



Operator's Manual

IMPORTANT: READ SAFETY RULES AND INSTRUCTIONS CAREFULLY

Warning: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. In the State of California, the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your local Honda General Purpose Engine dealer.

⚠ WARNING
READ AND FOLLOW ALL SAFETY RULES AND INSTRUCTIONS IN THIS MANUAL
BEFORE ATTEMPTING TO OPERATE THIS MACHINE.
FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.


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Pro Power Products would like to thank you for purchasing a *Top Gun* pressure washer. When operated and maintained in accordance with the instructions in this manual, your *Top Gun* pressure washer will provide years of dependable service.

This manual contains safety information to make you aware of the hazards and risks associated with pressure washers and how to avoid them. Because Pro Power Products does not necessarily know all the applications this pressure washer could be used for, it is important that you read and understand these instructions thoroughly before attempting to start or operate this equipment. **Save these instructions for future reference.**

This pressure washer may require final assembly before use.

Finding Model Number

This operator's manual is an important part of your new Pressure Washer. It will help you assemble, prepare and maintain the unit for best performance. Please read and understand what it says.



Before you start assembling your new equipment, please locate the model and serial number on your equipment and record the information in the space provided below. You can locate the model and serial number of the pressure washer behind the name plate on the handle and the engine information is located on the side of the engine block. This information is necessary when ordering parts and accessories.

Copy the Unit Model Number here _____

Copy the Unit Serial Number here _____

Copy the Engine Model / Type here _____

Date of Purchase _____

Customer Support

If you have difficulty assembling this product, or have any questions regarding the controls, operation or maintenance of this unit, please contact the servicing dealer in your area. If you can not locate a servicing dealer in your area, contact 1.800.547.3989 to locate a dealer near you.

Before You Begin

Read and understand all instructions before operating your pressure washer!
Do Not attempt to crank engine over until all service requirements are met.

This manual explains how to use your high pressure spray equipment safely. Be sure everyone who operates or maintains the unit has read this manual.

WARNINGS AND CAUTIONS MUST BE UNDERSTOOD!

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Safety Instructions



WARNINGS

High pressure spray can cause serious injury. This product must be used only by personnel that have been instructed in the safe use of this product. Observe all warnings when you operate and maintain your pressure washer.

Use this equipment only in well ventilated areas and free of combustible materials, fumes or dust. Failure to follow this warning may cause carbon-monoxide build up, fire or explosion and possible injury or death.

To prevent injury, wear the following protective clothing:

Gloves – Work Boots – Ear Plugs – Face Mask – Safety Goggles/Shield

INJECTION HAZARD

Fluids under high pressure from spray or leaks can penetrate the skin and cause extremely serious injury, including death or the need for amputation. You must observe the following precautions:

NEVER point the spray gun at people or animals

NEVER put your hand or fingers over the spray tip

NEVER try to stop or deflect leaks with your hand or body

NEVER purchase and use chemicals or detergents that are toxic, flammable or have a high acidic/alkaline base. Request material safety data sheets (MSDS) for cleansers you are purchasing and using

NEVER use a powder type detergent or chemical that is not manufactured for pressure washer use: e.g. dish detergent, laundry soap, etc.

General Warnings & Cautions

GET EMERGENCY MEDICAL TREATMENT AT ONCE OF ANY FLUID SEEMS TO PENETRATE YOUR SKIN – EVEN IF THE WOUND DOES NOT APPEAR TO BE SERIOUS – Tell the doctor exactly what fluid was injected and give them the MSDS for the cleansing product used

▲ WARNING: The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

▲ WARNING: Certain components in this product and related accessories contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Wash hands after handling.

▲ WARNING: Running engine gives off carbon monoxide, an odorless, colorless, poison gas. Breathing carbon monoxide can cause headache, nausea, fainting or death. Some chemicals or detergents may be harmful if inhaled or ingested, causing severe nausea, fainting, or poisoning.

- Operate pressure washer **ONLY** outdoors.
- Keep exhaust gas from entering a confined area through windows, doors, ventilation intakes, or other openings.
- **DO NOT** start or run engine indoors or in an enclosed area, even if windows and doors are open.
- Use a respirator or mask whenever there is a chance that vapors may be inhaled.
- Read all instructions with mask so you are certain the mask will provide the necessary protection against inhaling harmful vapors.

▲ WARNING: Unintentional sparking can result in fire or electric shock.

WHEN ADJUSTING OR MAKING REPAIRS TO YOUR PRESSURE WASHER

- Disconnect the spark plug wire from the spark plug and place the wire where it cannot contact spark plug.

WHEN TESTING FOR ENGINE SPARK

- Use approved spark plug tester.
- **DO NOT** check for spark with spark plug removed.

▲ WARNING: Starter and other rotating parts can entangle hands, hair, clothing, or accessories.

- **NEVER** operate pressure washer without protective housing or covers.
- **DO NOT** wear loose clothing, jewelry or anything that may be caught in the starter or other rotating parts.
- Tie up long hair and remove jewelry.

▲ WARNING: Fuel and its vapors are extremely flammable and explosive. Fire or explosion can cause severe burns or death.

WHEN ADDING OR DRAINING FUEL

- Turn pressure washer **OFF** and let it cool at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve pressure in tank.
- Fill or drain fuel tank outdoors.
- **DO NOT** overfill tank. Allow space for fuel expansion.
- If fuel spills, wait until it evaporates before starting engine.
- Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.
- **DO NOT** light a cigarette or smoke.

WHEN STARTING EQUIPMENT

- Ensure spark plug, muffler, fuel cap, and air cleaner are in place.
- **DO NOT** crank engine with spark plug removed.

WHEN OPERATING EQUIPMENT

- **DO NOT** tip engine or equipment at angle which causes fuel to spill.
- **DO NOT** spray flammable liquids.

WHEN TRANSPORTING OR REPAIRING EQUIPMENT

- Transport/repair with fuel tank **EMPTY** or with fuel shutoff valve **OFF**.
- Disconnect spark plug wire.


WHEN STORING FUEL OR EQUIPMENT WITH FUEL IN TANK

- Store away from furnaces, stoves, water heaters, clothes dryers, or other appliances that have pilot light or other ignition source because they can ignite fuel vapors.


▲ WARNING: Risk of eye injury. Spray can splash back or propel objects.





- Always wear safety goggles when using this equipment or in vicinity of where equipment is in use.
- Before starting the pressure washer, be sure you are wearing adequate safety goggles.
- **NEVER** substitute safety glasses for safety goggles.

▲ WARNING: Risk of electrocution.
 Contact with power source can cause electric shock or burn.


- NEVER spray near power source.

▲ WARNING: Contact with muffler area can result in serious burns.
 Exhaust heat/gases can ignite combustibles, structures or damage fuel tank causing a fire.


- DO NOT touch hot parts and AVOID hot exhaust gases.
 - Allow equipment to cool before touching.
 - Keep at least 5 feet (152 cm) of clearance on all sides of pressure washer including overhead.
 - It is a violation of California Public Resource Code, Section 4442, to use or operate the engine on any forest-covered, brush-covered, or grass-covered land unless the exhaust system is equipped with a spark arrester, as defined in Section 4442, maintained in effective working order. Other states or federal jurisdictions may have similar laws.
- Contact the original equipment manufacturer, retailer, or dealer to obtain a spark arrester designed for the exhaust system installed on this engine.
- Replacement parts must be the same and installed in the same position as the original parts.

▲ WARNING: Use of pressure washer can create puddles and slippery surfaces.
  Kickback from spray gun can cause you to fall.

- Operate pressure washer from a stable surface.
- The cleaning area should have adequate slopes and drainage to reduce the possibility of a fall due to slippery surfaces.
- Be extremely careful if you must use the pressure washer from a ladder, scaffolding, or any other similar location.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.

▲ WARNING: Starter cord kickback (rapid retraction) can result in bodily injury. Kickback will pull hand and arm toward engine faster than you can let go.
 Broken bones, fractures, bruises, or sprains could result.

- NEVER pull starter cord without first relieving spray gun pressure.
- When starting engine, pull cord slowly until resistance is felt and then pull rapidly to avoid kickback.
- After each starting attempt, where engine fails to run, always point spray gun in safe direction, press red button and squeeze spray gun trigger to release high pressure.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.

▲ WARNING: The high pressure stream of water that this equipment produces can cut through skin and its underlying tissues, leading to serious injury and possible amputation.


Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which can cause injury.

- DO NOT allow CHILDREN to operate pressure washer.
- NEVER repair high pressure hose. Replace it.
- NEVER repair leaking connections with sealant of any kind. Replace o-ring or seal.
- NEVER connect high pressure hose to nozzle extension.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- ALWAYS point spray gun in safe direction, press red button and squeeze spray gun trigger to release high pressure, every time you stop engine.
- NEVER aim spray gun at people, animals, or plants.
- DO NOT secure spray gun in open position.
- DO NOT leave spray gun unattended while machine is running.
- NEVER use a spray gun which does not have a trigger lock or trigger guard in place and in working order.
- Always be certain spray gun, nozzles and accessories are correctly attached.

NOTICE: High pressure spray may damage fragile items including glass.

- DO NOT point spray gun at glass when using red (max) nozzle.
- NEVER aim spray gun at plants.

NOTICE: Improper treatment of pressure washer can damage it and shorten its life.

- If you have questions about intended use, ask dealer or contact qualified service center.
- NEVER operate units with broken or missing parts, or without protective housing or covers.
- DO NOT by-pass any safety device on this machine.
- DO NOT tamper with governed speed.
- DO NOT operate pressure washer above rated pressure.
- DO NOT modify pressure washer in any way.
- Before starting pressure washer in cold weather, check all parts of the equipment to be sure ice has not formed there.
- NEVER move machine by pulling on hoses. Use handle provided on unit.
- Check fuel system for leaks or signs of deterioration, such as chafed or spongy hose, loose or missing clamps, or damaged tank or cap. Correct all defects before operating pressure washer.

Assembly

IMPORTANT! READ THE OPERATOR'S MANUAL COMPLETELY BEFORE YOU ATTEMPT TO ASSEMBLE OR REPAIR YOUR NEW *TOP GUN* PRESSURE WASHER!

Your pressure washer requires very minimal assembly and will be ready for use after it has been properly serviced with the recommended oil and fuel.

If you have any questions or problems with the assembly or operation of your new *TOP GUN* pressure washer, please call the help line @ 1.800.547.3989

Pressure Washer Set-up

- Remove pressure washer, top handle, hose & gun
- Attach top handle to frame with supplied hardware. Tighten securely.
- Add recommended amount of fuel and motor oil to engine.
- Attach supplied high pressure hose to quick connect fitting on pressure washer pump.
- Attach gun/wand to high pressure hose.
- Connect garden hose to pump.
- Purge air out of system. This may take a few minutes.
(Note: Purge air with Black Soap Nozzle in Place)
- Start engine per directions in your engine operator's manual.
- Complete and submit registration card.

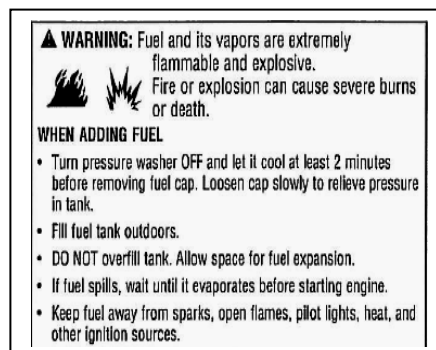
Follow all safe operation guidelines!

Carton Contents

- Main Unit**
- Top Handle**
- High Pressure Hose**
- Spray Gun w/Wand**
- Four Nozzles (1-each Red, Blue, Black, Yellow)**
- Operator's Manual (1-each, Engine & Pressure Washer)**
- Registration Card**

Engine Set-up

1. Place pressure washer on flat, level surface.
2. Clean area around oil fill cap before removing.
3. Using a funnel, fill engine crankcase with the recommended amount motor oil.
See recommendations below.
4. Replace oil fill cap and fully tighten.
5. Always check oil level *before* starting engine.
6. Clean area around fuel cap with clean shop towel before removing.
7. Add Fuel (87 Octane or higher). Do not over-fill. Leave a minimum of 1” for fuel expansion.
8. Replace fuel cap securely. Let any spilled fuel evaporate before starting engine.



Recommended Oil Capacities

Honda GC160	0.61 Quarts (19.52 Ounces)
Honda GC190	0.61 Quarts (19.52 Ounces)
Honda GX200	0.63 Quarts (20.16 Ounces)
Honda GX270	1.16 Quarts (37.12 Ounces)
Honda GX390	1.16 Quarts (37.12 Ounces)

SAE 10W-30 (API service category SJ or later) is recommended for general use. Capacities listed above represent crankcase capacity; however, actual amount Will vary based on residual oil in engine.

Accessories

There are a wide range of accessories available for your *Top Gun* pressure washer.

Please contact your *Top Gun* pressure washer dealer to assist you with the correct accessories.

Pre-Start Information

- a. **LUBRICATION:** Make sure pump crankcase is filled with Comet Pump oil. Part number 8102-1801-00 Running this pump without oil will cause damage and void any warranties. Change the pump oil after the initial 50 hours of operation. Change oil every 500 hours after the initial change. The oil level of the pump can be checked by removing the oil cap and inspecting the dipstick. The correct level should fall between the ‘min’ and ‘max’ lines on the dipstick or at the red dot on the site glass on the side of the pump.
- b. **WET END:** The Comet Pump should never be run dry. Running the pump dry will cause premature wear on the seals, packing and plungers. Running the pump dry for a prolonged period of time may cause damage that cannot be repaired. Do not start a pump with frozen water in the manifold.
- c. **STORAGE:** If there is a risk of freezing, run RV antifreeze through the pump. Empty any extra liquid inside the pump by running the pump without water for no more than 20 seconds.

Pressure Washer Pump Maintenance Schedule

OPERATION	Every 8 hours	Every 50 hours	Every 500 hours
Check oil level	X		
Check tubes-fittings		X	
Check & clean inlet filter		X	
Control pump connection to the engine		X	
Change oil		X –FIRST CHANGE	X
Check suction/delivery valves			X
Check pump bolt and nut setting			X
Check regulation valve			X

Honda Engine Maintenance Schedule

Please refer to the Honda Engines Owners Manual

High Altitude Operation

To remain exhaust emissions compliant, replacement of the main nozzle in the carburetor is recommended for operations above 5000 feet (1524 meters) in elevation. Operating this engine without replacing the main nozzle in the carburetor will cause increased fuel consumption, loss of power and increased exhaust emissions. See and authorized Honda Engine dealer for the proper high altitude main nozzle.

Pump Troubleshooting Guide

SYMPTOMS	CAUSES	REMEDIES
The pump does not start	Air suction	Control inlet device
	Closed lance	Open the lance
Irregular pressure vibration	Pump sucking air	Check that there is no water leaking as it enters the pump
	Nozzle inadequate or worn	Clean and/or replace nozzle
	Worn, dirty/blocked valves	Replace check valves
Irregular pump pressure	Pump sucking air	Check that there is no water leaking as it enters the pump
	Blocked nozzle	Clean and/or replace nozzle
	Air in pump	Pull the trigger to release air in system
	Water inlet filter blocked	Clean filter
	Inadequate water supply	Make sure tap is completely open and/or connect to a tap that has adequate flow rate
	Worn, dirty/blocked valves	Replace check valve
Drop in pressure	Worn nozzle	Replace the nozzle
	Dirty or blocked valves	Replace check valves
	Worn packing	Install new seal kit
Excessive noise	Pump sucking air	Check that there is no water leaking as it enters the pump
	Blocked suction	Inspect filter and inlet supply
	Water temperature is too hot	Max water temp must not exceed 145° F
	Worn, dirty/blocked valves	Replace check valves
	Worn bearings	Replace bearing
Water leak from head	Worn packing	Install new seal kit
Oil leak	Oil seals worn	Install new oil seals



Pressure Washer Warranty Statement

Integral components of the Pro Power Products units are subject to the prime manufacturer's warranty.

Engine Warranty

Please refer to the Honda General Purpose Engine warranty policy.

Pump Warranty

Please refer to pump manufacturer's warranty policy, provided below for Comet Pumps:

Comet Pump Limited Warranty

The Comet pump is warranted by the manufacturer to the original purchaser to be free from defects in material and workmanship under normal use and service. "Normal use and service" means not in excess of the recommended maximum speeds, pressures and temperatures or handling fluids not compatible with component materials. This warranty shall not apply to any pump which has been repaired or altered to affect the performance or reliability of the pump.

Warranty does not apply to a) freight damage, b) freezing damage, c) damaged caused by parts or accessories not obtained from or approved by Pro Power Products, d) damaged by misuse and/or misapplication, e) normal wear of moving parts or components affected by moving parts.

Period of warranty on models; LW, ZW, FW, HW, RW, SW, & TW shall be five years from the date product is shipped from manufacturer's factory. Period of warranty on AXD models shall be two years and BXD, GXD, & VRX models shall be one year from date product is shipped from manufacturer's factory. Period of warranty on HPP models shall be three years from the date product is shipped from manufacturer's factory. Liability of manufacturer under the foregoing warranty is limited to repair or replacement at the option of manufacturer of that product, which according to the manufacturer's investigation was deemed defective at the time of shipment. This warranty is in lieu of all other warranties, expressed or implied, including any warranty of merchantability and/or any and all other obligations or liabilities on the part of the manufacturer.

Frame and Accessories

Pro Power Products pressure washer accessories are warranted by the manufacturer to the original purchaser to be free from defects in material and workmanship under normal use and service. Normal use and service means not in excess of the recommended maximum speeds, pressures and temperatures or handling fluids not compatible with component materials. This warranty shall not apply to any accessory which has been repaired or altered.

Warranty does not apply to a) freight damage, b) freezing damage, c) damaged caused by parts or accessories not obtained from or approved by Pro Power Products, d) damaged by misuse and/or misapplication, e) normal wear of moving parts or components affected by moving parts.

Period of warranty shall be 90 days from date product is shipped from manufacturer's facility. Liability of manufacturer under the foregoing warranty is limited to repair or replacement at the option of manufacturer of that product, which according to the manufacturer's investigation was deemed defective at the time of shipment. This warranty is in lieu of all other warranties, expressed or implied, including any warranty of merchantability and/or any and all other obligations or liabilities on the part of the manufacturer.

