



Zip-Clean™

 This manual contains important warnings and information.
READ AND KEEP FOR REFERENCE.

INSTRUCTIONS

2730B

Model 245347, Series A with Briggs & Stratton 6.5 HP Motor

2700 psi (186 bar, 18.6 MPa) Operating Pressure
3000 psi (210 bar, 21.0 MPa) Maximum Working Pressure

2730H

Model 245348, Series A with Honda 6.5 HP Motor

2700 psi (186 bar, 18.6 MPa) Operating Pressure
3000 psi (210 bar, 21.0 MPa) Maximum Working Pressure

3030

Model 2445349, Series A

3000 psi (210 bar, 21.0 MPa) Operating Pressure
3300 psi (227.5 bar, 22.75 MPa) Maximum Working Pressure

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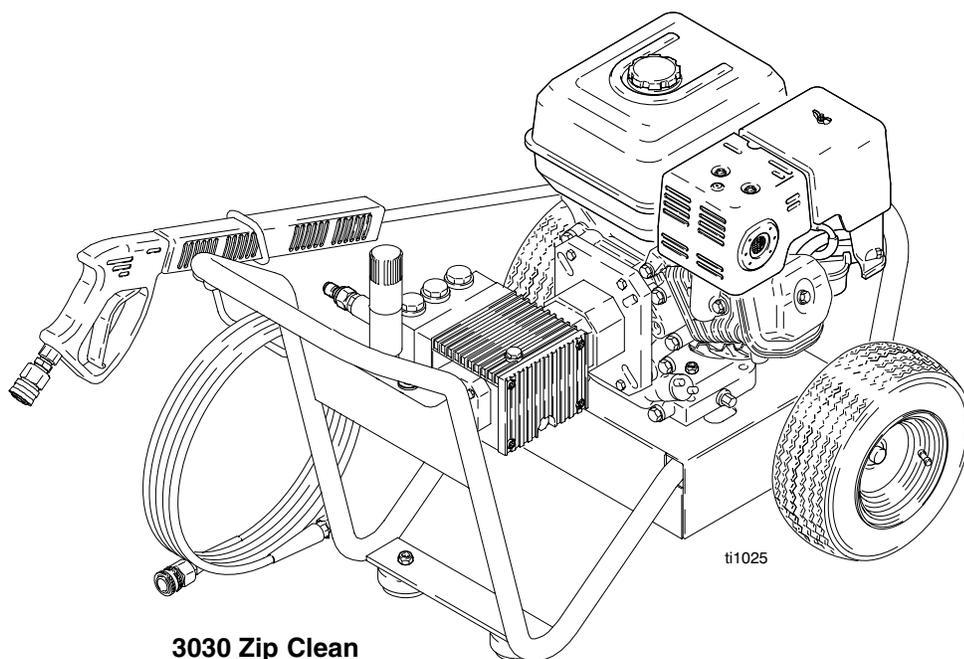
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Related manuals



..... 309425



**3030 Zip Clean
Model 245349 Shown**

WARNING



FUEL HAZARD

The fuel used in this equipment is flammable. When spilled on a hot surface it can ignite and cause a fire. Do not fill fuel tank while engine is running or hot.



INJECTION HAZARD

Spray from gun, leaks or ruptured components can inject fluid into your body and cause an extremely serious injury, including the need for amputation. Splashing fluid in the eyes or on the skin can also cause serious injury.

- Fluid injected into the skin might look like just a cut, but it is a serious injury. **Get immediate medical attention.**
- Do not point gun at anyone or any part of the body.
- Do not put hand or fingers over the spray tip, and do not stop or deflect fluid leaks with your hand, body, glove or rag.
- Do not “blow back” fluid; this is not an air spray system.
- Always have tip guard and trigger guard on gun when spraying.
- Engage trigger safety whenever you stop spraying.
- Follow the **Pressure Relief Procedure** on page 5 when you are instructed to relieve pressure; stop spraying; check, clean, or service any system equipment; or install or change spray tips.
- Tighten all fluid connections before each use.
- Check the hoses, tubes and couplings daily. Replace worn or damaged parts immediately. Permanently coupled hoses cannot be repaired.
- Handle and route hoses and tubes carefully. Keep hoses and tubes away from moving parts and hot surfaces. Do not use the hoses to pull equipment. Do not expose ASM hoses to temperatures above 150°F (65°C) or below -40°F (-40°C).



TOXIC FLUID HAZARD

Hazardous fluid or toxic fumes can cause serious injury or death if splashed in the eyes or on the skin, inhaled, or swallowed.

To help prevent injury or death from toxic fluids

- Know specific hazards of fluid you are using; store hazardous fluid in approved tub; dispose of hazardous fluid according to all local, state, and national guidelines.
- Always wear protective eyewear, gloves, clothing, and respirator as recommended by fluid and solvent manufacturer.



FLUID SPLASHBACK HAZARD

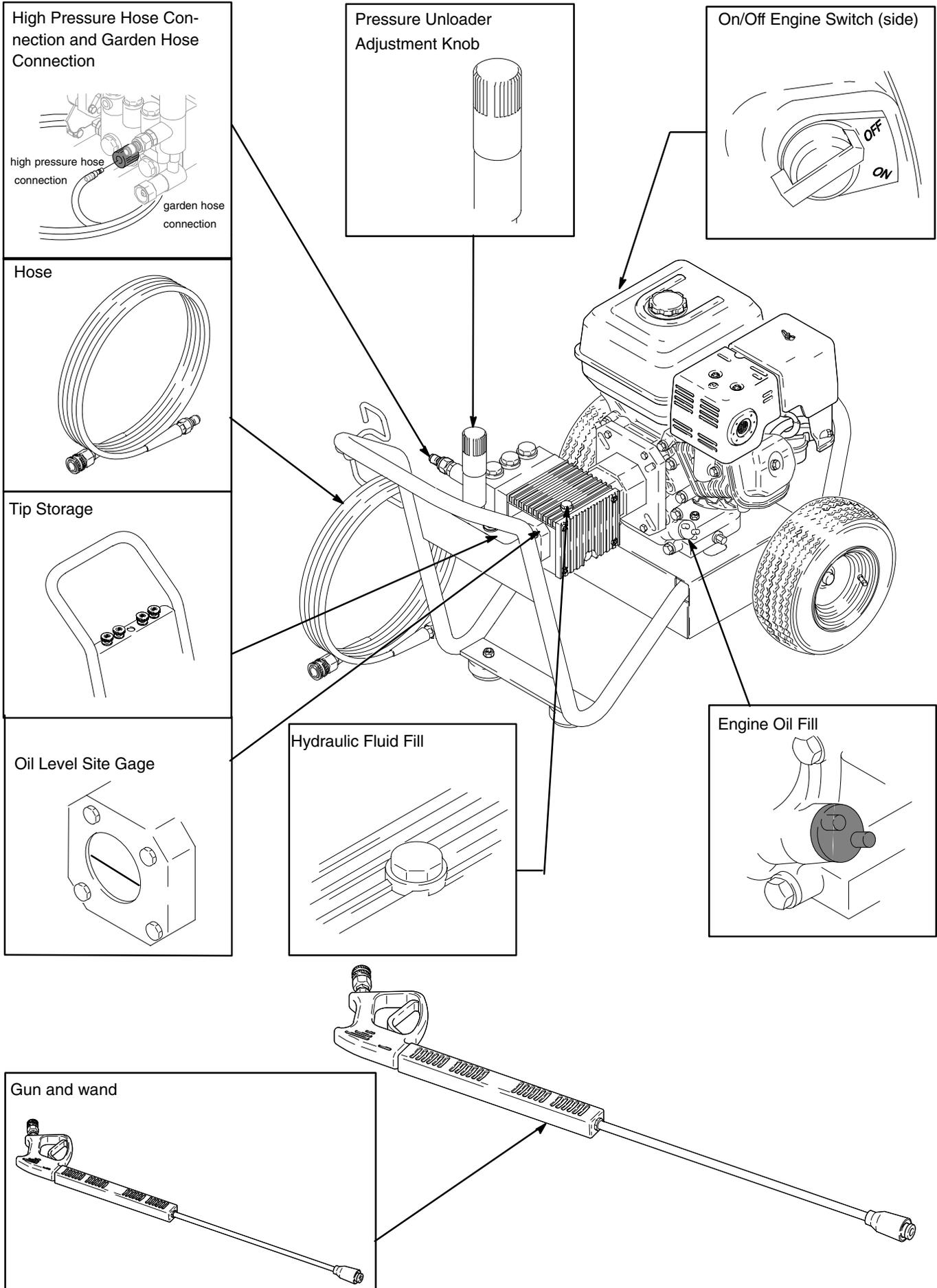
To avoid splashback of fluid while spraying, make sure the spray gun is assembled with the correct gasket for the fluid being sprayed.



EXHAUST HAZARD

The exhaust contains poisonous carbon monoxide which is colorless and odorless. Do not operate this equipment in a closed building.

Component Identification



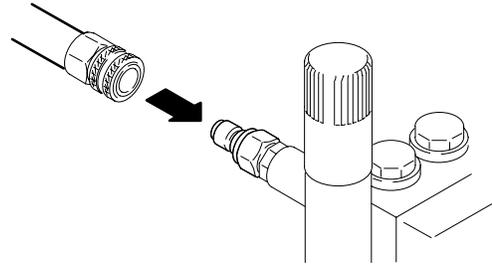
Setup

Shipping Damage

Check the Zip Clean for shipping damage. Notify the carrier immediately if there is any damage.

Connect High-Pressure Hose and Gun

Connect the high-pressure hose between the pump outlet and gun inlet. Both of these connections are made with quick couplers.

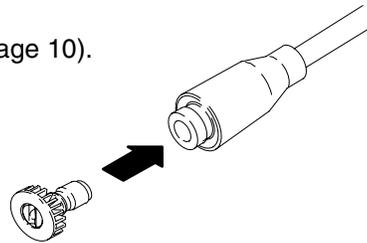


CAUTION

Up to 100 ft (30 m) of 3/8" high-pressure hose may be used. Longer hoses could affect Zip Clean and chemical injector performance balance.

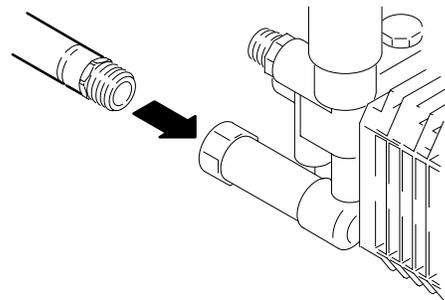
Install Spray Tip

Install the spray tip on the wand. (Installing and Changing Spray Tips, page 10).



Connect to Water Supply

Connect hose with at least a 3/4-in (19 mm) ID from the water supply to the 3/4-in garden hose inlet on the Zip Clean. The supply hose should not be more than 50 ft (15 m) long.



CAUTION

Before you connect garden hose to Zip Clean. Check your local plumbing code regarding cross-connection to water supply. If required, install a backflow preventer.

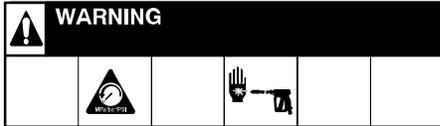
If inlet water pressure is over 60 psi (4.1 bar), a regulating water valve must be installed at the garden hose connection.

Do not exceed 160°F (70°C) inlet water temperature.

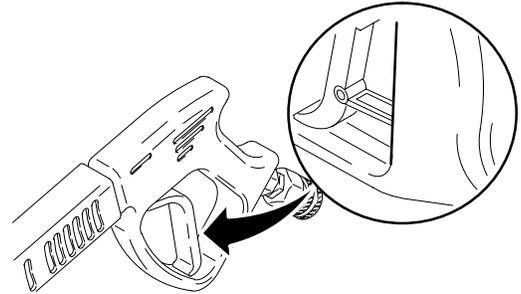
NOTE: The water source must have a minimum flow rate equal to that of Zip Clean.

Pressure Relief

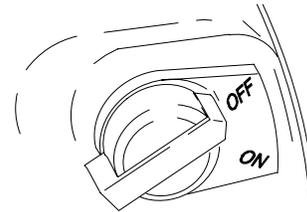
Follow these instructions whenever you are instructed to relieve pressure, stop spraying for more than 10 minutes, check or service the equipment, or install or clean the spray nozzle.



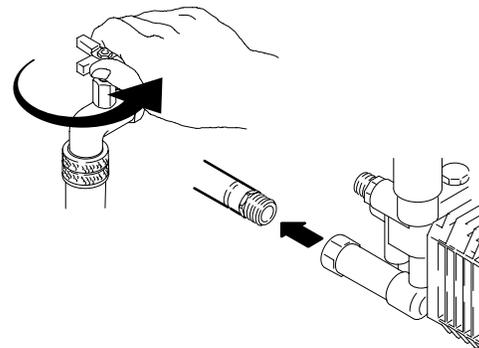
1. Engage trigger safety latch.



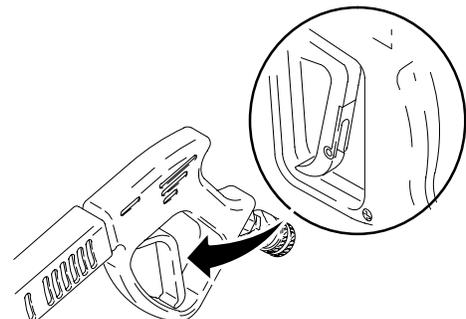
2. Turn Zip Clean off and remove ignition cable from spark plug.



3. Shut off water supply. Disconnect from water.



4. Remove trigger safety latch and trigger gun to relieve pressure. Then engage the safety latch.



Note: If you suspect the spray tip or hose is clogged or that pressure has not been fully relieved after following this procedure, disengage trigger safety latch and trigger gun again.

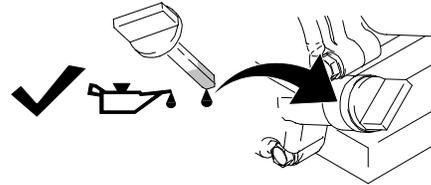
Operation

Startup

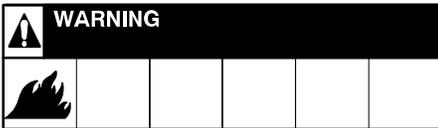
Always use this startup procedure to ensure the Zip Clean is started safely and properly.

- Always engage gun trigger safety latch when you stop spraying. This reduces the risk of fluid injection or splashing in eyes or on the skin if the gun is bumped or triggered accidentally.
- Observe all CAUTIONS in this section to avoid costly damage to Zip Clean.

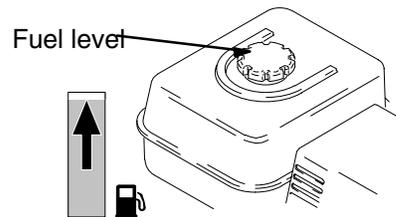
1. Check engine oil level.



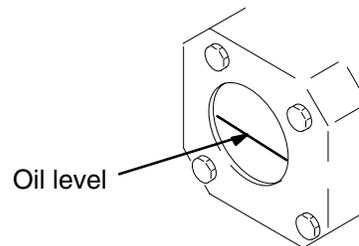
NOTE: All Zip Clean powered with Honda engines are equipped with an engine low-oil sensor that shuts the engine off if oil level falls below a certain level. If engine stops unexpectedly, check oil and fuel levels. Check oil level each time you add fuel.



2. Check fuel level.



3. Check oil level in pump. It should be half way up the sight glass. Add pump oil as necessary. The system is equipped with a thermal overload to help prevent severe damage.



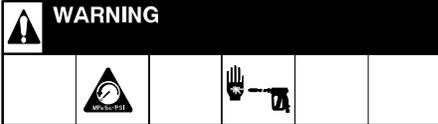
NOTE: It is important to drain and refill the pump oil after the first 50 hours of operation.

4. Turn on water supply.

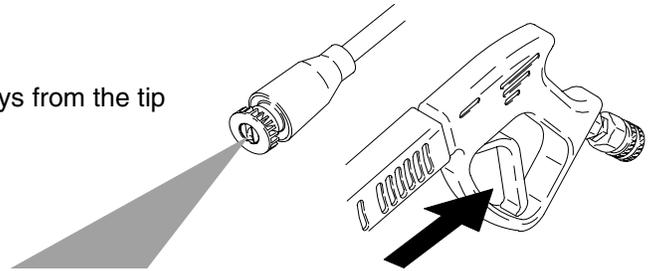


⚠ CAUTION

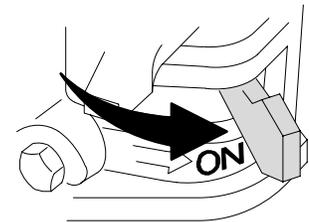
Be sure water supply is completely turned on before running Zip Clean. Running Zip Clean without water will damage the pump.



5. Trigger the gun until a constant stream of water sprays from the tip indicating the air is purged from the system.



6. Open fuel shutoff valve. Be sure the spark plug ignition cable is pushed firmly onto the spark plug.



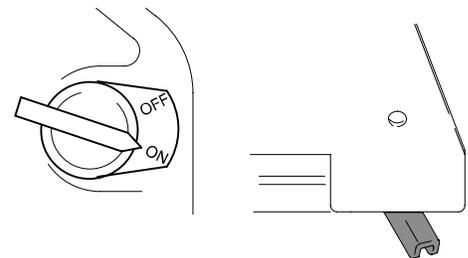
7. Put the switch in the ON position and the throttle at HALF throttle.

⚠ CAUTION

Do not allow Zip Clean to idle for more than 10 minutes. This causes recirculating water to overheat and serious damage to pump. Turn off Zip Clean if it will not be spraying at least every 10 minutes. If heated water is used, reduce this time.

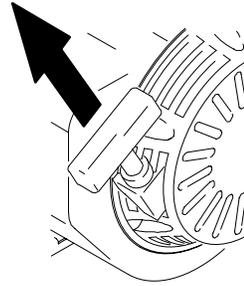
Do not operate Zip Clean with inlet water screen removed. This screen helps keep abrasive sediment out of pump, which could clog pump or damage cylinders. Keep screen clean.

Do not pump caustic materials, such materials could corrode pump components.



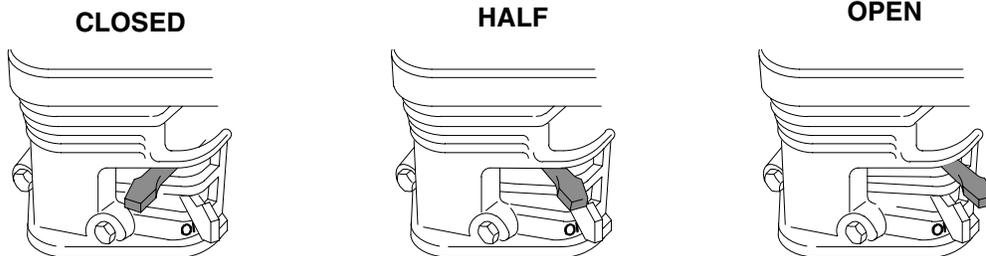
8. Pull starter rope quickly to start engine. Pull and return rope until engine starts.

HINT: Placing one foot on Zip Clean as a brace provides better leverage.

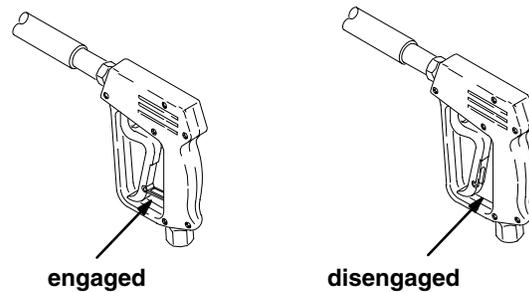


NOTE: For easier starting, have one person start Zip Clean while another triggers gun.

- If engine is cold, start engine with choke completely closed. In cool weather, you might have to let engine run with choke closed for first 10–30 seconds. In warm weather, open choke completely as soon as engine starts.
- If engine is warm, start engine with choke completely open or partially closed. When engine starts open choke completely.



WARNING				



Trigger Safety Latch

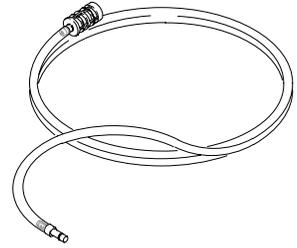
Always engage safety latch when you stop spraying even for a moment. The engaged, safety latch prevents gun from being triggered accidentally by hand or when dropped or bumped. Be sure the latch is pushed fully down, or it will not prevent the gun from being triggered.

Chemical Injector Operation

1. Follow **Pressure Relief Procedure**, page 5.

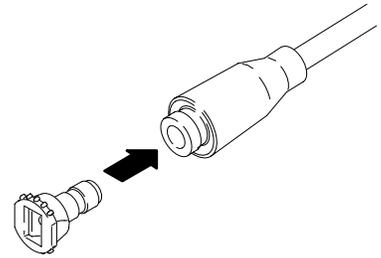


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2. Insert chemical filter (attached with clear tubing to chemical injector) into container of chemical. Insert brass coupler into chemical injector.



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3. Install the black, large-orifice, chemical tip. (Installing and Changing Spray Tips, page 10).

NOTE: The large orifice of chemical tip causes a drop in pressure that actuates chemical injector. Changing back to a small orifice spray tip deactivates the chemical injector and produces high pressure for rinsing. The chemical filter can be left in the chemical container during high-pressure use. To regulate flow rate of chemical, turn chemical adjustment knob on the injector.



Installing and Changing Spray Tips

Spray tips have 4- or 5-digit numbers on them. The first two digits are the spray angle. Tip holding holes are provided on the chassis including one extra hole for future tip placement.

Spray Tip Number	Spray Pattern Fan Angle
00XXX	0° blaster (red)
15XXX	15° (yellow)
40XXX	40° (white)
Chemical	XX° (black)

NOTE: The chemical injector tip is brass and has a large opening and a black plastic cap.

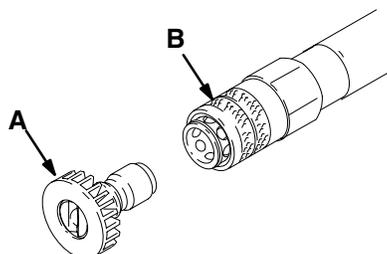
1. Perform **Pressure Relief Procedure**, page 5.



2. Point the gun and wand away from you and anyone else.



3. Without holding your hand over spray tip (A), pull back quick coupler ring (B). Remove the current tip, install a different one. Then push the ring back on.



CAUTION

To avoid blowing the o-ring out of the quick coupler due to high pressure in system, never operate Zip Clean without a tip securely mounted in quick coupler.

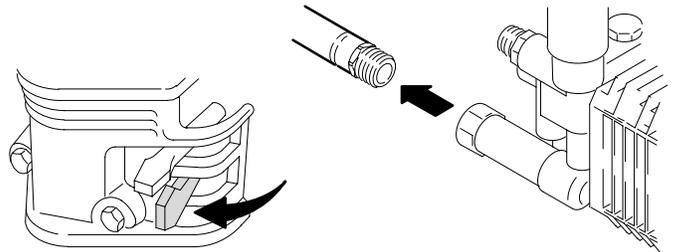
Shutdown, Flushing, and Storage

- If Zip Clean will be exposed to freezing temperatures, drain all water out of pump. If it must be stored in freezing temperatures, flush Zip Clean with a 50% antifreeze solution, and relieve pressure. Flush Zip Clean before you use it again to remove antifreeze.

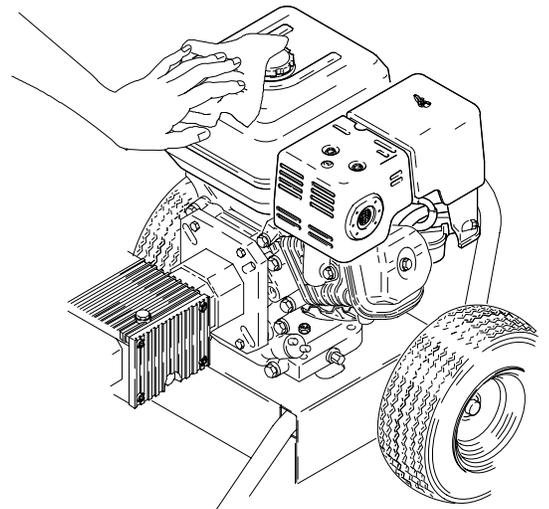
 CAUTION
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If water freezes in Zip Clean, thaw it in a warm room before you try to start it. Do not pour hot water on or into pump; it could crack the ceramic plungers.

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- Before you store the Zip Clean overnight or transport it, disconnect the water supply, and turn off the fuel supply valve.



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- After each use, wipe all surfaces of Zip Clean with a clean, damp cloth.



ti1617a

Sound Data

Sound Data	Zip Clean Models		
	2730 Briggs & Stratton Motor	2730 Honda Motor	3030
Sound Pressure	92.5 dB(A)	89.0 dB(A)	93.3 dB(A)
Sound Level	106.8 dB(A)	103.3 dB(A)	107.6 dB(A)
Unit Weight (dry)	95 lbs (43 kg)	99 lbs (45 kg)	135 lbs (61 kg)

ASM Standard Warranty

ASM warrants all equipment referenced in this document which is manufactured by ASM and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized ASM distributor to the original purchaser for use. With the exception of any special, extended, or limited warranty published by ASM, ASM will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by ASM to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with ASM's written recommendations.

This warranty does not cover, and ASM shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-ASM component parts. Nor shall ASM be liable for malfunction, damage or wear caused by the incompatibility of ASM equipment with structures, accessories, equipment or materials not supplied by ASM, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by ASM.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized ASM distributor for verification of the claimed defect. If the claimed defect is verified, ASM will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

ASM's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

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In no event will ASM be liable for indirect, incidental, special or consequential damages resulting from ASM supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of ASM, or otherwise.

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