

PISCATAWAY SOCCER CLUB

INSTRUCTIONS FOR USING GAS POWERED PAINTING MACHINE

MATERIALS NEEDED

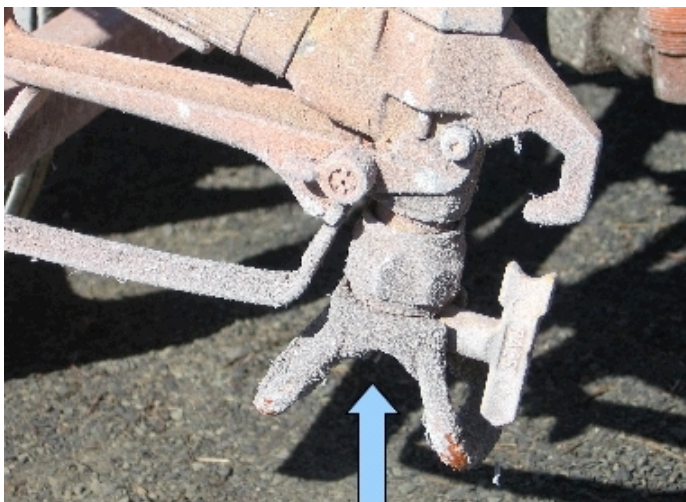
- Paint stirrer - be sure it is sturdy and long enough to fit in a 5-gal bucket.
A 2ft-3ft length of 1" x 2" wood works well
- Rubber/latex gloves and rags for clean up
- Utility knife/pocket knife/box cutter
- Bucket for water
- Regular unleaded gas (~1/2 gal) for machine
(in case the gas container in the shed is empty)

IMPORTANT

After each use, be sure to thoroughly flush the pump and hoses with water to remove all paint from the system. This will prevent dried paint from clogging the system which will result in the costly replacement of the pump and hoses. Use HOT WATER to flush the system when the temperature is below 40 degrees F

STEPS FOR USING THE GAS-POWERED PAINTING MACHINE

1. Check the gas tank and container for enough gas to complete planned painting job.
Refill with regular unleaded gasoline
2. Check the paint; Open bucket and stir paint thoroughly
(this can be done while the engine is warming up in step 8)
One 5-gallon bucket paints 1 full-sided field;
3/4 of a 5-gallon bucket paints 1 small-sided field
3. Check the spray nozzle;
Remove the nozzle from the sprayer head by pulling and using a twisting action;
check that the nozzle hole is clear and free of dried paint; clear the hole if clogged
or replace with a new nozzle;
Make sure the arrow on the nozzle is pointing down when installed.

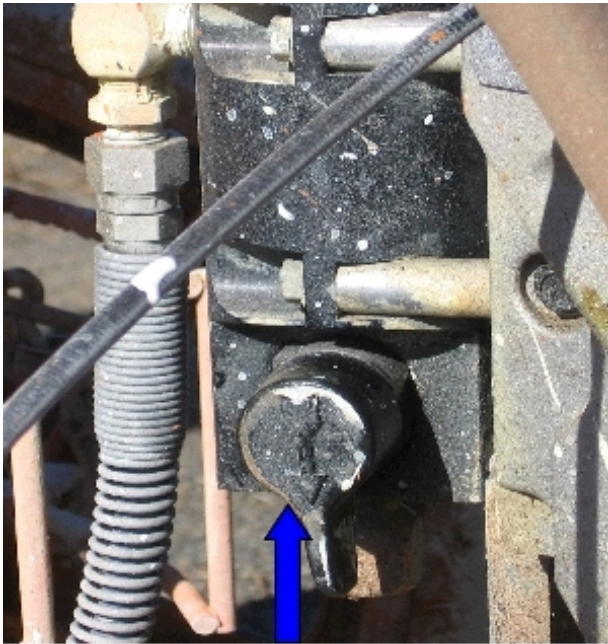


**SPRAY HEAD WITH
NOZZLE INSERTED**

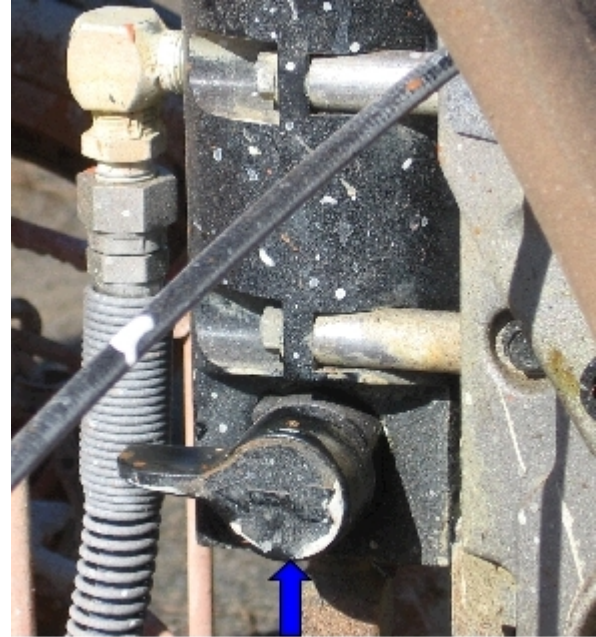


**NOZZLE REMOVED
FROM HEAD**

4. Check the gas in the tank;
Fill as needed;
Use regular unleaded gasoline
5. Check the paint bucket on the machine;
It should be at least 1/3 filled with water;
if it is not, add water to fill to about 1/3 of the bucket.
6. Turn the flow direction knob on the machine pump to recirculate the water in the bucket;
The knob is located on the right side of the pump looking from the back of the machine
(see photo below); the knob is turned vertical to recirculate and horizontal to spray.

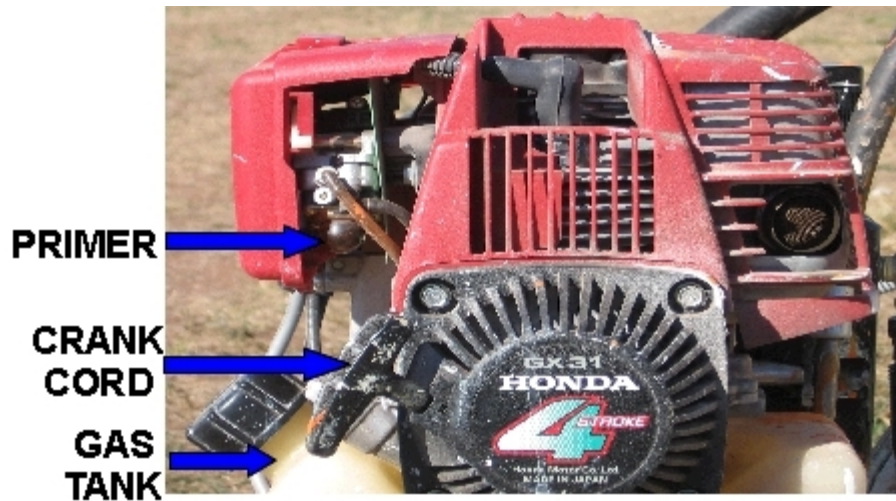


**FLOW DIRECTION KNOB
VERTICAL - RECIRCULATE**



**FLOW DIRECTION KNOB
HORIZONTAL - SPRAY**

7. Locate the engine primer; it looks like a round rubber button to the left of the engine (see photo) Prime the engine by pressing the primer 3 - 4 times; look for gas flowing in the transparent hose near the primer



8. Pull the crank cord to start the engine.
Let the engine run for about 5 minutes
9. Turn the flow direction knob to recirculate (vertical);
pull the throttle on the handle (see photo) to run the pump for about 1 minute



10. Turn the flow direction knob to spray (horizontal);
pull the throttle on the handle (see photo) and check to see that fluid/water is being sprayed out the nozzle evenly; if the spray is not even, check the flow direction knob to see if it is turned to spray (horizontal); remove the nozzle and check the hole as in step 3;
Continue to spray fluid/water through the nozzle for 1 - 2 minutes
Listen for a knocking sound from the pump
The machine is now ready for use.

11. There are two hoses going into the bucket on the machine; the larger hose is connected to the intake tube for the paint, the smaller hose is connected to the return tube;
Turn the flow direction knob to recirculate (vertical);
Lift the lid on the bucket just enough to raise the intake tube out of the water;
pull the throttle on the handle to run the pump for about 1 minute; this will recirculate the water to flush most of it from the pump and hoses; this should only take about 1 minute.
12. Replace the bucket containing water with the bucket of paint;
run the engine to recirculate the paint through the hoses; this will prime the pump
13. Turn the flow direction knob to spray (horizontal) and spray a small area as a test;
look for an even spray with 5" width; if the spray is uneven or the spray sputters out of the nozzle, turn the flow direction knob to recirculate (vertical), run the pump for a minute or two, turn the flow control knob to spray and try again;
if the spray is still uneven, shut off the machine and check the nozzle as in Step 3.
14. Move the machine to the field to be painted; line up the spray head with a line and begin painting;
If painting the whole field, it is best to begin at the center line and follow the path shown in the attached diagram
15. To add more paint, simply twist the lid on the bucket and carefully pour in paint.
Turn the flow direction knob to recirculate (vertical) and run the engine for 1-2 minutes;
Turn the flow direction knob to spray (horizontal) and continue painting
16. Follow the MACHINE CLEAN-UP instructions when finished with the machine.

MACHINE CLEAN-UP

1. Half fill a bucket with clean water; if the air temperature is 40 degrees F or below, use HOT WATER from the Snack Shack (find a Board Member with a key to the Snack Shack)
2. Start the engine; Turn the turn the flow direction knob to recirculate (vertical). Lift the lid on the bucket so the in-take tube is raised out of the paint; run the machine to flush pain from the in-take and return hoses
3. Replace the bucket of paint on the machine with the bucket of clean water, secure the lid and check that the flow direction knob is set to recirculate (vertical); run the machine for about 2 minutes to flush paint from the pump and hoses
4. Turn the flow direction knob to spray (horizontal) and run the machine until the spray from the spray head runs clear;
5. There will be a paint-water mixture left in the bucket; clean off the intake and return tubes in the bucket; dump the paint-water mixture and add clean water to the bucket so it is 1/3 to 1/2 full. Use HOT WATER if the temperature is below 40 degrees F;
flush the pump and hoses by repeating the two previous steps
6. Shut off the machine by pressing the red rocker switch on handle (see photo on Pg. 3);
put away and any unused paint and fill the machine's gas tank for the next user
7. Return the machine to the shed.