

OPERATING INSTRUCTIONS



CAUTION RISK OF UNIT DAMAGE.

BE CERTAIN THE NOZZLE IS NOT CONNECTED TO THE UNIT WHILE PRIMING THE PUMP. PRIMING ALLOWS MINERAL DEPOSITS TO BE RELEASED FROM THE SYSTEM WHICH WOULD OBSTRUCT OR DAMAGE THE NOZZLE ASSEMBLY RESULTING IN COSTLY REPAIRS.

PRIMING THE PUMP:

1. It is essential to prime the pump on initial start-up and each time the water supply is disconnected from the unit after initial use.
2. Lay the high pressure hose out to remove any loops. Water flow will constrict the hose, creating tight loops if the hose is not straight.
NOTE: The nozzle assembly should NOT be connected to the gun assembly at this time. See "Nozzle Connection" pg. 11.
3. With the trigger gun locked in the "OFF" position, turn the water supply completely on. Pointing the gun in a safe direction, unlock the trigger gun and squeeze the trigger.
4. Low pressure water will begin flowing from the hose/gun assembly. This allows the unit to prime and purge any air from the system. The unit is primed when water flow is uninterrupted by air.
5. Once the unit is primed, release the trigger and lock the gun in the "OFF" position. Securely connect the nozzle assembly. (See "Nozzle Connection" pg. 11)



DANGER RISK OF INJECTION CAUSING SEVERE INJURY!

-KEEP CLEAR OF NOZZLE!
NEVER PLACE HAND OR FINGERS IN FRONT OF NOZZLE!
-DO NOT DIRECT DISCHARGE STREAM AT PEOPLE OR PETS!
-BE CERTAIN THE NOZZLE IS SECURELY CONNECTED TO THE WAND TO PREVENT ACCIDENTAL DISCHARGE!

START-UP:

1. Refer to the "Safety Precautions" pgs. 4-7 before starting the unit.
2. Locate the Safety Decals on your unit and heed their warnings.
3. With the gun locked in the "OFF" position, point the trigger gun away from yourself or anyone else. Ensure the water supply is completely turned on.
4. Disengage the safety lock-off on the gun and squeeze the trigger. Low pressure water will begin flowing from the nozzle.
5. BE CERTAIN the trigger gun remains in an open position while starting the engine. Brace yourself as the gun will kickback from the high pressure created by the pump once the engine has started.
6. Steady the unit during engine start-up. (Refer to the engine manual accompanying this pressure washer for the correct procedures needed to start the engine.)
7. Once the engine has started, perform the following procedures with the gun open:
 - a. Inspect for system oil leaks and fuel leaks. If a fuel leak is found, TURN UNIT OFF IMMEDIATELY! See "Fire & Ventilation Precautions", #2 and #4, pg. 4. Be sure that all damaged parts are replaced and that the mechanical problems are corrected prior to operation of the unit. If you require service, contact Customer Service.
 - b. Inspect high pressure hoses for kinking, cuts and leaks. If a cut or leak is found, DO NOT TOUCH HOSE AT LEAK!!! TURN UNIT OFF IMMEDIATELY! Replace hose before restarting the unit. See "Miscellaneous Safety Precautions" #6, pg. 6. Be sure that all damaged parts are replaced and that the mechanical problems are corrected prior to operation of the unit. If you require service, contact Customer Service.
8. Trigger the gun several times. Be certain to LOCK the trigger gun in the "OFF" position whenever changing the quick connect nozzles. NEVER look directly into the nozzle! High pressure water creates a risk of severe injury!
9. Do not allow unit to operate in bypass mode (with trigger closed) for more than three minutes without triggering the gun. Failure to follow this simple rule can cause premature failure of pump packing seals, resulting in costly pump repair.
10. Because your pressure washer delivers a high pressure spray and a variety of spray patterns, there are many cleaning jobs that can be done without the use of detergents. If a cleaning agent is required, see "Cleaning With Detergents" pg. 15 for the correct procedures.



CAUTION RISK OF DAMAGE.

DO NOT ALLOW SPRAY PATTERN TO REMAIN ON A FIXED AREA FOR AN EXTENDED PERIOD OF TIME. POSSIBLE DAMAGE MAY OCCUR TO THE AREA.

OPERATING INSTRUCTIONS

CLEANING WITH DETERGENTS:

1. Refer to "Detergent Cleaning Precautions" pg. 6 before working with detergents. Be certain to wear protective safety attire as stated on pg. 10.

2. Prepare detergent solution according to label directions. Never pump acids, alkaline, abrasive fluids or solvents through the unit.
3. Some units are equipped with adjustable detergent knobs. Locate the clear vinyl hose which leads to the pump head.

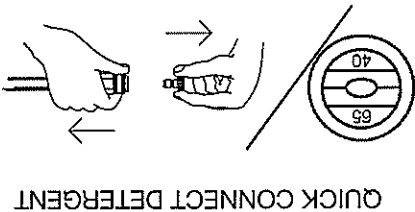
- a. If your injector is equipped with an adjustment knob on the pump head, you may adjust the amount of detergent desired by turning the knob completely counterclockwise to set at the maximum siphon rate.
- b. If your injector is not equipped with an adjustment knob, the detergent ratio is preset and cannot be adjusted.

4. Immerse the detergent strainer into the detergent solution to allow detergent to siphon.

5. With the trigger gun locked in the "OFF" position, securely quick-connect the detergent spray nozzle (#6540° BLACK) into the end of the wand.

NOTE: This injection system is designed to apply detergents under low pressure only. It will not allow detergent solutions to be introduced into the system unless the nozzle assembly is in the low pressure detergent mode.

6. To apply solution; unlock the trigger gun and squeeze the trigger. In a few moments a detergent/water mixture will exit the low pressure nozzle. Start spraying the lower portion of the surface being cleaned and move up, using long overlapping strokes. Applying from the bottom up helps avoid streaking. Allow to soak briefly. DO NOT allow detergent solution to dry on the surface. (Avoid working on hot surfaces or in direct sunlight to minimize the chances of the detergent drying, which may result in damaging painted surfaces.) Be certain to rinse a small section at a time.
7. To rinse; lock the trigger gun in the "OFF" position, securely quick-connect the desired high pressure nozzle into the end of the wand. Unlock the trigger gun and spray. It will take about 30 seconds to purge all detergent from the line. For best rinsing results, start at the top and work down.
8. Siphon a gallon of water through the low pressure detergent injection system after each use. This prevents the possibility of corrosion or detergent residue causing mechanical problems during the next use.



SHUTDOWN:

1. Turn engine "OFF" as directed in the engine manual.
2. Turn the water supply "OFF".
3. Pointing the gun in a safe direction, trigger gun momentarily to relieve any trapped pressure.
4. Once pressure is relieved, disconnect the nozzle assembly.
5. Disconnect and drain gun, wand and hoses.
6. Wipe unit clean and store with gun, wand and hoses in a safe, non-freezing area.