Traymount
Operator's & Parts Manual

GOLDACRES
Australia's World Class Sprayers

GA8700742 REV5 DEC 19

Contents

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Introduction

Congratulations on your purchase of a Goldacres sprayer. For more than a quarter of a century Goldacres has supplied Australian farmers with quality, innovative and technologically advanced spraying solutions - equipment designed in Australia for Australian conditions.

Goldacres not only produce Australia's finest range of spraying equipment - we also keenly value the unique relationship we enjoy with owners of our equipment. We are pleased to welcome you as a Goldacres owner and look forward to making your spray applications as efficient as possible.

Please use this comprehensive resource to gain a full understanding of your equipment, and don't hesitate to contact your Goldacres Dealer or Goldacres for further information.

Roger Richards
General Manager

Safety

General

The following pages outline important safety information. At Goldacres safety is a high priority. These safety and warning instructions MUST be followed to ensure the safe operation of your Goldacres equipment.

Explanation of key terms used in this operator's manual are:

DANGER - You will be killed or seriously hurt if you don't follow instructions

WARNING - You can be seriously hurt if you don't follow instructions

CAUTION - You can be hurt if you don't follow instructions

NOTE - Is used to notify people of installation, operation or maintenance information that is important but not hazard related.

The Operator

All operators of this equipment should be adequately trained in the safe operation of this equipment. It is important that all operator's have read and fully understand the operators manual prior to using this equipment.
All new operators should be trained in an area without bystanders or obstructions and become familiar with the sprayer prior to operation.

Safety Precautions

WARNINGS

- Keep clear of overhead obstructions.
- CRUSH HAZARD - Keep hands clear of moving parts.
- Any unauthorised modifications to this equipment may affect its function and create a serious safety risk.
- Never attempt to clean parts or nozzles, by blowing with mouth.
- Never attempt to siphon chemicals, or substances, by sucking.
- It is imperative that the vehicle manufacturer's specifications be checked and all instructions for use when transporting be adhered to at all times.
- Care should be taken when transferring liquid into the tank to ensure that the gross weight of the equipment does not exceed the carrying, braking and/or towing capacity of the vehicle to which the equipment is attached as specified by the vehicle manufacturer.

NOTE: 1 LITRE WATER = 1KG.

- Water weighs 1kg per litre, however conversion factors must be used when spraying liquids that are heavier or lighter than water. Example: liquid urea has a density of 1.28 kg/L and will therefore be significantly heavier than water if the tank is filled completely.
- Suitable care should be taken when driving with the equipment attached to the vehicle. Consideration should be given to both the carrying capacity of the vehicle and the gradient of the terrain when determining the speed at which the vehicle can be driven safely.
- Ensure that the maximum speed of the vehicle, when loaded, is within the vehicle manufacturers limitations.
- Ensure equipment is securely fastened, or attached to the vehicle at all times.
- Regularly check the pump mounting bolts. The pump will always vibrate to some degree when operating, and this may work the bolts loose.

CAUTIONS

- A supply of fresh water should be with the equipment at all times.
- Standard polyethylene tanks are not designed for use with diesel fuel or any flammable liquid.
- Do not use this machine in ambient temperatures exceeding 40 degrees Celsius.
- Ensure that all bolts are tightened and secured before operation.
- Area surrounding equipment may become slippery when wet.

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NOTES

- Always read and understand the operator's manual prior to operation of this equipment.
- It is the responsibility of the operator to ensure that there are no decals missing from the equipment and that any damaged or missing decals are replaced prior to operation.
- Goldacres equipment ordered or operated, outside the guideline limitations may not be warranted by Goldacres for successful performance. Operators working outside these limitations do so at their own risk, unless specific advice has been sought from and provided by Goldacres in writing.
- Always read and follow the chemical manufacturer's guidelines for safe application as per the chemical label. Particular attention should be given to the recommended target application rate of the chemical being applied as per the chemical label.
- Inspect the equipment thoroughly for damage and wear before operation.
- Flush chemicals from equipment immediately after use.
- Certain chemicals may be unsuitable for use with Goldacres standard plumbing designs. Consult your Goldacres dealer if in doubt.
- Do not operate the equipment while under the influence of any drugs, alcohol or if excessively tired.
- Make sure that the equipment complies with all relevant road regulations when transporting.
- When draining fluids from the equipment use appropriate, leak proof containers. Do not use food or beverage containers as someone may consume the contents by mistake.
- After reading the operator's manual if there is any thing that you do not understand please contact your Goldacres dealer.

Safe Chemical Use

The safe use of Ag chemicals with this equipment is the responsibility of the owner/operators. All operators should be trained in the safe use of Ag chemicals. Goldacres suggest that a relevant course is completed by owners/operators prior to operation of this equipment as a spray unit.

Personal Protective Equipment (PPE)

Always wear close fitting clothing and safety equipment designed for the job.

Chemicals can be harmful to humans, appropriate PPE should be used when handling chemicals.

Always refer to the chemical manufacturers label for guidelines on the appropriate PPE to use with the chemicals you are using.

Goldacres also suggest that you read and understand the following Australian standards:

- Australian Standard for Chemical protective clothing AS3765
- Australian Standard for Respiratory protection devices AS1715

Airborne particles

Always stand well clear of equipment during operation. Any spray drift is dangerous and may be hazardous to humans and animals.

Fluids under pressure

Do not disconnect any hoses, nozzles or filters while equipment is operating. Disconnecting these components while under pressure may result in uncontrolled fluid discharge which may be hazardous.

When the repair is complete ensure that all fittings and lines are secured before re-applying pressure.

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Cuts, Stabs & Punctures

When Servicing machine, be mindful of sharp edges on parts such as trimmed cable ties, hose clamps, cut reinforced hose and the edges of plates and brackets as they could cause cut, stab or puncture injuries.

Mount Vehicle Safety

- Consult your vehicle operator's manual before mounting this sprayer.
- Do not fit the spray tank to the front of your vehicle.
- Fully read the Owner's Manual before mounting this spray unit to vehicle.
- Before mounting to a vehicle ensure that fitment complies with weight restrictions as specified by vehicle manufacturer.
- Overloading the vehicle, or operating it improperly, may cause an accident, injury or death.
- Do not load the vehicle in excess of the load limit capacity of the vehicle as recommended by the manufacturer.
- Filling the spray tank when fitted to the vehicle will result in changes to the handling and stability of the vehicle.
- Vehicle tyres should be inflated to the manufacturers recommended operating pressures.
- Do not attach other equipment to the vehicle spray tank. This may exceed the vehicle spray tank's designed capacity and function.
- Reduce speed when operating the vehicle spray tank when tank is loaded.
- Allow for greater braking distances when the vehicle spray tank is loaded.
- To reduce possible vehicle instability it is recommended the vehicle be stationary if spot spraying on a slope or hill.
- Ensure the vehicle or vehicle complies with all relevant regulations for use on farm or public roads.
- The weight of the unit significantly increases when filled to the maximum recommended level. Remember: 1 litre of water = 1 kilogram.
- The tank should be empty during attachment or removal of the tank from the vehicle.
- Do not allow any other person to ride on the vehicle at the same time this vehicle spray tank is fitted.
- Do not allow use of this sprayer by minors.
- Do not use the sprayer in the vicinity of other people or animals.

DANGER: Failure to adhere to these recommendations or follow these rules may result in injury or death to the operator and/or bystanders.

Anyone involved in the use or operation of the vehicle and vehicle spray equipment should be aware of, and trained in appropriate safety recommendations including those contained in this manual.

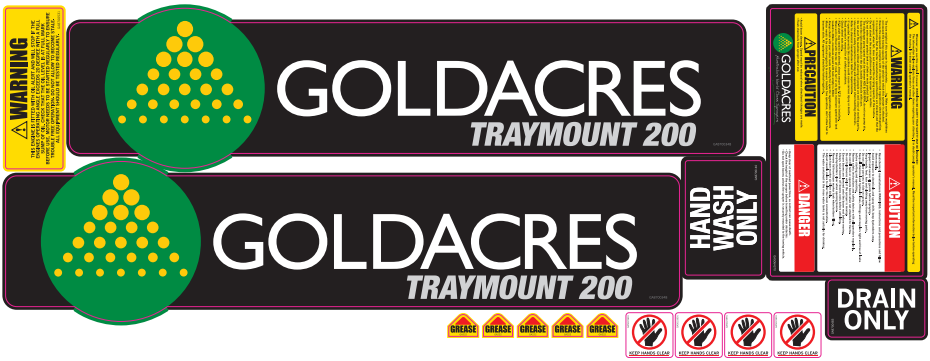
Safety Decals

Understanding safety decals and their purpose assists in the safe operation of your sprayer. Safety decals are there for your protection and it is the responsibility of the owner operator to replace damaged and/or missing safety decals.

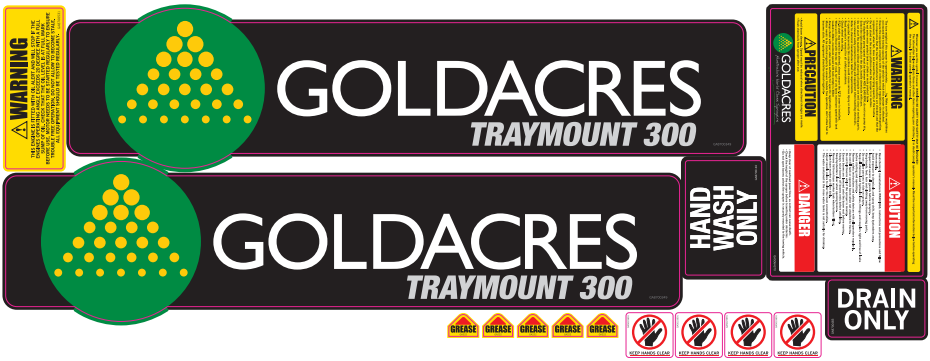
Regularly review safety decals with operators. It is very important to ensure that all new machine components and replacement parts include current hazard identification decals.

Replacement safety decals can be ordered from all Goldacres dealers.

Traymount 200 Decal Kit GA8700507



Traymount 300 Decal Kit GA8700508



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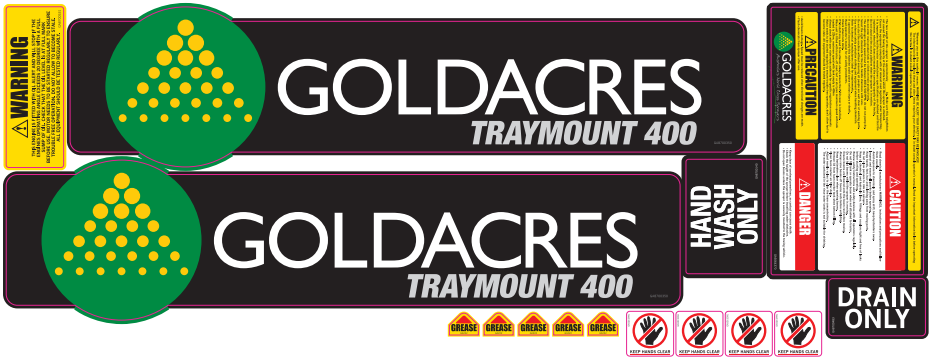
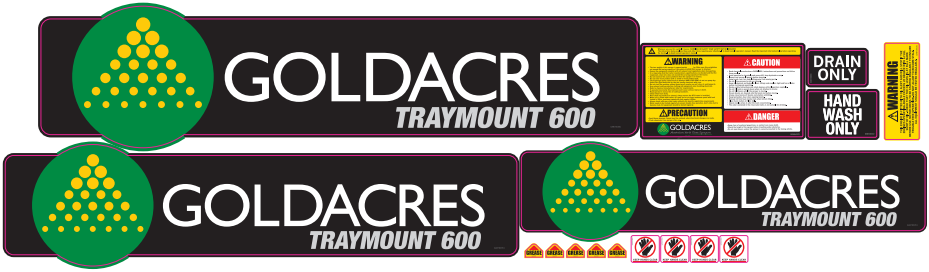
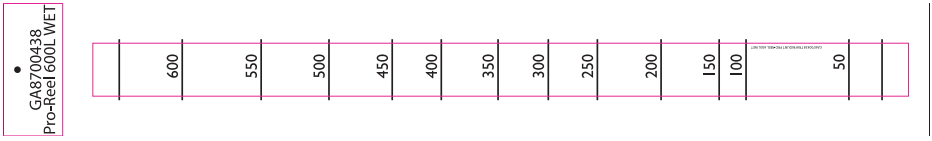
Traymount 400 Decal Kit GA8700509



Traymount 600 Decal Kit GA8700510



GA8700438 600L Traymount Pro-Reel site tube GA8700438



Warranty

How to make a warranty claim

In the event of a fault or breakdown with your product, that you believe to be a warranty issue, the following steps must be taken.

1. Ensure that you have read the Operator's Manual and gone through the troubleshooting procedure.
2. If you continue to experience problems then please contact your local authorised Goldacres dealer. They will advise the method of warranty service for your product.

Warranty Duration

Goldacres' standard warranty is 12 months from date of purchase.

Warranty Inclusions

- Chassis
- Steel Boom Components
- Tanks
- Electrical wire and connectors, (non-contaminated)
- Consoles and controllers
- Electrical motors and drivers
- Wheels, tyres and rims
- Pins and bushes*
- Pump housing
- Hydraulics
- Axle frame only
- Shockers and dampeners
- Wire cables
- Springs
- Drive chains*
- Wheel bearings*

*Failure caused by lack of lubrication not covered.

Warranty Exclusions

- Pump diaphragms
- Pump Seals
- Pump check valves
- Pump O-rings
- Filters and filter screens
- Filter O-rings
- Chemical Hoses
- Solenoid Diaphragms
- Hand Gun, lance or wand seals and O-rings
- Consumables, chemicals, fuels
- Items controlled by or fitted to Non Genuine parts or devices
- Contamination or corrosion of components
- Hose reel seal sand O-rings
- Pressurised sprayer seals and O-rings
- Belts, couplings
- Adjustment of components
- Brake pads and components
- Globes / Bulbs
- Fuses
- Oil / fluids / filters (Unless contaminated or lost due to a warrantable failure)
- Boom break away tips
- Boom break away hinges
- Boom protectors
- Nozzles
- Nozzle Bodies
- Nozzle Body Brackets
- Nozzle Diaphragms and seals
- Wiper Blades
- Skid plates
- Wear plates
- Damaged items
- Worn or wearing items

Goldacres Warranty Statement

This warranty is the only warranty applicable to Goldacres new products (Products) and to the maximum extent as permitted by law, is expressly in lieu of any other conditions or warranties expressed or implied in relation to the Product.

In Australia, Goldacres Products come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This Warranty gives you additional protection for your Goldacres product and identifies a preferred approach to resolving warranty claims which will be the quickest and simplest for all parties subject to the exclusions, terms and conditions below.

Goldacres warrants its authorized Dealers who in turn warrants the original purchaser (Owner) that each new Goldacres Product will be free from proven defect in materials and workmanship for twelve (12) months from the date of delivery to the first owner according to conditions outlined herein.

Subject only to legislative obligations to the contrary, Goldacres shall not be liable for incidental or consequential damage resulting from ownership or use of a Product.

Goldacres does not authorize any person to create for it any other obligation or liability in connection with these products.

The repair of the defective Product qualifying under this warranty will be performed without charge for labour and parts by any authorized Goldacres service outlet within a reasonable time following the delivery of the Product, at the cost of the owner, to the service outlet / place of business advised

Goldacres in its absolute discretion may choose to pay the cost of replacement or repair of the product.

If the Product will be repaired or replaced, using parts as supplied by Goldacres, repair may include, at Goldacres discretion, the replacement of parts with functionally equivalent remanufactured, reconditioned or new parts.

Goldacres may request failed parts to be returned to the factory.

Conditions of Warranty Coverage

The warranty covers only conditions resulting directly from defects in workmanship or materials used under normal use and service conditions.

The Warranty is not transferable.

The owner is responsible for the performance of regular maintenance and service as specified in the owner's / operators manual applicable to the product. Failure to follow regular maintenance as advised may invalidate the warranty.

The owner must provide the Goldacres Dealer with prompt written notice of the defect (within 14 days of it occurring) and allow reasonable time for repair and/or replacement.

Goldacres warranty cover excludes:

- Claims resulting from misuse, use of incompatible chemical or fluids, exceeding the Product's specifications including overloading, impact damage, negligence, accidental damage or failure to perform recommended service or service intervals or use the Product with good care.
- Failure due to faulty or inadequate electrical sources of power. 12 volt power sources must be checked for suitability to operate the product.
- The time taken to remove and re-install warranted parts, products or components fitted to other than Goldacres brand products will not be covered by Goldacres Warranty. Only labour and parts directly attributable to the repair of the Goldacres unit is covered.
- The cleaning of parts or products before or after the warranty repair. Cleaning time is considered a customer expense.
- Any Goldacres Product which has been repaired by other than an authorized Goldacres dealer in a way which, in the sole and absolute judgment of Goldacres, adversely affects its performance or reliability.
- The replacement of maintenance items such as diaphragms, batteries, belts, etc.
- Loss of time, inconvenience, loss of use of the product, liability to third parties or any other consequential damages including damage to crops, profits or revenue, other commercial losses inconvenience or cost of rental or replacement equipment.
- Incidental costs associated with a warranty repair including any travel costs, out of hours labour charges, transportation costs, freight costs or any communications costs.
- Goldacres products purchased at auction or in used condition.

Procedure for claiming:

Claims must be made through a Goldacres Dealer. To make a claim under this Warranty, you should

- Contact your local Goldacres Dealer,
- Phone 1300 301 853 to locate a Goldacres Dealer.

Owners returning products to a Goldacres Dealer will require the original Dealer tax invoice, a copy of the tax invoice or delivery docket and any instruction manuals, information booklets or guides that were shipped with the Product.

General Information & Specifications

The tray mount sprayer is ideal for small acreage and hard to get areas.

Traymount sprayers feature an engine driven diaphragm pump with a maximum pressure output of 560 Psi.

The 30 metre hose reel is fitted with a quality pistol grip spray gun with adjustable nozzle.

Know Your Sprayer

Getting to know your sprayer prior to operation is crucial in the safe and efficient operation of this equipment. Take the time to familiarise yourself with all the standard and optional components fitted to your sprayer, not only do you need to know where key components are located on your machine you need to become competent in the correct operation of these components prior to spraying operation.

It is also important to become familiar with common spraying methods and common spraying terms prior to using this sprayer for the first time.

Chassis

The chassis is an all steel construction. The chassis is shot blasted, primed and then protected by the Goldacres paint process for excellent chemical resistance and durability.

Tank

All tanks are constructed from UV resistant polyethylene. Polyethylene tanks have a very high chemical resistance.

Due to the rotomoulding process, there can be a variance in the overall dimensions of the tank which in turn results in variations to the tank capacity. For this reason, calibration markings should be used as a guide only.

Filtration

Filtration is a critical part of the sprayer's performance.

A suction filter between the tank and the pump handles filtration. It is important that the filter is cleaned out regularly.

Pump

The pump is critical to any sprayer performance. Correct operation and maintenance of the pump will ensure the sprayer is able to perform to its capabilities.

Always flush pump with clean water after every use. Prolonged chemical contact can severely damage valves, diaphragms and seals.

Do not leave water in pump if sprayer is to be left in a cold environment. The water may freeze and cause damage to pump. Empty pump of all water and cover the pump to ensure this situation does not arise. If this has not been done, and there is a possibility there may be frozen water in the pump, wait until any ice has thawed before using the pump.

Machine limitations

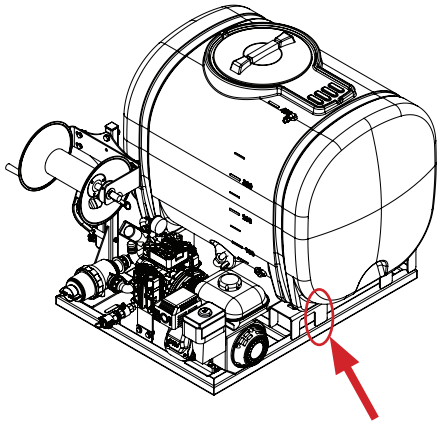
All Goldacres equipment is subject to operating limitations, it is the operator's responsibility to ensure that this equipment is being operated within these limitations and appropriately to the operating conditions at hand.

Paint Colours

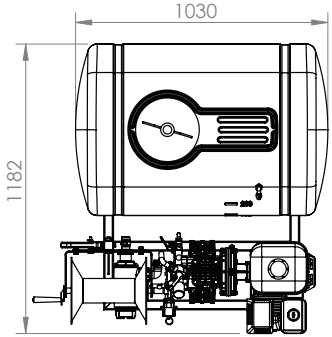
Steel work: G13 Dark Green

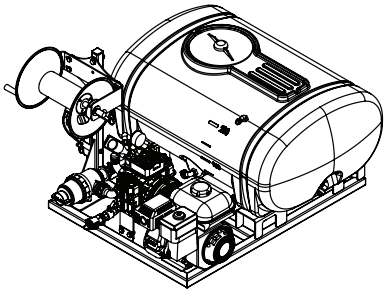
Identification

When ordering parts or requesting service information for your sprayer, it is important to quote the serial number and the purchase date of your machine. This will assist with receiving the most accurate information. The location of the stamped ID plate is shown below.

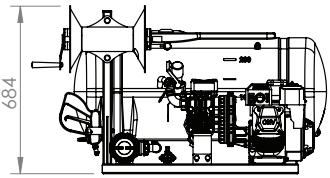


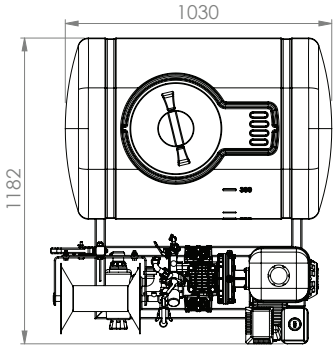
Dimensions

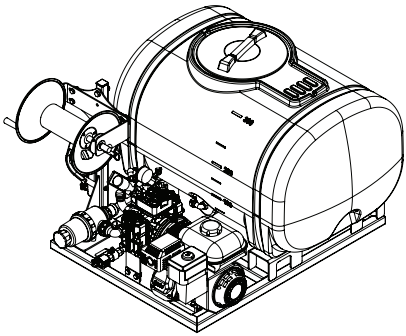




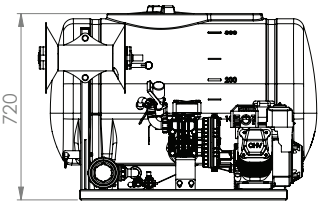
Traymount 200L







Traymount 300L



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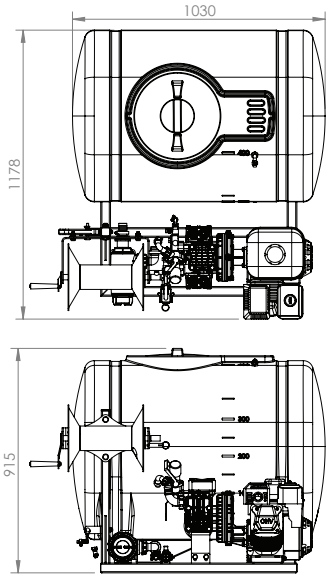
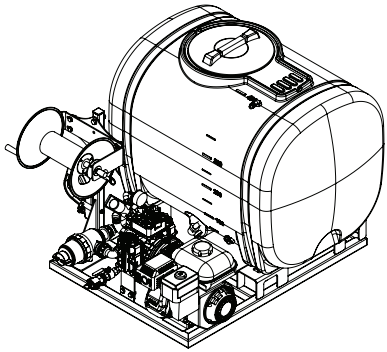
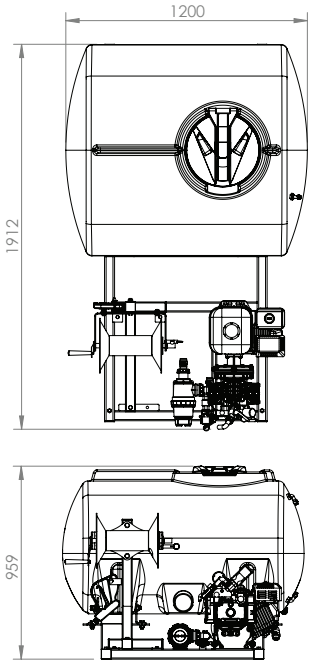
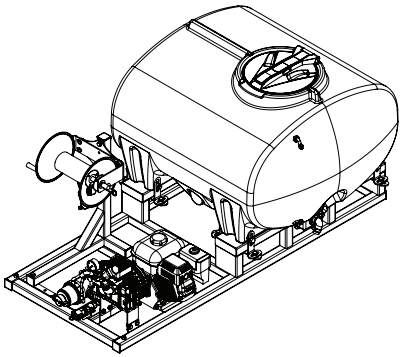




Traymount 400L





Traymount 600L

NOTE: Dimensions are approximate only. They may be subject to change without notice.

Model	Net Weight
GA4914015 - 200L	- kg
GA4914020 - 300L	- kg
GA4914025 - 400L	124 kg
GA4914030 - 600L	157 kg

Key Features

Number	Description
1	Main Tank
2	Pressure control unit
3	Bypass unloader lever
4	Main Tank Lid
5	30m Hose Reel

Number	Description
6	Main Tank Drain
7	Suction Filter
8	Pump & Motor
9	Wet Sight Tube

Sprayer Transport

Make sure the vehicle has sufficient lifting and braking capacity to carry the sprayer.

All relevant transport regulations must be adhered to when transporting the sprayer i.e. speed regulations, oversize signs, flashing light, etc. It is the operator's responsibility to know the relevant regulations. Make sure the sprayer is securely attached to the vehicle as shown below.

CAUTION: Take care when reversing the vehicle with the sprayer attached. If driver visibility is restricted use another adult, with a clear view to the rear of the sprayer, to give reversing directions.

CAUTION: It is the operator's responsibility to know the tare weight and gross weight of the sprayer.

Contact Goldacres dealer to ascertain a more precise tare weight for your sprayer if unsure. If any alterations are made to the sprayer, it is the operator's responsibility to know the tare weight and the gross weight of the modified sprayer at all times.

Vehicle Mounting

The Traymount sprayers have been designed for carrying by a suitably rated vehicle.

WARNING: Read and understand the vehicle mounting safety section at the beginning of this manual.

1. Remove from pallet (if attached) and position on a solid, flat surface.
2. Use a forklift, or other suitably rated lifting device, to lift the sprayer to a height suitable for the vehicle. Use support legs to fix the unit at this height.
3. Mount the Tray Mount to your vehicle.

Use the reverse of the procedure above to remove the Tray Mount from the vehicle.

First Time Start Up

CAUTION: Before using this equipment with a chemical mix, read and understand, the instructions on the chemical label. A first time start up procedure should be carried out as a water test only without any chemical present in the tank.

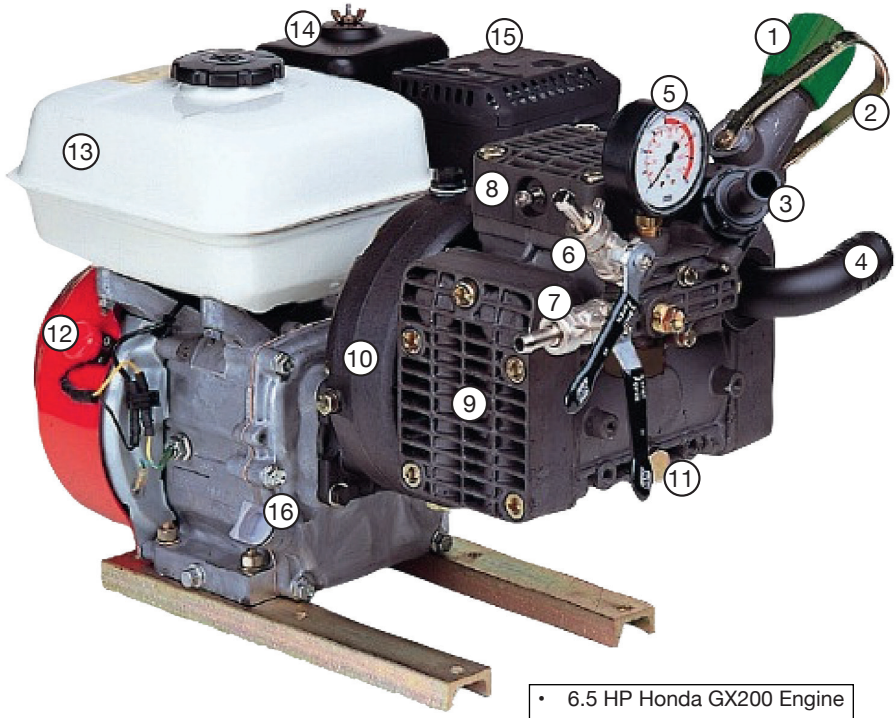
1. Inspect the sprayer to ensure there is no damage or wear which could lead to injury, further damage or reduce its performance.
2. Check all bolts and nuts to make sure they are tight and secure.
3. Carry out scheduled lubrication.
4. Make sure the sprayer is securely attached to the vehicle
6. Ensure all filters and nozzles are clean.
7. Fill main tank with approximately 10% of total tank volume of fresh water.
8. Move the bypass unloader lever on the pressure control unit outwards to allow the engine to start with no load.
9. Start the engine at the lowest revs possible and then gradually increase revs until the pump reaches your desired operating speed.

IMPORTANT: The reduction gearbox operates at 6:1 ratio from engine to pump. The spray pump speed should not exceed 540 RPM. Engine speed should not exceed 3250 RPM.

10. Move the bypass unloader lever inwards to allow spray pressure to reach the gunjet. Ensure that the spray gun outlet valve on the pressure control unit is open.
11. Check spray gun operation. If there are irregularities, clean the nozzle or tighten fittings as necessary.
12. Check all other components are operating correctly and make any adjustments as necessary.

NOTE: For optimal sprayer set-up, the operator needs to be aware of the correct nozzle and correct speed at which to travel when spraying. For this information, refer to the TeeJet catalogue and your chemical manufacturer's information for determining appropriate spray rates or consult an agronomist for further help.

Honda GX200 & Delta 40 Pump



- 6.5 HP Honda GX200 Engine
- 6:1 Reduction Gearbox
- 2 Diaphragms
- 40 L/min @ 540 RPM
- 560 PSI / 39 Bar

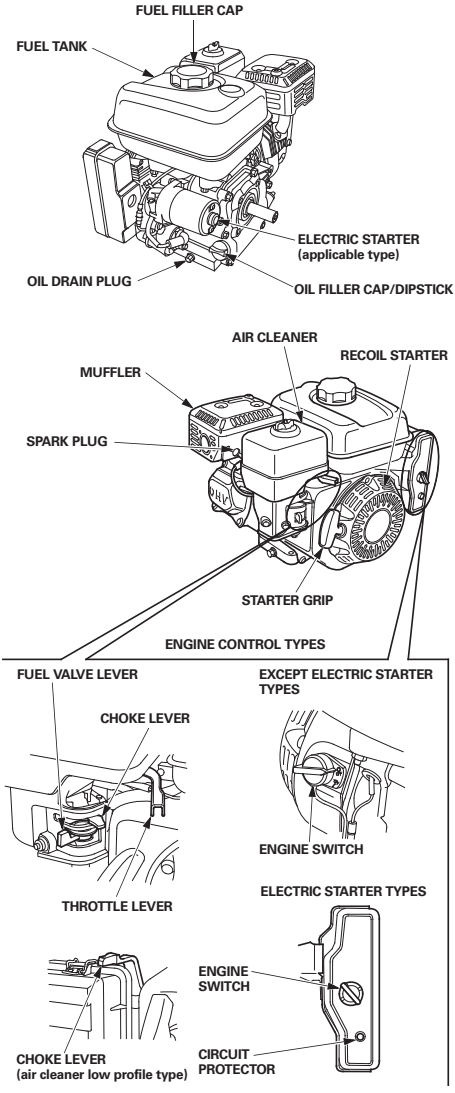
Key Features

Number	Description
1	Relief valve adjuster
2	Bypass unloader lever
3	Bypass outlet back to spray tank
4	Inlet from spray tank
5	Spray pressure gauge
6	Spray pressure outlet 1
7	Spray pressure outlet 2
8	Spray pump air damper

Number	Description
9	Spray pump diaphragm housing
10	Reduction gearbox
11	Spray pump oil drain plug
12	On / Off switch
13	Fuel tank
14	Air cleaner
15	Exhaust muffler
16	Engine oil cap / Dipstick

Engine

The Traymount sprayers are fitted with a Honda GX200 motor as standard. It may be optioned with an electric starter. This section provides a basic overview of motor features and operation only. For detailed safety, operating and maintenance instructions specific to this motor consult the Honda owner's manual supplied or find a copy online.



Engine Safety

- Understand the of all controls and learn how to stop the engine quickly in case of emergency.
- Do not allow children to operate the engine. Keep children and pets away from the area of operation.
- Your engine's exhaust emits poisonous carbon monoxide. Do not run the engine without adequate ventilation, and never run the engine indoors.
- The engine and exhaust become very hot during operation. Keep engine away from flammable materials and do not place anything on engine while it is running.

Preoperational Safety Check

1. Look around the underside of the engine for signs of any oil or fuel leaks.
2. Remove any excessive dirt or debris, especially around the muffler and recoil starter.
3. Look for signs of damage.
4. Check that all shields are in place, and that all nuts, bolts and screws are tightened.

Preoperational Maintenance Check

1. Check engine oil level. Running with low oil can cause damage.

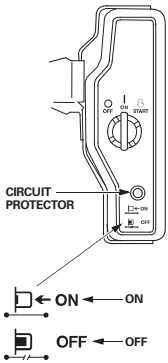
   Where fitted, the oil alert system will automatically stop the engine before the oil level becomes critically low.
2. Check reduction gearbox oil level. Sufficient oil level is essential to maximise gearbox life.
3. Check air filter element and clean or replace as necessary to allow clear airflow to the carburetor.

Circuit Protector

If the motor has been optioned with electric start, then it will also have a circuit protector fitted which protects the battery charging circuit. A short circuit, or a battery connected with reverse polarity, will trip the circuit protector.

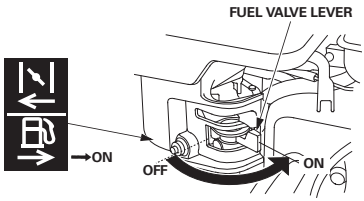
The green indicator inside the circuit protector will pop out to show that the circuit protector has switched off. If this occurs, determine the cause of the problem, and correct it before resetting the circuit protector.

Push the circuit protector button to reset.



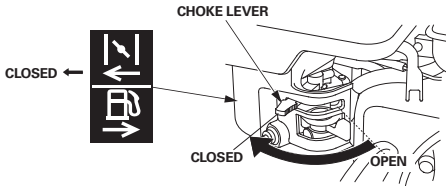
Starting Engine

1. Move the fuel valve lever to the ON position.

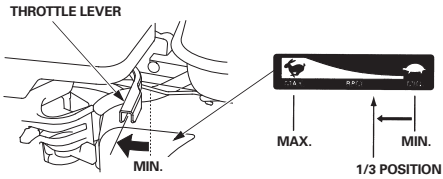


2. If the engine is cold, move the choke lever to the CLOSED position.

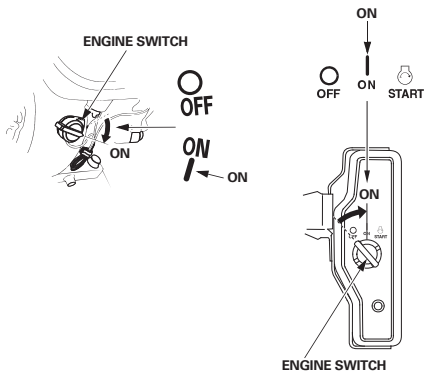
If restarting a warm engine, leave the choke lever in the OPEN position.



3. Move the throttle lever approximately 1/3 of the way from the MIN. position.



4. Turn the engine switch to the ON position.

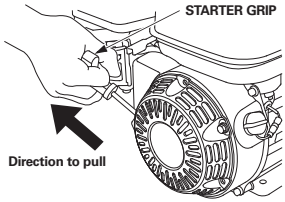


1. Operate the starter:

RECOIL STARTER

- Pull the starter grip lightly until you feel resistance, then pull briskly in the direction of the arrow as shown below. Return the starter grip gently.

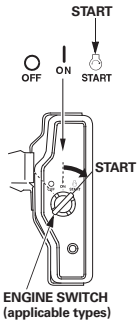
NOTE: Do not allow the starter grip to snap back against the engine. Return it gently to prevent damage to the starter.



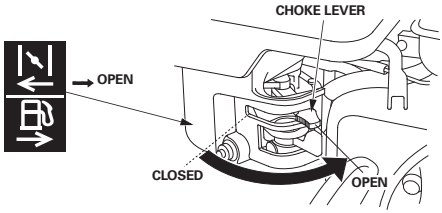
ELECTRIC STARTER

- Turn the key to the START position, and hold it there until the engine starts.
- When it starts, release the key, allowing it to return to the ON position.

NOTE: Using the starter for longer than 5 seconds at a time will overheat the motor and can damage it. This type of overheating is not covered under warranty. If the engine fails to start within 5 seconds, release the key, and wait at least 10 seconds before trying the starter again.



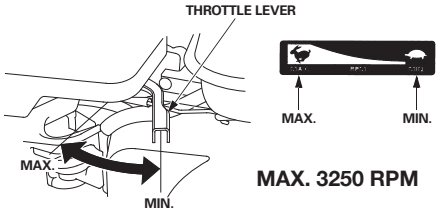
2. If the choke lever was moved to the CLOSED position to start the engine, gradually move it to the OPEN position as the engine warms up.



Setting Engine Speed

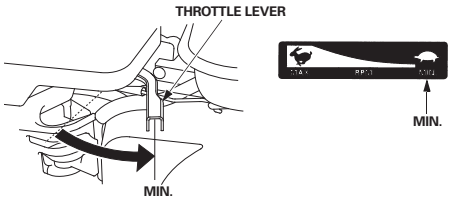
Move the throttle lever to somewhere between the MAX. and MIN. position to set desired engine speed.

IMPORTANT: The reduction gearbox operates at a 6:1 ratio from the engine to the pump. The spray pump speed should not exceed 540 RPM. Therefore the engine should not be allowed to run over 3250 RPM.

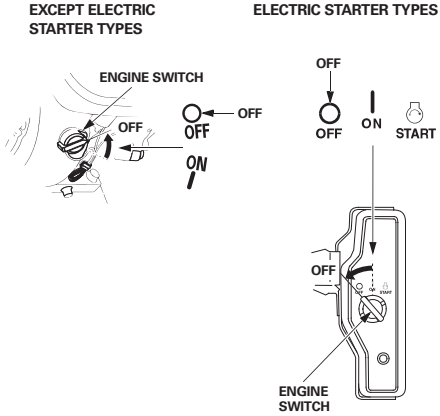


Stopping Engine

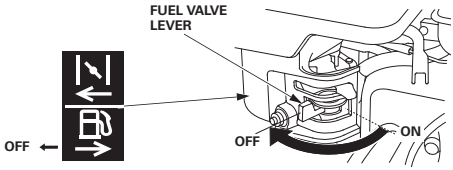
1. Move the throttle lever to the MIN. position.



2. Turn the engine switch to the OFF position.



3. Move the fuel valve lever to the OFF position.



EMERGENCY SHUTDOWN: Turn the engine switch to the OFF position.

The full shutdown procedure should be followed during normal operation.

Pump

Diaphragm pumps are a positive displacement pump that utilise a number of rubber diaphragms and non-return check valves to pump (displace) the fluid. Diaphragm pumps are very well suited to chemical spraying applications. To ensure that you get the most from your pump, follow the information here to use it correctly. Proper operation and periodic maintenance are essential in obtaining the best possible performance from your sprayer over time.

PRESSURE RELIEF VALVE

The pressure relief valve provides relief when the pressure exceeds a pre-determined value and is part of the pressure control unit. Turning the adjuster clockwise will increase the pressure relief setting and vice versa. The pressure gauge gives indication of the delivery pressure to the spray gun.

BYPASS VALVE

The bypass valve enables all pump delivery to bypass back to the tank. The bypass valve is part of pressure control unit. It should be opened when starting the pump with an engine so that the engine does not start under load. The bypass valve should also be engaged to agitate the tank mixture when not spraying. To engage the bypass valve, pull the valve lever out. This will cause all pump delivery to be bypassed back to the tank. To disengage the bypass valve, push the valve lever in, so that the pump delivery is directed out to the spray lines.

IMPORTANT: Never overfill pump with oil as damage to seals & oil bowl may result. Do not operate diaphragm pumps above 540 RPM.

IMPORTANT: The pump will perform optimally close to, but not over 540 RPM. At speeds much below 540 RPM, excessive pulsation will occur. Speeds above 540 RPM are likely to result in pump and diaphragm damage.

IMPORTANT: Do not leave water in pump if sprayer is to be left in a cold environment. Frozen water inside the pump can cause the housing to crack. Always allow any frozen water inside the pump to thaw before attempting to operate the pump.

PREOPERATIONAL PROCEDURE

1. If sprayer is in a cold environment, make sure that any frozen water present in the pump is thawed before attempting operation to avoid serious damage. Ensure that the pump can be turned over by hand before starting.
2. Inspect all hoses to make sure they are the correct size, fitted securely and that there is no restriction or leaking.
3. Make sure that the pump PTO shaft cover is fitted correctly to prevent accidental injury.
4. Make sure the strainer in the suction filter is clean and correctly installed.
5. Lubricate the PTO shaft according to manufacturer recommendations to prevent the shaft from binding.
6. Change the pump oil after the first 50 hours of operation and then after every 300-350 hours. Use only SAE 30W40 motor oil and do not overfill. Rotate pump manually (by hand) to remove air locks when filling with oil.

WHEN THE PUMP IS OPERATING

- The oil should be visible in the bowl.
- Frequently check the oil level and colour.

IMPORTANT: A change in either colour or level indicates probable damage to diaphragm or valves. **Stop the pump immediately.**

POST OPERATIONAL PROCEDURE

1. Always flush pump with clean water at the end of each spraying day. Prolonged chemical contact can severely damage seals and diaphragms.
2. Do not leave water in pump if sprayer is to be left in a cold environment. Frozen water inside the pump can cause the housing to crack. Empty pump of all water and run it dry for 15-20 seconds Then cover pump with a bag or similar to keep it protected. If this has not been done and there is a possibility there may be frozen water in the pump and/or in the lines, wait until any ice has completely thawed before using pump again.

Pump Maintenance

The pump diaphragms are wearing components that need to be replaced during the life of the pump. Life expectancy depends upon pump operation and maintenance and task suitability.

MAINTENANCE GUIDELINES

- Pump diaphragms should be replaced prior to diaphragm failure.
- Where the sprayer is used extensively, the pump should be reconditioned once a season, including replacing diaphragms, seals and valve springs.
- It is recommended to keep a spare pump repair kit (including diaphragms, seals, valve o-rings and springs) on hand in case of a breakdown.
- A change of oil colour indicates a pump problem. The oil should be regularly monitored when spraying so that any problem is detected as soon as possible. If the oil goes milky in colour, it is likely the diaphragm has split and the spray mixture has come into contact with the oil. If the oil goes black (or dark grey), it is likely the pump has overheated.

MAIN CAUSES OF PREMATURE DIAPHRAGM FAILURE

- Blocked or incorrectly fitted suction filter restricting flow to the pump.
- Incorrect air damper chamber pressure.
- Running pump at speeds greater than 540 RPM.
- Exceeding the 560 PSI pressure limit of the pump.
- Failure to wash chemicals from pump after use.
- Incompatibility of the diaphragm material and the chemicals used.

DIAPHRAGM REPLACEMENT

When diaphragms require replacement it is normal practice to replace the air damper diaphragm at the same time.

1. Flush pump with clean water to remove chemical residue, then flush with appropriate decontaminating agent (refer to chemical label for decontamination instructions).
2. Run pump dry for 15-20 seconds to remove water.
3. Remove all air from air damper chamber by pushing in air valve.
4. Remove pump from sprayer.
5. Remove pump manifolds and pump heads.

IMPORTANT: Carefully note the position and orientation of all heads, manifolds and valves when disassembling pump. Failure to reassemble correctly will result in severe pump damage.

6. Drain oil from pump.
7. Remove diaphragms.
8. Remove cylinder sleeves.
9. Flush inside of pump with diesel.
10. Visually inspect inner workings of pump.
11. Reassemble with correct new diaphragms only once satisfied with condition of pump.
12. Refill with oil (SAE 30W40). Rotate pump by hand to remove air locks. Do not overfill.

Pump Troubleshooting

The troubleshooting information is provided as a reference when your sprayer is not functioning correctly.

To ensure that you receive the best possible service, it is recommended that you exhaust all applicable troubleshooting solutions shown prior to calling your dealer, or Goldacres, for service advice.

Problem	Common Causes	Common Solution
Pressure and flow rate are too low	Excessive bypass on regulator	Check regulator setting on pump.
	Supply to pump is restricted	Suction filter may be blocked
		Check tank sump and suction line blockages
		Check suction line for air leaks
		Check pump speed
		Check oil for colour change. If the oil appears milky, a diaphragm will be damaged and needs to be replaced.
		Check valves in pump.
Pressure and flow rate are too high	Bypass from regulator is restricted or blocked	Check for restriction in bypass
		Adjust pump speed, close to, but no higher than 540 rpm (3250 rpm engine).
The pressure on my gauge is higher than the nozzle flow indicates	Blocked filter or nozzle	Check and clean pressure line, fittings and nozzle
	Flow loss due to resistance in lines, fittings and/or nozzle.	
The flow rate is correct but my pressure is too low or high.	Spray gun nozzle	Check nozzle on spray gun for type and fitment
Pressure fluctuation	Air leak on suction side of pump	Check suction pump for air leaks
	Incorrect pump speed	Adjust pump speed, close to, but no higher than 540 rpm (3250 rpm engine).
	Faulty pump valves	Replace pump valves
Pump pressure pulsating	Air accumulator pressure is incorrect	Add or remove air in accumulator as necessary
	Air accumulator diaphragm has a leak	Replace air accumulator diaphragm
	Pump speed too low	Adjust pump speed, close to, but no higher than 540 rpm (3250 rpm engine).
Pump oil becoming black or dark grey	Air leak on suction side of pump	Check pump suction for air leaks
	Pump is overheating	Check pump speed and oil level
Pump is noisy	Low oil level	Refill or replace oil
	Air accumulator pressure set incorrectly	Recharge air accumulator to specified pressure
	Insufficient lubrication	Replace all bearings
	Damaged pump valves	Replace pump valves
	Pump suction line has air leak or is restricted	Clean suction filter and check for leaks in suction lines
Pump housing or mountings cracked	Extremely cold weather can cause liquid in the pump to freeze and expand	Water should be removed from the pump when storing in very cold environments

Suction Filter

It is essential to maintain all filters, and filter screens, in good condition. Filter screens that are not regularly cleaned can severely impede the flow and thus affect delivery pressure.

If the screen is in any way damaged, it can allow foreign material into the pumping system which can result in damage to the pump, lines, valves and nozzle tips. If the screen is not properly fitted, it can allow air into the pumping lines which will reduce the performance of the pump. The filter screen should be cleaned after every spraying operation. The best way to clean the filter screen is with a soft brush or compressed air after washing the entire chemical residue from the pump.

SAFETY SHUT-OFF VALVE

The safety shut off valve enables the filter bowl to be removed while automatically shutting off the supply line to the filter. As the filter bowl is removed together with the bowl cap, the valve plunger seats so as to seal off the filter from the supply line. Replacing the filter bowl unseats the valve plunger and thus opens the supply line to the filter.

SUCTION FILTER CLEANING

WARNING: Appropriate PPE must be worn when cleaning filters.

1. Ensure the pump is turned off.
2. Carefully unscrew filter nut and remove bowl and avoid contact with residual chemical.
3. Remove screen and clean (with a soft brush or compressed air).
4. Check for damage to screen, bowl,body and O-ring.
5. Place screen back in position.
6. Make sure O-ring is in position for proper seal.
7. Replace bowl and screw nut on. Do not over-tighten nut.

Filling

When filling the sprayer it is necessary to use an external water source.

WARNING: Operators must wear the appropriate PPE.

The following steps should be followed when filling the tank:

1. With sprayer mounted on the vehicle, park on level ground.
2. The pump should be turned off.
3. Remove the tank lid.
4. Add 20% of the tanks volume of clean water, or more, if the chemical is in a denser form e.g. powder.
5. Add chemical as required. Some agitation will take place as the rest of the water is added.
6. Use external water source to fill main tank (Do not exceed the tank capacity).
7. Replace the tank lid and ensure that it is secure prior to switching on pump. You are now ready to use the sprayer.

WARNING: When filling tank with water, 1 litre of water will add 1 kg of weight. Some chemicals have a higher density than water and will weigh more per litre. Therefore, it is the operators responsibility to ensure the loaded weight of the sprayer does not exceed the towing and / or carrying capacity of the vehicle.

Spray Application

It is the responsibility of the operator to ensure that the chemical mix is sufficiently agitated and that the conditions are right to start spraying.

NOTE: For optimal sprayer set-up, the operator needs to be aware of the correct nozzle and correct speed at which to travel when spraying. For this information, refer to the TeeJet catalogue and your chemical manufacturer's information for determining appropriate spray rates or consult an agronomist for further help.

WARNING: Operators must wear the appropriate PPE.

1. Follow the safety checks and maintenance checks for both the engine and pump.
2. Follow the filling procedure to fill the tank.
3. Move the bypass unloader lever outwards to allow the engine to start with no load.
4. Follow the starting procedure to start engine.
5. Allow pump to build pressure. While the bypass to tank is open, the tank contents will be agitated.
6. Once agitation is complete and you are ready to commence spraying, close the tank bypass by moving the lever on the pressure regulator inwards.
7. It is recommended to set the regulator to maximum pressure of 45 PSI when using the spray gun. Adjust the regulator if necessary.
8. Ensure that the gun jet outlet valve on the pump is open and engage the trigger on the spray gun to commence spot spraying.
9. Adjust the pressure regulator to raise or lower the spray rate to suit application. This will ensure even and consistent coverage of the target.

Flushing

The following information is provided as a general guide for flushing your sprayer after a spray application

For more specific information regarding flushing, and decontamination, specific to the products that you are applying, it is recommended that you consult the chemical label or your chemical supplier.

WARNING: Operators must wear the appropriate PPE.

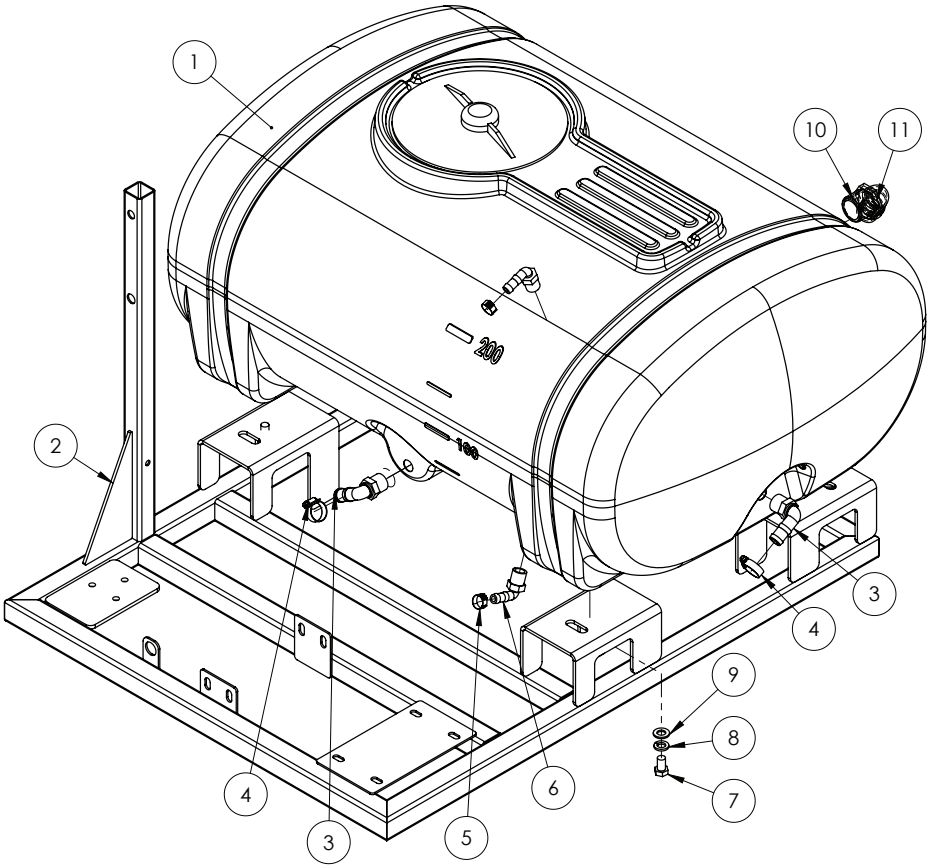
1. Turn pump off.
2. Drain main tank by opening drain valve.
3. Add a quantity of fresh water to main tank and allow to exit through drain.
4. Close drain valve and add a quantity of fresh water along with decontaminating agents if required to main tank.
5. Turn on pump, and spray fresh water through the spray gun. This will ensure that fresh water has circulated through the pump and gun.
6. Drain remaining contents of fresh water. and then re-close drain valve. The sprayer is now ready for storage.

Storage

If the sprayer is to be stored for a long period of time without use, there are several tasks that need to be performed.

1. Clean the sprayer thoroughly as described under "flushing".
2. Store the sprayer out of direct sunlight and where it will not be affected by frosts.
3. Ensure that the main tank is empty.
4. Protect hoses and electrical connections.

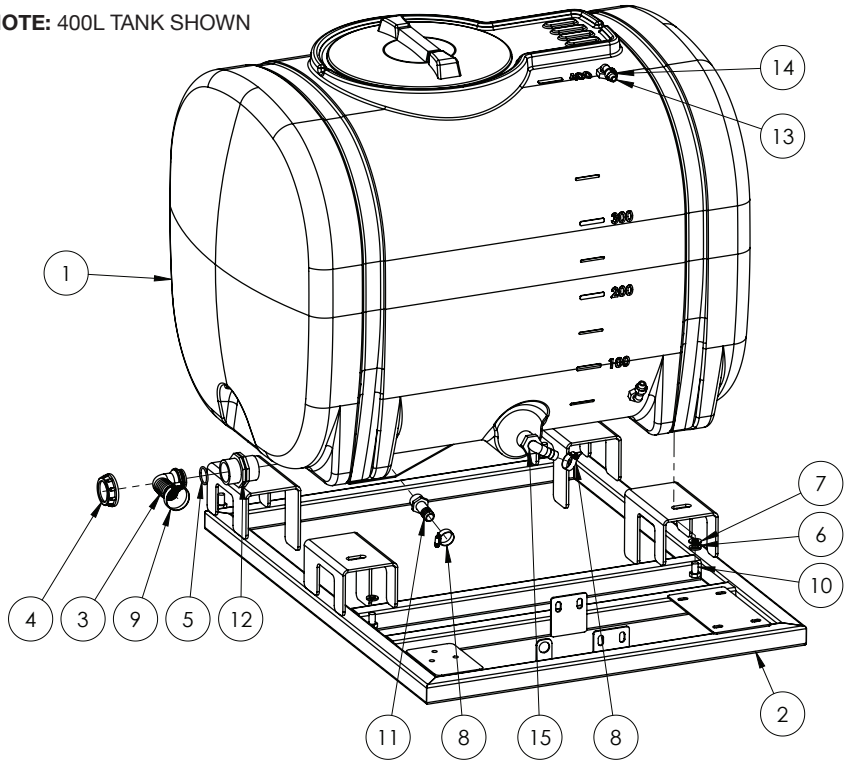
Traymount 200L - Tank & Frame



Pos.	Part No.	Description	Qty.
-	GA2000209	Hose, Clear, 12mm, Sight tube	-
1	GA8500007	Tank, 200L, Flat Base - Includes lid	1
	GA5076882	Lid, Tank, 255 mm diameter, With breather	-
2	GA4600305	Frame, 30m Hose Reel, Traymount, 200-300-400L	1
3	GA5077717	Hose barb, Elbow, 90 degree, 3/4" male thread x 3/4" hose	2
4	GA5000999	Hose Clamp, 3/4", SS (16-27/12W)	2
5	GA5007231	Hose clamp, Cobra type, 1/2"	2
6	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	2
7	GA5011227	Bolt M12 x 20 GR8.8 ZP	4
8	GA5000575	Washer 12mm Spring SS	4
9	GA5000577	Washer 12mm Flat SS HD	4
10	GA5077730	Hose barb, Elbow, 90 degree, 1-1/4" male thread x 1-1/4" hose	1
11	GA5002783	Hose Clamp, 1-1/4", SS (30-45/13W)	1

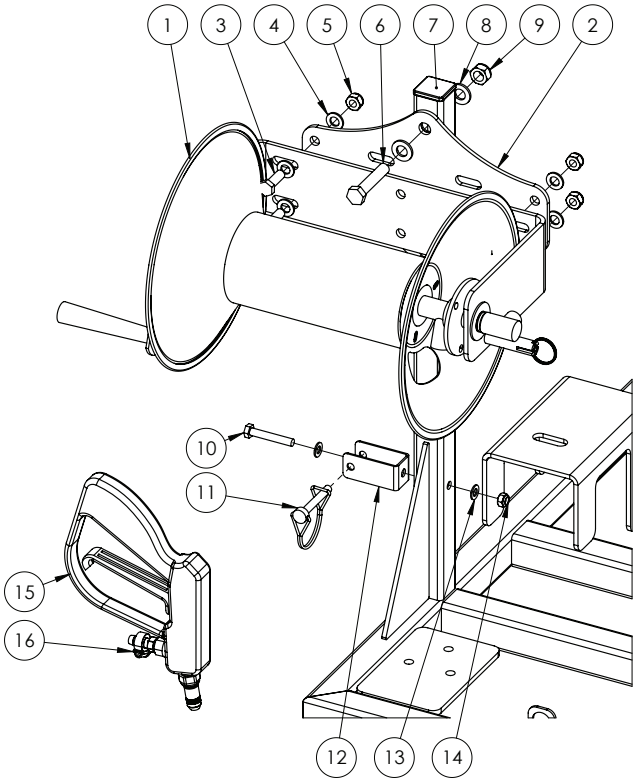
Traymount 300-400L - Tank & Frame

NOTE: 400L TANK SHOWN



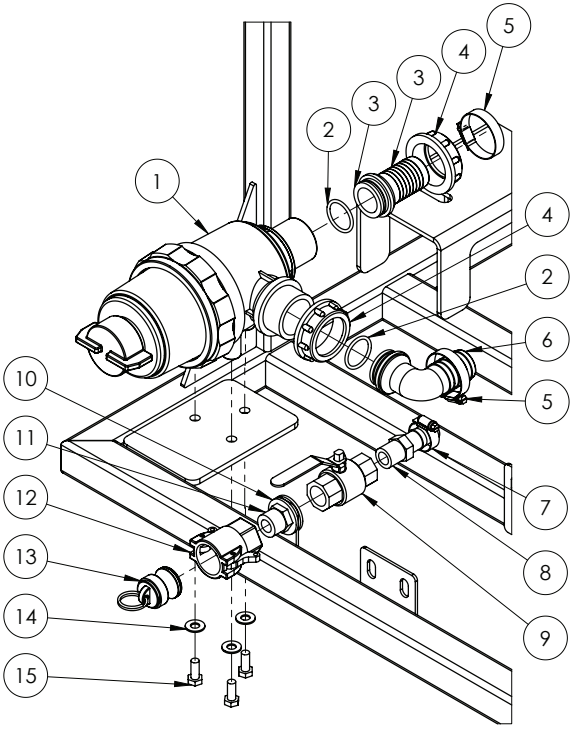
Pos.	Part No.	Description	Qty.
-	GA2000209	Hose, Clear, 12mm, Sight tube	-
1	GA8500008	Tank, 300L, Flat Base - Includes lid	1
	GA8500009	Tank, 400L, Flat Base - Includes lid	1
	GA5076880	Lid, Black, Without breather, Medium, Diameter 355 mm	-
2	GA4600305	Frame, 30m Hose Reel, Traymount, 200-400L	1
3	GA5076259	Hose barb, Elbow, 90 degree, 1 1/2" fly nut end x 32 mm hose	1
4	GA5076604	Fly nut, 1 1/2"	1
5	GA5077679	O ring, 30 x 3 mm	1
6	GA5000575	Washer 12mm Spring SS	4
7	GA5000577	Washer 12mm Flat SS HD	4
8	GA5000999	Hose Clamp, 3/4", SS (16-27/12W)	2
9	GA5002873	Hose Clamp, 1 1/2", SS (32-50/12W)	1
10	GA5011227	Bolt M12 x 20 GR8.8 ZP	4
11	GA5077709	Hose barb, Straight, 3/4" male thread x 3/4" hose	1
12	GA5078409	Plumbing fitting, Nipple, 1 1/2", Arag, 2502060	1
13	GA5077708	Hose barb, Elbow, 90 degree, 1/2" male thread x 1/2" hose	2
14	GA5007231	Hose clamp, Cobra type, 1/2"	2
15	GA5077719	Hose barb, Elbow, 90 degree, 1" male thread x 3/4" hose	1

Traymount 200-400L - Hose Reel



Pos.	Part No.	Description	Qty.
1	GA5066080	Hose reel, 30m 3/8” hose, manual rewind	1
2	GA4532190	Hose Reel Adaptor Plate (5mm FMS)	1
3	GA5065455	Bolt M10 x 30 GR8.8 ZP	4
4	GA5000117	Washer 10mm Flat SS HD	8
5	GA5000141	Nut M10 Nyloc ZP	4
6	GA5000335	Bolt M12 x 60 GR8.8 ZP	2
7	GA5002911	End cap, Plastic, Black, Insert, RHS. 35 x 35, 1.0 - 3.0mm wall	1
8	GA5000577	Washer 12mm Flat SS HD	4
9	GA5012461	Nut M12 Nyloc ZP	2
10	GA5004727	Bolt M8 x 50 GR8.8 ZP	1
11	GA5013003	Pipe linch pin, 8 OD x 60 mm long	1
12	GA4534635	Bracket, Gun jet, Holder support	1
13	GA5003651	Washer 8mm Flat SS	2
14	GA5004917	Nut M8 Nyloc ZP	1
15*	GA4900546	Gunjet, AA30, 5500-X18 adjustable nozzle, 1/2" Hose Barb	1
16	GA5000469	Hose clamp, 1/2", SS	1

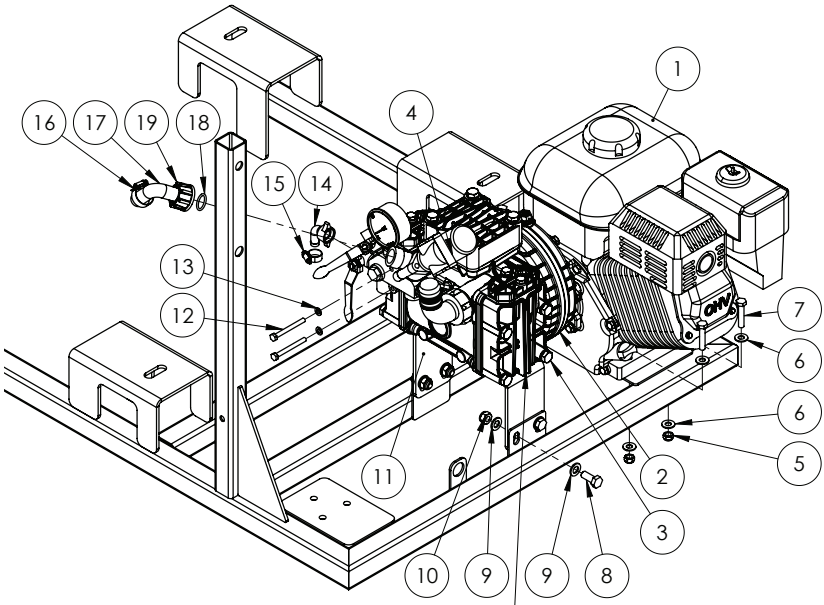
Traymount 200-400L - Suction Filter



Pos.	Part No.	Description	Qty.
1	GA2000106	Suction Filter, 1-1/2” 50 Mesh, 1-1/2” BSP Male Threads	1
2	GA5077679	O ring, 30 x 3 mm	2
3	GA5076037	Hose barb, Straight, 1-1/2" fly nut end x 32mm hose	1
4	GA5076604	Fly nut, 1-1/2", Arag	2
5	GA5002873	Hose Clamp, 1 1/2", SS (32-50/12W)	2
6	GA5076259	Hose barb, Elbow, 90 degree, 1 1/2" fly nut end x 32 mm hose	1
7	GA5000999	Hose Clamp, 3/4", SS (16-27/12W)	1
8	GA5077707	Hose barb, 1/2" male thread x 3/4" hose	1
9	GA5018309	Valve, Ball, 12mm, 1/2” female, Lever handle, Brass	1
10	GA5001741	Washer 20mm Flat SS HD	2
11	GA5012273	Nipple Reducing 1/2" x 3/4"	1
12	GA5077132	Cam lever, 3/4" female coupling x 3/4" female thread	1
13	GA5077137	Plug, Cam lever, 3/4" male	1
14	GA5003643	Washer 8mm Flat SS HD	3
15	GA5004085	Bolt M8 x 20 GR8.8 ZP	3

* Sub-assembly shown on following pages.

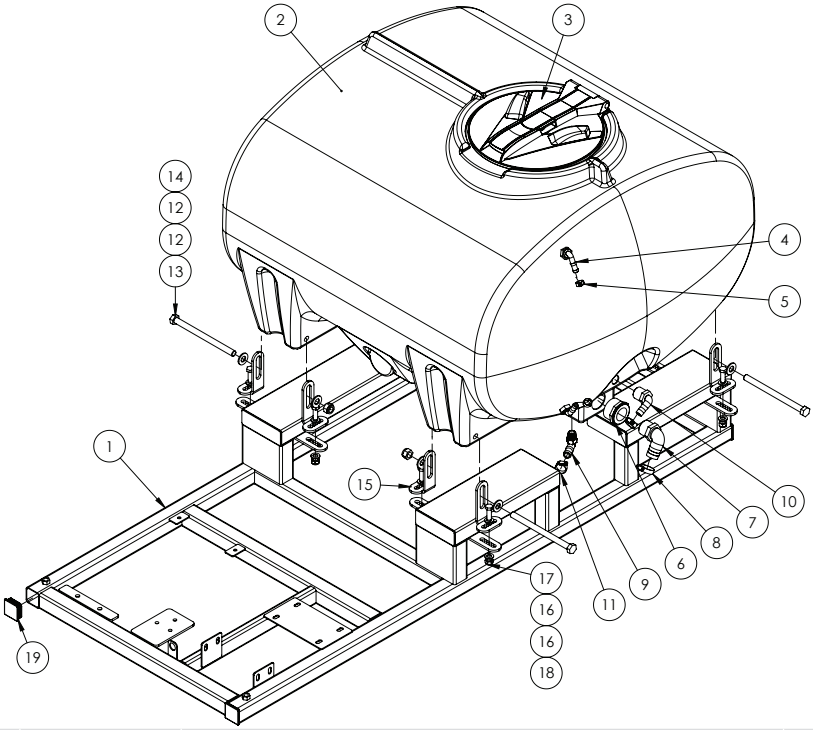
Traymount 200-400L - Pump



Pos.	Part No.	Description	Qty.
-	GA2000209	Hose, Clear, 12mm, Sight tube	-
1	GA5023085	Engine, GX200, 3/4” shaft, Honda	1
2	GA5072295*	Reduction Gearbox, Ratio 6:1, S160-3/4 GR, Suit Delta 40 GR	1
3	GA5072285*	Pump, Delta 40 GR	1
4	GA5077650*	Pressure control unit, valve, DS3, 3 section, 30 Bar, Udor	1
5	GA5004917	Nut M8 Nyloc ZP	4
6	GA5003643	Washer 8mm Flat SS HD	8
7	GA5048655	Bolt M8 x 40 GR8.8 ZP	4
8	GA5006161	Bolt M10 x 25 GR8.8 ZP	4
9	GA5000117	Washer 10mm Flat SS HD	8
10	GA5000141	Nut M10 Nyloc ZP	4
11	GA4400415	Plate, Delta 40 Pump Mount	1
12	GA5004097	Bolt M6 x 60 GR8.8 ZP	2
13	GA5004437	Washer 6mm Flat SS	2
14	GA5075657	Hose barb, Elbow, 90 degree, 13mm hose, including 1/2" fly nut and seal, Brass	1
15	GA5000469	Hose clamp, 1/2", SS	1
16	GA5000999	3/4" SS hose clamp	1
17	GA5075745	Hose barb, Elbow, 90 degree, Fly nut end x 20mm hose	1
18	GA5076067	O ring, 17.13 x 2.62 mm	1
19	GA5075791	Fly nut, M30	1

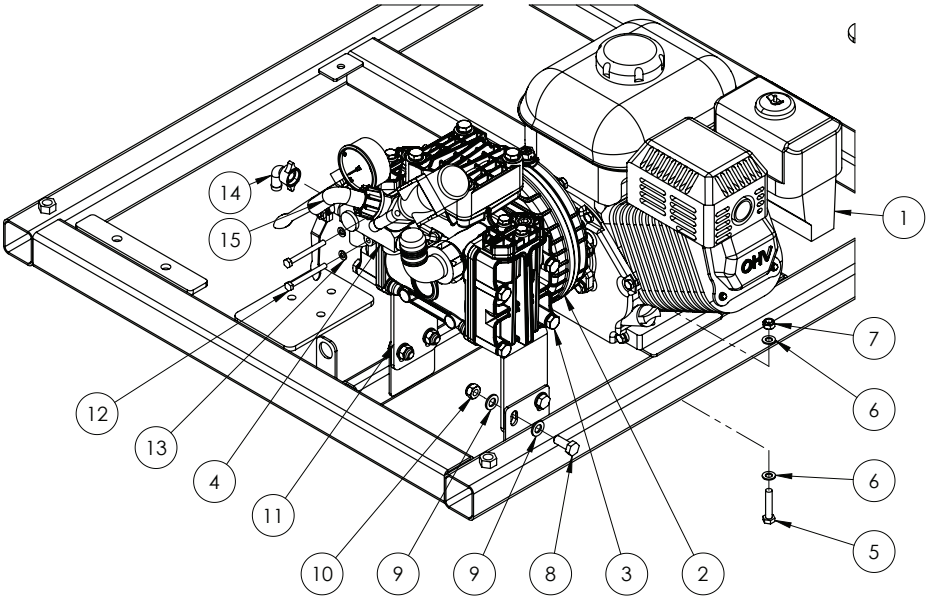
* Sub-assembly shown on following pages.

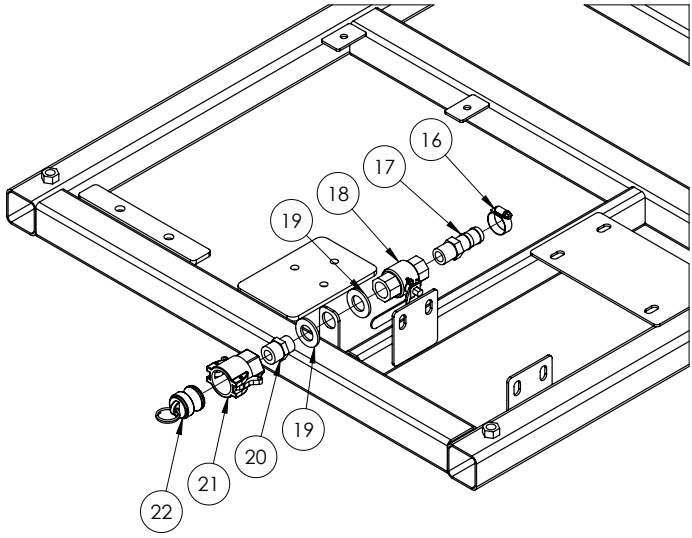
Traymount 600L - Tank & Frame



Pos.	Part No.	Description	Qty.
-	GA2000209	Hose, Clear, 12mm, Sight tube	-
1	GA4600905	Frame, 600L, Traymount, Pro Reel	1
2	GA5023135	600L Cartage Spray tank with sump and lid	1
3	GA5078498	Lid, Hinged, Black plastic, 355mm	1
4	GA5077710	Hose barb, Elbow, 90 degree, 3/4" male thread x 1/2" hose	2
5	GA5007231	Hose clamp, Cobra type, 1/2"	2
6	GA5078022	Bush, Reducing, Poly, 2” Male Thread x 1 1/4" Female Thread	1
7	GA5077730	Hose barb, Elbow, 90 degree, 1 1/4" male thread x 1 1/4" hose	1
8	GA5002783	Hose Clamp, 1 1/4", SS	1
9	GA5077704	Hose barb, Elbow, 90 degree, 1/2" male thread x 3/4" hose	1
10	GA5077719	Hose barb, Elbow, 90 degree, 1" male thread x 3/4" hose	1
11	GA5000999	Hose Clamp, 3/4", SS	2
12	GA5001009	Washer 16mm Flat ZP HD	8
13	GA5000895	Bolt M16 x 220 GR8.8 ZP	4
14	GA5001029	Nut M16 Nyloc ZP	4
15	GA4404755	Plate, Tank Adjuster, Compact	8
16	GA5000577	Washer 12mm Flat SS HD	16
17	GA5012461	Nut M12 Nyloc ZP	8
18	GA5000311	Set Screw M12 x 35 GR 8.8 ZP	8
19	GA5003783	End cap, Plastic, Black, Insert, RHS. 50 x 50, 0.8 - 2.5mm wall	4

Traymount 600L - Pump & Drain





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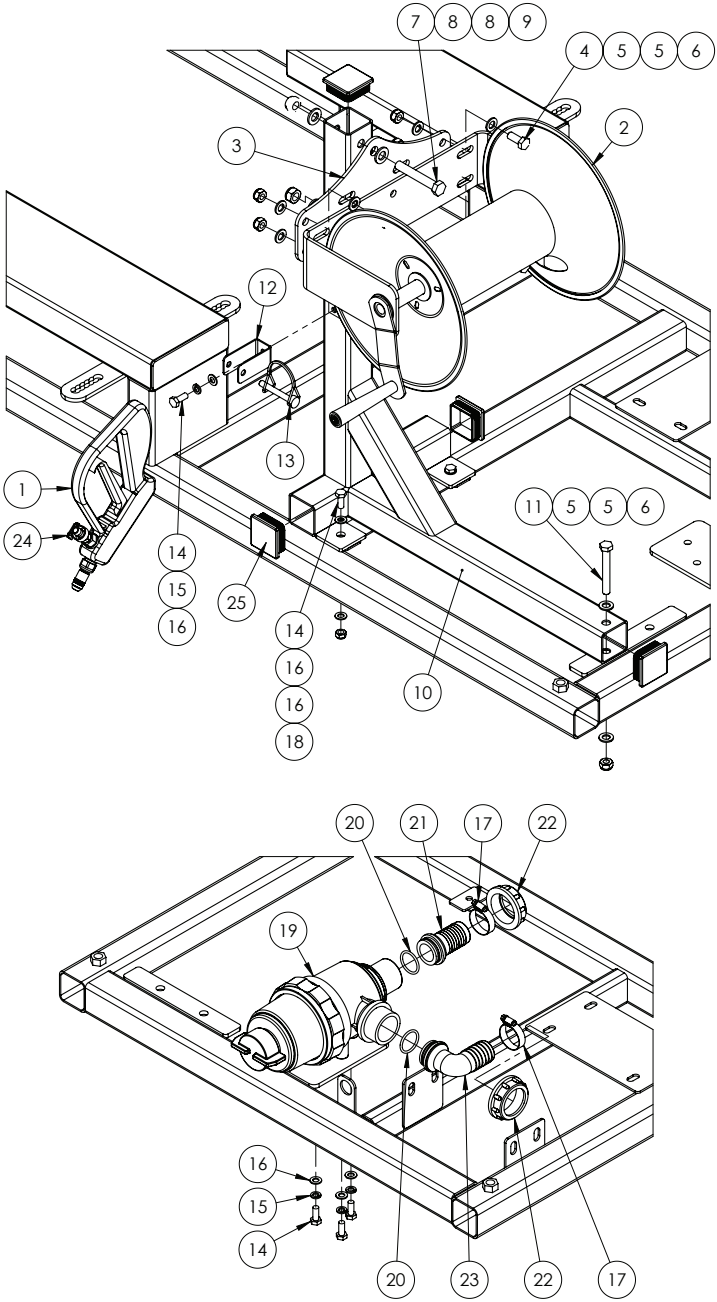
Traymount 600L - Pump & Drain

Pos.	Part No.	Description	Qty.
1	GA5023085	Engine, GX200, 3/4” shaft, Honda	1
2	GA5072295*	Reduction Gearbox, Ratio 6:1, S160-3/4 GR - Suit GX200	1
3	GA5072285*	Pump, Delta 40 GR	1
4	GA5077650*	Pressure control unit, valve, DS3, 3 section, 30 Bar, Udor	1
5	GA5048655	Bolt M8 x 40 GR8.8 ZP	4
6	GA5003643	Washer 8mm Flat SS HD	8
7	GA5004917	Nut M8 Nyloc ZP	4
8	GA5006161	Bolt M10 x 25 GR8.8 ZP	4
9	GA5000117	Washer 10mm Flat SS HD	8
10	GA5000141	Nut M10 Nyloc ZP	4
11	GA4400415	Plate, Delta 40 Pump Mount, 200-400L Kubota RTV	1
12	GA5004097	Bolt M6 x 60 GR8.8 ZP	2
13	GA5004437	Washer 6mm Flat SS	2
14	GA5075657	Hose barb, Elbow, 90 degree, 13mm hose, including 1/2" fly nut and seal, Brass	1
15	GA5075745	Hose barb, Elbow, 90 degree, Fly nut end x 20mm hose	1
16	GA5000999	Hose Clamp, 3/4", SS	1
17	GA5077707	Hose barb, 1/2" male thread x 3/4" hose	1
18	GA5018309	Valve, Ball, 12mm, 1/2” female, Lever handle, Brass	1
19	GA5001741	Washer 20mm Flat SS HD	2
20	GA5012273	Nipple Reducing 1/2" x 3/4"	1
21	GA5077132	Cam lever, 3/4" female coupling x 3/4" female thread	1
22	GA5077137	Plug, Cam lever, 3/4" male	1

* Sub-assembly shown on following pages.

Traymount 600L - Hose Reel & Suction Filter



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Traymount 600L - Hose Reel & Suction Filter

Pos.	Part No.	Description	Qty.
1	GA4900546*	Gunjet, AA30, 5500-X18 adjustable nozzle, 1/2" Hose Barb	1
2	GA5066080	Hose reel, 30m 3/8” hose, manual rewind	1
3	GA4532190	Hose Reel Adaptor Plate (5mm FMS)	1
4	GA5006161	Bolt M10 x 25 GR8.8 ZP	4
5	GA5000117	Washer 10mm Flat SS HD	10
6	GA5000141	Nut M10 Nyloc ZP	5
7	GA5000351	Bolt M12 x 75 GR8.8 ZP	2
8	GA5000577	Washer 12mm Flat SS HD	4
9	GA5012461	Nut M12 Nyloc ZP	2
10	GA4600935	Hose Reel Adaptor, Suits Pro Reel, Traymount	1
11	GA5006073	Bolt M10 x 75 GR8.8 ZP	1
12	GA4534635	Bracket, hand Gun jet holder support	1
13	GA5013003	Pipe linch pin, 8 OD x 60 mm long	1
14	GA5004085	Bolt M8 x 20 GR8.8 ZP	6
15	GA5004919	Washer 8mm Spring SS	4
16	GA5003643	Washer 8mm Flat SS HD	8
17	GA5002783	Hose Clamp, 1 1/4", SS	2
18	GA5004917	Nut M8 Nyloc ZP	2
19	GA2000106*	Suction Filter, 1-1/2” 50 Mesh, 1-1/2” BSP Male Threads	1
20	GA5077679	O ring, 30 x 3 mm	2
21	GA5076037	Hose barb, Straight, 1 1/2" fly nut end x 32mm hose	1
22	GA5076604	Fly nut, 1 1/2"	2
23	GA5076259	Hose barb, Elbow, 90 degree, 1 1/2 fly nut end x 32 mm hose	1
24	GA5000469	Hose clamp, 1/2", SS	1
25	GA5003783	End cap, Plastic, Black, Insert, RHS. 50 x 50, 0.8 - 2.5mm wall	4

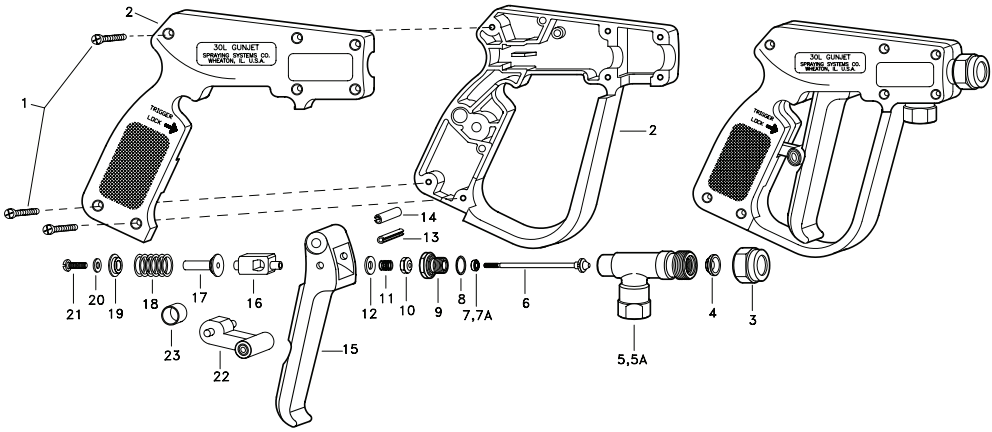
* Sub-assembly shown on following pages.

Spray Gun - GunJet AA30L

The gunjet trigger needs to be locked via the trigger lock when not in use to prevent the gunjet from spraying inadvertently.

No. AAB30L-¼, GunJet Spray Gun (BSPT Threads)

AB30L-Kit - Spare Parts Kit (Includes all items marked with * and item 7)

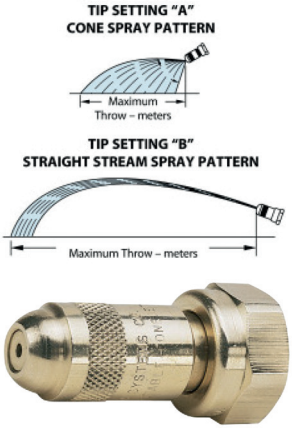


Pos.	Part No.	Description
1	CP17103-11/16-302SS	Screw, Type 302 Stainless Steel (7 Req'd)
2	GA5077414	Right and Left hand Housing Set, Nylon (Black)
3	GA5077610	Cap, Steel, Nickel Plated
4*	GA5077590	Valve Seat, Brass and Teflon
5	GA5077441	Inlet Body, Brass (For Model 30L-¼)
5A	CPB22136	Inlet Body, Brass (For Model B30L-¼)
6*	GA5077442	Stem Sub-Assembly, Brass and Type 302 SS
7	GA5077376	Cup Packing, Buna-N
7A	GA5077377	Cup Packing, Viton
8*	GA5077421	Gasket, Brass
9	GA5077420	Packing Screw, Brass
10	GA5077588	Stem Nut, SS
11	GA5077589	Trigger Stop Spring, Type 302 SS
12	CP7622-302SS	#6 Burr, Type 302 SS
13	GA5077407	Roll Pin, Type 420 SS
14	GA5077427	Roll Pin, Type 420 SS
15	CP17703-NY	Trigger, Nylon (Yellow)
16	GA5077419	Trigger Guide, Brass
17	GA5077423	Spring Guide, Brass
18*	GA5077443	Spring, Type 302 SS
19	GA5077424	Spring Retainer, Brass
20	GA5077426	Washer, Type 18-8 SS
21	GA5077425	Screw, Type 18-8 SS
22	GA5077417	Trigger Lock, Nylon (Yellow)
23	GA5077416	Lock Spring Ring, Celcon

Spray Gun - Nozzle

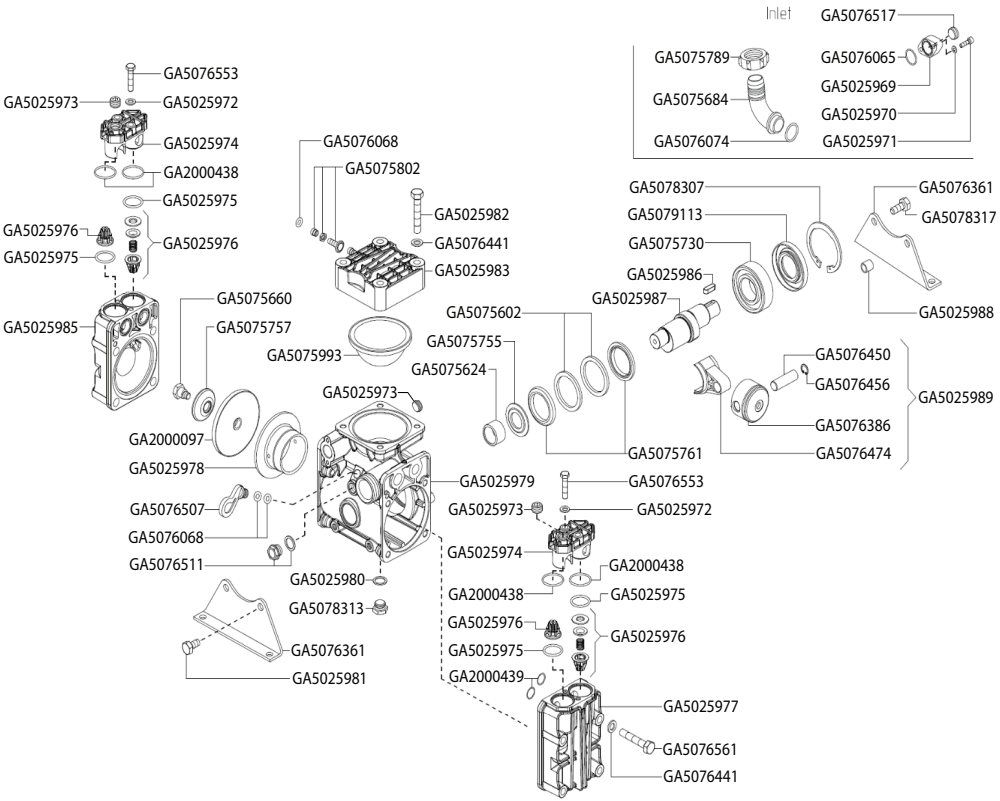
The adjustable brass ConeJet nozzle rotates through a half turn to provide spray selection from wide angle, finely atomized cone spray to a straight stream spray.

NOTE: Tip settings “A” and “B” represent two extreme points of rotation in tip adjustment.



Adjustable ConeJet Tip No.	Performance	Liquid Pressure (bar)							
		1.5		2		3		4	
		A	B	A	B	A	B	A	B
GA8100370 Standard	Capacity—l/min	0.79	2.61	0.98	3.18	1.14	3.67	1.40	4.54
	Spray angle °	71	-	75	-	77	-	78	-
	Max throw m	1.2	11.6	1.2	12.8	1.2	13.3	1.2	13.0
GA8100377	Capacity—l/min	0.98	3.14	1.21	3.79	1.40	4.54	1.70	5.30
	Spray angle °	71	-	75	-	78	-	79	-
	Max throw m	1.2	11.7	1.40	13.0	1.5	13.6	1.5	13.2
GA8100371	Capacity—l/min	1.17	3.71	1.40	4.54	1.63	5.30	2.01	6.43
	Spray angle °	72	-	76	-	78	-	79 -	
	Max throw m	1.4	11.6	1.5	13.1	1.5	13.7	1.7	13.3

Pump - Delta 40



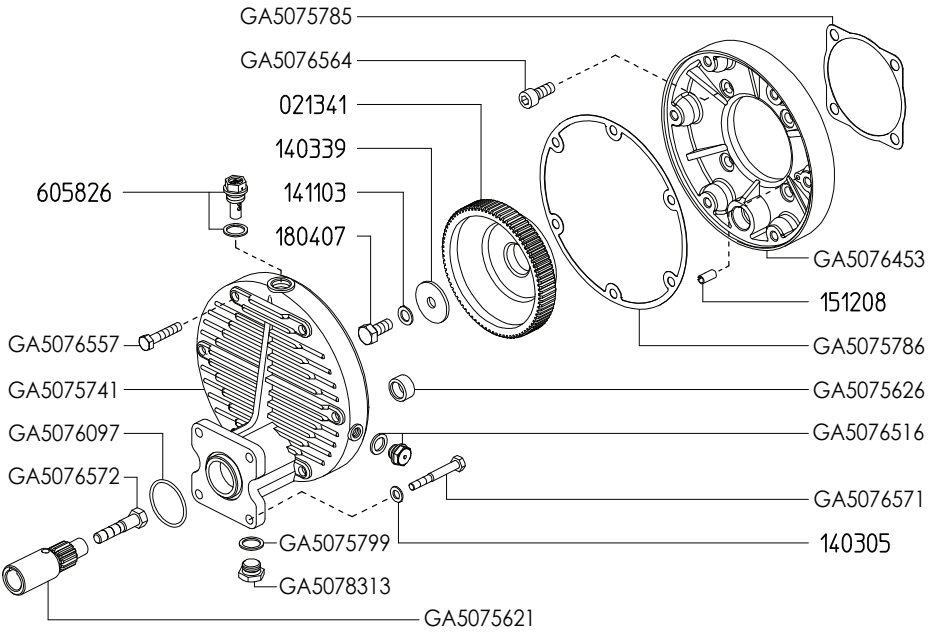
Part No.	Description
GA5072285	Pump, Delta 40 GR
GA5023870-SK	Diaphragm kit
GA5077781	Pump Repair kit, Delta 40, includes diaphragms seals & valves
GA5025973	Plug, 3/8”, Suit, UDOR, 160370

Continued over page

Pump - Delta 40

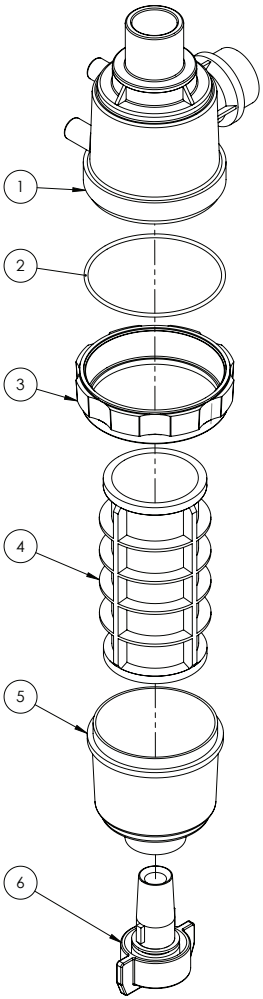
Part No.	Description
GA5025976	Valve Assy, UDOR, “KAPPA/DELTA”W/T O-Ring, 606304
GA5025975	O-Ring, D25.00, (RIF.4100), UDOR, 110131
GA5025985	Head, Right, Suit, UDOR, Delta, 40/75/100/125, 1604G1
GA5076553	Hex Screw M8x35 UNI5737, 180454
GA5025972	Washer, D8,4, UDOR, 140305
GA5025974	Cover, Delta, 40/75/100/125, UDOR, 021112
GA2000438	O-Ring, 29mm, Delta 40, 110195
GA5075660	Bolt, Suit pump diaphragm, Kappa / Zeta pumps, Udor, 010204
GA5075993	Diaphragm, Pump accumulator, Kappa / Zeta pumps, 090314
GA5025980	Gasket, D17, UDOR, 060543
GA5078313	Oil plug, 3/8”, Brass, Udor, 160364
GA5076361	Base Plate “Kappa 25/32/40/50”, 120202
GA5025981	Hex Screw, M10x20, UNI5739, Dacromet, UDOR, 180406
GA5025982	Hex Screw, M10x60, UNI5737, UDOR, 180445
GA5076441	Washer D10,5x18x2, 140309
GA5025983	Cover, Accumulator, “Delta 40/75”, UDOR, 020886
GA5075602	Retainer ring, ZETA 70 / KAPPA 40, 000106
GA5075755	Bearing Disc “Kappa 40/50/55/65”, 030130
GA5075624	Bushing D25x32x20 HK25-20, 000602
GA5025979	Crank Case, “DELTA 40/50”, UDOR, 0209D01
GA5025977	Head, Left, Suit, UDOR, Delta, 40/75/100/125, 1604G2
GA5075761	Rod Spacer “Kappa 40/50/55/65”, 030250
GA5025987	Shaft, GR, UDOR, 0002H3
GA5025986	Key Way, UDOR, 080102
GA5075730	Ball Bearing D35x72x17 6207, 021405
GA5079113	Seal, Shaft, Suit, UDOR, Zeta140, 000705
GA5078307	Snap Ring D72, 150607
GA5076074	O ring, 28.00 x 3.00, 110141
GA5075684	Hose barb, Elbow, 90 degree, Fly nut end x 32mm hose, Udor, 020252
GA5075789	Plastic Nut M42x2, 060418
GA5076517	PLUG G1/2, 160371
GA5076065	O-Ring D23,52x1,78 (rif.2093), 110110
GA5025969	Flange, Control, Remote, Suit, UDOR, Delta 40, 051909/051903
GA5025971	Allen Screw, M6 X 22, UNI5931, Dacromet, UDOR, 180553
GA5078317	Hex Screw M10x25 UNI5739, 180407
GA5025988	Spacer, UDOR, 030289
GA5076450	Pin D15x48, 150203
GA5076456	Snap Ring D15, 150615
GA5076386	Aluminium Plunger D55 “Kappa 25/43/55”, 120507
GA5076474	Connecting Rod, Zeta 70, Delta 40/50 151914, 151918
GA5025989	Rod Assy, “DELTA 40”, D55, UDOR, 601527

Gearbox



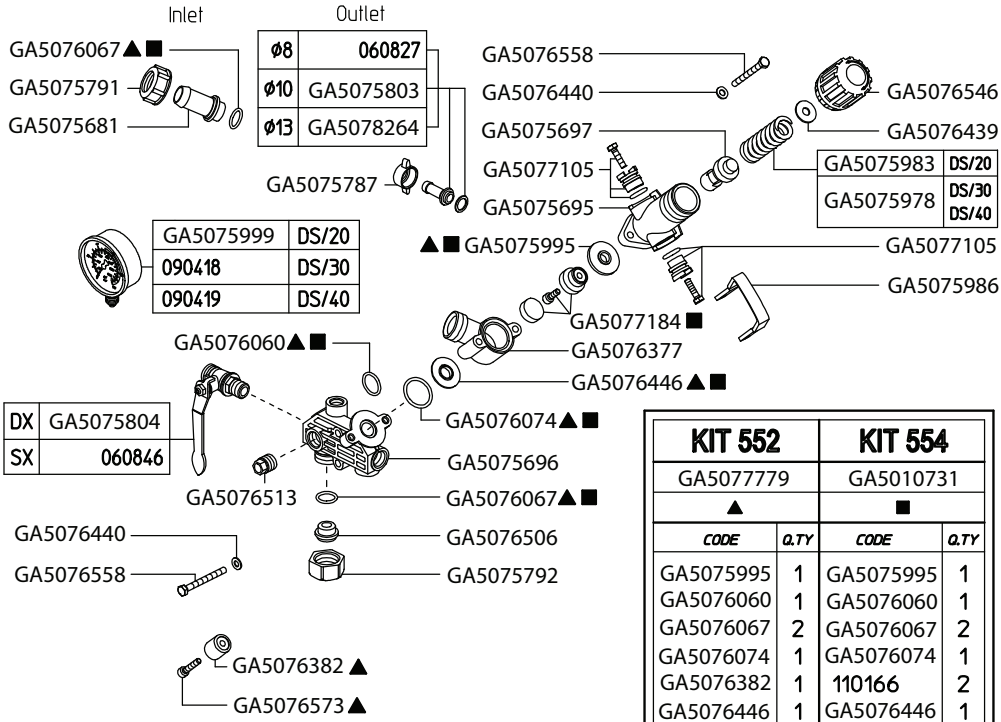
Part No.	Description
GA5072295	Reduction Gearbox, Ratio 6:1, S160-3/4 GR - Suit GX200
GA5076453	Gear body
GA5075786	Gasket, Coupler
GA5075626	Bushing
GA5076516	Oil plug + Gasket
GA5076571	Hex screw, Coupler
GA5075621	Gear shaft, motor to gear box, 3/4"
GA5075799	Gasket, Oil plug
GA5078313	Oil plug, 3/8”, Brass
GA5075785	Gasket, Pump side
GA5076564	Allen screw, M10 x 25
GA5076557	Bolt, M8 x 50
GA5075741	Coupler
GA5076097	O ring, 42.52 x 2.62 mm
GA5076572	Hex screw, Gear shaft

Suction Filter Assembly



Pos.	Part No.	Description	Qty.
-	GA2000106	Suction Filter, 1 1/2” 50 Mesh, 1 1/2” BSP Male Threads, Geoline	-
1	C00002018	Body, Suction filter, 1 1/2", Geoline, C00002018	1
2	GA5024275	O-ring, 5.34 x 94.62 mm, Suction filter, 1 1/2”, suits GA2000106	1
3	GA5024285	Nut, Suction filter, 1 1/2”, Geoline	1
4	GA5024295	Filter Screen, 50 Mesh, Dia 79 x 167 mm length, Suit Geoline Filter GA2000106, O-rings GA5024290 are not included.	1
	GA5024290	O-ring, Suit filter mesh	2
5	C00201009	Bowl, Suction filter, 1 1/2”, Geoline, C00201009	1
6	K00100001	Drain plug, Suction filter, 1 1/2”, Geoline, K00100001	1

Pressure Control Unit



KIT 552		KIT 554	
GA5077779		GA5010731	
▲		■	
CODE	Q.TY	CODE	Q.TY
GA5075995	1	GA5075995	1
GA5076060	1	GA5076060	1
GA5076067	2	GA5076067	2
GA5076074	1	GA5076074	1
GA5076382	1	110166	2
GA5076446	1	GA5076446	1
GA5076573	1	GA5077184	1

Part No.	Description
GA5077650	Pressure control unit, valve, DS3, 3 section, 30 Bar, Udor
GA5077088	Pressure control valve, DS3/20
GA5077779	Repair kit, DS2 DS3 controller, KIT552
GA5077780	Repair kit, DS2 DS3 controller, KIT554

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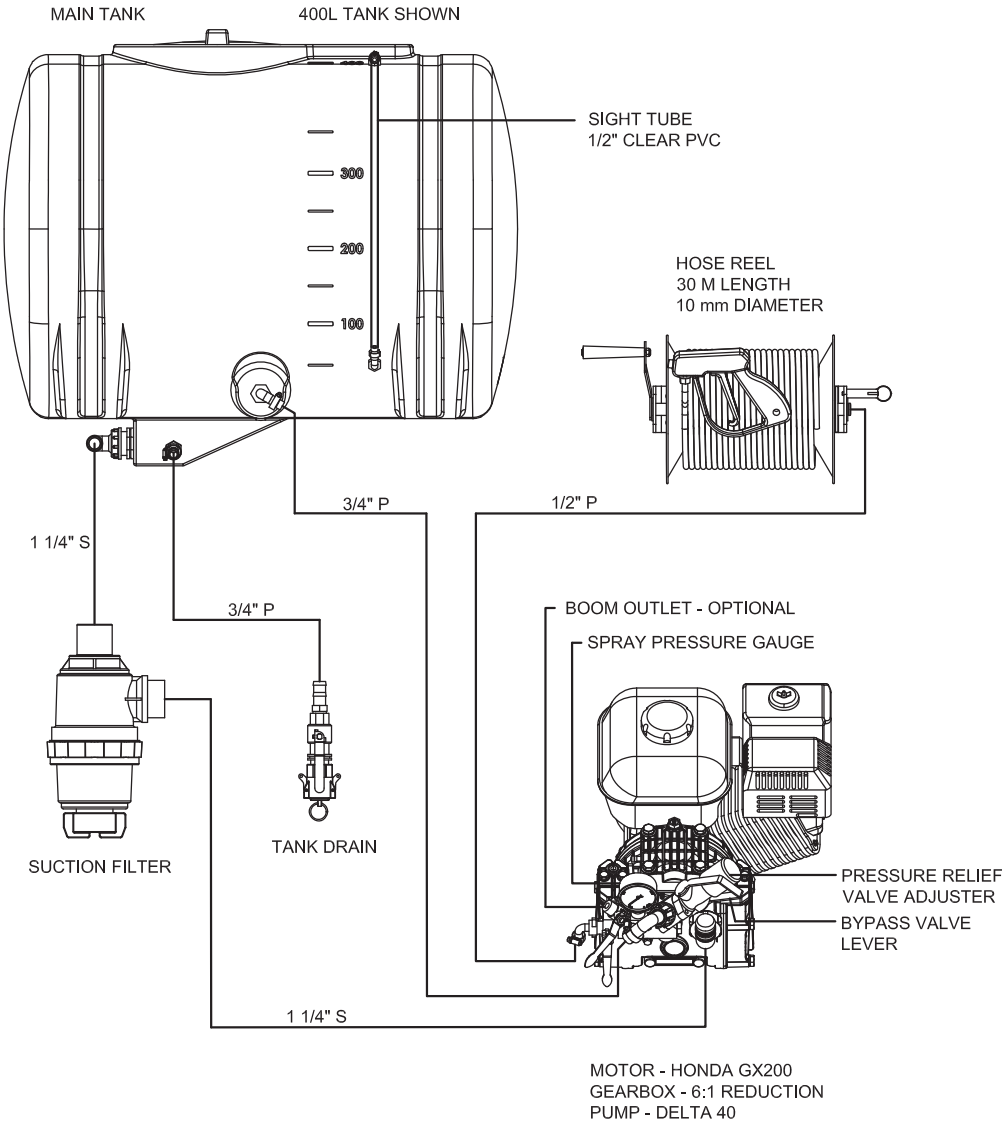
Pressure Control Unit

Part No.	Description
GA5075681	Hose Barb D20
GA5075695	Regulator Valve Body
GA5075696	Control Body
GA5075697	Cylinder
GA5075787	Nut, 1/2”, Brass with tabs
GA5075791	Fly nut, M30
GA5075792	Nut, Plastic, 3/4"
GA5075803	Hose Barb D10+Gasket
GA5075804	Ball Valve Right
GA5075978	Press. Spring
GA5075983	Spring, Compression
GA5075986	Regulator Handle
GA5075995	Diaphragm, Diameter 36 mm, Control unit flow control
GA5075999	Pressure Gauge, 20 Bar
GA5076060	O ring, 20.63 x 2.62 mm
GA5076067	O ring, 17.13 x 2.62 mm
GA5076377	Elbow
GA5076382	Poppet
GA5076439	Washer, 8.5 ID x 24 OD x 2 mm
GA5076440	Washer D6,4X12X1,6
GA5076446	Valve seat
GA5076506	Plug
GA5076513	Plug G3/8
GA5076546	Adjuster knob, Green
GA5076558	Hex Screw M6X60 UNI5737
GA5076573	Allen Screw M6X30 UNI5931
GA5077105	Regulator Cylinder Kit
GA5077184	Regulator Valve Repair Kit
GA5078264	Hose Barb D13+Gasket

Plumbing Schematic



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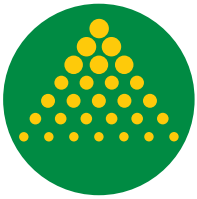

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