Baxter 6201 and 6301

Proper Loading Instructions

1. Plug the pump in. (The plug icon lights whenever the pump is plugged in. When the pump is not plugged in and is battery-powered, the battery icon will light.)

2. Prepare solution. Prime the set. Ensure all air is expelled from the set.

3. Close set regulating clamp.

4. Open pump door. Raise pump door latch to horizontal position and pull door open.

5. Load the set.

- **a.** Press **SAFETY CLAMP** to open position.
- **b. If your hospital has enabled the slide clamp loading feature**, insert the slide clamp on the I.V. set fully into the slot, so that it is flush with the pump housing. (See **Illustration 1**.) If the slide clamp loading feature is not enabled, a black spring retainer occupies the slide clamp slot and the slide clamp cannot be inserted.
- **c.** Load the tubing through the guide channel from bottom to top as shown in **Illustration 1**.
- **d.** Ensure that the tubing is loaded straight through the pump mechanism tubing guides and safety clamp.
- **e.** Ensure that the tubing is touching the pumping fingers before closing the pump door.

6. Close pump door. If resistance is felt when closing the door, check for misloaded I.V. set.

7. Open set regulating clamp completely.

- **a.** Verify that no drops are falling in drip chamber. If flow is observed, close regulating clamp, recheck I.V. set loading and verify that the proper administration set is being used.
- **b.** If flow is again observed, do not use the pump. Have it inspected by service personnel.

Note: ***Always close the administration set regulating clamp(s) before opening pump door and removing set.***

8. Attach set to I.V. access site.

9. Turn pump on by pressing the **ON/OFF CHARGE** key. Verify that the pump performs the following self-test:

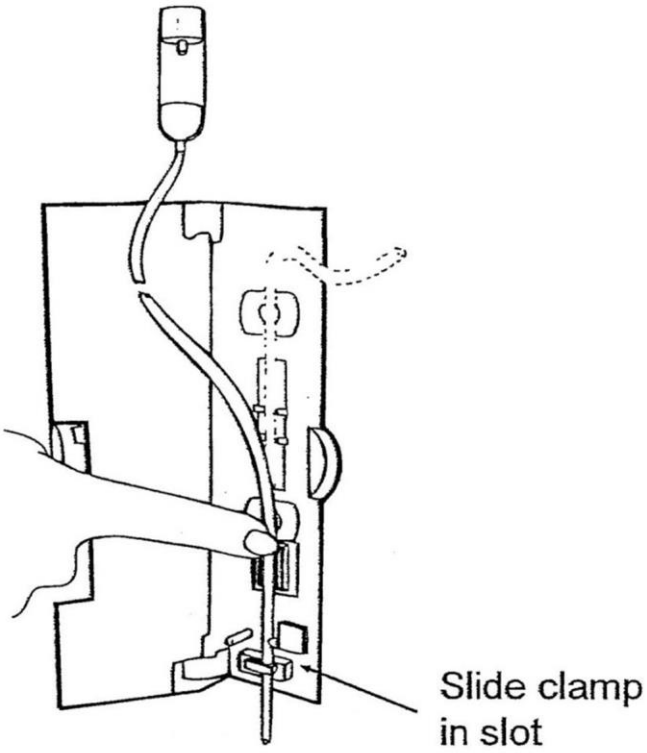
- **a.** All segments of both displays appear momentarily.
- **b.** Three separate audible tones sound.
- **c.** If a Hospital Area Designator (HAD) has been programmed into the pump, it appears for 3 seconds.
- **d.** The occlusion detection level is momentarily displayed in the message display (**LEVEL 1, 2,** or **3**), followed by **AUDIBLE SWITCHOVER** if the Audible Switchover option is enabled.
- **e.** If Auto Restart and Flow Check are both enabled, the message **AUTO RESTART** appears for one second following the occlusion detection level display.

f. If the pump is plugged into an AC outlet, the plug icon is lit. If the pump is running on battery power, the battery icon is lit.

g. If the message **INSERT SLIDE CLAMP** appears when you close the door, the slide clamp loading option is enabled. Close the I.V. set's regulating clamp, open the door, and insert the I.V. set's slide clamp fully into the slide clamp slot located below the safety clamp. Close the door and open the regulating clamp.

10. Set **VOLUME** knob on the rear of the pump to the desired level.

Proper set loading: Make sure blue clamp is inserted into slot firmly. Then run your finger all the way up the line, making sure it is sitting in the correct channel.



I.V. Set Loading

(Illustration 1)

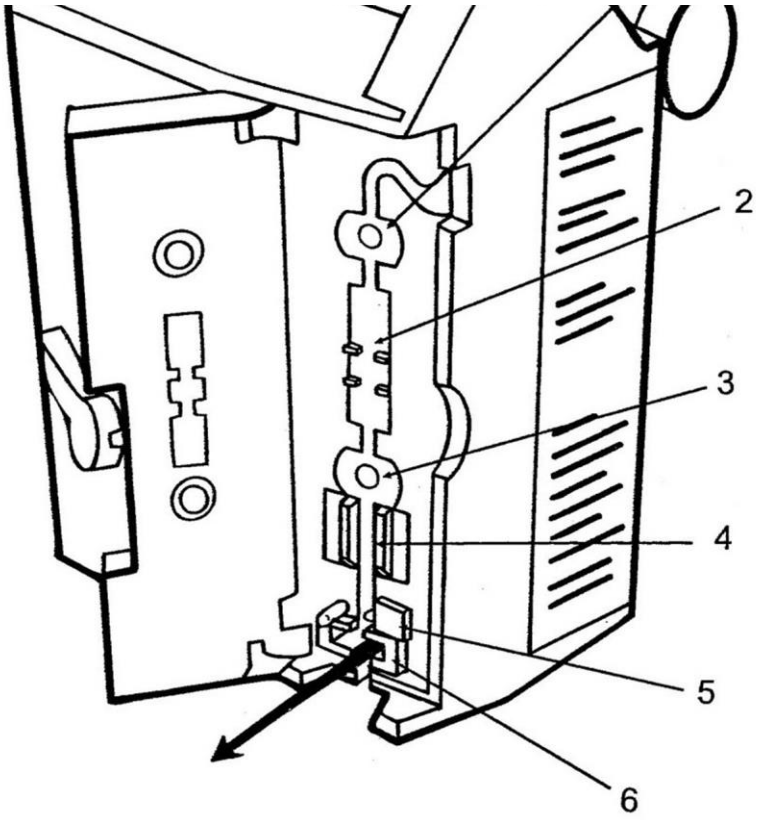
Error Codes

If you have a Baxter 6201 or Baxter 6301 with an error code F49 or F94, you can usually reset that error code quickly and easily with the process detailed on pages 5 & 6 of this document - so you won't have to send in your pump!

In some cases, the F49 or F94 error code is caused by a bad battery. If after completing this process you believe that this is the case, please contact us so we may help you verify this and if so we will assist you with returning your pump for correction.

You can reach our technicians for troubleshooting by calling 800-658-5582 and asking for our Service Department.

Pump Head Features



(Illustration 2)

Pump Head Features	
ITEM	FUNCTION
1. Upstream occlusion sensor	Detects a complete tubing restriction upstream of the pump.
2. Pumping fingers	Cam-driven pumping fingers which manipulate the tubing against the back plate, resulting in fluid movement in a downward direction.
3. Downstream occlusion sensor	Detects tubing restrictions downstream of the pump. The sensitivity level can be adjusted to suit the needs of the hospital.
4. Air sensor	Detects air bubbles in the tubing. The sensitivity is adjustable via the pump's configuration.
5. Safety clamp	Prevents accidental fluid flow by automatically occluding the tubing whenever the pump door is opened. Provides “Free Flow Protection.”
6. Slide clamp slot	When the slide clamp loading option is enabled, the I.V. set's slide clamp must be inserted into this slot. The operator must push the slide clamp into the slot to occlude the tubing before the I.V. set can be removed from the pump. The slide clamp loading option is selectable through the configuration.

How to Correct Common Failures F-94 and F-49

Why do these errors occur?

These two error codes are interrelated in the sense that the method for correcting them both is identical. These errors are typically caused by a total power loss to the pump that has forced the programing to revert back to the manufacturer's default settings and will require a re-programing in order to resume normal operation. The key part of the programing that needs to be reset is the time and date. The following process describes how to accomplish this task quickly and easily.

Resetting the time and date to correct F-94 & F-49:

1. Plug the unit in and ensure that it is powered off
2. On the back side of the pump locate the "Panel Lock Out" button. It will be a small black push button.
3. Press and hold the "Panel Lock Out" button then turn to the front side of the pump
4. On the front keypad, locate the "Stop" and "On/Off" buttons.
5. While continuing to hold the "Panel lock out button" also press the "Stop" button.
6. With these two buttons pressed and held, tap the "On/Off" button and continue holding the two previously mentioned buttons.
7. Monitor the top screen of the pump. You are looking for it to say "Modify Config". Once it says this you can release the two buttons.
8. Now that you are in the "Modify Config" mode, locate the 3rd key down from the top of the keypad that says "Tot Vol/ Status" and has the text "Next" lit above it.
9. This key will be used to cycle through the screens of the "Modify Config" mode.
10. Press this key approx. 18 times until you see the top screen say "Time" with some numbers below it.
11. Don't worry about what time the pump is currently saying we are now going to program in the current time at your location in 24 hour or Military format. I.E. if it's 2:34 pm where you are then the time you'll input is 1434.
12. Utilize the number keys to input the current time in the format listed, you'll see that time show up in the bottom screen.
13. Once the time is inputted correctly in the bottom screen, press the "Pri Start" key and you should see the time move from the bottom screen to the top screen.
14. This indicates that your setting has been accepted. If you don't see this move then you'll need to hit the clear button and repeat this process.
15. If you enter a wrong number at this step or the next simply use the "Tot Vol/Status" or "Next" key to cycle through the menus back around to the option you are trying to change.
16. After the time is properly inputted, press the "Tot Vol/Status" or "Next" key once more and the screen should display "Date" followed by numbers for the date.
17. Don't worry about what date the pump is currently saying. We are now going to program in the current date in MM/DD/YY format. I.E. if it is Nov. 19th, 2011 we'll type in 111911.
18. Utilize the number keys again to input the current date in the format listed, You'll see that date show up in the bottom screen in the following format: 11 19 2011

19. Once the date is inputted correctly in the bottom screen, press the "Pri Start" key and you should see the date move from the bottom screen to the top screen and will display as: 11/19/11.
20. You are now done resetting the pump and can use the "On/Off" button to power down the pump, then power it back up.
21. Upon power up you may see one of two things. It will either come up in the normal mode and be ready for use or it may come up with an additional Common Failure code of F-91
22. F-91 error is a common occurrence after this process and simply needs to have the pump powered off then back on again using the "On/Off" key.
23. Your pump should now be ready for use.

Tips to Avoid Nuisance Alarms

Tip #1: To Ensure Door is Closed Correctly

You should hear 2 clicks when closing the door. 1.) The metal pin pushing in (part of the slide clamp assembly) 2.) The blue clip "popping" out

Tip #2: To Avoid Occlusion Alarm/Pinched Tubing

If you heard 2 clicks after closing the door (so you know the clip popped out successfully), you can also gently tug the tubing that is coming out at the bottom, down and away from you, toward the back of the pump. (See arrow for where to tug tubing.) - This will ensure an occlusion was not created when closing the door and will also make sure the tubing isn't being pinched at all by the clip.

Tip #3: To Avoid Nuisance Occlusion Alarms

If you've been using the tubing for a while, try using a fresh section of the tubing by moving the clip down and loading this new section of tubing.

Tip #4: To Avoid Nuisance Occlusion Alarms

Occasionally the occlusion sensors get "sticky." Pushing on the occlusion sensors often loosens them back up. (See illustrations 1 & 2)

Tip #5: To Avoid Tubing Misload Alarms and Potential for Cut Tubing

When installing the tubing, run your finger from the point where the clip is installed all the way up to the top. This will ensure the tubing is fully inserted into the sensors. See illustration 1