

QUIK CORP®

INSTRUCTION MANUAL

UTV200/300



Proudly Australian Made & Owned

MANUFACTURERS OF

QUIK SPRAY

QUIK CORP
FIRE ENGINEERING

QUIK CORP
ECOSMART

Spray MAX

www.quikcorp.com.au



CONGRATULATIONS

QUIK CORP would like to thank you for investing in a remote control retractable hose reel spraying system.

Our units are manufactured to the highest standard of quality to give our customers the best product and service possible.

This manual should be considered a permanent part of your Quik Corp Unit and should remain with it at all times.

This manual covers the Operation and Maintenance of the Model UTV200/300

IMPORTANT

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.

***PLEASE KEEP THIS MANUAL WITH YOUR QUIK SPRAY
SPRAYING SYSTEM AT ALL TIMES FOR QUICK
INFORMATION & TECHNICAL REFERENCE!***

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Unpacking

When unpacking your new Quik Corp Quik Spray unit check thoroughly for any transport damage, and that all parts, accessories, and extra options ordered have been included.

1. Aerial
2. Transmitter
3. Instruction Manuals (Honda, Bertolini, Quik Corp)
4. All accessories as ordered

WARNING: READ THIS MANUAL, MOTOR MANUAL, AND PUMP MANUAL CAREFULLY AND IN ITS ENTIRETY BEFORE USING THIS UNIT.

This manual is the manual for your new UTV200/300 Quik Spray unit. Please refer to your Bertolini PA430 pump manual and 5.5 HP Honda GX 160 manual for information on the pump and motor of this unit.

Set Up

1. Mount the machine securely by strapping down the system on both sides through the tank rails located on each side. Ensure minimum of 50mm clearance from all sides to prevent damage.
2. Fit the aerial to the aerial mounting base.

CAUTION VERY IMPORTANT: Do not over-tighten the aerial to aerial base. Finger tight and a nip more is all it needs to be attached properly. Any more than this will cause the coax cable to break in the solder cap of the aerial base severing the connection to the aerial. The result of this will be a radio range of only 20-40 meters rendering the aerial incapable of receiving a signal.

3. Connect the 2 core flex wire supplied to a 12 volt battery with in-line fuse fitted in the red positive wire. The 2 pin plug can be fitted between the unit and vehicle for ease of removal. **CAUTION**: Make sure that the twin core flex is securely mounted so that it is not able to rub on any moving parts of machine or vehicle.

Pre-Operation Check

1. Spray gun connected and water tight
2. Fuel in motor (unleaded)
3. Correct oil level in pump (Bertolini pump manual)
4. Correct oil level in motor (Honda motor manual)
5. Pressure lever in bypass position
6. All safety guards and shields in place
7. All nuts, bolts, and screws are in place and tight
8. Radio on/off switch in the off position.
9. Make sure that the unit is in an open space (exhaust gas is poisonous)
10. Start engine (see engine manual)
11. Adjust engine revs to approximately 2400 rpm or $\frac{3}{4}$ revs.

CAUTION: Children, livestock, and pets must be kept away from the area of operation.

CAUTION: Know how to stop the engine quickly.

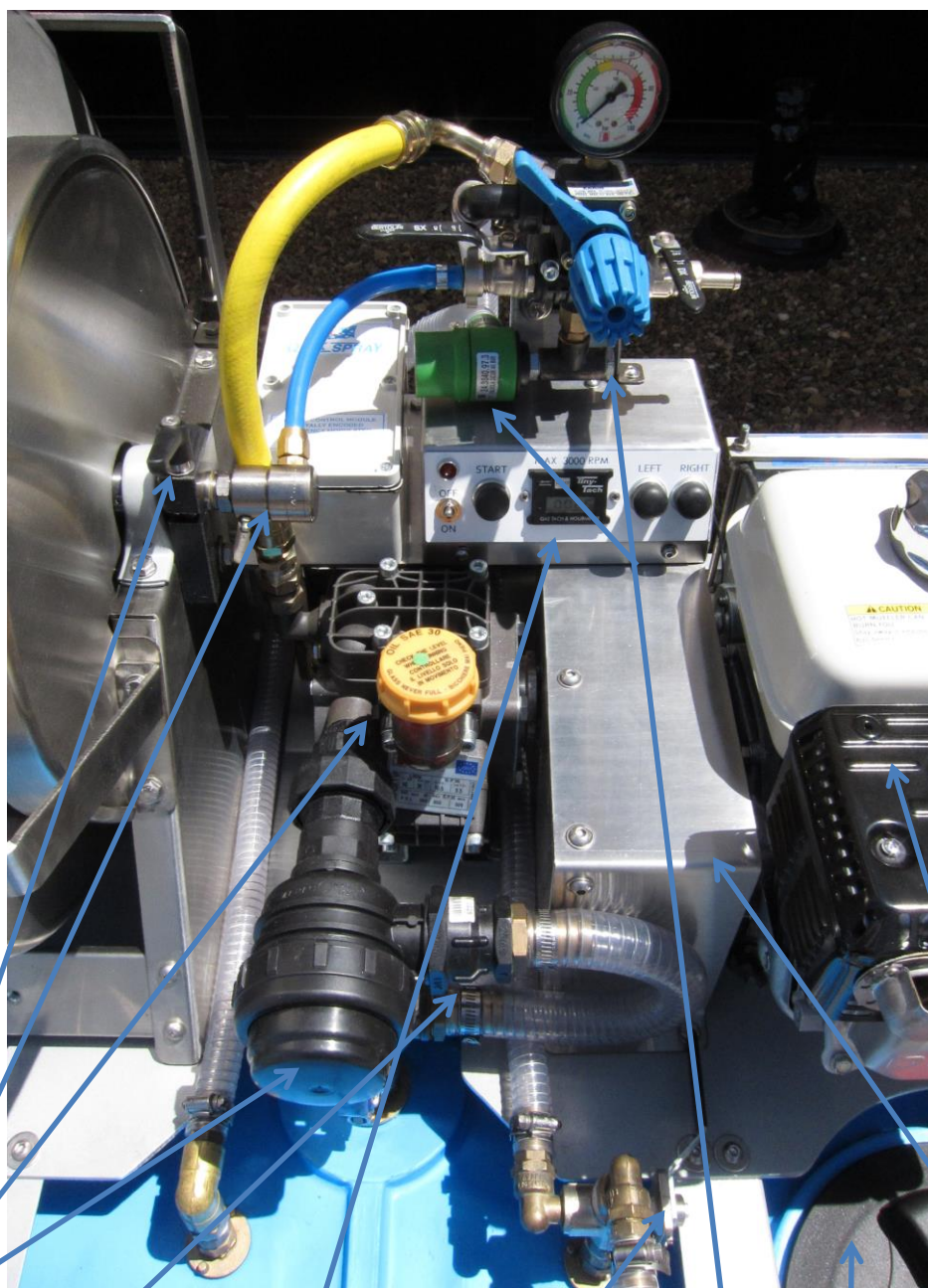
CAUTION: Make sure the fuel cap is closed securely.

Safety First

IMPORTANT: Heed all these warnings as failure to do so may result in serious injury, permanent injury or death.

1. **DO NOT** let any person near the unit while it is operating.
2. **DO NOT** start the unit until you have read this manual carefully.
3. **DO NOT** start motor 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. If repairs are necessary use only genuine factory repair parts.
6. **DO NOT** leave the unit running unattended at any time.
7. **DO NOT** operate the unit if there are any leaks from hoses, fittings, ECT. 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 and, if any fuel is spilled, make sure the area is dry before starting the engine.

Main System Simple Overview



Reel break adjuster, reel swivel, PA 430 pump, pump oil glass and filter

2 way ball valve for tank shut off to filter when opening and cleaning of the filter

Main control panel, tachometer, and remote engine start

3 way ball valve for changing from normal operation bypass back to tank to

Pressure safety valve and pressure controller

Tank lid area for filling tank with chemical and water

Main drive guard and Honda motor

Karin Pressure Controller Overview



40 Bar Pressure Gauge

High pressure inlet from pump

Pressure bypass to tank or press lever shown in the press position

Extra 2 way ball valve outlet

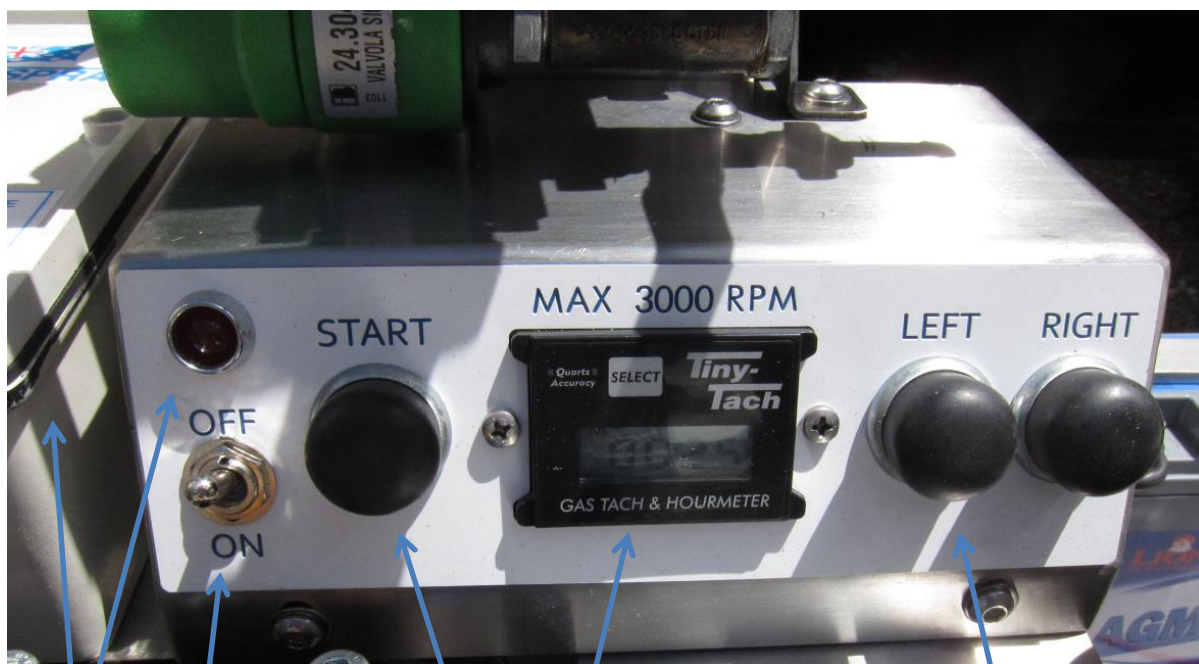
Pressure adjustment clockwise for more pressure, counter clockwise for less

Bypass flow back to tank

40 Bar Safety Valve

2 way ball valve for flow to reel

Main Control Panel

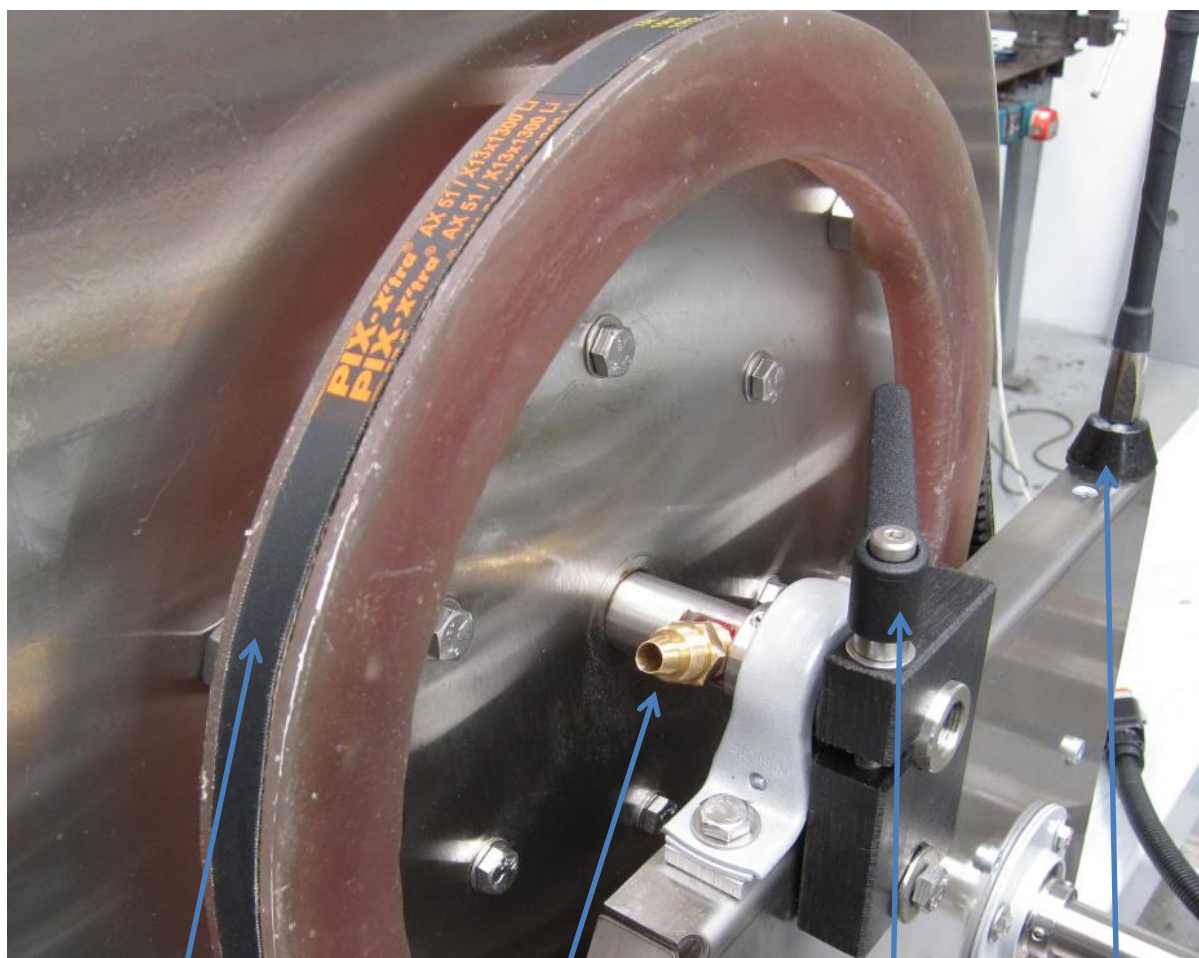


Radio receiver box containing 27.145 MHz radio electronics. Red power on indicator light and main on/off power switch

Remote Honda engine start button and tachometer. Always run the motor at 2400 RPM, this is optimal revolutions per minute for the pump and 1 amp charging coil to recharge the 12 Volt battery

Left manual reel rewind push button. The right button is not applicable for the UTV Spray Unit

Reel Area Information



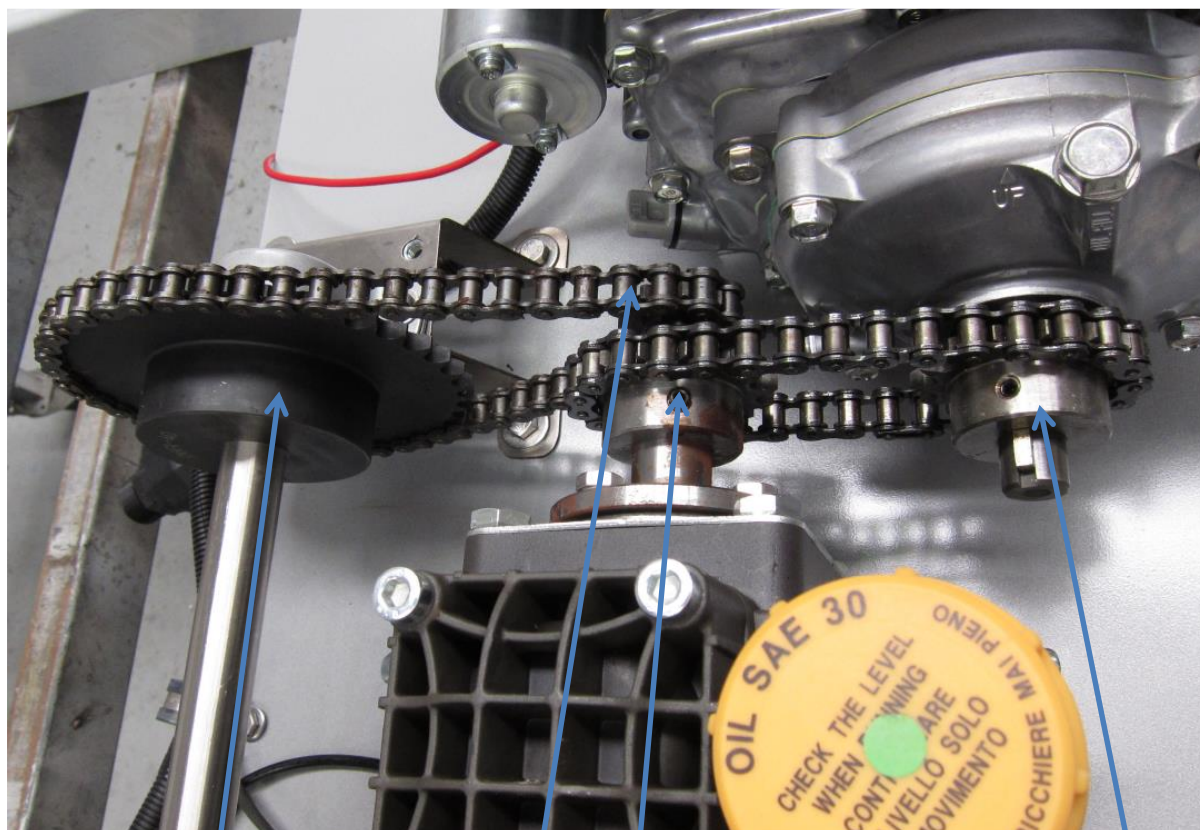
Reel drive belt.
Belt type is an
Automotive AX 51

Reel shaft compression
fitting. The blue Supa
Slip on the reel runs
through the hole in the
reel side and then is fitted
to this fitting

Reel friction bearing break.
This break will completely
lock the reel from turning
when traveling or create
drag to keep the reel from
running on when spraying
down steep embankments

Aerial base and
short flexible
rubber aerial

Gearbox



40-1 40 tooth sprocket
25mm bore

Chain length is 680mm
or 27 links

40-1 9 tooth sprocket
(on the outside of the
pump shaft) 12mm bore

40-1 15 tooth sprocket
1" bore (on the inside of
the pump shaft)

40-1 15 Tooth sprocket
 $\frac{3}{4}$ " bore

Chain length is 400mm
or 16 links

*Remove Gearbox Chain Guard and inspect chain and sprockets every 40 hours of run time for sprocket wear, chain stretching and lubricate. Replace Sprockets and chain when necessary.

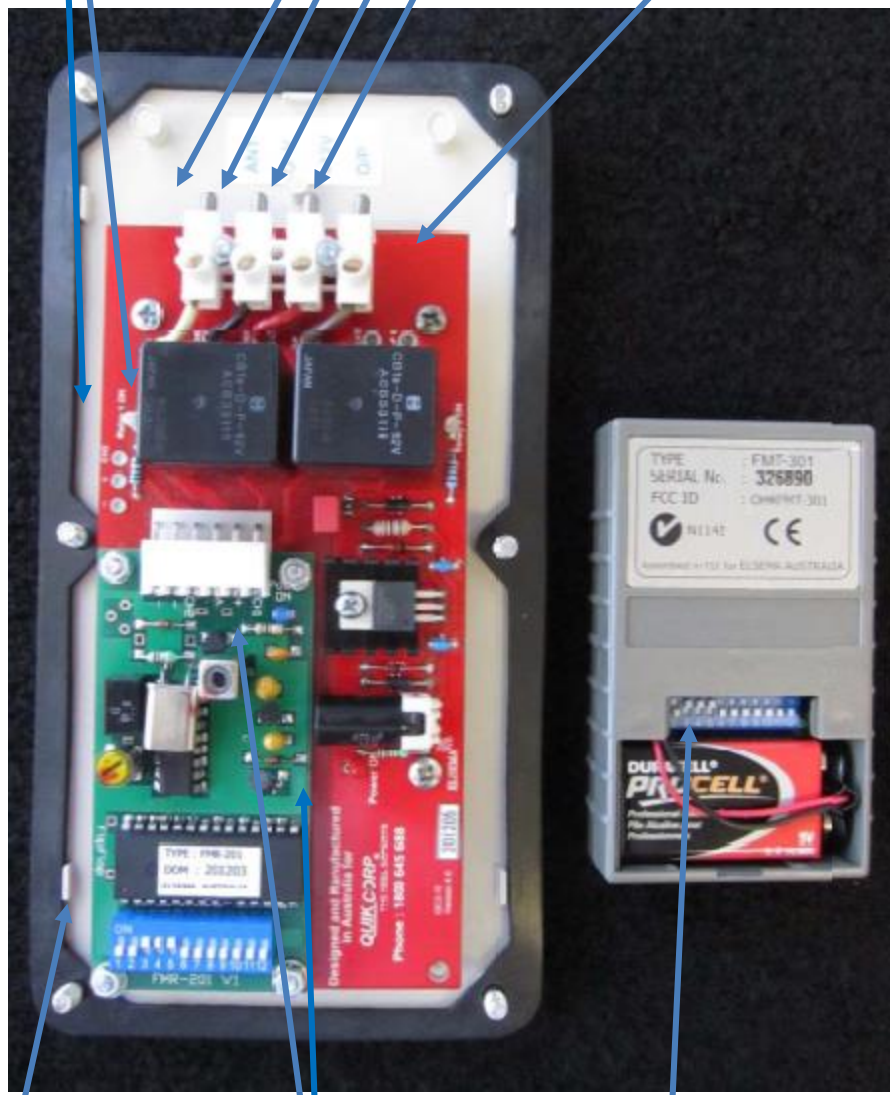
27.145 MHz Radio Receiver and Transmitter

J.G. 3/13

Relay and white relay operational light. (The second relay to the right is not used in this single module radio)

Terminals from left to right: Antenna internal coax, earth, positive 12V power in, 12V power out to clutch

Main red mother board PN 442942



This remote control module is used on Quik Corp Models:

- 5DSM
- 5SDE
- 9SDE
- UTV
- 5SCE
- PTOS
- 3PL5SDM

27.145 MHz receiver board. PN 4430000 The set of 12 blue and white dipswitch toggles need to match the corresponding set in the 9 V battery compartment of the hand held transmitter for remote operation

27.145 MHz receiver board blue operational light and mother board red operational light

27.145 MHz Transmitter PN 4440000 The 12 blue and white dipswitch toggles need to match the receiver board for remote operation

Trouble Shooting for Radio Electrics and Reel Rewind

<u>Problem</u>	<u>Probable Cause</u>	<u>Remedy</u>
<i>Reel too hard to pull out.</i>	1. Reel break adjustment too tight.	1. Adjust break. (on reel side)
<i>Reel rewind speed too slow.</i>	1. Engine revs too low 2. Drive belts slipping	1. Increase engine Revs to $\frac{3}{4}$ revs or 2400 RPM 2. Adjust belts (Page 9)
<i>Reel does not retract and manual button does NOT work.</i>	1. Switch not on or faulty. (Fig 4) 2. Flat battery (12 Volt) 3. Break in vehicle battery connection. 4. Blown fuse	1. Switch on or replace 2. Charge or replace 3. Repair 4. Replace with 10 amp fuse.
<i>Reel does not Retract and Manual button DOES work.</i>	1. Digital dipswitch code not synchronised . 2. Discharged 9 volt transmitter battery. 3. Faulty receiver board, transmitter, pre-regulator board, relay, or wiring.	1. 12 dipswitches in transmitter must correspond with the dipswitches on the receiver board. 2. Replace 9 volt battery 4. Call factory for radio return authorization form. 1-800-645-688

<u>Problem</u>	<u>Probable Cause</u>	<u>Remedy</u>
<i>Reel only retracts at close distance.</i>	<ol style="list-style-type: none"> 1. Discharged 9 volt transmitter battery. 2. Aerial broken or loose on aerial base. 3. Coax cable broken inside of the aerial base. 4. Low 12 volt battery 5. Faulty radio receiver board or transmitter. 6. Interference from overhead power lines or other possible sources of radio wave interference. 	<ol style="list-style-type: none"> 1. Replace 9 volt battery 2. Replace aerial or tighten to base. Finger tight only! If more than finger tight the coax cable will break inside the aerial base. 3. Replace aerial base and coax cable. 4. Charge or replace 12 volt battery. 12.5 voltage output allows optimum performance. 5. Call factory for radio return authorization form. 1-800-645-688 6. Relocate the spraying system.

Call the factory if you are experiencing problems to obtain the radio return authorization form.

1-800-645-688

Warranty Policy

This document sets out the warranties that are given by Quik Corp Pty Ltd (ABN 18 081 235 556) in relation to the 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 authorised 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:
 - 7.1.1. The Warranty Registration Form must be returned to Quik Corp by the Customer within 14 days of taking delivery of the Product;
 - 7.1.2. The Customer must read the Operating manual before operating the Product;
 - 7.1.3. 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 traveling 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 is 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 TO:

QUIK CORP PTY LTD
37 PRODUCTION AVENUE
WARANA QLD 4575

WITHIN 14 DAYS OF TAKING DELIVERY OF THE UNIT.

ONLY WHEN THIS REGISTRATION FORM IS COMPLETED AND RETURNED,
CAN QUIK CORP FULFIL ALL WARRANTY OBLIGATIONS.

PRODUCT INFORMATION

QUIK CORP MODEL/TYPE:

SERIAL NUMBER:

DEALER NAME (if applicable):

PURCHASE DATE:

PURCHASER DETAILS

COMPANY NAME:

TITLE (Mr/Mrs/Ms): SURNAME:

GIVEN NAME:

POSTAL ADDRESS:

TOWN (OR CLOSEST):

TELEPHONE: FAX:

AFFIX
STAMP

**Quik Corp Pty Ltd
Warranty Division
37 Production Avenue
Warana QLD 4575
Australia**

Fold here and seal at top for retuning by Post