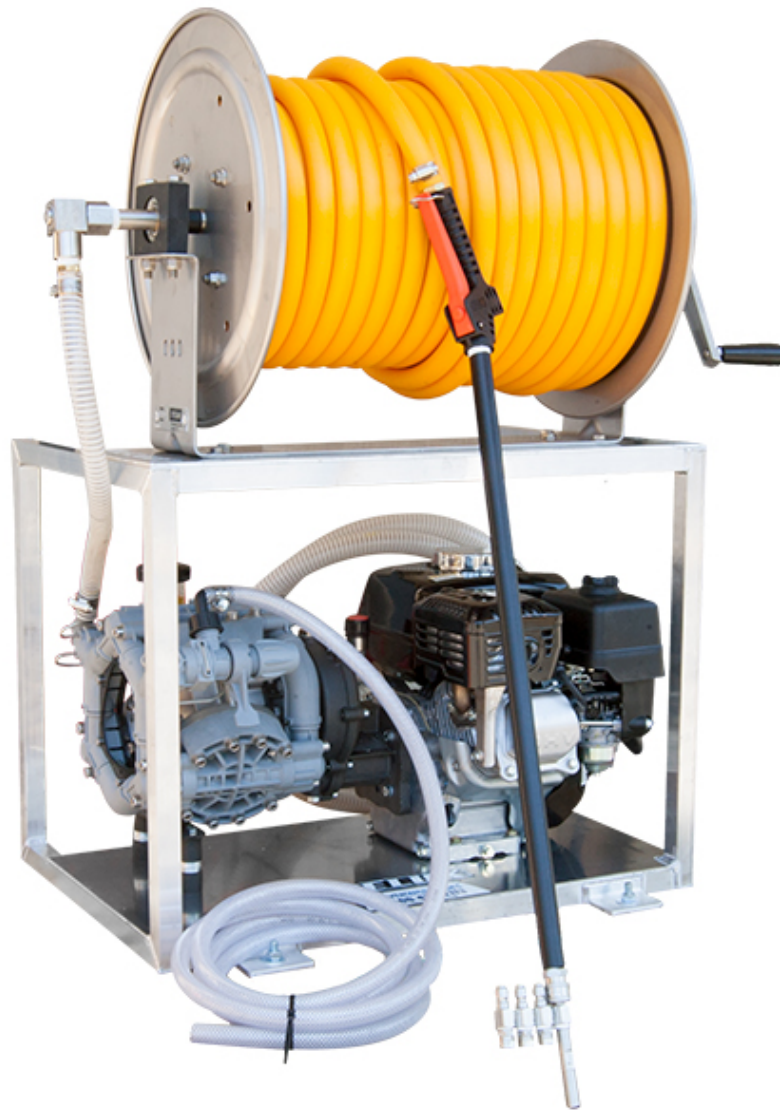


DELUX[®]



STALLION SOFT WASH SYSTEM
Operations Manual

INTRODUCTION

Congratulations on your choice of a Delux® Stallion Soft Wash System. We are certain you will be pleased with your purchase. This manual was created to help you get the best results from your new Delux® Stallion Soft Wash System. Please read it carefully and thoroughly to ensure that you learn to use your soft wash system safely.

Keep this manual nearby so you can refer to it as needed. If you should decide to sell your Delux® Stallion Soft Wash System, please be sure to include this manual.

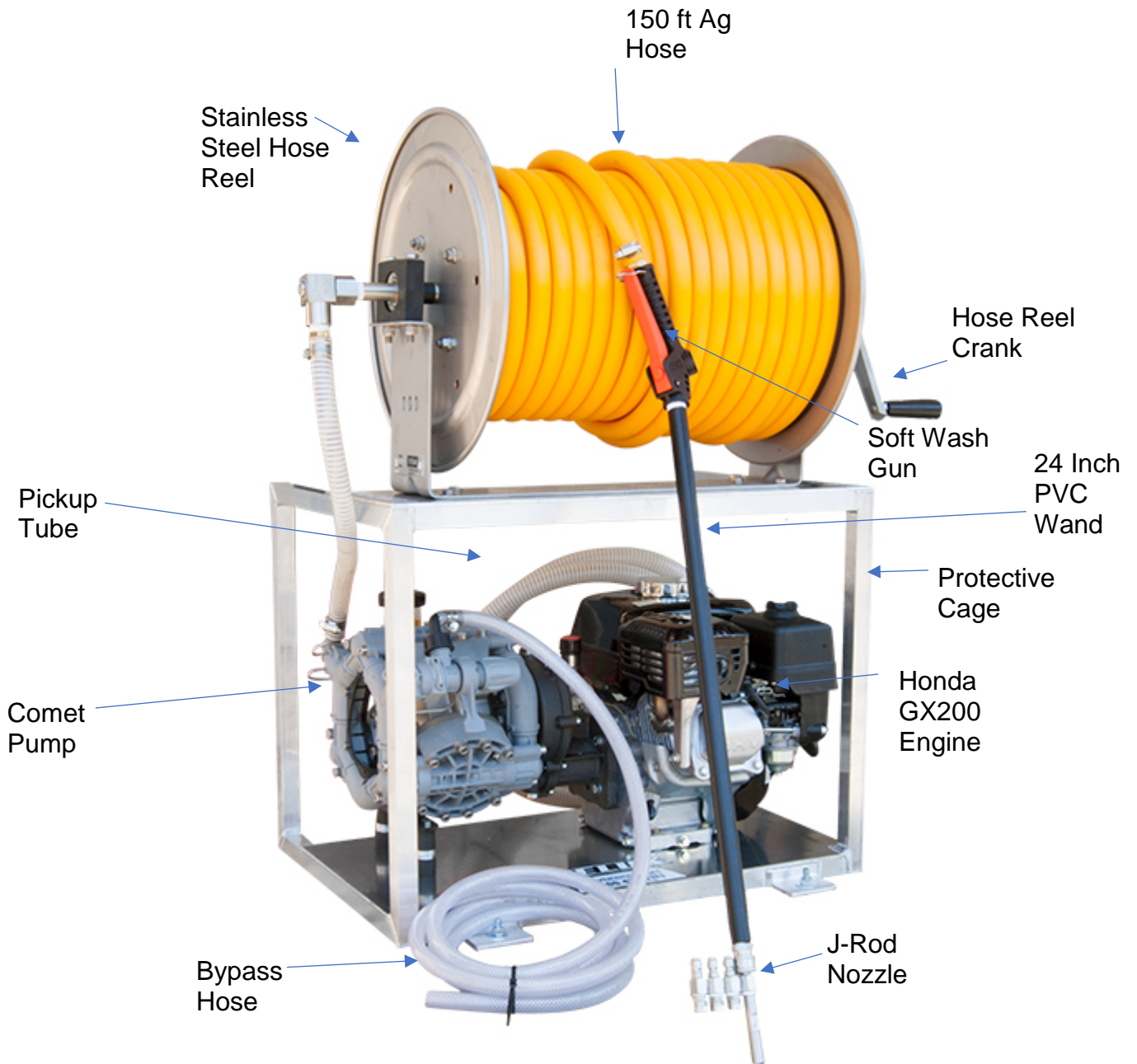
We strongly encourage you to read the warranty policy for the Delux® Stallion Soft Wash System so you understand its coverage and your responsibilities of ownership. The information and specifications herein were correct at the time of publication. Delux® Cleaning Supply Inc. reserves the right to alter any design or specifications at any time without notice. If you have questions about your Delux® Stallion Soft Wash System that are not covered in this manual, please call us toll free at 1-888-42-DELUX

Thank you for your purchase.

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WHAT'S IN THE BOX?



The Delux® Stallion Gas Powered Soft Wash Machine is built to apply a strong concentration of cleaners at low pressure. The unit is typically used for those performing soft wash applications on surfaces such as stucco, asphalt shingle roofs, vinyl siding, wood fences and decks. All Delux® Stallion Gas Powered Soft Wash Systems are assembled and tested in the USA.

COMET P36/10 POLY TRIPLE DIAPHRAGM PUMP WITH GEARBOX

A Comet P36/10 pump is the heart of the Delux® Stallion Gas Powered Soft Wash System. The Comet pump is a corrosion resistant three diaphragm pump with plastic heads and plastic manifolds.

- Max. Flow: 9.6 GPM (36.3 LPM)
- Max. Pressure: 145 PSI (10 BAR)
- Max. Fluid Temperature: 140 degrees Fahrenheit (60 degrees Celsius)
- Shaft: 30 mm solid keyed shaft Polypropylene materials
- Three semi-hydraulic sodium hypochlorite resistant diaphragms
- 316 stainless steel check valves
- Self-priming
- Can be run dry

See the Comet P36/10 manual for more information

HONDA GX 200 ENGINE

The Delux® Stallion Gas Powered Soft Wash System is driven by a Honda GX 200 engine. This extremely quiet engine features a forged steel ball bearing supported crankshaft and rigid crankcase. The low vibration precision engineered camshaft offers precise valve timing and optimal valve overlap for better fuel efficiency. Dual oil drains, dual element air filter, and easily accessible spark plug make maintenance hassle free. It is low emission CARB compliant and EPA certified.

- Engine Type Air-cooled 4-stroke OHV
- Bore x Stroke 68 X 54 mm
- Displacement 196 cm³
- Net Power Output* 5.5 HP (4.1 kW) @ 3,600 rpm
- Net Torque 9.1 lb-ft (12.4 Nm) @ 2,500 rpm
- Oil Capacity 0.63 US qt (0.6l)
- Fuel Tank Capacity 3.3 U.S. qts (3.1 liters)
- Fuel Unleaded 86 octane or higher

See the Honda GX 200 Engine Manual for more information

HIGH STRENGTH ALUMINUM FRAME

The Delux® Stallion Gas Powered Soft Wash System is supported and protected by a high strength rust resistant aluminum frame that comes ready for mounting.

STAINLESS STEEL HOSE REEL

A stainless steel hose reel rests on top of the Delux® Stallion Gas Powered Soft Wash System. The durable “u” shaped 304 stainless steel frame (45" Tall x 17" Wide) and PVC drum make it a perfect choice for sodium hypochlorite application. An adjustable tension brake keeps the hose reel from slipping while in use and locked during transport.

PVC HOSE

The Delux® Stallion Gas Powered Soft Wash System comes with a 150-foot 5/8 inch industrial grade PVC hose. This hose is flexible enough to resist cracking due to weather abrasion, and also durable enough to resist kinking.

CHEMICAL RESISTANT TRIGGER GUN

A chemical resistant trigger gun is attached to the end of the hose. The included trigger lock makes working for long periods much more comfortable. A 24-inch PVC wand keeps the spray away from your face for safer and more comfortable working.

J-ROD FOUR NOZZLE HOLDER

A J-Rod quick connect 4 nozzle holder holds 4 of the most common nozzles used for soft washing. Just snap it into the quick coupler socket that is included on the end of the wand. Quickly switch between nozzles to cover more area in less time. Three steel nozzles are included 20° size 60 40° size 60 0° size 60

ASSASSIN 2 PVDF NOZZLE

A #5 Assassin 2™ PVDF Nozzle for shooting chemical mixes up to 2 stories is also included. This way you can keep working from the ground. No need to keep moving a ladder. Work faster and safer.

GETTING STARTED

1. CHECK OIL IN THE COMET P36/10 PUMP

The oil level must correspond to the reference slot found on the oil sight glass when the pump is not on. Add SAE 20W/40 non-detergent oil until the oil reaches the proper level. Change oil every 300 hours of use.

2. CHECK OIL IN THE GEARBOX

3. CHECK THE ENGINE

EXTERIOR

Before beginning your pre-operation checks, be sure the engine is level and the engine switch is in the OFF position.

Look around and underneath the engine for signs of oil or gasoline leaks.

Remove any excessive dirt or debris, especially around the muffler and recoil starter.

Look for signs of damage. Check that all shields and covers are in place, and all nuts, bolts, and screws are tightened.

FUEL

Check the fuel level. Starting with a full tank will help to eliminate or reduce operating interruptions for refueling. This engine is certified to operate on unleaded gasoline with a pump octane rating of 86 or higher (a research octane rating of 91 or higher). Refuel in a well-ventilated area with the engine stopped. If the engine has been running, allow it to cool first. Never refuel the engine inside a building where gasoline fumes may reach flames or sparks. You may use unleaded gasoline containing no more than 10% ethanol (E10) or 5% methanol by volume. In addition, methanol must contain cosolvents and corrosion inhibitors. Use of fuels with content of ethanol or methanol greater than shown above may cause starting and/or performance problems. It may also damage metal, rubber, and plastic parts of the fuel system. Engine damage or performance problems that result from using a fuel with percentages of ethanol or methanol greater than shown above are not covered under the Warranty.

Refer to the Honda user manual for details on refueling

OIL

Check the oil. Running the engine with a low oil level can cause engine damage. Use 4-stroke motor oil that meets or exceeds the requirements for API service category SJ or later (or equivalent). Always check the API service label on the oil container to be sure it includes the letters SJ or later (or equivalent).

SAE 10W-30 is recommended for general use. Other viscosities shown in the chart may be used when the average temperature in your area is within the indicated range.

Refer to the Honda user manual for details on adding oil

AIR FILTER

Check the air filter element. A dirty air filter element will restrict air flow to the carburetor, reducing engine performance.

Refer to the Honda user manual for details on maintaining and changing your air filter.

OPERATION

1. PLACE THE PICKUP TUBE AND BYPASS LINE IN THE SAME TANK OF A CHEMICAL SOLUTION
2. REMOVE HOSE FROM HOSE REEL
3. START MOTOR
4. THEN PULL TRIGGER TO APPLY CHEMICAL.

TROUBLESHOOTING

COMET P36/10 POLY TRIPLE DIAPHRAGM PUMP WITH GEARBOX

The oil level is not always constant when the diaphragm pump is working: the pump level is lowered when the pump starts working and is without liquid, when the liquid arrives, it rises to normal level. During operation attention must be made to a decrease in the oil level: a) if this happens during the first hours of working it is normal. Add SAE 20W/40 type oil to proper level b) if this happens after many hours of work and continues after 1 or 2 top ups, it is a symptom of diaphragm swelling caused by choking during inlet (dirty filter, deformed inlet tube or chemical attack to diaphragm). In this case, check the filter and the inlet system and/or refer to a specialized technician to check the diaphragm.

State of Oil - Broken Diaphragm If the oil becomes white (water present in oil) it may be a symptom of breakage of one or more diaphragms. Stop and check the conditions of the diaphragms and if necessary, replace the diaphragms.

Inlet System - The inlet system must be kept efficient. There must not be entrance of air caused by tube wear, loosening of fittings or wearing of joints. Regarding this, check that there are no small drops when the pump is still. If there are, this could mean air is entering the pump when in motion. The filter must be maintained and kept clean with frequent inspections.

Oil Replacement - It is advised to replace the oil after the first 300 hours of work and then every time the diaphragm is changed. Note: Oil must be collected in proper containers and disposed of according to the local requirements.

Diaphragm Replacement - At the end of every season it is advised to check the diaphragms replace if worn or distorted. If particularly strong chemical products are used, the diaphragms should be replaced at the beginning of each spray season.

Inlet and Delivery Valves- Periodically check (every 300 hours under normal working conditions), the state of the inlet and delivery valves. Maintenance must be performed more frequently if sandy liquid or abrasive liquids are used. It must also be done if drops or changes of pressure, irregular functioning and strange noises are noticed.