UTV SLIP-ON STEAMER INSTRUCTION MANUAL

greenPRO
WHERE THE GRASS IS GREENER

AUSTRALIAN MADE AUSTRALIAN OWNED

PROUDLY AUSTRALIAN OWNED & OPERATED

A DIVISION OF QUIKCORP

WARNING

READ THIS INSTRUCTION MANUAL CAREFULLY
BEFORE ATTEMPTING TO OPERATE THE UNIT

No part of this manual may be reproduced without written permission.

All information in this manual is based on the latest product information available at the time of printing.

ADDRESS

GREENPRO
37 Production Avenue,
Warana 4575 QLD
Australia

PHONE & FAX

Free Toll: 1800 768 748
Phone: 07 5493 8944

ONLINE

Email: info@greenpro.com.au
Website: www.greenpro.com.au

Greenpro Australia Pty Ltd
UTV Slip-On Steamer
Instructions and Guidelines
Updated: May 2020

Original Instruction
All information, illustrations and specifications in this manual are based on the latest information at the time of publication.
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Client Implement Division
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Previous Editions
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CONGRATULATIONS, YOU'RE A PRO.

On behalf of greenPRO we would like to thank you for investing in the greenPRO UTV Steamer. Every greenPRO implement is manufactured to meet our high standards, so that we can provide our owners with the best product and service possible. As an Australian owned business, your investment has enabled our every success.

greenPRO, as a division of Quik Corp, has over two decades of experience manufacturing premium agricultural equipment. Since we started in 1988, our product range has continually expanded and our innovation sparks from the passion and commitment we have for the agricultural industry.

Over 30 years of active involvement in this community has allowed our team to provide solutions to combat challenges that Australian farmers face in agriculture today.

We appreciate your patronage and wish you many years of safe and satisfied use of your implement.

This manual should be considered a permanent part of your greenPRO UTV Steamer and stored in a safe place for future reference.

greenPRO com.au

UTV SLIP-ON STEAMER INSTRUCTION MANUAL

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1 SAFETY PRECAUTIONS

WARNING

READ THIS INSTRUCTION MANUAL CAREFULLY BEFORE ATTEMPTING TO OPERATE THE UNIT

Be cautious of the dangers of loading your UTV or other vehicle in excess of its carrying capacity. It is important to undertand that any loads or attachments, whether fastened or placed on the vehicle will alter the stability and handling characteristics of the vehicle.

- Never exceed the load limit capacity of the UTV or vehicle.
- Filling the tray may exceed the maximum load capacity and it is not recommended to exceed manufacturers guidelines.
- Ensure attachments are securely attached.
- Proper maintenance in line with manufacturers specifications is essential to the operation of your equipment.
- Do not overload your trailer.
- If operating over hilly terrain, the payload should be reduced to ensure that the vehicle stability is not compromised.

1 SAFETY PRECAUTIONS

WARNING

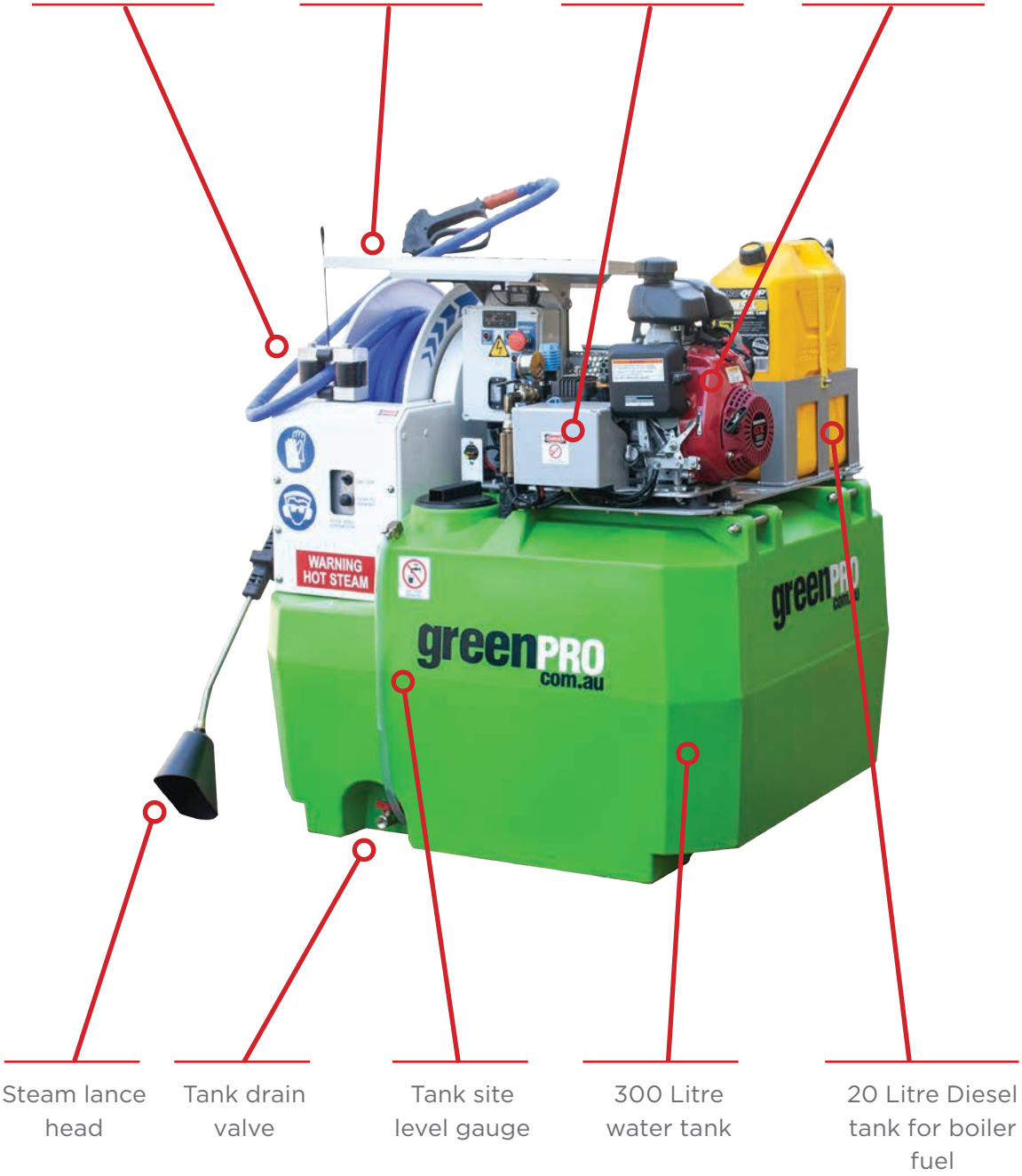
This steam unit operates at extreme temperatures and can project steam and hot scalding water from the lance. Never aim the lance at people or animals. Exercise extreme caution at all times. Wear PPE gear, gloves, goggles and hearing protection. Be aware of your surroundings at all times.

WARNING

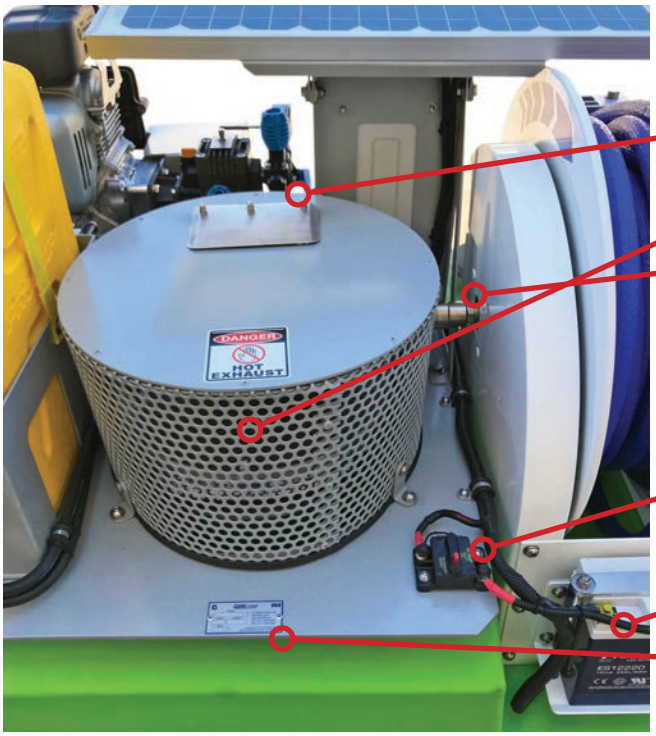
PLEASE FOLLOW ALL WARNINGS AS FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY, PERMANENT INJURY OR DEATH.

1. DO NOT operate the unit until you have read this manual carefully.
2. DO NOT let any person near the unit while it is running.
3. DO NOT start engine with pressure lever in the “PRESS”position.
4. DO NOT pull the hose out too fast as the reel may run on, causing the hose to become entangled.
5. DO NOT alter the equipment in any manner. Only use genuine factory parts if repairs are necessary.
6. DO NOT leave the unit running unattended at any time.
7. DO NOT operate the unit if there are any leaks from hoses or fittings. Fluids which are under high pressure can penetrate the skin.
8. DO NOT operate near power lines, as contact could result in electrocution.
9. DO NOT refuel the engine until it has stopped. If there is fuel spillage during refilling, make sure the area is dry before starting the engine.
10. Operation of the steam unit carries inherent risks and potential for injury or error. This work must be undertaken by a person who has suitable experience and the skills required to complete this task.
11. Ensure any person/s operating this unit use relevant PPE gear at all times (Safety glasses, heat resistant gloves, work boots)
12. Please be aware that when unit is operating, reel, hoses, motor exhausts, lance and boiler all become extremely hot.

2 SYSTEM OVERVIEW



2 SYSTEM OVERVIEW



Boiler exhaust flap port and heat protection shroud

Reel swivel 3/8”

30 amp resettable circuit breaker

12-volt battery

ID plate with model number, serial number and build date

Boiler control panel resettable fuses

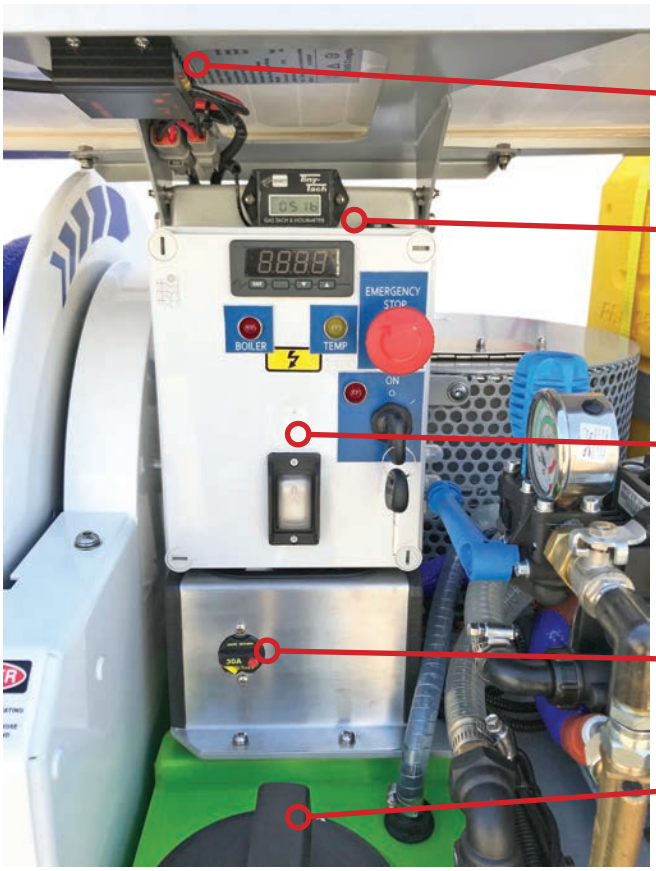
Water filter 1/2”

Lifting and tie down strapping points

Quik Connect and disconnect diesel fuel hoses for remote filling 20L diesel tank

Diesel fuel filter

2 SYSTEM OVERVIEW



20-watt solar panel controller

Honda motor tachometer

Boiler control panel with ON/OFF switch
Key Power
Temperature reading panel
Boiler operation light
Temperature light
Emergency cut-off button

Resettable circuit breaker

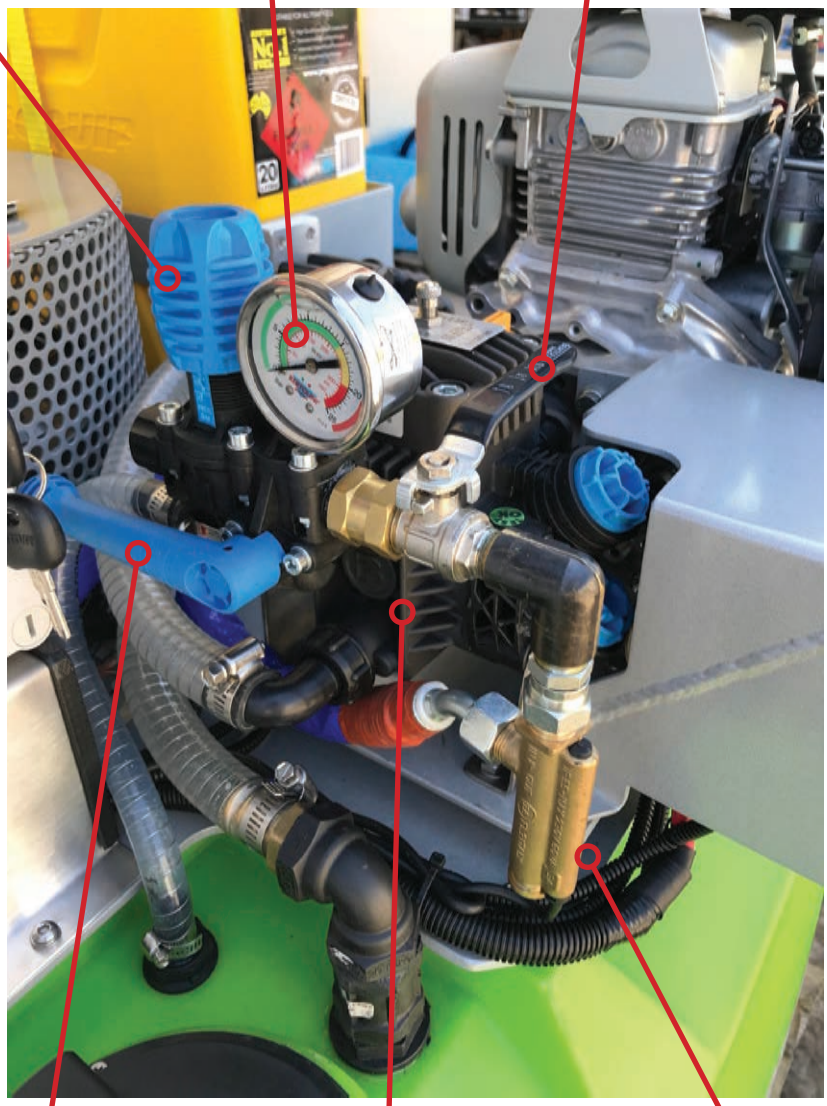
Tank lid for water tank filling

2 SYSTEM OVERVIEW

Pressure control adjustment knob

Pressure gauge

Ball valve for cold water flow to boiler



BYPASS to PRESS lever

Bertolini Strip DT4 “Q” pump 5/8”. Max PIS 290, Litre per minute 15-18. Oil SAE30

Electronic flow switch. Boiler cuts off if flow is below 5L per minute

2 SYSTEM OVERVIEW

Honda GX100 petrol fuel tank and fill lid

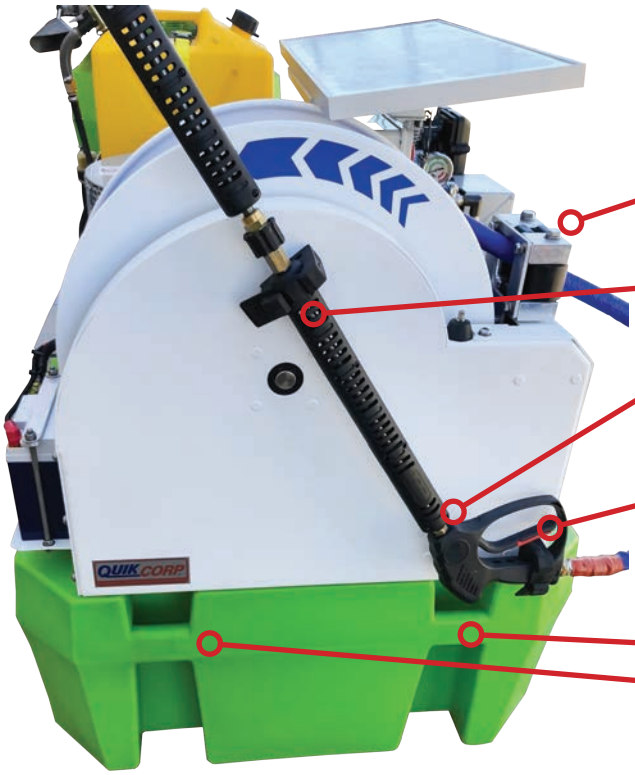
Honda ON and kill switch

Honda choke lever

Honda fuel switch

Revs adjustment lever

Pull start cord



Reel hose guide roller head assembly

Quik Fist steam lance gun holders and steam lance

Trigger on steam lance for flow operation

Lifting and strap down points

3 PRE-OPERATION CHECK

PRE-OPERATION CHECKLIST

Prior to operating your unit, please read the following instructions carefully.

1. Lance or nozzle is connected correctly and water tight.
2. Check tank water level and fill if required.
3. Check the diesel level for boiler. Fill if required.
4. Check unleaded fuel in Honda engine. Fill if required.
5. Check oil level in Honda engine. Refer to your Honda engine manual.
6. Check oil level in Bertolini pump. Refer to your Bertolini pump manual.
7. Start engine. See engine manual.
8. Adjust engine revs to approximately 2800RPM.

1

Remove the packing material from your unit and connect to your UTV.

2

Locate the pack which contains gloves, aerial, transmitter and your Honda, Bertolini, Boiler and Tacho manual documentation. Please read this information throughly prior to operation.

4 BASIC OPERATION

1

Ensure the 20L Diesel Jerry can for the boiler is filled.

Fill the water tank.

2

Fill the Honda fuel tank with Unleaded fuel.

3

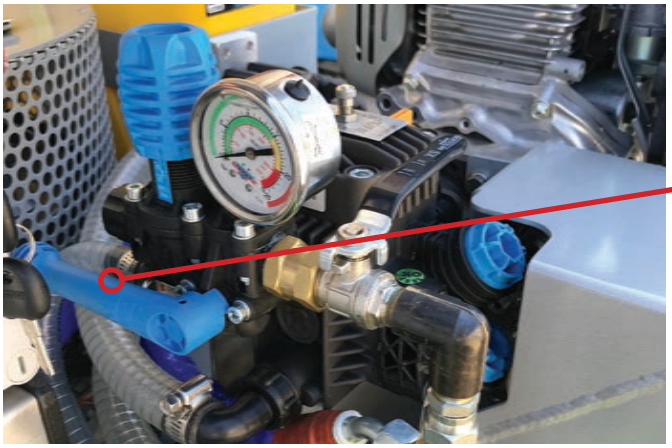
At the pump control panel, turn the emergency stop button clockwise to ensure the button is raised in the operation position (pulled OUT).

Turn the ignition key switch to the ON position.

4 BASIC OPERATION

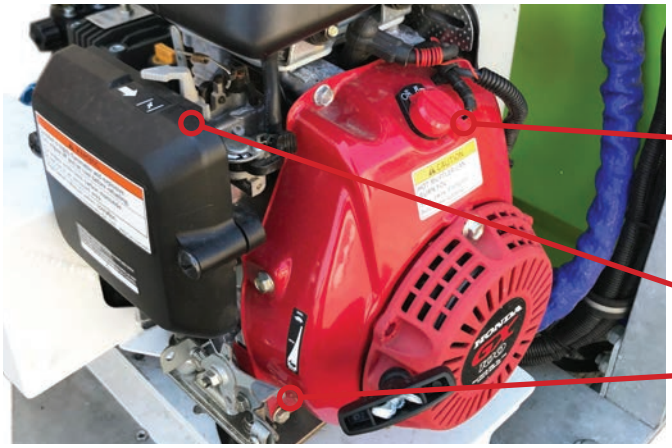
4

Switch the boiler control unit ON. The red boiler light will illuminate. Temperature is pre-set by the factory. If required, you can set the temperature to approximately 150 Degrees C, by using the +/- buttons under the digital temperature reading. At the pump control panel, the red warning light LED should illuminate, alerting the operator that the Boiler is turned ON.



5

Ensure the blue Pressure controller lever is in the Bypass position.



6

Switch ON Honda fuel at motor.

Ensure Honda ingnition switch is in the On position.

Switch on Honda Choke.

Adjust Throttle.

4 BASIC OPERATION

7

Turn the key ignition switch on the control panel to the ON position.

Pull start the motor, turn off choke and adjust throttle to 2800 RPM on Tacho.

8

Turn water to reel supply ON. This is the cold water boiler feed.

9

Move the pressure regulator lever to the PRESS position.

Adjust water perssure to 150 PSI.

4 BASIC OPERATION

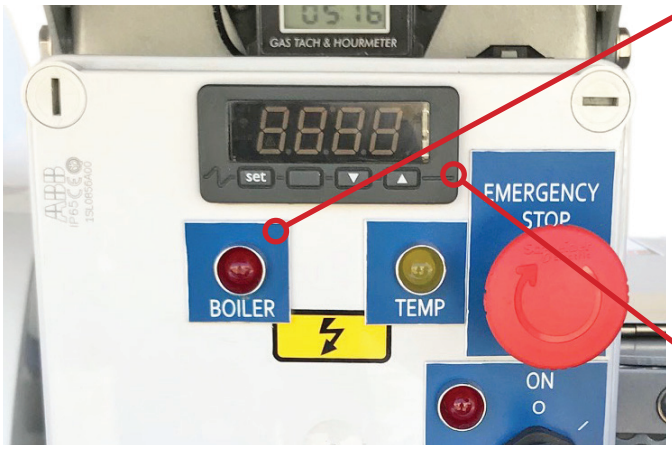
10

Aim the lance downwards and away from yourself, other people and animals.

Pull the trigger on the steam lance to enable the water to pass through the unit to commence heating.

The boiler will not heat without water flow. From cold, the unit will take approximately 3 minutes to reach temperature for steam.

11



The boiler light will illuminate when the boiler is heating.

When the unit is producing steam, proceed with use.

If the temperature light illuminates, the steam unit has exceeded the set temperature. The boiler will turn OFF until the temperature falls.

During this time the unit will only produce hot water, not steam. You can monitor the temperature on the digital display.

WARNING

In an EMERGENCY, the steam unit and Honda engine can be stopped by pressing the EMERGENCY STOP button on the pump control panel.

5 HOSE REEL OPERATION

UNWINDING THE HOSE

Pull the hose reel to unspool as required.

NOTE: Do not unspool the hose too fast or it could over-run, causing damage or tangling of the hose

REWIND USING SWITCH

1. Push the hose reel switch downwards to turn ON the hose reel and push the button to rewind the hose.
2. When the hose is within 1 metre of being rewound, release the button and finish rewinding manually

REMOTE CONTROLLED RETRACTION

1. Push the Hose Reel Switch downward to activate the wireless receiver and turn ON. Toggle switch will remain in this position until turned OFF.
2. Press button on Hose Reel Remote to rewind the hose.
3. When hose is within 1 metre of being rewound, release the button and finish rewinding manually.
4. Turn the Hose Reel Switch to the OFF position to prevent the battery from losing charge.

6 SHUT DOWN PROCEDURE

1

Switch OFF the steam unit engine.

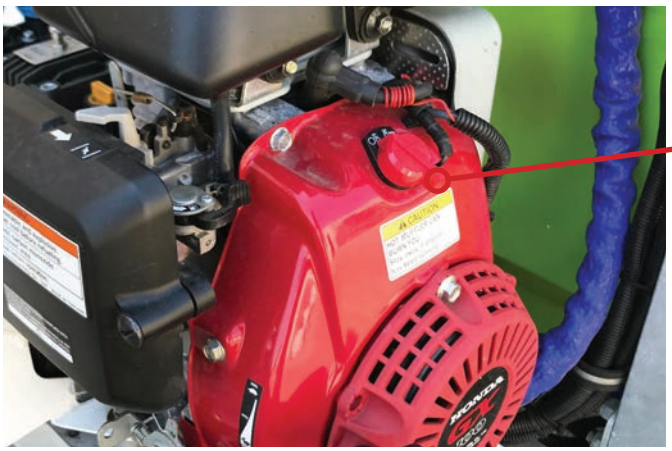
Engage the trigger on the lance until the temperature readout on the digital display shows approximately 50° C.

2

Set the pressure controller lever to the BYPASS position.

Reduce the Honda engine to idle.

Engage the trigger on the steam lance again to release any pressure left in the hose line.



3

Turn off Honda engine by turnining the kill switch to OFF.

7 ELECTRICAL

BATTERY + CHARGING SYSTEM

The ATV steamer has an 85-amp hour battery. The Honda GX100 engine drive and alternator to supply the steam unit with enough current to run the electrical board and keep the battery maintained. While the unit is not being used 1 x 20-watt solar panel, mounted to the top of the unit, provides charge to the battery via a solar mounted regulator mounted under the solar panel. This is to maintain the battery in a state of readiness.

If the unit is stored inside for long periods, the battery will need to be recharged using a battery charger or trickle charger (not supplied).

Good voltage supply is critical to the operation of the steam unit.

CIRCUIT PROTECTION

The alternator is protected by a 60-amp circuit breaker and the pump control panel is protected by a 10-amp circuit breaker. All breakers are re-settable.

8 SPECIFICATIONS

UTV SLIP-ON UNIT	DETAILS
MOTOR	Honda GX100. Unleaded fuel
PUMP	Bertolini Strip pump DT4 “Q” Max pressure: 290 PSI with 15-18 L per minute flow Rate, Oil SAE 30
BOILER	Steam Boiler SS 8L/Min 20Bar 12VDC. Diesel Fuel, 20 Litre external Diesel tank
WATER TANK	300 litres
ELECTRICITY	12-volt
RADIO FREQUENCY	915 MHz
DIMENSIONS	1120L x 920W x 1150H Dry weight: 223kg

9 YOUR NOTES

10 WARRANTY POLICY

This document sets out the warranties that are given by Quik Corp Pty Ltd (ABN 18 081 235 556) in relation to any greenPRO product purchased from or manufactured by Quik Corp.

1. DEFINITIONS

1.1. In this warranty policy:

"Quik Corp" means Quik Corp Pty Ltd (ABN 18 081 235 556); "Customer" means the party who originally acquired the Product from Quik Corp, or an authorized distributor, reseller or dealer for Quik Corp, for their own use.

"OEM Equipment" means the items of equipment fitted to the product by Quik Corp and which items have been manufactured by others and have their own manufacturer's warranty.

"Product" means the goods or machinery that the Customer acquired
and which were manufactured by Quik Corp.

2. WARRANTY

2.1. Subject to clause 3 and clause 4, Quik Corp warrants to the Customer that the Product will be free from proven defects in material and workmanship for twelve months from the date of purchase by the Customer, unless a specific warranty period applies to a component listed in appendix A.

2.2. The warranty is not transferable.

3. LIMITATIONS

3.1. This warranty does not cover damages resulting from shipping and handling, abuse, accidents, alterations, normal wear or failure to maintain or use the Quik Corp product with due care.

3.2. Quik Corp does not warrant that the operation of the product will be uninterrupted or error free. The Customer must read and follow all instructions and manuals for the setup, maintenance and use of the Product. If the Customer fails to do so, the product may not function correctly and may suffer other damage.

3.3. This warranty does not extend to OEM equipment which has its own warrant and the Customer must rely on the OEM equipment warranty for any defects in material or workmanship relating to the OEM equipment.

3.4. This warranty does not extend to cover corrosion due to any cause nor to any damage to painted or anodised surfaces that occurs after the Customer takes delivery of the product.

3.5. This warranty does not cover time required to diagnose a warranty problem

3.6. The use of parts other than Quik Corp parts for repair of warranted items will automatically negate any warranty. Warranted components must be replaced with genuine Quik Corp parts.

3.7. Repairs by an unauthorised agent will automatically forfeit any warranty. Warranty repairs must be carried out by Quik Corp or an authorised Quik Corp Dealer/Service Agent only.

3.8. This warranty does not cover transportation or insurance costs for Products needing repair or replacement of warranted components. Nor does it cover any freight or insurance costs in obtaining new parts or returning old parts to Quik Corp for inspection purposes.

3.9. The time taken to remove and re-install a warranted part or component into other brands of equipment will not be covered by the Quik Corp warranty. Only parts and labour directly attributable to the repair of the Quik Corp unit is covered.

3.10. Quik Corp does not pay for cleaning, or clean the Product, accessories or work area before or after the warranty repair.

3.11. Quik Corp assumes no responsibility for improper choice of models or where products are used in excess of rated capacities and design functions, or under abnormal conditions. We make available a free technical service to help with any product selection, application or situation.

4. REPAIR OR REPLACE

4.1. During the warranty period, Quik Corp or its authorised Dealer/Service Agent shall repair or replace, at Quik Corp's discretion, without charge for parts and standard labour, any part of the Quik Corp Product which fails because of defects in material or workmanship unless the damage arises from:

4.1.1. Failure resulting from neglect or misuse, such as improper operation, lack of required maintenance or continued use of the Product after the discovery of a defect which results in greater damage to the Product;

4.1.2. Deteriorated or failed components such as but not limited to diaphragms, O-rings, hoses, seals, electrical wiring and connections damaged by corrosive chemicals, dirt and sand, excessive heat or moisture. The Customer should ensure the type and strength of chemicals used in the Product are compatible with the design of the Product;

4.1.3. The use of accessories, hardware, or software which were not manufactured by, installed by or approved in writing by Quik Corp;

4.1.4. The use of consumable items such as but not limited to oils, lubricants, diaphragms, O-rings, hoses seals, gaskets, filter elements, flow meters, clutches, drive belts, pivot pins, paint, batteries, radio transmitters, radio relays, push buttons, switches, hose rollers, aerials, spray guns and nozzles as these items are considered to be normal wear items and are not warranted;

4.1.5. Component failure caused by not performing scheduled maintenance service such as oils, grease, failure to clean tanks, pumps, filters, spray lines, nozzles or any other components and not tightening or replacing loose or missing bolts, nuts, fittings, shields and covers

4.1.6. Damage or machine failure caused by carelessness or accidental damage, improper operation, inappropriate transportation or storage of the Product

4.1.7. Any contamination or leakages caused or induced by the Customer

4.1.8. Any use or operation of the Product outside the physical, electrical or environmental specifications of the Product

4.1.9. Any alterations, modifications, attachments or unauthorised repairs to the Product which have not been authorised in writing by Quik Corp; and

4.1.10. Failures due to faulty or inadequate electrical sources of power

5. OEM WARRANTIES

5.1. All OEM (Original Equipment Manufacturer) components are covered by the Original Manufacturer's Warranty. It is the Customer's responsibility to familiarise themselves with these warranties, and subject to clause 7, that is the only warranty given to the customer in respect of that part of the Product.

6. STATUTORY RIGHTS AND EXCLUSIONS (NEW ZEALAND ONLY)

6.1. If the Product has been acquired for the purposes of a business then pursuant to section 43(2) of the Consumer Guarantees Act 1993 ("CGA") it is agreed that the provisions of the CGA do not apply. To the fullest extent permitted by law in New Zealand, Quik Corp excludes any liability for any direct or indirect loss or damage of any kind arising from the Product, including consequential loss or damage or loss of profits, and loss or damage arising from the negligence of Quik Corp's employees and agents. The warranty is personal to the Customer and cannot be transferred to a subsequent purchaser (although the purchaser, in some circumstances, may have rights under the CGA or the Sale of Goods Act). These exclusions do not exclude Quik Corp's liability in respect of any warranties or guarantees implied by any relevant legislation in New Zealand which cannot legally be contracted out of.

7. WARRANTY CLAIM PROCEDURE

7.1. To obtain warranty service:

7.1.2. The Customer must read the Operating manual before operating the Product; The Customer must provide with notice of the defect Quik Corp within the warranty period and within 14 days of discovery of the claimed problem, and allow reasonable time for replacement or repair.

7.2. Quik Corp may, at its discretion, request the Customer to deliver the alleged defective parts to an authorised servicing Dealer/Service Agent or to Quik Corp. Transportation of the Product to the authorised servicing Dealer/Service Agent or Quik Corp for warranty work is the responsibility of the Customer and is at the Customer's expense. Alternatively, the Customer may request a Quik Corp service technician to travel to the site of the Product to effect repairs or replacement, however the reasonable travel costs (including travelling time) of the service technician must be paid for by the Customer.

7.3. Any service outside the scope of this warranty will be charged for at Quik Corp's rates and terms then in effect.

8. OTHER

8.1. This warranty is in lieu of all other warranties (except those of title), expressed or implied, and there are no warranties of merchantability or fitness for a particular purpose.

8.2. Unless the Product has been purchased for personal, domestic or household use, any liability of Quik Corp to the Customer arising under statute which may not be excluded restricted or modified by agreement in limited to an amount equal to, as determined by Quik Corp:

8.2.1. Replacement of the Product or supply of equivalent Product;

8.2.2. The repair of the Product;

8.2.3. The payment of the cost of replacing or repairing the Product;or

8.2.4. Refund of the purchase price paid by the Customer.

8.3. Subject to clause 7.2, in no event shall Quik Corp or the authorised Dealer/Service Agent be liable for any loss of profit or any consequential, indirect or special loss, damage or injury of any kind whatsoever arising directly or indirectly from the Product or any defect.

8.4. The benefits under this Warranty are in addition to other rights and remedies under a law in relation to the Product.

8.5. The judgement of Quik Corp in all cases of claims under this warranty shall be final and conclusive and the Customer agrees to accept its decisions on all questions as to defect, repair and to the exchange of any part or parts.

APPENDIX A:

1. Bertolini Pumps – Warranty period is 6 months. If Quik Flush pump and tank cleaner is used from new then the warranty period is extended to 18 months.

2. Honda Motors – Refer to your Honda Manual. (Warranty period is up to 3 years)

3. Radio Receiver – Warranty period is 5 years on all non-moving parts.

WARRANTY REGISTRATION FORM

THIS FORM MUST BE COMPLETED AND RETURNED WITHIN 14 DAYS OF RECEIVING PRODUCT DELIVERY:

greenPRO
37 PRODUCTION AVE
WARANA QLD 4575

ONLY WHEN THIS REGISTRATION FORM IS COMPLETED AND RETURNED CAN GREENPRO FULFILL ALL WARRANTY OBLIGATIONS

PRODUCT INFORMATION

greenPRO Model/Type: _____

Serial Number: _____

Dealer Name (if applicable): _____

Purchase Date: _____

PURCHASER DETAILS

Company Name: _____

Title (Mr/Mrs/Ms): _____ Surname: _____

Given Name: _____

Postal Address: _____

Town: _____ State: _____ Post Code: _____

Telephone: _____ Fax: _____

Email: _____

AFFIX
STAMP

GREENPRO
WARRANTY DIVISION
37 PRODUCTION AVENUE
WARANA QLD 4575
AUSTRALIA

FOLD HERE AND SEAL AT TOP FOR RETUNING BY POST

A SHORT SUMMARY

greenPRO are proudly Australian made and owned, and are a division of Quik Corp, a company with over 30 years' experience in the manufacture of premium agricultural implements.

All greenPRO implements are constructed with the highest quality, hardy materials ensuring maximum durability for use in unforgiving terrain and environments.

With over 30 years' experience, our team continue to deliver innovative solutions that provide people with durable, reliable, multifunctional and affordable implements.

CONTACT

For further information please contact:

Solutions Specialist Team

info@greenpro.com.au

+647 5493 8944

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GREENPRO.COM.AU
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ADDRESS

GREENPRO
37 Production Avenue
Warana 4575 QLD
Australia

PHONE & FAX

Free Toll: 1800 768 748
Phone: 07 5493 8944

ONLINE

Email: info@greenpro.com.au
Website: www.greenpro.com.au

greenPRO Australia Pty Ltd
UTV Slip-on Steamer
Instructions and Guidelines
Updated: May 2020