Cover. Disconnect installed solenoid from the back of the module. Plug a new solenoid into the module (leave solenoid on top of module). Step away from the unit.

YES

Replace button assembly.

Did the new solenoid click twice, 2 seconds apart?

NO

Replace module. Remove Magnet. Connect existing solenoid. Replace cover. Press button to activate flush.

YES

Turn off water at the stop. Remove module. Unscrew solenoid from the inner cover. Make sure both large and small O-rings have been removed from the solenoid mounting hole. Remove black cap from the new solenoid. Ensure that both large and small O-rings are in place. Screw new solenoid into the inner cover "hand tight." Install solenoid connector into the back of the module. Reinstall cover. Press button to activate new solenoid. Turn water back on. Press button to flush bowl. If unit continues to flush, go to page 2.

**UNIT IS CONTINUOUSLY FLUSHING**

Turn water off at the stop.  
Press Silver button.  
Did you hear 2 clicks, 2 seconds apart?

**YES**

Clean or replace diaphragm kit. Make sure inner cover is free of debris.  
(If the solenoid has been serviced, hand tighten the solenoid, check for missing or double O-rings on the top of the solenoid.)

**NO**

Stand in front of the unit.  
Press and hold the Silver button for at least 40 seconds.  
Release button.

Do you see a flashing light while standing in front of the unit?

**NO**

Replace batteries (alkaline only).  
Ensure batteries are oriented correctly.  
Light should now flash, if not replace module.

**YES**

Batteries are good.  
Remove Cover.  
Disconnect installed solenoid from the back of the module.  
Plug a new solenoid into the module (leave solenoid on top of module).  
Step away from the unit.

Remove the module.  
Unscrew solenoid from the inner cover. Make sure both large and small O-rings have been removed from the solenoid mounting hole. Remove black cap from the new solenoid. Ensure that both large and small O-rings are in place. Screw new solenoid into the inner cover "hand tight." Install solenoid connector into the back of the module. Reinstall cover. Press button to activate new solenoid. Turn water back on. Press button to flush bowl.

If unit does not flush, check for multiple O-rings.

If unit still continues to flush, repeat this procedure.

**YES**

Did the new solenoid click twice, 2 seconds apart?

**NO**

Replace module.  
Remove Magnet.  
Replace cover.  
Press button to activate flush.



**UNIT FLUSHES WITH BUTTON — NOT IN AUTOMATIC MODE**



Stand in front of the unit.  
Press and hold the Silver button for at least 40 seconds.  
Release button.  
The light will now flash.



Does the light continue to flash when you step away?

**NO** →

Replace module.



**YES**

Remove cover.  
See if the black rubber piece is still mounted behind the front lens cover. Replace if missing.  
If the rubber piece is there, check for scratches on front window. If scratched, replace front lens window.



**DOES NOT FLUSH CORRECTLY**

**FLUSH TOO LONG**



Turn off the water at the stop.  
Clean or replace diaphragm kit.  
Make sure inner cover is free of debris.

**FLUSH TOO SHORT**



Release the pressure on the unit by pressing the button.  
Remove Diaphragm kit then moisten with water the metal tip, O-ring on flex tube and diaphragm disk.  
Insert metal tip of diaphragm into hole in bottom of the flushometer.  
Install flushometer with diaphragm attached into valve body.  
Tighten the main coupling ring. If still short flushing, tighten ring a little more.  
If this does not correct the problem, replace the diaphragm kit.

The information contained in this document is subject to change without notice.