BE POWER® EQUIPMENT



HWS3524HSBAS | HWS4018VSBAS | HWS4024HSBAS

OPERATORS MANUAL

BEPOWEREQUIPMENT.COM

9.2026

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Congratulations on your purchase of a BE Power Equipment pressure washer. You can be confident that this machine is constructed and tested with optimum performance and quality in mind.

Reading this manual will help get you the best results for set-up, operation, maintenance and avoid personal injury or damage to your machine. By knowing how best to operate this machine, you will be better positioned to show others who may also operate the unit.

All the information in this manual is based on the latest product information available at the time of printing. BE Power Equipment reserves the right to make changes at any time without notice or incurring any obligation.

OWNER/OPERATOR RESPONSIBILITY

The owner/operator must have a thorough understanding of the operation, maintenance and dangers associated with using this machine. It must be understood that it is ultimately up to the owner/operator to safely use this machine as outlined in this manual.

This manual is considered a part of the machine and needs to be kept in a safe location. If the machine is resold or given to someone else, this manual needs to be included.

PRODUCT REGISTRATION

Please register your product online to get the maximum benefit from your warranty. Use the QR code below or register online at: bepowerequipment.com/product-registration

It is recommended that you record the product identification numbers in this manual. These numbers are important to have on hand if you need to contact technical support (1-866-850-6662). The model and serial number can be found on the box and on decal on the machine.

PRODUCT IDENTIFICATION

Model Number: _____

Serial Number: _____

Date of Purchase: _____

Dealer Name: _____

ACTUAL PRODUCT MAY VARY FROM THE IMAGES SHOWN IN THE MANUAL.



REGISTER ONLINE AT:
bepowerequipment.com/product-registration

THIS IS THE SAFETY ALERT SYMBOL. IT IS USED TO ALERT YOU TO POTENTIAL PERSONAL INJURY HAZARDS. OBEY ALL SAFETY MESSAGES THAT FOLLOW THIS SYMBOL TO AVOID POSSIBLE INJURY OR DEATH.

DANGER	This indicates a hazard which, if not avoided, will result serious injury or death
WARNING	This indicates a hazard which, if not avoided, will result in serious injury or property damage.
CAUTION	This indicates a hazard which, if not avoided, might result in minor or moderate injury.
NOTICE	This indicates a situation that could damage equipment or other property. Make sure all security messages are observed and followed.

HAZARD SYMBOLS AND MEANINGS



EXPLOSION



FIRE



HOT SURFACE



MOVING PARTS



FLYING OBJECTS



ELECTRIC SHOCK



TOXIC FUMES



INJECTION

DANGER

- Always operate the pressure washer in a well-ventilated area free of flammable vapors, combustible dust, gases, or other combustible materials.
- Do not store the pressure washer near an open flame or any equipment such as a stove, furnace, water heater, etc., which utilizes a pilot light or sparking device.
- Do not use this pressure washer to spray flammable material.
- Do not smoke while filling burner fuel tank.
- Never fill the fuel tanks while the pressure washer is running or hot. Allow unit to cool for two minutes.
- Always refuel slowly to avoid the possibility of spilled fuel which may cause a risk of fire.
- Always leave room for fuel to expand in the gas tank. Do not overfill.
- Engine Fuel Tank (Black): If using a Gasoline Engine, refuel with gasoline only. Do not use diesel or kerosene.
- Burner Fuel Tank (Yellow): When refueling the Burner Fuel Tank, use No. 1 or No. 2 fuel oil/diesel or kerosene. Do not use gasoline.
- Do not operate the unit if gasoline or diesel fuel is spilled. Wipe the pressure washer clean and move it away from the spill. Avoid creating any ignition until the gasoline or diesel fuel has evaporated.
- When the battery is being activated, hydrogen and oxygen gases in the battery are extremely explosive. Keep open sparks and flames away from the battery at all times, especially when charging.
- Be certain to disconnect the battery ground terminal before servicing. When disconnecting the cable from the battery, start with the negative terminal. When connecting them, start with the positive cable. This unit uses an Anderson connector for the battery; both terminals disconnect simultaneously as a single connection.
- When charging the battery, remove the battery vent plugs.
- Use only a voltmeter or hydrometer to check a battery charge.
- DO NOT jump start the battery unless both batteries are of equal voltage and amperage.



⚠ WARNING

SERIOUS INJURY OR DEATH MAY OCCUR FROM A FIRE CAUSED BY A MUFFLER SPARK.
SERIOUS INJURY OR DEATH MAY OCCUR IF SYSTEM SAFETY'S ARE NOT PROPERLY MAINTAINED.

- A spark arrester must be added to the muffler of this engine when using on land covered with any flammable agricultural crop (hay and grain), and if they are used in or near brush or forested areas. The arrester must be maintained in effective working order by the operator of the equipment. This unit, as a pressure washer, is not CARB-certified for sale or use in California. Other states/provinces may have similar spark arrester laws. Federal laws apply on Federal lands.
- This pressure washer has a Safety Relief Valve. This should never be altered, modified, removed or made inoperative. If the device fails, replace immediately with genuine manufacturer replacement part.



⚠ WARNING

SERIOUS INJURY OR DEATH MAY OCCUR FROM INHALING ENGINE/BURNER EXHAUST OR DANGEROUS VAPORS. THE ENGINE EXHAUST FROM THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.

- Never operate this pressure washer in an enclosed area. Always ensure there is adequate ventilation (fresh outside air) for breathing and combustion. This will prevent the buildup of dangerous carbon monoxide gases. Beware of poorly ventilated areas, or areas with exhaust fans which can cause poor air exchange. This unit should only be used outdoors to ensure ventilation is never an issue.
- Follow all safety instructions provided with the materials you are spraying. Use of a respirator may be required when working with some materials. Do not use this pressure washer to dispense hazardous detergents.



⚠ WARNING

SERIOUS INJURY OR DEATH COULD OCCUR FROM HIGH PRESSURE SPRAY PENETRATING THE SKIN.
KEEP CLEAR OF NOZZLE AND SPRAY! NEVER PUT YOUR HAND, FINGERS OR BODY DIRECTLY OVER THE SPRAY NOZZLE.

- Do not direct discharge stream at self, other persons, or pets.
- This product is to be used only by trained operators.
- Always keep operating area clear of other people.
- Do not allow children to operate this unit or be in the vicinity while you operate it.
- Seek emergency medical care if spray seems to have penetrated the skin. Do not treat as a simple cut!
- High pressure hoses and fuel lines should be inspected daily for signs of wear. If evidence of failure exists, promptly replace all suspect hoses and fuel lines to prevent the possibility of injury from the high pressure spray. If a hose or fitting is leaking, do not place your hand on the leak.
- Never operate the gun with the trigger locked in the open position. To prevent accidental discharge, the trigger gun should be securely locked when not in use.
- Before removing the spray nozzle or servicing the unit, always shut the unit off and pull the trigger of the gun to release trapped pressure (even after you shut off the unit, there is high pressure water left in the pump, hose and gun until you release it by pulling the trigger the gun).



⚠ WARNING

SERIOUS INJURY OR DEATH MAY OCCUR FROM CONTACT WITH ELECTRICITY.

- Do not direct spray on or into electrical installations of any kind! This includes electrical outlets, light bulbs, fuse boxes, transformers, and the unit itself.
- Do not allow metal components of the pressure washer to come in contact with live electrical components.



⚠ WARNING

SERIOUS INJURY MAY OCCUR FROM TOUCHING THE GASOLINE ENGINE, MUFFLER, OR HEAT EXCHANGER. THESE AREAS CAN REMAIN HOT FOR SOME TIME AFTER THE PRESSURE WASHER IS SHUTDOWN.

- Never allow any part of your body to contact the gasoline engine, muffler, heat exchanger, or hot water fittings.



⚠ WARNING

SERIOUS INJURY MAY OCCUR TO THE OPERATOR FROM MOVING PARTS ON THE PRESSURE WASHER.

- Before making any adjustments, be certain the engine is turned off and the ignition cable(s) is removed from the spark plug(s). Turning the machinery over by hand during adjustment or cleaning might start the engine and machinery with it.
- Do not operate the unit without all protective covers in place.



⚠ WARNING

SERIOUS INJURY MAY OCCUR FROM A PRESSURE WASHER MALFUNCTION OR EXPLODING ACCESSORIES IF INCORRECT SYSTEM COMPONENTS, ATTACHMENTS, OR ACCESSORIES ARE USED. SERIOUS INJURY OR DEATH MAY OCCUR IF ATTEMPTING TO START THE PRESSURE WASHER WHEN THE PUMPING SYSTEM IS FROZEN.

- Never make adjustments to the factory set pressures.
- Never exceed manufacturers maximum allowable pressure rating of attachments.
- Do not allow any hoses to make contact with heat exchanger to prevent the possibility of bursting. Avoid dragging the hoses over abrasive surfaces such as cement.
- Use only manufacturer recommended repair parts for your pressure washer.
- In freezing temperatures, the unit must always be warm enough to ensure there is no ice formation in the pump. Do not start the pressure washer if it has been transported in an open or under heated vehicle without first allowing the pump to thaw.

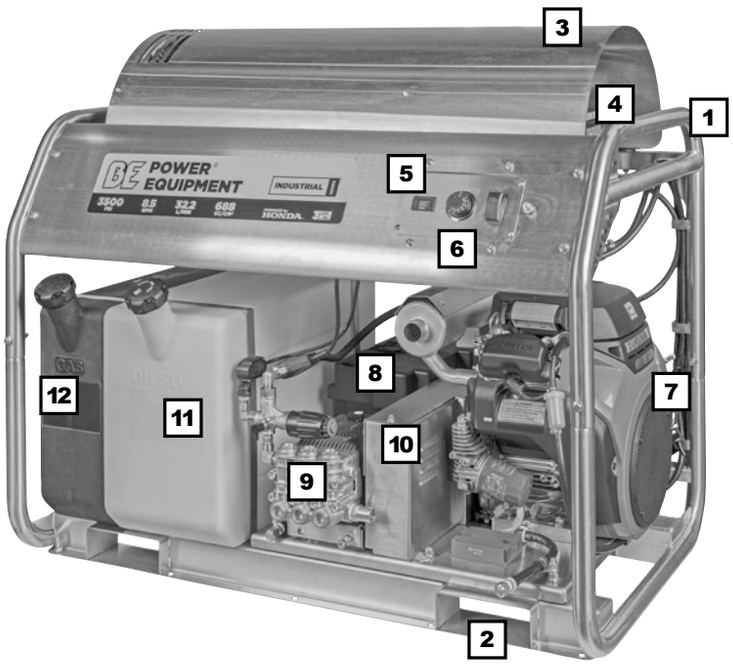


⚠ WARNING

SERIOUS INJURY OR DEATH MAY OCCUR FROM DETERGENTS CONTACTING THE SKIN.
SERIOUS INJURY CAN OCCUR FROM LOOSE DEBRIS BEING PROPELLED AT A HIGH SPEED FROM THE SPRAY GUN.
INJURY MAY OCCUR IF THE OPERATOR LOSES THEIR BALANCE CAUSED BY THE THRUST OF WATER TRAVELING THROUGH THE SPRAY NOZZLE.

- Never use any solvents or highly corrosive detergents or acid type cleaners with this pressure washer.
- Protective equipment such as rubber gloves and respirators are advisable, especially when using cleaning detergents.
- Keep all detergents out of the reach of children!
- Always wear protective goggles when operating the unit to shield the eyes from flying debris and detergents.
- Do not direct spray toward fragile materials such as glass.
- Stay alert: watch what you are doing. Do not operate the unit when fatigued or under the influence of alcohol or drugs.
- Never squeeze the trigger unless securely braced.
- Do not overreach or stand on unstable support.
- Wet surfaces can be slippery. Wear protective foot gear and keep good footing/balance at all times.
- Never pull the trigger of the gun while on a ladder, roof, or other unstable surface.
- Always hold on firmly to the gun/lance assembly when starting and operating the unit. Failure to do so can cause the lance to fall and whip dangerously.
- Do not leave pressurized unit unattended. Shut off the pressure washer and release trapped pressure before leaving.
- Do not operate the unit if you see any fuel, oil, or water leaking from the machine. DO NOT resume operation until the unit has been inspected and repaired by a qualified technician.
- Do not transport the unit by pulling on hoses or cords.

PRODUCT FEATURES & COMPONENTS



1. Slimline stainless steel skid frame
2. Built-in truck mount brackets for easy bolt-down installation
3. Schedule 80 heating coil, American-made cold-rolled carbon steel (length and wrap material vary by model — see chart)
4. 12V Beckett burner, diesel fired
5. Adjustable thermostat with ON/OFF rocker switch, up to 93°C/199°F
6. Hour meter
7. Electric start
8. 80 AH AGM deep cycle battery
9. Triplex pump with external unloader
10. Belt drive
11. 17 gal yellow poly diesel fuel tank
12. 10 gal black poly gas fuel tank

DESCRIPTION	HWS3524HSBAS	HWS4018VSBAS	HWS4024HSBAS
PRESSURE RATING	3,500 PSI	4,000 PSI	4,000 PSI
GPM	8.5	5.0	5.6
ENGINE MODEL	Honda GX690	Vanguard 18	Honda GX690
DISPLACEMENT	688 cc	570 cc	688 cc
VOLTAGE	12VDC	12VDC	12VDC
AMPS	17A (Honda GX690)	20A (Vanguard 18)	17A (Honda GX690)
BURNER TYPE	ADC Beckett	ADC Beckett	ADC Beckett
UNLOADER	VRT3 (AL607)	VRT3 (AL607)	VRT3 (AL607)
PUMP TYPE	CP CTB2S	CP CTB3S	CP CTB3S
PUMP CLASS	P10	P11	P11
NOZZLES INCLUDED	0°, 15°, 25°, 40°, Soaper	0°, 15°, 25°, 40°, Soaper	0°, 15°, 25°, 40°, Soaper
START TYPE	Electric Start	Electric Start	Electric Start
BATTERY TYPE	AGM, 12V, 80AH	AGM, 12V, 80AH	AGM, 12V, 80AH
GASOLINE (ENGINE) CAPACITY	37.8 L (10 U.S. gal)	37.8 L (10 U.S. gal)	37.8 L (10 U.S. gal)
DIESEL (BURNER) CAPACITY	64.4 L (17 U.S. gal)	64.4 L (17 U.S. gal)	64.4 L (17 U.S. gal)
ENGINE OIL CAPACITY	2.0 L (2.1 U.S. qts)	1.4 L (1.5 U.S. qts)	2.0 L (2.1 U.S. qts)
UNIT WEIGHT	950 lb (430.9 kg)	950 lb (430.9 kg)	950 lb (430.9 kg)
SHIPPING WEIGHT	975 lb (442.3 kg)	975 lb (442.3 kg)	975 lb (442.3 kg)
HOSE SIZE	50’ x 3/8”	50’ x 3/8”	50’ x 3/8”
HOSE RATING	6000 PSI, 310°F	6000 PSI, 310°F	6000 PSI, 310°F
HOSE MATERIAL	Double steel braided rubber	Double steel braided rubber	Double steel braided rubber

WATER SUPPLY

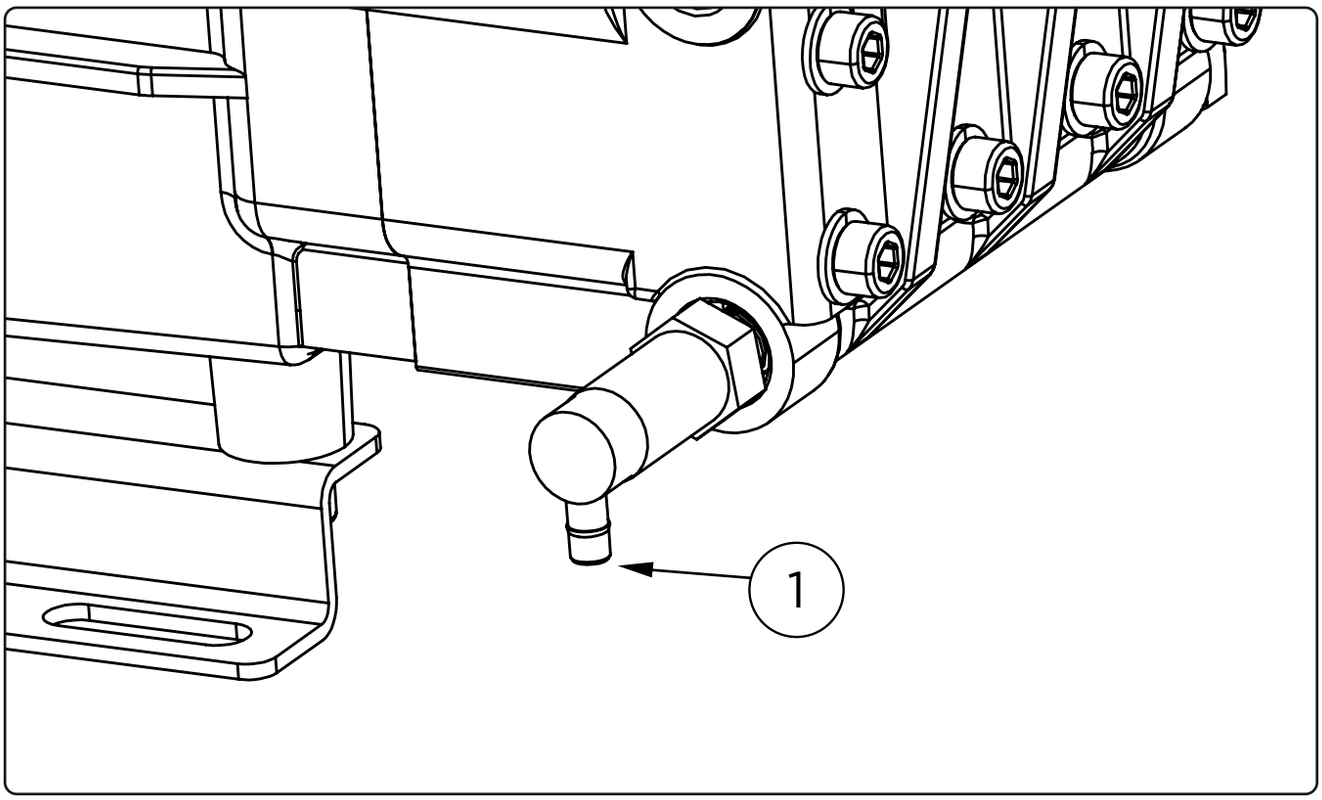
1. Select a water supply hose which is a quality grade of the hose measuring at least 3/4” ID and no longer than 50 feet to the water tank. Ensure water supply is capable of delivering at least the GPM rating of the unit, preferably at least +20%.
2. Attach a hose measuring 1/2” ID and rated for 100PSI minimum to the bypass from the unloader valve to the water supply tank.
3. Connect the hose to the inlet of your high pressure pump. Ensure the connection is tight at both ends (at the pump inlet and at the water supply source).
4. Install water inlet filter between pump and tank.
5. Never allow the unit to operate without the water hose attached and the water supply opened all the way.

! NOTICE

IF THERE IS A HIGH MINERAL CONTENT IN YOUR WATER, IT IS HIGHLY RECOMMENDED THAT A WATER SOFTENER AND AN ADDITIONAL WATER STRAINER BE ADDED TO THE WATER INLET. THIS WILL HELP PREVENT THE POSSIBILITY OF EXCESSIVE SCALE BUILDUP INSIDE THE HEAT EXCHANGER COIL.

Pumps are water cooled. When the machine is running, ensure the trigger of the gun is pressed to allow a constant flow of fresh water into and out of the pump. Do not let the machine run for more than 30 seconds without pulling the trigger.

Most pumps are protected by a thermal valve (1). The thermal valve releases water if a pump starts to run too hot. It will prevent catastrophic heat failure. However, the pump may have suffered damage and need maintenance, repair, or replacement. If it does not reset and continues to leak water, the thermal valve may need to be replaced.





0°
RED

15°
YELLOW

25°
GREEN

40°
WHITE

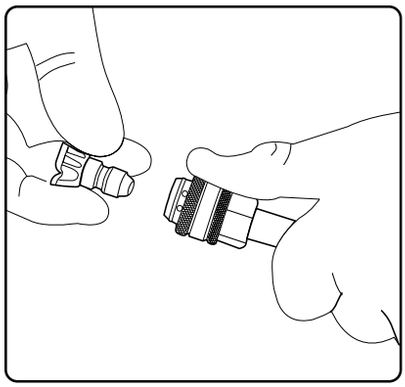
SOAPER°
BLACK

HOW TO USE SPRAY TIPS

The quick-connect on the nozzle extension allows you to switch between five different quick-connect spray tips. Spray tips can be changed while the pressure washer is running once the spray gun trigger safety lock is engaged. The spray tips vary the spray pattern as shown above.

FOLLOW THESE INSTRUCTIONS TO CHANGE SPRAY TIPS:

1. Pull back collar on quick-connect coupler and pull the current spray tip off. Store the spray tips in the holder provided on the handle. Storing tips in the designated holder will help prevent any debris from clogging the tip.



2. Select the desired spray tip:

- For a gentle rinse, select the white 40° spray tip.
- For light cleaning, select the green 25° spray tip.
- For high pressure cleaning, select the yellow 15° spray tip.
- To scour the surface, select the red 0° spray tip.
- To apply detergent, select the black spray tip. No other spray tip will draw soap.

3. Pull back on collar, insert spray tip and release collar. Tug on spray tip to ensure it is securely in place.

USAGE TIPS

- For most effective cleaning, keep spray tip 8 to 24 inches away from cleaning surface.
- If the spray tip gets too close to the surface being cleaned, especially using a high pressure spray tip (red or yellow), it may be damaged. Do not use the red spray tip on glass. Doing so could result in broken or cracked glass.

PRE-OPERATION SAFETY

1. This unit should only be placed on a level surface to ensure proper lubrication for the water pump while operating. Placing the unit on a level surface will also ensure that fuel, oil, and other fluids don't spill during operation. NEVER spray water directly on the unit.
2. Do not use unit in an area:

- with insufficient ventilation.
- where there is evidence of oil or fuel leaks.
- where flammable gas vapors may be present.

⚠ THIS UNIT HAS MULTIPLE IGNITION SOURCES THAT COULD CAUSE A FIRE OR EXPLOSION.

3. Do not allow the unit to be exposed to rain, snow, or freezing temperatures. If any part of the unit becomes frozen, excessive pressure may build up in the unit which could cause it to burst. This would result in possible serious injury to the operator or bystanders.
4. Pump oil level should be checked before each use. Make certain the oil is on the "Full" mark on the dipstick or in the center of the oil sight glass. If the level appears to be low, fill with SAE30W non-detergent pump oil.
5. Your pressure washer is equipped with an electric starter. On initial start-up, wear proper eye and skin protection when filling the battery with acid. Fully charge the battery to allow electric starter to function.

MANUAL & SAFETY REVIEW

1. Review "Risk of Explosion or Fire" warnings, before fueling.
2. Locate the Safety Decals on your unit and heed their warnings.
3. Engines: See the included engine Owner's Manual for fuel requirements.
4. Burner Fuel: When filling tank, use No. 1 or No 2 fuel oil/diesel or kerosene.
5. Check the engine oil level before starting the engine.
6. Review the engine manual accompanying this pressure washer for correct engine start-up and maintenance procedures.

START-UP PROCEDURE PREPARATION

Before starting the unit, perform the following procedures:

1. Check the oil level and condition for the pump and engine. Refer to manufacturer documentation for correct oil type and specification.
2. Inspect the water inlet strainer. Clean or replace if necessary.
3. Check all hose connections to ensure they are securely tightened.
4. Inspect for system water leaks, oil leaks and fuel leaks. If a fuel leak is found, do not start the unit. Be sure that all damaged parts are replaced and mechanical problems are corrected prior to operation of the unit.
5. Inspect high pressure hoses for kinking, cuts, and leaks. If a cut or leak is found, do not use the hose. Replace hose before starting unit. Be sure that all damaged parts are replaced and that the mechanical problems are corrected prior to operation of the unit.

START-UP (COLD WATER)

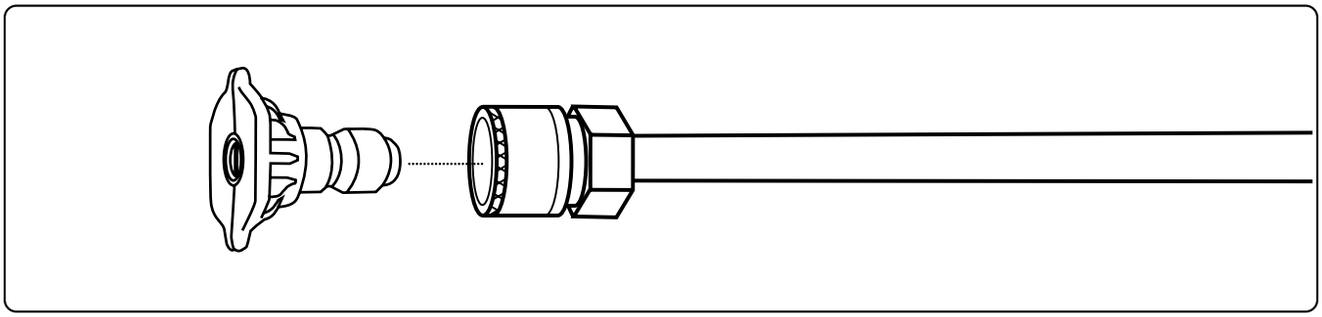
To start your pressure washer for the first time, follow these instructions step-by-step. This starting information also applies if you have let the pressure washer sit idle for at least a day.

1. Make sure the unit is level and placed on solid surface.
2. Connect garden hose to water inlet on pressure washer pump. To do this, thread the end of the hose into the inlet by hand until tight and secure.
3. Attach wand extension to spray gun. Tighten by hand.

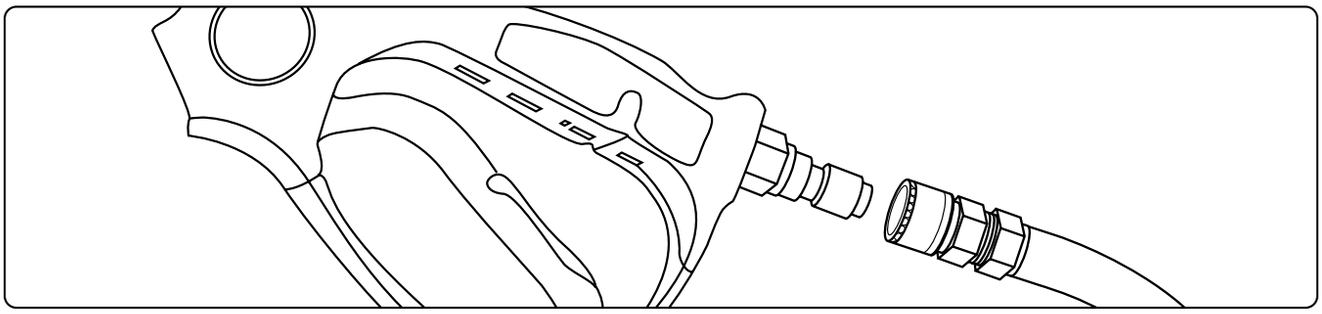
⚠ NOTICE

DO NOT RUN THE PUMP WITHOUT THE WATER SUPPLY CONNECTED AND TURNED ON. FAILURE TO FOLLOW THIS RULE WILL RESULT IN DAMAGE TO THE PUMP. DAMAGE CAUSED BY RUNNING THE PUMP WITHOUT WATER IS NOT COVERED BY WARRANTY.

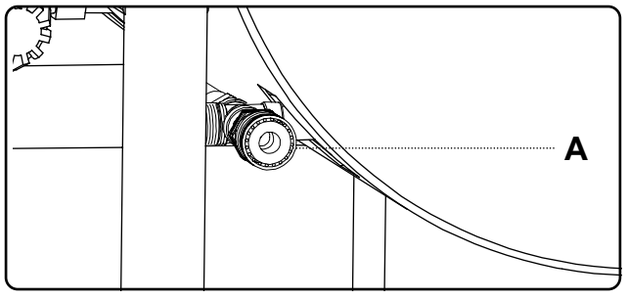
4. Choose desired spray tip, pull back nozzle extension collar, insert spray tip and release collar. Tug on spray tip to make sure it is securely in place. See Spray Tips for more information.



5. Pull down on the collar of the quick-connect coupler, slide onto the gun connector and let go of collar. Pull on hose to ensure the connection is tight.



6. Attach the other end of the high pressure hose to high pressure outlet on pump. Pull down on collar of quick-connect, slide onto pump and let go of collar. Note that some pumps require the hose to be threaded on. Tug on the hose to ensure connection is secure.

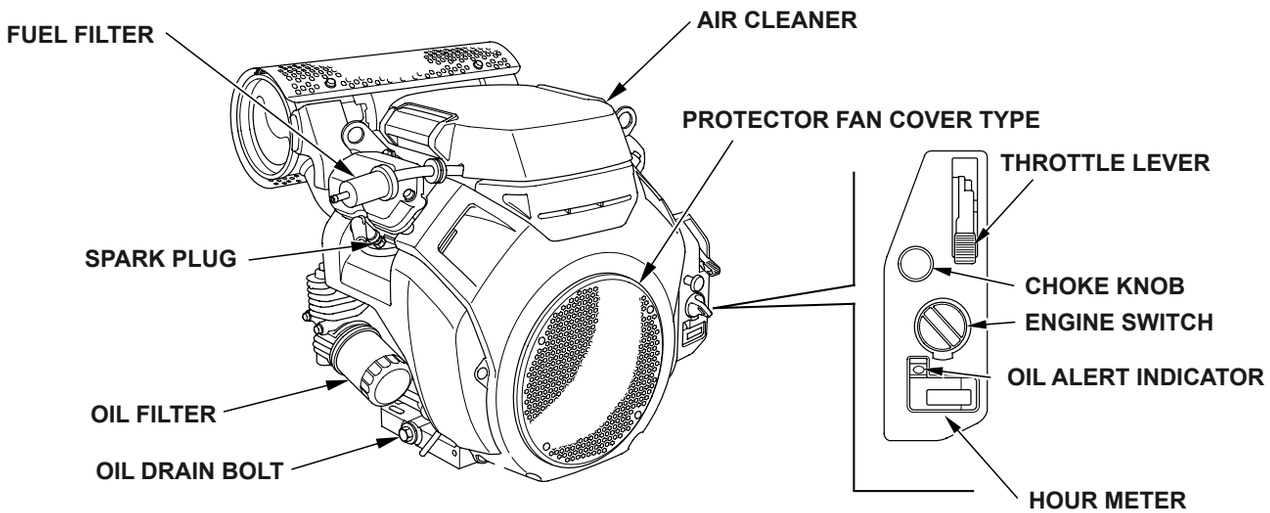


7. Turn water supply on if you have not already done so. Point the gun in a safe direction and squeeze the trigger to purge the pump of air and debris. Do this until water flow is flowing at a steady rate. Continue to hold trigger of gun down while starting the machine to ensure there is no pressure build-up.
8. Take a final look at all connections to make sure there are no leaks or loose connections. If there are any leaks in hoses, they must be replaced.

⚠ IMPORTANT: DO NOT SIPHON STANDING WATER FOR THE WATER SUPPLY. MAKE SURE BURNER SWITCH IS OFF.

9. To start the machine, locate the electric ignition switch on the right side of the engine. Insert the key and turn it to the “ON” position until the unit starts. Do not hold the switch to the “ON” position for more than 5 seconds as this can cause damage to the engine. Check to ensure fuel valve is in the ON position and if starting cold, move the choke lever to the “CLOSED” position.

Remember to gradually move the choke lever back to the “open” position once the engine is running.



***ENGINE USES SAE 10W30 OIL**

HOT WATER OPERATION

Now that the unit is running, it is operating as a cold water pressure washer. When you wish to switch to hot water, turn the burner switch to the “ON” position.

! NOTICE

UPON INITIAL START-UP, WATER WILL BEGIN HEATING UP IN APPROXIMATELY 20 SECONDS. IT WILL REACH MAXIMUM TEMPERATURE WITHIN 2-1/2 MINUTES PROVIDING THAT THE TRIGGER IS CONTINUOUSLY PRESSED DOWN. THE BURNER WILL NOT FIRE WHEN THE TRIGGER IS RELEASED.

! WARNING

THE TEMPERATURE OF THE WATER CAN BECOME EXTREMELY HOT DURING OPERATION.

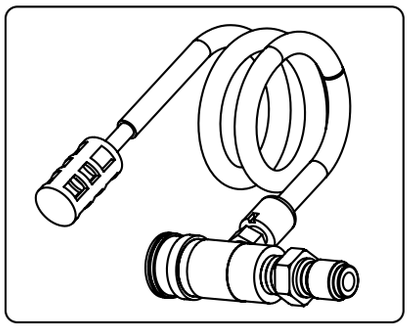
! USE CAUTION WHEN OPERATING THE SPRAY GUN.

APPLYING DETERGENT

! NOTICE

THIS FEATURE IS DESIGNED FOR USE WITH MILD DETERGENTS ONLY. SINCE THE CLEANING SOLUTION TRAVELS THROUGH THE HEAT EXCHANGER COIL, DO NOT USE CORROSIVES AS THEY WILL CAUSE EXTENSIVE DAMAGE AS WELL AS POSE A CONSIDERABLE SAFETY HAZARD.

1. Prepare detergent solution according to label directions. Never pump acids, alkaline, abrasive fluids or solvents through the unit. Due to the unknown and often corrosive characteristics of many detergents commonly used in the pressure washer cleaning industry, it is recommended to use only mild detergents with this unit.
2. Fully immerse the detergent strainer into the detergent solution.
3. To apply solution, install the black soap nozzle to the tip of the spray gun, unlock the gun, and squeeze the trigger. After a few moments, a detergent/water mixture will exit the 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 everything to soak briefly.
4. Avoid working on hot surfaces or in direct sunlight to minimize the chances of the detergent drying, which may result in damaged surfaces. Be certain to rinse a small section at a time.
5. To rinse, lock the trigger gun in the “OFF” position. From here, securely place the white or green spray tip in the end of the spray gun. Unlock the trigger 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.
6. 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.



SHUTTING THE UNIT DOWN

1. Move the burner switch to the “OFF” position.
2. Squeeze the trigger and discharge the water for three minutes to cool the heat exchanger and high pressure hose. Insufficient cool-down periods for the high pressure hose will cause excessive wear and eventual rupture of the hose.
3. Do not close the choke to stop the engine. Backfire or engine damage may occur.
4. Move the engine key switch to the OFF position.
5. Turn off the water supply and pull the trigger of the gun to relieve trapped pressure.

Disconnect and drain the high pressure hose, gun, and lance. Wipe the unit clean and store in a non-freezing environment.

STORAGE AND WINTERIZING

If you do not plan to use the pressure washer for more than 30 days, you must prepare the engine and pump for long term storage. See the engine user manual for specific instructions regarding this.

When storing the unit for winter, it is important to ensure it is stored in the right environment. Ensure the storage area stays above freezing during cold weather, and try to limit the amount of dust gathered on the unit via a cover.



⚠ WARNING

STORAGE COVERS CAN BE FLAMMABLE.

- DO NOT place a storage cover over a hot pressure washer.
- Let equipment cool for at least 30 minutes before placing the cover on the equipment.

You will need to ensure that the fuel is drained from the engine prior to storage. For the steps required to do this, see the engine user manual.

Once the unit has been stored and the gasoline has been drained, the last thing to do is to winterize your pump. This can be done using BE “Pump Saver” Solution (P/N: 85.490.046). This is an anti-freeze solution that is used before storing the unit. It coats the inside of the pump to ensure that any residual water doesn’t freeze. To use BE Pump Saver, follow the instructions written on the bottle. Water freezing in the pump will damage seals and other internal parts. Freezing damage is not covered by warranty.

⚠ CAUTION

BE CERTAIN THE HOSES AND SPRAY GUN ARE NOT ATTACHED TO THE PUMP DURING APPLICATION OF PUMP SAVER OR USE OF THE BLOWOUT TOOL. HAVING A HOSE ATTACHED GREATLY REDUCES THE AMOUNT OF WATER/DEBRIS REMOVED FROM THE PUMP AND COIL.

⚠ NOTICE

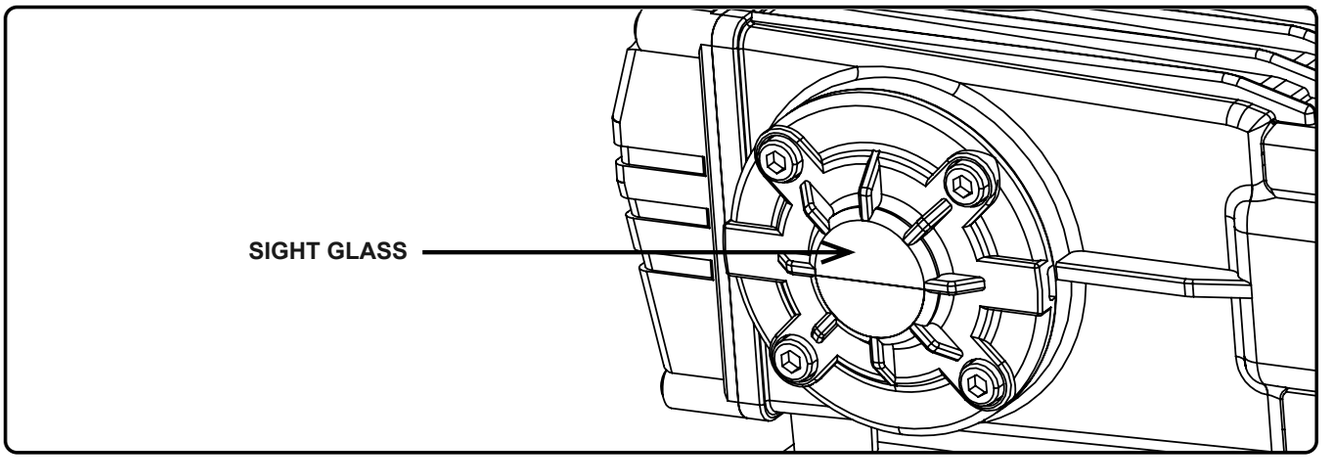
YOU MUST PROTECT YOUR UNIT FROM FREEZING TEMPERATURES.

1. Failure to do so will permanently damage your pump and render your unit inoperable.
2. Freezing damage is not covered under warranty.

SPECIFIC MAINTENANCE

ENGINE: The engine instructions that accompany your unit detail specific procedures for maintenance of the engine. Following the engine manufacturer's recommendations will extend the engine's life and ensure the best possible performance.

PUMP: Change the pump oil after the first 50 hours of operation. After the initial change, every 3 months or 250 hour intervals are recommended. If oil appears dirty or milky, changes may be required in greater frequency. Use SAE 30 non-detergent pump oil and fill only to the center of the oil sight glass. DO NOT overfill.



NOZZLE: Water flow through the spray nozzle will erode the orifice over time, making it larger. This will result in a reduction of pressure. Nozzles should be replaced whenever pressure is less than 85% of the maximum. The frequency of replacement will depend upon such variables as mineral content in the water and number of hours the nozzle is used. Every 3-6 months tends to be a standard interval for replacement.

MAINTENANCE SCHEDULE

PROCEDURE	DAILY	3 MO.	6 MO.	9 MO.	12 MO.
CHECK ENGINE OIL LEVEL	X				
CHANGE ENGINE OIL *****		X	X	X	X
CHECK WATER PUMP OIL LEVEL	X				
CHANGE WATER PUMP OIL **		X	X	X	X
OIL LEAK INSPECTION	X				
FUEL LEAK INSPECTION	X				
WATER LEAK INSPECTION	X				
HOSE INSPECTION	X				
WATER INLET SCREEN INSPECTION	X				
CHECK FUEL FILTER		X	X	X	X
REPLACE FUEL FILTER			X		
INSPECT BELTS		X	X	X	X
REPLACE HIGH PRESSURE NOZZLE ***		X	X	X	X
INSPECT FUEL PUMP FILTER *					X
REPLACE FUEL NOZZLE *					X
CHECK BURNER AIR ADJUSTMENT		X	X	X	X
CHECK BURNER ELECTRODES *					X
TEST WATER PRESSURE *		X	X	X	X
TEST FUEL PRESSURE *		X	X	X	X
TEST WATER TEMPERATURE *		X	X	X	X
DESCALE COIL ****					X

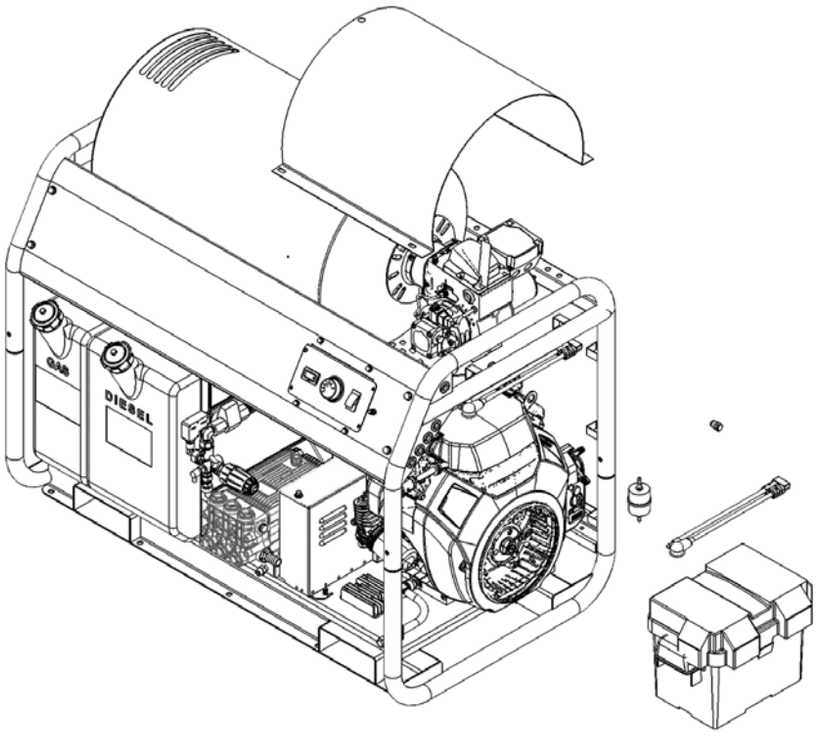
** Must be performed by an authorized service technician.*
*** Pump oil must be changed after the first 50 hours of operation and then every 250 hours or 3 months, whichever comes first.*
**** High pressure nozzle should be replaced whenever pressure drops to less than 85%.*
***** Scale build-up will vary with mineral content in the water and amount of usage; descaling can range from weekly to yearly maintenance.*
****** Engine oil must be changed after the first 8 hours of operation and then every 50 hours or 3 months, whichever comes first.*

HONDA GX690 MAINTENANCE SCHEDULE (HWS3524HSBAS, HWS4024HSBAS).

For HWS4018VSBAS (Vanguard 18), refer to the engine manufacturer's manual.

REGULAR SERVICE PERIOD (3)	EACH USE	FIRST MONTH OR 20 HRS	EVERY 6 MONTHS OR 100 HRS	EVERY YEAR OR 300 HRS	EVERY 2 YEARS OR 500 HRS
ENGINE OIL — CHECK LEVEL	X				
ENGINE OIL — CHANGE		X	X		
ENGINE OIL FILTER — REPLACE	EVERY 200 HRS.				
AIR CLEANER — CHECK	X				
AIR CLEANER — CLEAN				X(1)	
AIR CLEANER — REPLACE					X
SPARK PLUG — CHECK-ADJUST			X		
SPARK PLUG — REPLACE				X	
SPARK ARRESTER — CLEAN (APPLICABLE TYPES)			X		
IDLE SPEED — CHECK-ADJUST			X (2)		
VALVE CLEARANCE — CHECK-ADJUST			X (2)		
COMBUSTION CHAMBER — CLEAN	AFTER EVERY 1000 HRS. (2)				
FUEL FILTER — REPLACE				X (2)	
FUEL TUBE — CHECK	EVERY 2 YEARS (REPLACE IF NECESSARY) (2)				

(1) Clean more frequently when used in dusty areas.
(2) Should be serviced by your authorized BE Power Equipment service center or a qualified technician, unless you have the proper tools and are mechanically proficient.
(3) Perform at every indicated month or operating hour interval, whichever comes first.



PUMP ASSEMBLY

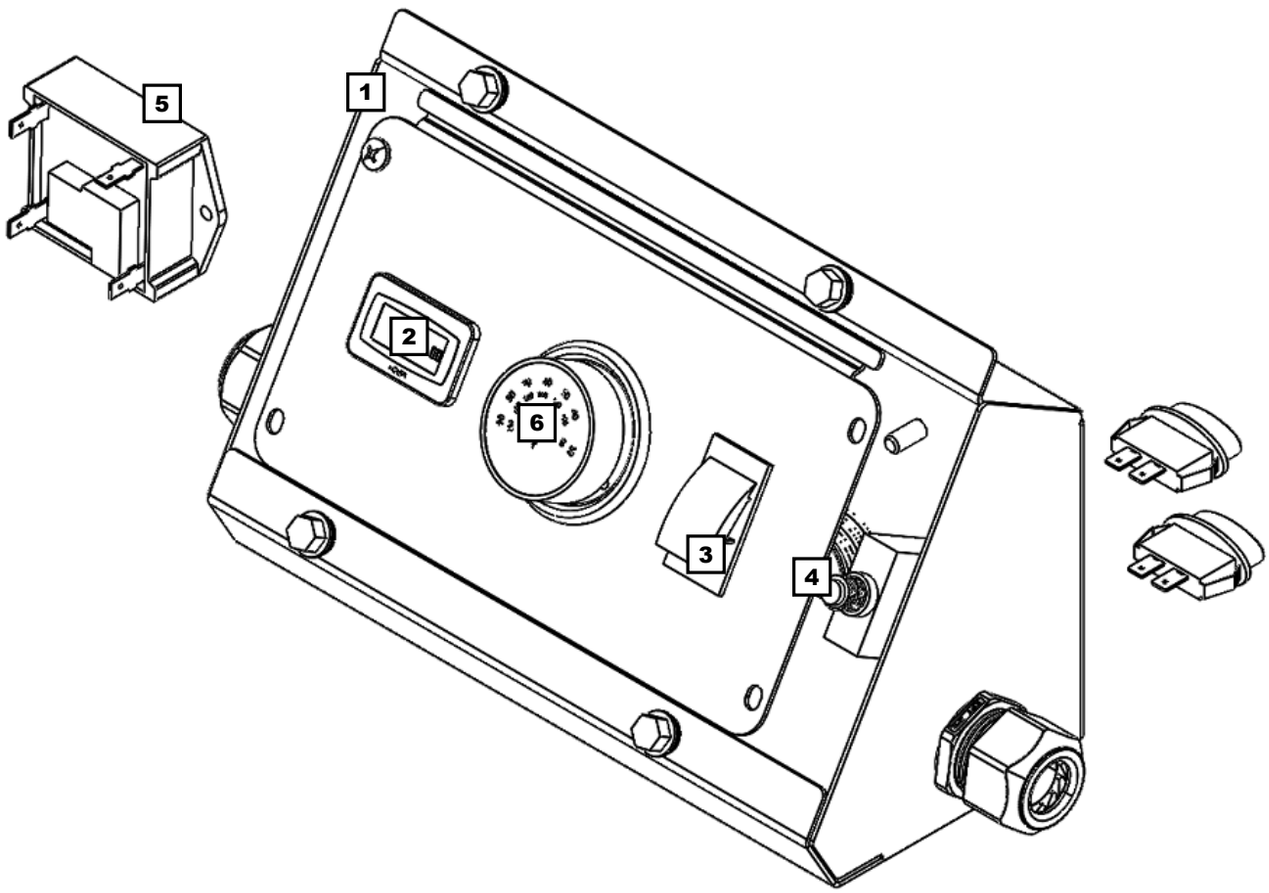
COMPONENT	PART #	APPLIES TO
PUMP	85.120.171	HWS3524HSBAS (8.5 GPM)
PUMP	85.120.159	HWS4024HSBAS (5.6 GPM) + HWS4018VSBAS (5.0 GPM)
UNLOADER	AL607	ALL THREE SKUS
THERMAL VALVE	85.300.023	ALL THREE SKUS
FLOW SWITCH	85.300.015	ALL THREE SKUS
PRESSURE SWITCH	85.300.082	ALL THREE SKUS
OIL DRAIN (PUMP)	85.400.073	ALL THREE SKUS

ENGINE ASSEMBLY

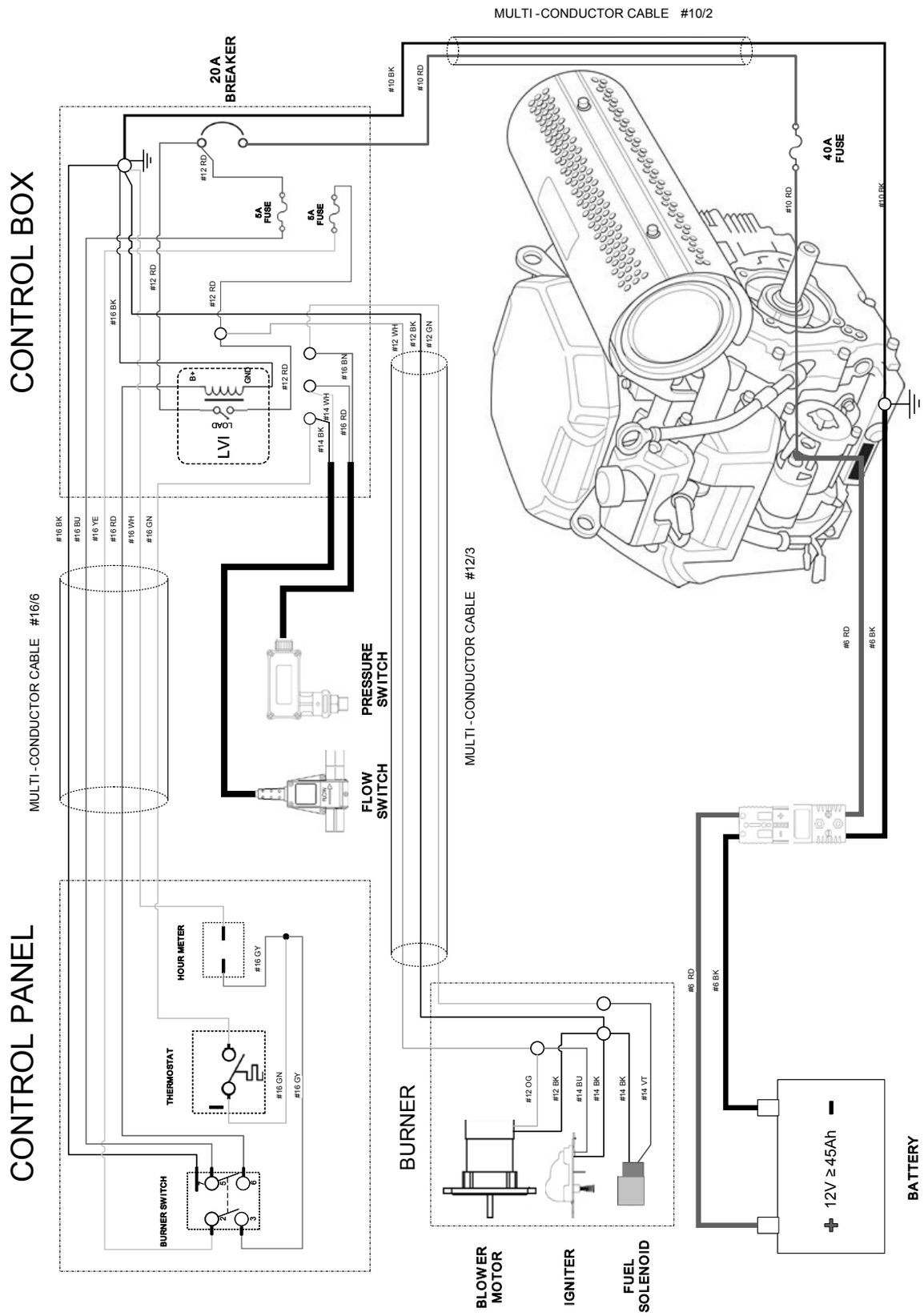
COMPONENT	PART #	APPLIES TO
ENGINE	85.510.690	HWS3524HSBAS + HWS4024HSBAS (HONDA GX690)
ENGINE	85.540.180	HWS4018VSBAS (VANGUARD 18)
FUEL LINE (GAS/DIESEL)	85.225.250	ALL THREE SKUS
BELT GUARD	85.602.260A	HWS3524HSBAS + HWS4024HSBAS ONLY
PUMP PULLEY	85.603.047	ALL THREE SKUS
PUMP BUSHING	85.603.048	ALL THREE SKUS
ENGINE PULLEY	85.603.045	ALL THREE SKUS
ENGINE BUSHING	85.603.046	ALL THREE SKUS
BELTS	47.002.034	ALL THREE SKUS
MUFFLER	85.550.012	HWS3524HSBAS + HWS4024HSBAS (HONDA GX690)
MUFFLER	85.541.003	HWS4018VSBAS (VANGUARD 18)
OIL DRAIN (ENGINE)	85.400.073	HWS4018VSBAS
	85.400.076	HWS3524HSBAS + HWS4024HSBAS ONLY

OTHER COMPONENTS

COMPONENT	PART #	APPLIES TO
OIL BURNER	59.110.016	ALL THREE SKUS
HEATING COIL	59.000.208	HWS3524HSBAS (8.5 GPM)
HEATING COIL	59.000.200	HWS4024HSBAS (5.6 GPM) + HWS4018VSBAS (5.0 GPM), SHARED COIL
GAS TANK	85.601.052	ALL THREE SKUS
GAS CAP	85.601.046	ALL THREE SKUS
DIESEL TANK	85.601.051	ALL THREE SKUS
DIESEL CAP	85.400.008	ALL THREE SKUS
DIESEL FILTER	59.000.104	ALL THREE SKUS
RUPTURE DISC	59.000.128	ALL THREE SKUS
LOW VOLTAGE INHIBITOR RELAY	59.000.102	ALL THREE SKUS
BATTERY BOX	85.603.101	ALL THREE SKUS
BATTERY	85.603.100	ALL THREE SKUS
THERMOSTAT	85.400.130	ALL THREE SKUS
BURNER SWITCH	85.504.028	ALL THREE SKUS
HOUR METER	59.000.206	ALL THREE SKUS
BREAKER	85.504.026	ALL THREE SKUS



ITEM	PART #	DESCRIPTION
1	85.600.231	Burner control box
2	59.000.206	Hour meter
3	85.504.028	Toggle on/off switch (12v burner, adc series)
4	85.504.026	Push to reset 25a circuit breaker (12v)
5	59.000.102	Low voltage relay (12v)
6	85.400.130	Thermostat


MULTI-CONDUCTOR CABLE #10/2
20A BREAKER
#10 BK
#10 RD
40A FUSE
#10 RD
#10 BK
#12 RD
5A FUSE
5A FUSE
#12 RD
#12 RD
#16 BK
#12 WH
#12 BK
#12 GN
B+
GND
LOAD
LVI
#12 RD
#16 BN
#14 WH
#14 BK
#16 RD
CONTROL BOX
#16 BK
#16 BU
#16 YE
#16 RD
#16 WH
#16 GN
MULTI-CONDUCTOR CABLE #16/6
PRESSURE SWITCH
FLOW SWITCH
MULTI-CONDUCTOR CABLE #12/3
#6 RD
#6 BK
#6 RD
#6 BK
CONTROL PANEL
HOUR METER
#16 GY
THERMOSTAT
#16 GN
#16 GY
BURNER SWITCH
BURNER
#12 OG
#12 BK
#14 BU
#14 BK
#14 BK
#14 VT
BLOWER MOTOR
IGNITER
FUEL SOLENOID
12V ≥ 45Ah
BATTERY

ADC BECKETT BURNER

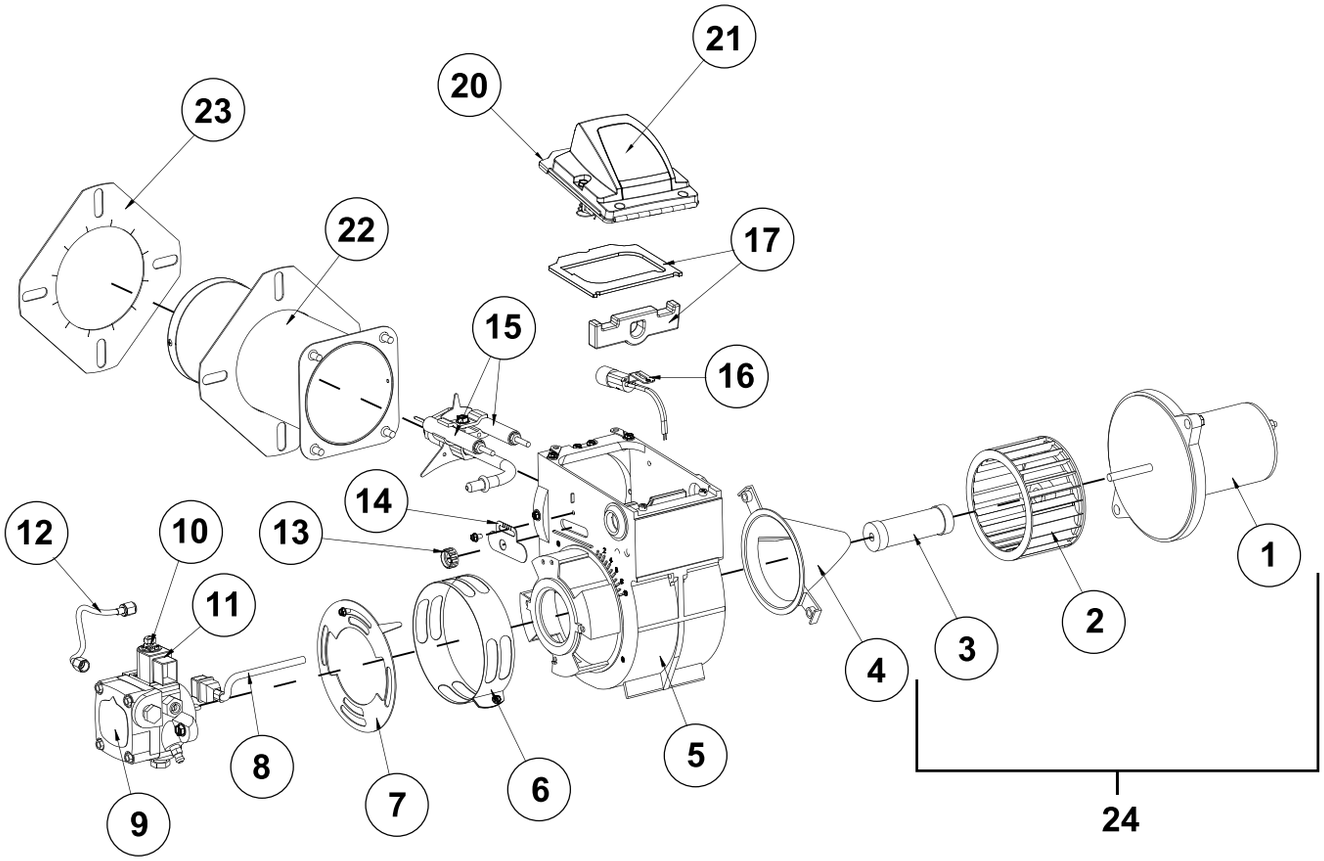
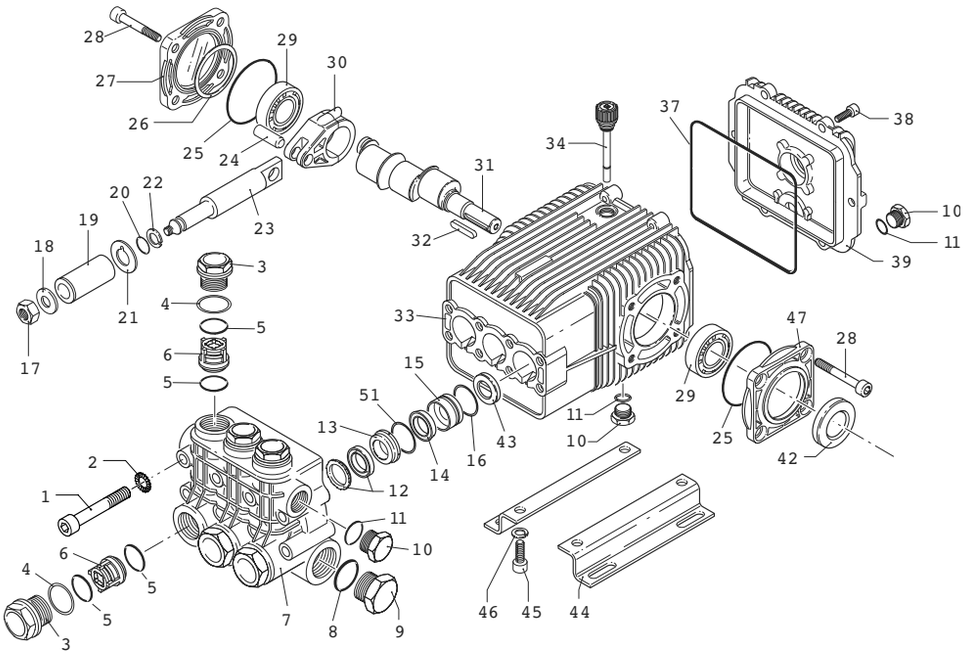


ILLUSTRATION #	DESCRIPTION
1	DC MOTOR
2	BLOWER WHEEL
3	COUPLING
4	AIR GUIDE
5	BURNER HOUSING - BLACK
6	AIR BAND
7	AIR SHUTTER - 4 SLOT AIR SHUTTER - 8 SLOT
8	CORD SET
9	PUMP (CLEANCUT)
10	VALVE STEM
11	12 VOLT COIL
12	8” COPPER TUBING
13	ESCUTCHEON PLATE SPLINE NUT
14	ESCUTCHEON PLATE
15	ELECTRODE KIT OVER 3-5/8”
16	CAD CELL DETECTOR

ILLUSTRATION #	DESCRIPTION
17	IGNITER GASKET KIT
20	IGNITER ASSY WITH BASEPLATE
21	IGNITER ONLY
22	AIR TUBE ASS'Y
23	FLANGE MOUNTING GASKET
24	MOTOR KIT WITH BLOWER WHEEL AND COUPLING
NOT SHOWN	TUNE-UP KIT FOR 30 & 35 AIR TUBE LENGTHS

ILLUSTRATION #	PART #	DESCRIPTION
9	59.110.000	FUEL PUMP
8,10,11	59.110.001	FUEL SOLENOID
15	59.110.002	ELECTRODE ASSY
21	59.110.003	IGNITER
1	59.110.004	BLOWER MOTOR
3	59.110.005	SHAFT COUPLING

CP CTB2S
HWS3524HSBAS



NUM	CODE	DESCRIPTION	QTY
1	1940260	Head Bolt, M10x80 (442 in/lbs)	8
2	650530	Lock Washer	8
3	1940140	Valve Cap (602 in/lbs)	6
4	1940150	Fiber Ring	6
5	1140450	O-Ring, Ø 20.24x2.62	12
6	1949050	Complete Valve	6
7	1940021	Blank Pump Head, Ø 20	1
7	1941210	Blank Pump Head, Ø 22	1
8	550350	O-Ring, Ø 23.81x2.62	1
9	1140300	Plug, 3/4" G	1
10	1989600	Plug, 3/8" G Brass, w/O-ring	3
11	740290	O-Ring, Ø 14x1.78	3
12	1940440	High Pressure Seal, w/ring Ø 20	3
12	1940270	High Pressure Seal, w/ring Ø 22	3
13	1940430	Front Piston Guide, Ø 20	3
13	1940200	Front Piston Guide, Ø 22	3
14	1940470	Low Pressure Seal, Ø 20	3
14	1940480	Low Pressure Seal, Ø 22	3
15	1940450	Rear Piston Guide, Ø 20	3
15	1940460	Rear Piston Guide, Ø 22 (Before May 2022)	3
15	1944630	Rear Piston Guide, Ø 22 (After May 2022)	3
16	820490	O-Ring, Ø 34.65x1.78	3
17	1940570	Nut	3
18	1940580	Washer, Copper	3
19	1420430	Piston, Ø 20	3
19	1420120	Piston, Ø 22	3
20	880840	O-Ring, Ø 9.25x1.78	3
21	960460	Washer (Slinger)	3
22	1940120	Fiber Ring	3
23	1940070	Piston Rod	3
24	1940060	Connecting Rod Pin	3
25	1941380	O-Ring, Ø 66.34x2.62	2
26	1941390	Shim, 0.05 mm	1-3
26	1941400	Shim, 0.10 mm	1-3
26	1941410	Shim, 0.19 mm	1-3
26	1941420	Shim, 0.25 mm	1-3
27	1949011	Side Cover w/Sight Glass	1
28	850370	Bolt, M8x16 (217 in/lbs)	8
29	1140410	Bearing	2
30	1940051	Connecting Rod, w/bolt and lock washer (89 in/lbs)	3
31	1940160	Solid Shaft, 24mm, NL, 1 ID Stamp	1
32	650250	Key	1
33	1941330	Pump Housing	1
34	1140370	Oil Cap (Vented Dipstick)	1
35	1260250	Oil Sight Glass	1
36	1260430	Retainer Ring	1
37	1940410	O-Ring, Ø 132x3	1
38	1200430	Bolt, M6x16 (89 in/lbs)	6
39	1949010	Complete Rear Cover	1
40	1780690	Sight Glass Diffuser	1
41	1140450	O-Ring, Ø 20.24x2.62	1

NUM	CODE	DESCRIPTION	QTY
42	820680	Shaft Oil Seal	1
43	1940560	Oil Seal	3
44	1940370	Rail, 1-1/4"	2
45	1940380	Bolt, M10x18	4
46	200231	Washer	4
47	1941240	Open Bearing Support	1
51	1941220	Slit O-Ring (Before May 2022)	3
51	2283660	Cut Plastic Ring (After May 2022)	3
60	1949200	Complete Pump Head, Ø 20	1
60	1949201	Complete Pump Head, Ø 22	1
75	1941270	Oil Sight Glass	1
76	100410	O-Ring, Ø 34.6x2.62	1
77	1941260	Sight Glass Diffuser	1
78	1941290	Retainer Ring	1
79	1381550	Lock Washer	3
80	1380510	Bolt	3

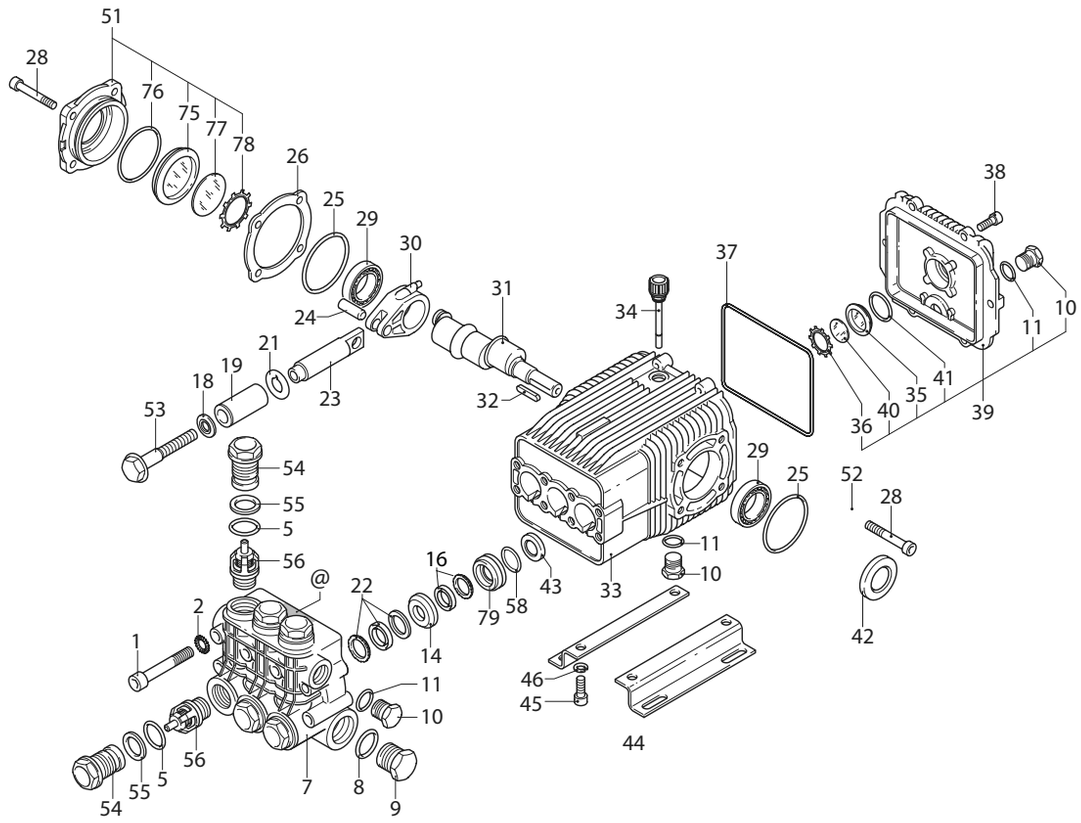
OPTIONAL PARTS/KITS TABLE

NUM	CODE	DESCRIPTION	QTY	NOTE
	2778	Viton Water Seals Kit, Ø 20	1	
	2779	Viton Water Seals Kit, Ø 22	1	
	980069	Piston Guide Extractor	1	
	2520410	Piston Guide Extractor w/handle	1	
	2748	Rail Kit 1-1/4" (2 Rails, 4 Bolts, 4 Washers)	1	Num 46,45,44
3	1941970	Tapped Valve Cap, Threaded 1/4" (602 in/lbs)	1	

KIT CROSS-REFERENCE TABLES

NUM	KIT	QTY
17	Piston (2543)	3
18	Piston (2543)	3
19	Piston (2543)	3
20	Piston (2543)	3
21	Piston (2543)	3
22	Piston (2543)	3
25	Oil Seal (2781)	1
37	Oil Seal (2781)	1
42	Oil Seal (2781)	1
43	Oil Seal (2781)	3
12	Water Seal (2783)	3
14	Water Seal (2783)	3
16	Water Seal (2783)	3
51	Water Seal (2783)	3
13	Piston Guide (2785)	3
15	Piston Guide (2785)	3
51	Piston Guide (2785)	3
5	Valve (2780)	6
6	Valve (2780)	6

CP CTB3S
HWS4018VSBAS
HWS4024HSBAS



NUM	CODE	DESCRIPTION	QTY
1	1940260	Head Bolt, M10x80 (442 in/lbs)	8
2	650530	Lock Washer	8
5	880830	O-Ring, Ø 15.54x2.62	6
7	1942530	Blank Pump Head	1
8	180101	O-Ring, Ø 17.5x2	1
9	820361	Plug, 1/2" G Brass	1
10	1989600	Plug, 3/8" G Brass, w/O-ring	3
11	740290	O-Ring, Ø 14x1.78	3
14	1942470	Front Piston Guide	3
15	1941350	Support Ring	3
16	1942690	Low Pressure Seals, w/Support Ring	3
18	1340600	Washer, Copper	3
19	1941020	Piston, Ø 18	3
21	1383190	Washer (Slinger)	3
22	1942700	High Pressure Seals, w/Support Ring	3
23	1940960	Piston Rod	3
24	1940060	Connecting Rod Pin	3
25	1941380	O-Ring, Ø 66.34x2.62	2
26	1941390	Shim, 0.05 mm	1-3
26	1941400	Shim, 0.10 mm	1-3
26	1941410	Shim, 0.19 mm	1-3
26	1941420	Shim, 0.25 mm	1-3
28	850370	Bolt, M8x16 (217 in/lbs)	8
29	1140410	Bearing	2
30	1940051	Connecting Rod, w/Bolt and Lock Washer (89 in/lbs)	3
31	1940970	Solid Shaft, 24mm, NL, 7 ID Stamp	1
32	650250	Key	1
33	1941330	Pump Housing	1
34	1140370	Oil Cap (Vented Dipstick)	1
35	1260250	Oil Sight Glass	1
36	1260430	Retainer Ring	1
37	1940410	O-Ring, Ø 132x3	1
38	1200430	Bolt, M6x16	6
39	1949010	Complete Rear Cover	1
40	1780690	Sight Glass Diffuser	1
41	1140450	O-Ring, Ø 20.24x2.62	1
42	820680	Shaft Oil Seal	1
43	1940560	Oil Seal	3
44	1940370	Rail, 1-1/4"	2
45	1940380	Bolt, M10x18	4
46	200231	Washer	4

NUM	CODE	DESCRIPTION	QTY
51	1949011	Side Cover w/Sight Glass	1
52	1941240	Open Bearing Support	1
53	1941640	Piston Bolt, M6x60 (62 in/lbs)	3
54	1940940	Valve Cap (531 in/lbs)	6
55	1941070	Fiber Ring	6
56	1949051	Complete Valve	6
58	820490	O-Ring, Ø 34.65x1.78	3
60	1949220	Complete Pump Head	1
75	1941270	Oil Sight Glass	1
76	100410	O-Ring, Ø 34.6x2.62	1
77	1941260	Sight Glass Diffuser	1
78	1941290	Retainer Ring	1
79	1942480	Rear Piston Guide, Ø 18	3

OPTIONAL PARTS/KITS TABLE

NUM	CODE	DESCRIPTION	QTY	NOTE
	2748	Rail Kit 1-1/4" (2 Rails, 4 Bolts, 4 Washers)	1	Num 44,45,46
56A	394280	O-Ring, Ø 12.42x1.78	1	
56B	1941040	Fiber Ring	1	

KIT CROSS-REFERENCE TABLES

NUM	KIT	QTY
14	Piston Guide (42120)	1
16	Water Seal (2874)	3
18	Piston (2548)	3
19	Piston (2548)	3
21	Piston (2548)	3
22	Water Seal (2874)	3
25	Oil Seal (2873)	2
37	Oil Seal (2873)	1
42	Oil Seal (2873)	1
43	Oil Seal (2873)	3
56	Valve (2871)	6
58	Water Seal (2874)	3
79	Piston Guide (42120)	1

SYMPTOM	PROBABLE CAUSE	FIX
ENGINE WILL NOT START	Various engine problems	Refer to the Engine Manual accompanying your unit.
	Unit components are frozen.	Allow to thaw. If any part of the unit becomes frozen; excessive pressure may build up in the unit. This can cause the unit to burst, resulting in possible serious injury to the operator or bystanders.
NO DISCHARGE AT NOZZLE WHEN TRIGGER MECHANISM IS SQUEEZED.	Inadequate water supply.	Ensure hose is 3/4” diameter and incoming water supply is turned on. Ensure the water is turned all the way on.
LOW OR FLUCTUATING PRESSURE.	Kink in water inlet hose.	Remove kink.
	Water inlet screen obstructed.	Remove screen, clean, or replace.
	Pump sucking air. (Prime eliminated)	Tighten all water intake connections Eliminate leaks in intake line.
	Incorrect nozzle installed on gun.	Insert high pressure nozzle.
	Obstructed or worn spray nozzle.	Remove, clean or replace.
	Damaged or obstructed valve assy. on pump.	Remove, clean or replace.
	Pump packings worn.	Replace packings.
	Unloader/bypass valve not operating correctly.	Repair or replace.
WATER IS LEAKING AT SAFETY RELIEF VALVE.	Unloader malfunction.	Detect and correct unloader problem.
	Pressure switch malfunction.	Detect and correct pressure switch problem.
	Safety relief valve is defective.	Replace safety relief valve. NEVER run unit without safety relief valve. Doing so can cause an explosion!
OIL APPEARS MILKY OR FOAMY.	Water in oil.	Change pump oil. Fill to proper level.
OIL LEAKING FROM UNIT.	Worn seals or o-rings.	Change pump oil. Fill to proper level.
DETERGENT WILL NOT SIPHON	Detergent strainer is not completely submerged in detergent solution.	Check, submerge if necessary.
	Detergent strainer obstructed.	Inspect, clean, or replace.
	Detergent hose cut, obstructed or kinked.	Inspect, clean, or replace.
	Detergent adjusting knob turned to closed position.	Open adjusting knob. Refer to “Cleaning with Detergents”.
	Nozzle assembly is plugged.	Clean or replace.
WATER FLOWS BACK INTO DETERGENT CONTAINER.	Ball & spring in Venturi reversed, missing, or corroded.	Remove, clean, or replace.
WATER FLOWS FROM THE NOZZLE WHEN THE TRIGGER GUN IS LOCKED IN THE “OFF” POSITION	Trigger gun is malfunctioning.	Repair or replace.
BLOWER MOTOR WILL NOT RUN. (BURNER WILL NOT IGNITE WITHOUT BLOWER RUNNING)	Burner/Blower motor malfunction.	Repair or replace.
	Belt broken or slipping on generator.	Adjust or replace as necessary.

SYMPTOM	PROBABLE CAUSE	FIX
BLOWER RUNS, BUT BURNER WILL NOT IGNITE.	Switch is not in “Burner” position.	Check switch position.
	Thermostat knob is OFF.	Check thermostat knob position.
	Out of fuel.	Refuel.
	Gun trigger is closed/not pressed.	Press down on gun trigger.
	Detergent valve is open, but detergent hose is not completely submerged in solution. (This causes safety devices to shut down burner.)	Close valve, or completely submerge clear vinyl hose into detergent solution.
	Pressure switch override.	Pressure should be over 375 PSI
	No voltage.	Consult Service Department.
	Fuel pump sucking air.	Tighten all fuel intake connections. Eliminate leaks in intake line.
	Poor or improper fuel supply.	Check fuel to ensure it is correct. Drain tank and filter if necessary and refill with proper fuel.
BLOWER RUNS, BUT BURNER WILL NOT IGNITE.	Dirty or clogged fuel filter or fuel water separator.	Drain or replace as necessary.
	Low fuel pump pressure.	Check fuel pump pressure, adjust or replace as necessary.
	Fuel pump inoperative.	Check pressure, replace if necessary.
	Flexible coupler broken.	Replace.
	Fuel solenoid valve failure.	Replace.
	Dirty or clogged fuel nozzle.	Replace fuel nozzle.
	Improper burner air adjustment.	Adjust.
	Faulty ignition module.	Repair or replace. Consult Customer Service.
	Ignition electrodes damaged or worn.	Adjust or replace electrodes. Consult Customer Service.
BURNER RUNS ERRATICALLY.	Water in the fuel.	Drain fuel filter/water separator. Drain fuel tank, and replace with clean fuel.
	Dirty fuel filter	Replace filter
	Dirty fuel nozzle.	Replace.
	Improper air adjustment setting.	Adjust.
	Fuel pump malfunctioning.	Replace.
BLOWER RUNS, BURNER IGNITES BUT WILL NOT HEAT.	Thermostat knob is OFF.	Check thermostat knob position.
	Detergent valve is open, but detergent hose is not completely submerged in solution. (This causes safety devices to shut down burner.)	Close valve, or completely submerge vinyl hose into detergent solution.
	Poor or improper fuel supply.	Check fuel to ensure it is correct. Drain tank and replace filter if necessary and refill with proper fuel.
	Dirty or clogged fuel filter or fuel water separator.	Drain or replace as necessary.
	Low fuel pump pressure.	Check fuel pump pressure, adjust or replace if needed.
	Dirty or clogged fuel nozzle.	Replace fuel nozzle.
BLOWER RUNS, BURNER IGNITES BUT WILL NOT HEAT.	Improper burner air adjustment setting.	Adjust the setting.
	Scale build up in heat exchanger coil.	Consult Customer Service.
BURNER DISCHARGES WHITE SMOKE.	Low on fuel.	Refuel. If white smoke persists, consult Customer Service.
	Excessive air supply.	Adjust air flow.
BURNER DISCHARGES BLACK SMOKE.	Insufficient air supply.	Adjust to ensure air flow is sufficient.

WARRANTY

BE Power Equipment makes every effort to ensure that our products meet the highest quality and durability standards.

BE Power Equipment warrants to the original retail consumer a limited warranty against defect in material and workmanship and, BE Power Equipment agrees to repair or replace any defective product up to the value of the original purchase price at BE Power Equipment discretion free of charge. This limited warranty applies to gasoline and electrically powered pressure washers sold in the United States and Canada, does not include HONDA gasoline engines.

BE Power Equipment warranties to term as outlined below all structural components specifically to the manufactures LIMITED WARRANTY DATE excluding HONDA* components. All HONDA* claims are to be evaluated by a HONDA* certified service center. HONDA service centers are listed on the HONDA website but if you require assistance contact BE Power Equipment.

All implied warranties are limited in duration to the stated warranty period. Accordingly, any such implied warranties including merchantability, fitness for a particular purpose, or otherwise, are disclaimed in their entirety after the expiration of the appropriate warranty period.

Honda GX Engines:
3 Years

Vanguard Engines:
3 Years / 5 Years Registered

Triplex Drive Pumps:
7 Years

Electrical / Control Panel:
1 Year

Burner:
3 Years

Coil:
LIFETIME

Accessories:
90 Days

Frame:
LIFETIME

REGISTER ONLINE AT:
bepowerequipment.com/product-registration



In addition, this LIMITED WARRANTY does not cover and it is not limited to failures because lack of service, negligence, directly or indirect misuse, abuse, wearable components, alterations, damage due to freezing, chemical deterioration, scale build up, rust, corrosion, or thermal expansion, normal maintenance service including adjustments, fuel system cleaning, clearing of obstructions, damage to components from fluctuations in electrical or water supply, transportation to service center, field labor charges, freight damage, and repairs preformed by an unauthorized service center.

BE Power Equipment assumes no responsibility and shall in no event be liable for injuries to persons or property or for incidental, special or consequential damages arising from the use of our products.

The limited warranty period begins at the date of purchase, product serial number and bill of sale required to file a claim.

Submit the product at your expense together with your dated proof of purchase to an authorized BE Power Equipment service center. Contact your retailer, BE Power Equipment or visit bepowerequipment.com/service-centers for the listing of authorized service centers. In cooperation with our authorized serviced center, BE Power Equipment will either repair or replace the product claimed. Claim approval is strictly and exclusively authorized by BE Power Equipment if any part or parts covered under this warranty which examination proves to be defective in workmanship or material during the warranty period will be repaired or replaced without charge by an authorized BE POWER EQUIPMENT serviced center for the balance of the original warranty period.

BE Power Equipment liability for special, incidental, or consequential damages is expressly disclaimed. In no event shall BE Power Equipment liability exceed the purchase price of the product in question. BE Power Equipment makes every effort to ensure that all illustrations and specifications are correct, however, these do not imply a warranty that the product is merchantable or fit for a particular purpose, or that the product will conform to the illustrations and specifications.

THE WARRANTY CONTAINED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. BE Power Equipment does not authorize any other party, including authorized BE Power Equipment Dealers, to make any representation or promise on behalf of BE Power Equipment, or to modify the terms, conditions, or limitations in any way. It is the buyer’s responsibility to ensure that the installation and use of BE Power Equipment products conforms to local codes. While BE Power Equipment attempts to assure that its products meet national codes, it cannot be responsible for how the customer chooses to use or install the product.

BE POWER EQUIPMENT reserves the right to change or improve the design of this product without assuming any obligation to modify any product previously manufactured.

If you are unable to resolve the warranty claim satisfactorily, contact the BE Power Equipment Warranty Department (1-800-663-8331), detailing the nature of the defect, the name of the Authorized BE Power Equipment Dealer, a copy of the purchase invoice, and applicable serial number.

BE POWER® EQUIPMENT

NEED HELP? CALL

+1 800-663-8331

BEPOWEREQUIPMENT.COM