

4 MAINTENANCE

Regular maintenance is crucial to ensure that this equipment will perform correctly on the job site. Please follow Table A as well as the maintenance schedule laid out in your engine manufacturer's manual to keep your machine operating at peak efficiency.

4.1 Table A: Maintenance Schedule

Maintenance Procedure	Before Each Use	After Each Use	End of Day	Every 50 Hours
Check all connections for all hoses, spray wands, and transfer kits.	X			
Check sealer consistency inside tank. Add water to compensate for evaporation.	X			
Use agitation cycle to circulate sealer for 2-3 minutes.	X			
Clean spray tips		X		
Remove filter kit and clean strainer.			X	
Flush lines with water			X	
Replace pump seals.				X
Change engine oil				X

4.2 Spray Tip Maintenance

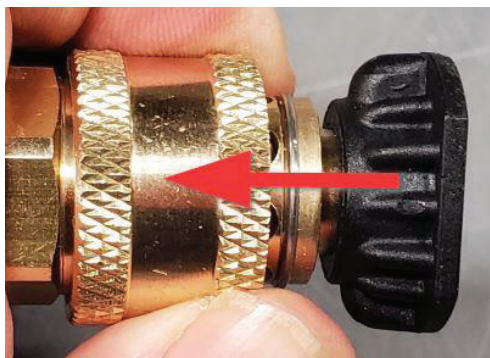
It is important to keep the spray tips clean to insure even flow every time.

- DO NOT let the spray tips dry out after each use
- DO NOT use metal brush for cleaning.



Required Tools: Poly Brush, Bucket, Warm Water, Soap.

1. Disconnect the spray tip by pushing down the brass sleeve at the end of quick connect fitting (See picture below) and gently pulling the spray tip out.



2. Insert the spray tip(s) in warm soapy water bucket to loosen up any build-up residue. Leave the tips in water for several minutes or more.
3. Once the build-up loosens up use the poly brush or nonmetal brush to remove any residue.
4. Rinse the spray tips with clean water.
5. Let them air dry.

4.3 Changing Engine Oil

Place the engine on a level surface and place a suitable container under the drain plug bolt

1. Remove the oil filler cap
2. Remove drain plug bolt and drain plug washer
3. Drain the oil into a suitable container.

Please dispose of used oil in a manner that is compatible with the environment. We suggest you take used oil in a sealed container to your local recycling center or service station for reclamation. Do not throw it in the trash, pour it on the ground, or pour it down a drain.

4. Install the drain plug bolt with a new drain plug washer and tighten it to the specified torque.
5. Add the specified amount of recommended oil into the engine.
 - a. Honda GX160: 0.58 Liter (0.61 US qt, 0.51 Imp qt). SAE 10W - 30 is recommended for general use.
 - b. Launtop LT210: 0.6 Liter (0.63 US qt, 0.52 Imp qt). SAE 15W-40 mineral oil is recommended for general use.

Do not add commercial additives to the oil

Do not mix gasoline into the oil

6. After adding the oil, check the oil level on the dip stick.
7. Install and tighten the oil filler cap securely
8. Make sure there are no oil leaks.

4.4 Winterize Spray System

Drain & clean the tank, hoses and pump:

1. Connect the spray system intake to a clean water source. (ie: a barrel or tote with clean water)
2. Run the pump in re-circulate mode until all sealant is expelled from the recirculate hoses
3. Run the pump in spray mode and spray into your main tank until all sealant is expelled from the spray hoses
4. Connect the recirculate hoses to your clean water source from step 1
5. Run the system for a few minutes in recirculate mode to clean out as much residual sealant from the recirculate hoses as possible
6. Run the system in spray mode, and spray into your clean water source from step 1 for a few minutes to remove as much residual sealant from the spray hoses as possible.
7. Stop the engine
8. Disconnect and drain all your hoses, and spray wand.
9. Remove the drain plug from your pump and ensure that all water has been emptied
10. Replace drain plug
11. Drain any remaining sealant in your tank into a smaller container
12. Power wash both the inside and outside of the bulk tank.
13. Drain the tank
14. Remove spray tip from spray wand
15. Submerge spray tip(s) and the quick connect end of the spray wand in soapy water for several minutes.
16. Clean the tips and quick connect fitting with a **NYLON** bristle brush (not brass or other metal brush)

Perform an oil change (see section 4.3)

Fog & Stabilize engine:

1. Add fuel stabilizer to the gas tank
2. Run engine for 10 minutes to circulate.
3. Turn off engine.
4. Remove the air filter cover
5. Start the engine
6. Spray engine fogger into the air intake until you see heavy smoke and the engine stalls.
 - a. If the engine does not stall on its own, turn the kill switch to off manually while spraying until the engine completely stops
7. Re-install the air filter
8. Remove spark plug
9. Pull the pull cord gently until the piston is near the bottom
10. Spray engine fogging oil into the spark plug hole
11. Turn the crank 2 full revolutions by pulling the pull cord gently this is to assure even coating on cylinder wall.
12. Replace the spark plug and spark plug wire

If possible, store equipment out of weather in a shed or garage.

If this is not possible, cover up with a tarp.

Store spare sealant in a place where it will not freeze.