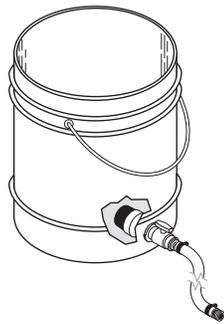


## Winterizing Procedures

The following method of winterizing is used at the factory to protect pressure washers from freeze damage. There is also a section on winterizing gas engines and instructions on how to build a winterizing bucket for machines without a float tank.

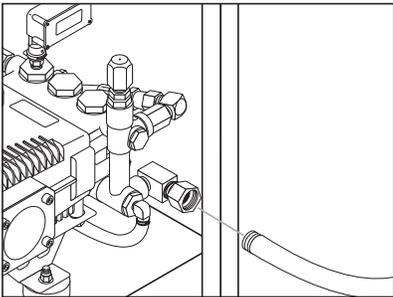
### Step 1:

If your pressure washer does not have a float tank, see section on building a winterizing bucket.



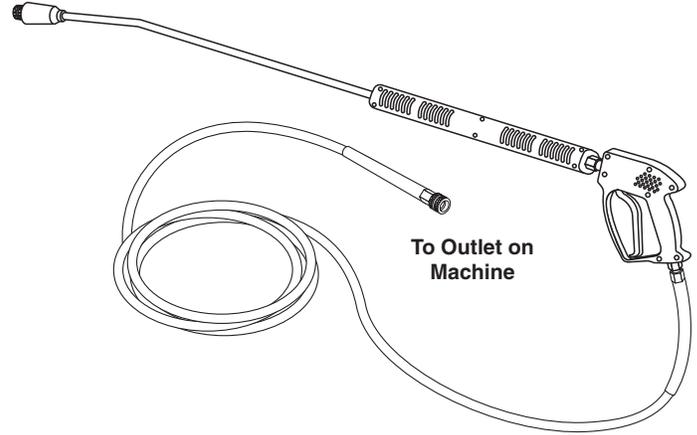
### Step 2:

Use windshield wiper fluid or a 50% methanol solution. Attach other end of hose to a garden hose fitting on pressure washer to siphon wiper fluid through the machine. (If the pressure washer has a float tank add the solution into the float tank.)



### Step 3:

Run machine until windshield solution exits discharge port of pump or coil. To ensure complete protection, also siphon wiper fluid solution into detergent line. Release spray gun trigger to allow solution to flow into bypass lines.



### Step 4:

The final step, as an extra precaution, would be to purge all water lines with pressurized air. Insert an air valve stem into a 3/4" male garden hose fitting and attach it to the hose swivel on machine.

## Gas Engine Machines

### Draining the Fuel Tank and Carburetor



**WARNING:** Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

**Keep heat, sparks and flame away.**

**Handle fuel only outdoors.**

**Wipe up spills immediately.**

1. Place an approved gasoline container below the carburetor and use a funnel to avoid spilling fuel.
2. Remove the carburetor drain bolt and sediment cup, then move the fuel valve lever to the ON position.



3. After all the fuel has drained into the container, reinstall the drain bolt and washer. Reinstall the sediment cup and o-ring. Tighten them securely

## Storing Your Engine

### Storage Preparation

Proper storage is essential for keeping your engine trouble-free and looking good. The following steps will help to keep rust and corrosion from impairing your engine's function and appearance and will make the engine easier to start after storage.

### Cleaning

#### NOTICE

*Using a garden hose or pressure washing equipment can force water into the air cleaner or muffler opening. Water in the air cleaner will soak the air filter and water that passes through the air filter or muffler can enter the cylinder, causing damage.*

*Water contacting a hot engine can cause damage. If the engine has been running, allow it to cool for at least half an hour before cleaning.*

Clean all exterior surfaces, touch up any damaged paint and coat other areas that may rust with a light film of oil.

### Fuel

Gasoline will oxidize and deteriorate in storage. Old gasoline will cause hard starting and it leaves gum deposits that clog the fuel system. If the gasoline in your engine deteriorates during storage, you may need to have the carburetor and other fuel system components serviced or replaced.

The length of time that gasoline can be left in your fuel tank and carburetor without causing functional problems will vary with such factors as gasoline blend, your storage temperature and whether the fuel tank is partially or completely filled. The air in a

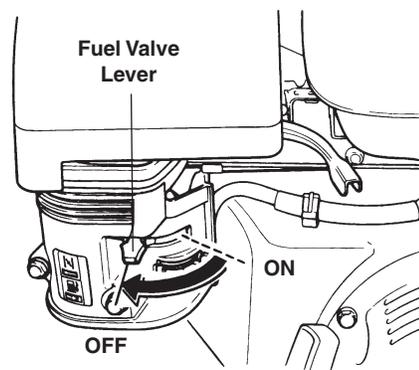
partially filled fuel tank promotes fuel deterioration. Very warm storage/temperatures accelerate fuel deterioration. Fuel deterioration problems may occur within a few months or even less if the gasoline was not fresh when the fuel tank was filled.

You can extend fuel storage life by adding a fuel stabilizer that is formulated for that purpose, or you can avoid fuel deterioration problems by draining the fuel tank and carburetor.

### Adding a Fuel Stabilizer to Extend Fuel Storage Life

When adding a fuel stabilizer, fill the fuel tank to the upper limit with fresh gasoline. If only partially filled, air in the tank will promote fuel deterioration during storage. If you keep a container of gasoline for refueling, be sure that it contains only fresh gasoline.

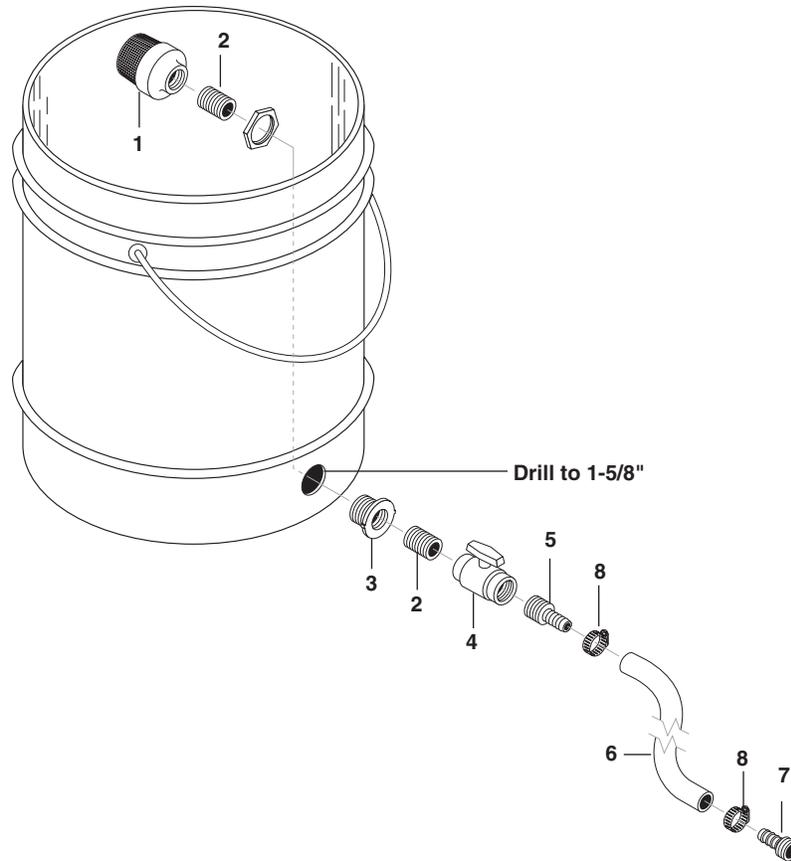
1. Add fuel stabilizer following the manufacturer's instructions.
2. After adding a fuel stabilizer, run the engine outdoors for 10 minutes to be sure that treated gasoline has replaced the untreated gasoline in the carburetor.
3. Stop the engine and move the fuel valve lever to the OFF position.



## Winterizing Bucket for Machines without Float Tanks

### Directions:

Drill hole in bucket to 1-5/8". Make sure hole is high enough to allow for screen inside bucket, approximately 2" from bottom of bucket. Install bulkhead fitting with nut inside bucket. Attach all fittings using thread sealing tape.



ITEM	PART NO.	DESCRIPTION	QTY
1	342308	Filter Tank Screen, 1/2" SS-50	1
2	2-1006	Nipple, 1/2" Close	2
3	141232	Bulkhead Fitting, 1/2" (1-5/8 Hole)	1
4	306448	Ball Valve, PVC Compact 1/2 FPT	1
5	140367	Hose Barb (BR) 3/4" x 1/2" MPT	1
6	4-02120000	Hose, 3/4" Push-On, per ft.	1
7	140307	Garden Hose Barb, 3/4" x 3/4" M	1
8	2-9004	Clamp, Screw, #12	2