

# Starting-Up your Super Shiner System:

## SUPERSHINER II FUNDAMENTALS:

Your Super Shiner Applicators and Pumping Station have been designed for years of operation and trouble-free service. The unique GUIDE-RAIL/APPLICATOR brush design allows for the application only when called upon: no more half application on non-selected vehicle tires!

The **SUPER SHINER II** uses two pumps for the chemical delivery: The first pump is a Flo-Jet pump positioned in the back room on the Shiner control panel. This pump delivers chemical to the volumetric pumps located in the tunnel on the applicator stand. There is a volumetric pump for each applicator. The volumetric pump operates like a syringe. The chemical is sucked up into the pump and then is pushed out onto the applicators.

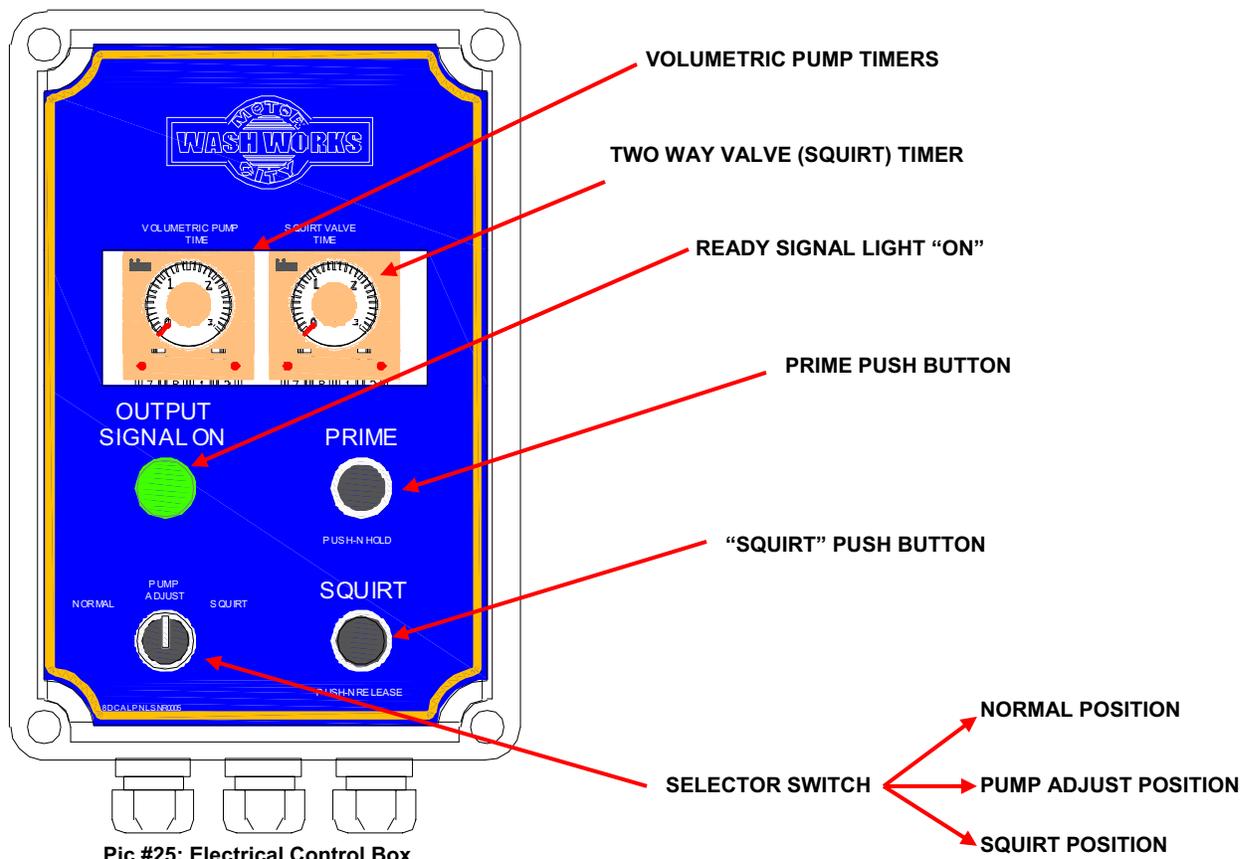
A ready signal from one carwash controller function is required to operate any of the functions. There is no power to the panel until this signal is present. Once this signal is present the unit will complete one cycle and extend the applicator brushes until the signal is removed.

A complete cycle is as follows:

1. After a ready signal received, the 1st timer starts counting, energizing the air valve to the volumetric pump.
2. After the first timer times out, energizing the 2nd timer and then energizing the air valve operating the N/C two way valve on the volumetric pump assembly in the tunnel allowing the chemical to squirt onto the cloth brushes.
3. After the 2nd timer times out, the brushes flip out and extend, ready to apply chemical to the tire. The Flojet® pump is now energized to replenish the volumetric pump.
4. When the ready signal is then removed from the system, the air valves turned OFF, the brushes retract to its original position and the NO two way "Dump" valve is now open, releasing the pressure in the feed line.

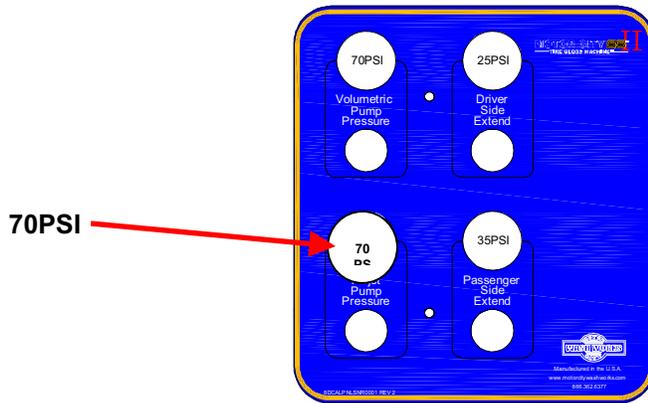
## SUPERSHINER II MANUAL OPERATION:

There are three buttons on the **SUPER SHINER II** control box (see Picture #25)



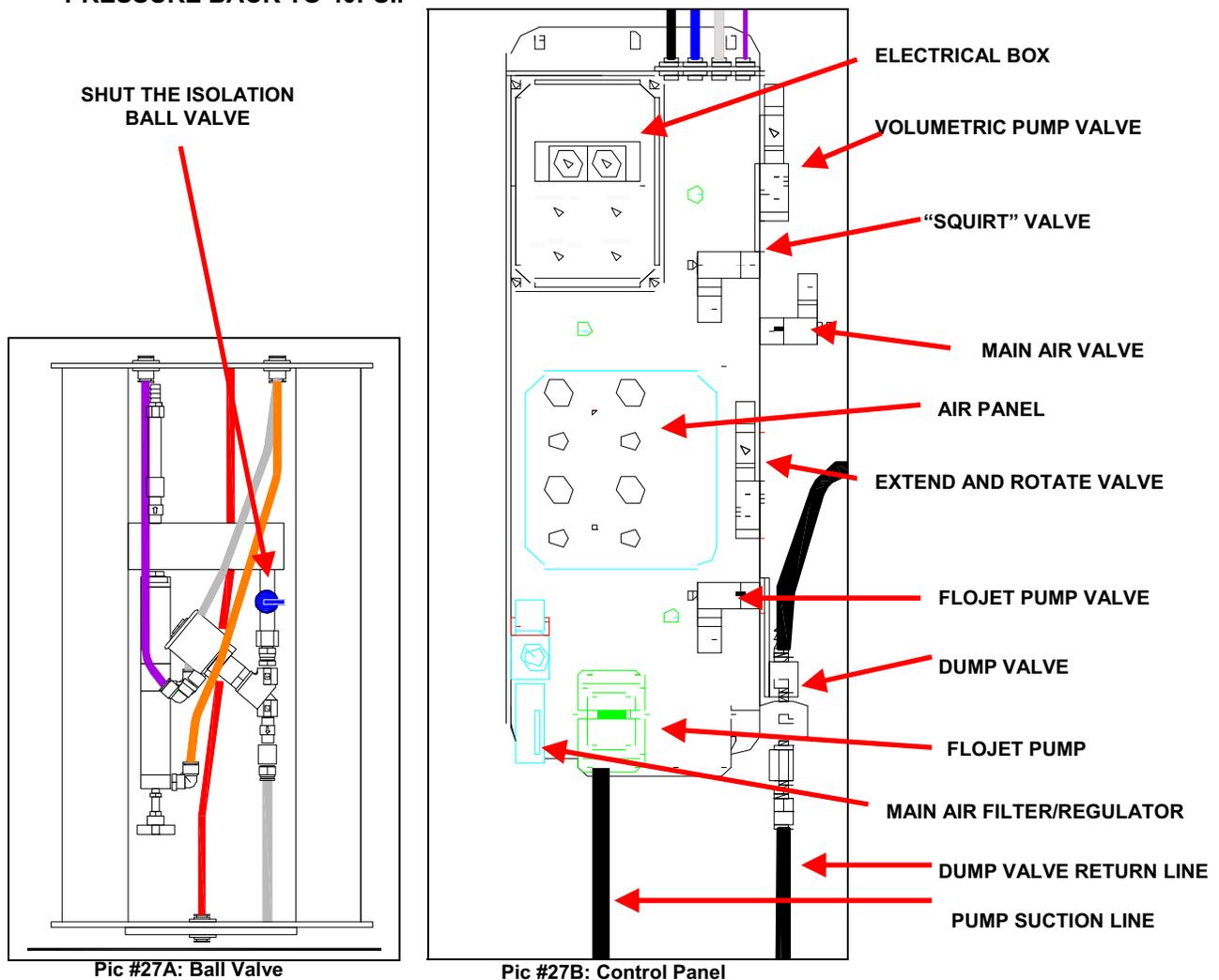
Pic #25: Electrical Control Box

- ☑ ✎ In order to initially prime the system, remove the covers from both applicators, set the **FLOJET PUMP** air pressure at **70PSI** and all other pressure like shown on Picture #26 and then turn the **READY SIGNAL ON** and wait for the brushes to extend.



Pic #26: Air panel

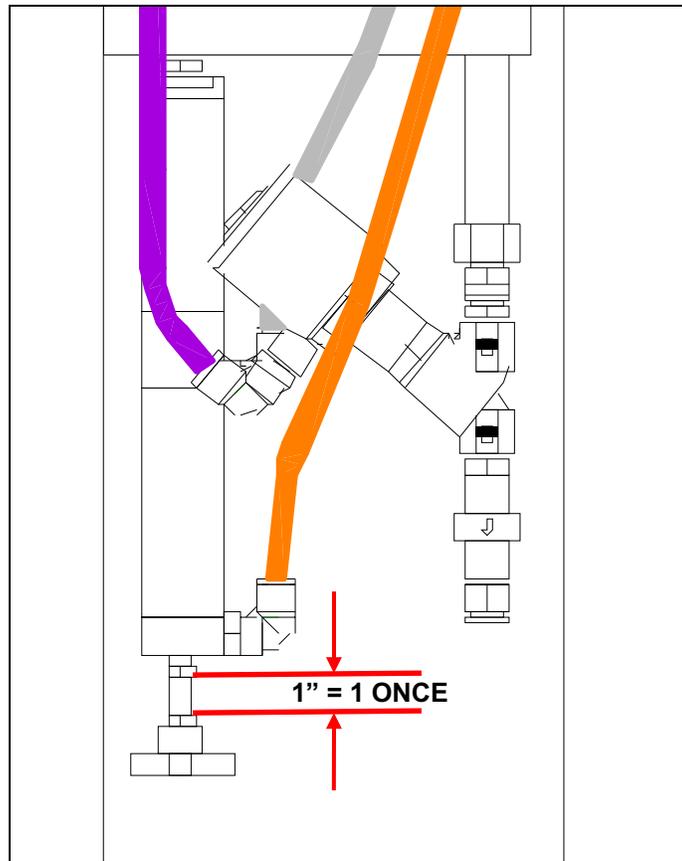
- ☐ **Drop the PUMP SUCTION LINE and the DUMP VALVE RETURN LINE in the chemical drum. Go to the PASSENGER SIDE VOLUMETRIC PUMP ASSEMBLY and shut the ball valve like shown on Picture #27A below. Now press and hold the PRIME BUTTON (see Picture #25) and have someone monitors the DRIVER SIDE applicator until a SOLID COLUMN OF FLUID IS SEEN IN EACH 1/2" LINES feeding each manifold and is coming out of each applicators nozzle. Shut the DRIVER SIDE BALL VALVE and open the passenger's side. Repeat the same process by pressing and holding the PRIME BUTTON until fluid is coming out of the applicator nozzles. When done, open the driver side ball valve and set the FLOJET AIR PRESSURE BACK TO 40PSI.**



Pic #27A: Ball Valve

Pic #27B: Control Panel

- Turn the **SELECTOR** from **NORMAL** to **ADJUST**, and adjust the rod on the volumetric pump for the desired quantity pumped at the brushes. 1" of the rod equals about one ounce.
- Turn the **SELECTOR** from **ADJUST** to **SQUIRT** position and press and **PRESS AND RELEASE** the **SQUIRT BUTTON**. Observe the fluid being "squirt" out of the nozzles and onto the back of the brushes. Repeat until each nozzle squirts properly.



Pic #28: Pump Adjustment

- Using a sprayer or a bucket filled with tire shiner solution, soak each **APPLICATOR BRUSH** until both brushes are **SATURATED WITH CHEMICALS**. For better results, you may also remove all the **APPLICATOR BRUSH SECTIONS** from both applicators and soak them in a bucket filled with tire shiner solution for a couple hours.
- Finally, turn **OFF** the **Ready** signal and test again by turning **ON** the **READY** signal and observe the Applicators operation: The volumetric pumps will inject chemical into the brushes and then the applicators will **EXTEND** and the brushes will **ROTATE OUT** ("FLIP OUT"). Adjust each flow control fitting located at each extend cylinder for proper operation: For a quicker operation, **OPEN the FLOW CONTROL**. For a slower operation, **CLOSE the FLOW CONTROL**.
- Program the Car wash Controller Channel to turn **ON** your Super Shiner II at the beginning of the front tire for each vehicle. Test with a vehicle and adjust the brush pressure against the tire by **INCREASING** or **DECREASING** the air pressure of the **DRIVER'S SIDE** or **PASSENGER'S SIDE AIR REGULATOR**.