



Petbarn K9000 Lite (K9L) Operators Manual



© Copyright 2016, Tru Blu Dog Wash, All rights reserved. K9000® is a registered trademark of Tru Blu Dog Wash.

© Copyright 2016, Atlantic Industries, All rights reserved. Tru Blu K9000L® is a registered trademark of Atlantic Industries

All requests and enquiries regarding the use of and availability of this manual are to be directed to:

Atlantic Industries - Tru Blu Dog Wash
Factory No. 1, 34 Caramut Road
Warrnambool
Victoria 3280
Australia






Tel: 03 55629088

Fax: 03 55629022

Email: info@trubludogwash.com.au

Website: www.trubludogwash.com.au
www.findadogwash.com

Explanation of symbols used in this manual

	Warning
	Tip
	Important - take note
	European Conformity
	Regulatory Compliance Mark

Date	Summary of Changes	Sections Changed/Added	Author/s	Version
02/09/2016	New MSDS's Operator Maintenance Included Heated Dryer	14, 14.1, 14.2, 14.3 14.4 12, 12.1, 12.2, 12.3, 12.4 & 15 8, 8.1 & 8.2	Phil Worrell	V0.4
16/11/2016	Updated from Review	Published	Phil Worrell	V1.0
31/01/2017	Update re filter handles (Change Request 006) +cleaning stainless steel video	11 & 12.5, 13.2	Phil Worrell	V2.0
07/12/2017	LED 6 values	10 Item 4 amended and items 14 & 19 added	Phil Worrell	
13/12/2018	New diagram of EJ Series pump exploded view	4.1	Phil Worrell	
08/04/2019	Added new "How To" videos	13.2	Phil Worrell	
04/07/2019	Added Nayax, new back board, pumps and new decals	4.1 & 4.2, 5.1 & 5.2, 9.0 and 12.3 & 12.5	Phil Worrell	V3.0
21/05/2020	New location for video's Added flushing maintenance schedule New ES Pumps General Safety	12.1 13.2 4 Various sections 13	Phil Worrell	V4.0

Version	V4.0
Status	Published
Date	09/06/2020
Author/s	Phil Worrell
Build Approver	Darryn Polak
Sales Approver	Dale Beaton

Table of Contents

1	Petbarn K9L Inspection and Acceptance on Delivery:	1
2	Installation:	2
2.1	Levelling and Positioning the K9000L.....	2
2.2	Connecting the water supply and waste connection to the K9000L.	3
2.2.1	Connecting the water supply:	3
2.2.2	Hot Water Breaker	4
2.2.3	Connecting the waste.....	5
2.3	Connecting the Power – For Your Electrician	6
2.4	Completing the Installation	7
3	Commissioning the Unit.....	7
4	Main Board Components.....	8
4.1	Main Backboard with Iwaki ES Series Pumps	8
4.1.1	Product Dosing Pump Settings (Iwaki ES Series Pumps).....	9
4.1.2	Bleeding Product Dosing Pumps (Iwaki ES Series Pumps).....	10
4.1.3	Iwaki Dosing Pump – Exploded View (Iwaki ES Series Pumps)	11
4.2	Main Backboard with Iwaki EJ Series Pumps.....	12
4.2.1	Product Dosing Pump Factory Settings (Iwaki EJ & ES Series Pumps)	13
4.2.2	Bleeding Product Dosing Pumps (Iwaki - EJ or ES Series Pumps).....	15
4.2.3	Iwaki Dosing Pump Exploded Views	16
4.3	Approved Products.....	18
5	Cash Box Components	19
5.1	Cash Box with Note Reader	19
5.2	Cash Box with Card Reader	20
5.3	Coin Acceptor – coin activation	21
5.4	Coin Acceptor – Removal.....	23
5.5	Coin Acceptor Cleaning.....	24
6	Note Acceptor (GBA ST1C).....	25
6.1	Note Acceptor Fault Codes	25
6.2	Cassette Fitting / Removal	26
6.3	Cleaning the Validator Note Path	27
6.4	Clearing a Note Jam.....	28
6.5	Troubleshooting	30
7	Temperature Valve.....	31
7.1	Temperature Adjustment.....	31
8	Dryer	32
8.1	Non Heated Dryer Details	32
8.2	Heated Dryer.....	33
8.2.1	Heated Dryer Settings.....	33

8.3	Dryer Hose Connection	34
9	Override Key (Wash Down Key).....	35
10	LED 6 Operating and Programming Instructions	36
11	Floor Lifting Tool	38
12	Operator Maintenance	39
12.1	Maintenance Schedule	39
12.2	External Maintenance Items	42
12.3	Rotary Dial Maintenance	42
12.4	Dryer Maintenance	43
12.5	Cleaning	44
13	General Information	47
13.1	Canine parvovirus	47
13.2	Instruction “How To” Videos	47
14	MSDS Attachments	48
14.1	Material Safety Data Sheet (MSDS) Fido’s Everyday Shampoo	48
14.2	Material Safety Data Sheet (MSDS) Fido’s Crème Conditioner	48
14.3	Material Safety Data Sheet (MSDS) Fido’s Fre-Itch Rinse Concentrate	48
14.4	Material Safety Data Sheet (MSDS) Fido’s Hydrobath Flush	48
15	Maintenance Record.....	49

1 Petbarn K9L Inspection and Acceptance on Delivery:

Inspect the K9000L on arrival and prior to unwrapping to ensure there is no travel damage. If there is any damage, please contact Tru Blu Dog Wash before accepting delivery.



Caution should be taken when the K9000L has been delivered and is being unloaded. The K9000L weighs approx. 275kg. Ensure a qualified operator of the loading equipment is used to lift or move the K9000L Dog Wash.

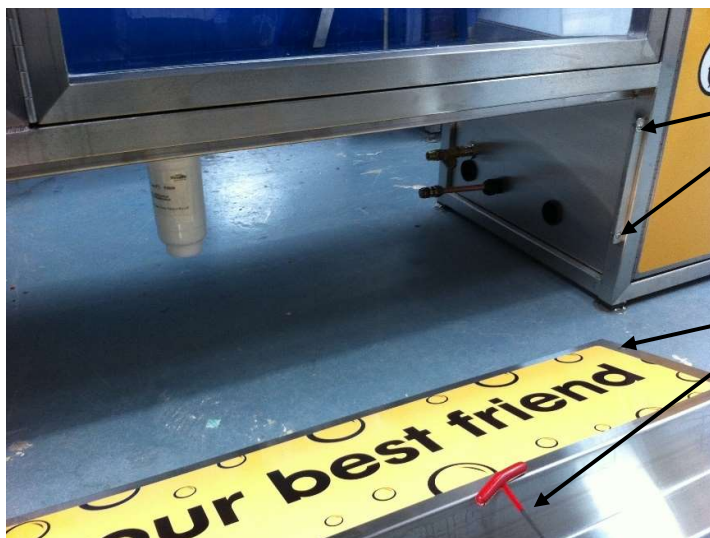
The K9000L (Within Australia) is first bubble wrapped and then wrapped in black plastic cargo wrap. It is secured to the pallet with a tie down strap over the cabinet and 6 screws. Position the K9000L while on the pallet near its final location. Take caution removing the plastic and bubble wrap avoid using a knife as it may scratch the stainless steel or decals. With a screw gun remove the screws from the feet and the tie down strap.



A second inspection should be undertaken to ensure no damage has occurred during travel.



It is recommended that the front kicker plate be removed prior to installation and handling as this will allow safer lifting and the required access during installation. *Care should be taken not to damage the plumbing fittings during lifting and positioning of the unit.*



The kicker plate allen key bolt positions (2 at each end)

A 4mm allen key is used to remove the kicker plate.

It is also recommended that the white film protecting the unit is not removed until after install as this will help prevent any installation damage.

2 Installation:

The K9000 Lite Dog Wash (K9000L) can be installed either indoor or outdoor.

2.1

Levelling and Positioning the K9000L

The K9000L needs to be placed in a level horizontal position to operate correctly. There are 6 adjustable feet, place a level along the back of the K9000L and adjust the 4 corner feet accordingly to get the K9000L level, place the level along the top of the cabinet running back to front to make sure it is not tilting forward or backwards.

Once the K9000L is level adjust the 2 mounting centre feet to ensure unit is firmly in place, recheck unit is level.

Verify all door margins and open and close each door to ensure they open and close freely.



ENSURE all doors open and close freely before securing the K9000L!
Once the K9000L is level, use dyna plugs to secure the K9000L to the ground.



2.2 Connecting the water supply and waste connection to the K9000L.

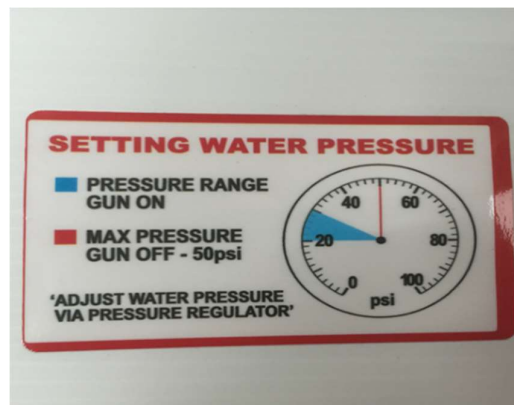


Before connecting the K9000L to Water and waste ensure local regulations are considered. Some sites may require an additional back flow prevention device. Local regulations may also require sites to use copper pipes for waste.

2.2.1 Connecting the water supply:

Flush the pipes prior to connecting to the K9000L. Maximum allowable water pressure is 0.5Mpa. (72 psi / 500Kpa)

Water connection into the K9000L



Copper waste pipe connected to hot water system.

Once connected the regulator can be adjusted to ensure the K9000L has water pressure of between 20 & 30 psi when the pressure gun is in use and between 40 & 50 psi when pressure gun is not being utilised.

To verify the pressure when the gun is not being utilised you need to view the gauge at the moment the pressure gun is turned off as it will give a true indication of the psi prior to resetting to the hold psi of approximately 40.

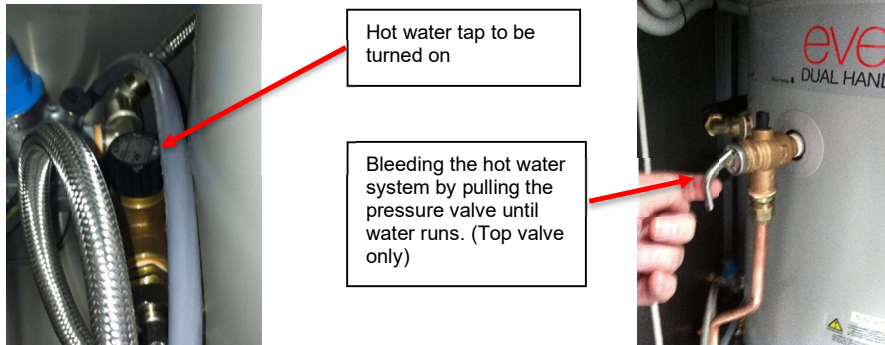
- The psi verification can be done with the override key and a wash setting of stop or with money/token and the rinse setting selected.

If adjustment required, you will need adjust the regulator. The regulator is adjusted using a screw driver, where pressure needs to be increased turn the screw anticlockwise and to decrease pressure turn in a clockwise direction.



2.2.2 Hot Water Breaker

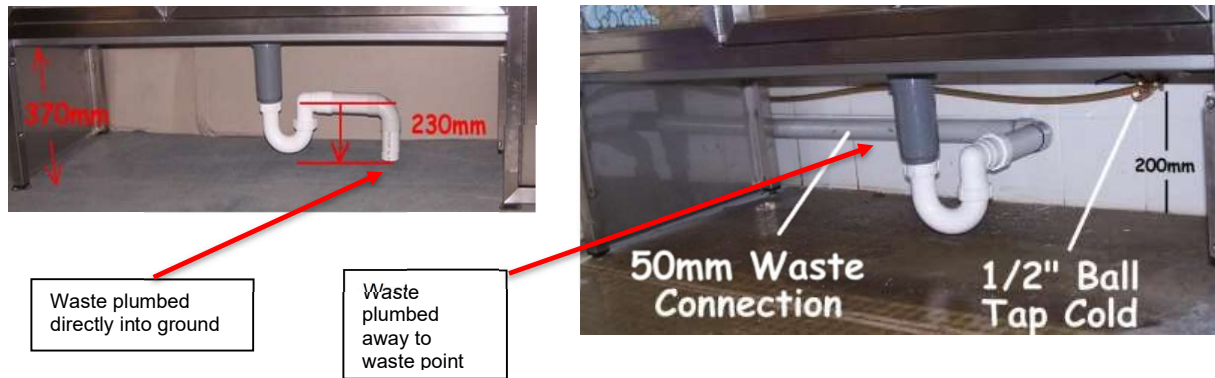
After the water is connected the hot water tap is to be turned on and the hot water system filled and bled.



Once the hot water system is filled the hot water circuit breaker located in the control box is to be turned on. The power must be isolated prior to removing the cover from the Control Module refer to section 4 Main Board Components.

2.2.3 Connecting the waste

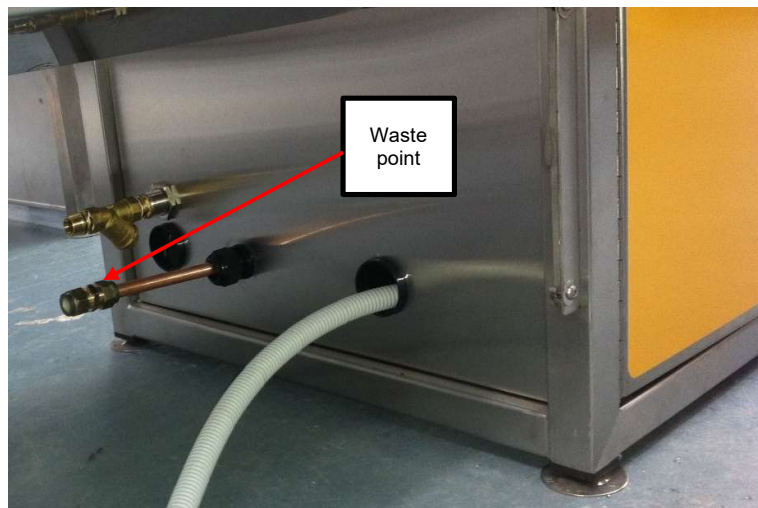
Connect the 50mm waste using the P-trap (supplied in the install kit)



The copper waste pipe connected to the hot water unit relief valves needs to be run into a waste point or tundish (not supplied). The same waste point as the P-trap can be utilised.



Before connecting to the waste point or tundish ensure local regulations are considered as some sites may require copper pipe.

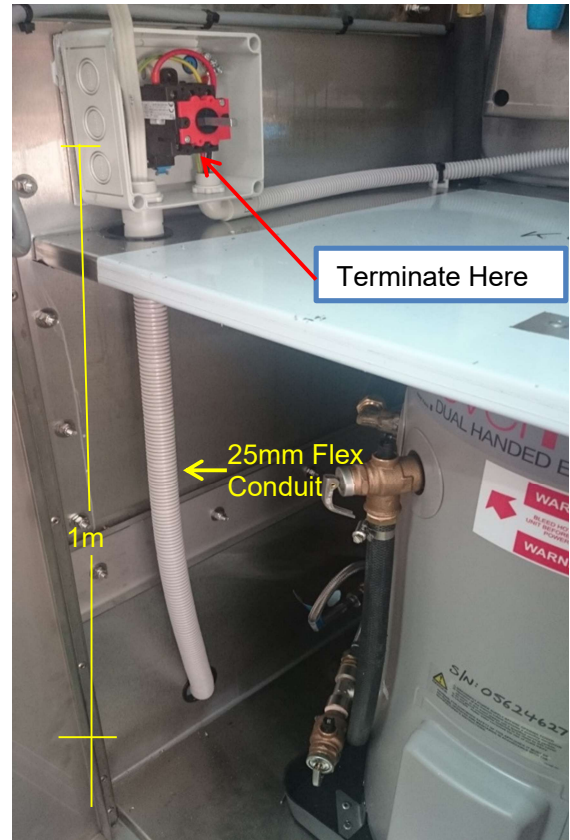


If unsure with any of the above steps please phone (03) 5562 9088 for assistance.

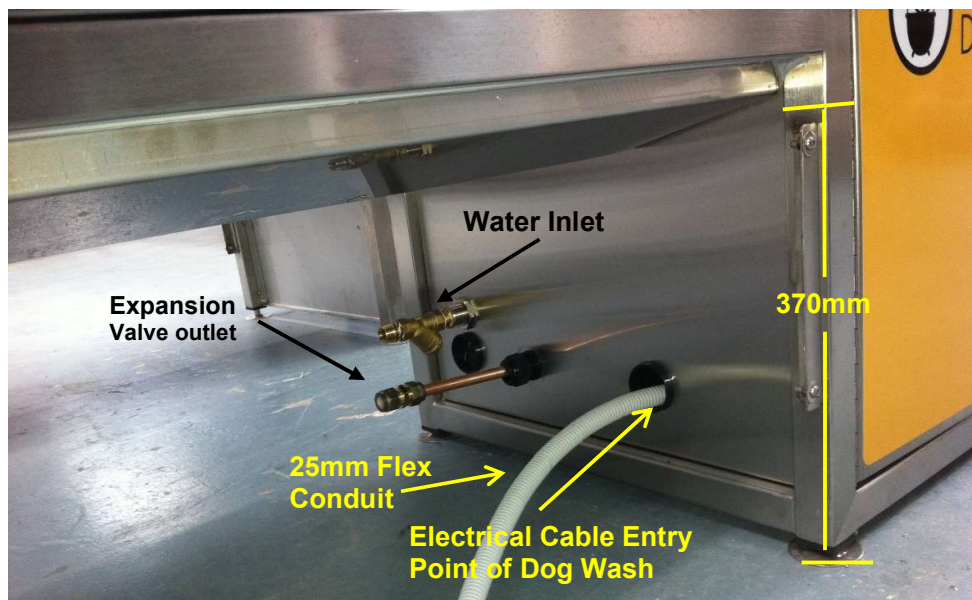


2.3 Connecting the Power – For Your Electrician

Shown on the right is the main electrical cable inside the dog wash. It enters through the gland at the bottom of the dog wash close to the ground. Run the power cable in 25mm flexible conduit as there is a socket already installed into the bottom of the main circuit breaker box shown.



Shown below is a photo of the main electrical cable enter point to the dog wash. Once you run the cable and conduit to this point, and then leave another 1000mm for the termination inside the dog wash.



2.4 Completing the Installation

Now that the K9000L has been installed you can now refit the front kicker plate removed earlier to allow the installation to proceed and peel the protective white film from the unit. You are now ready to commission the K9000L.

Please ensure that the hot water breaker has been turned on refer section 2.2.2.

3 Commissioning the Unit

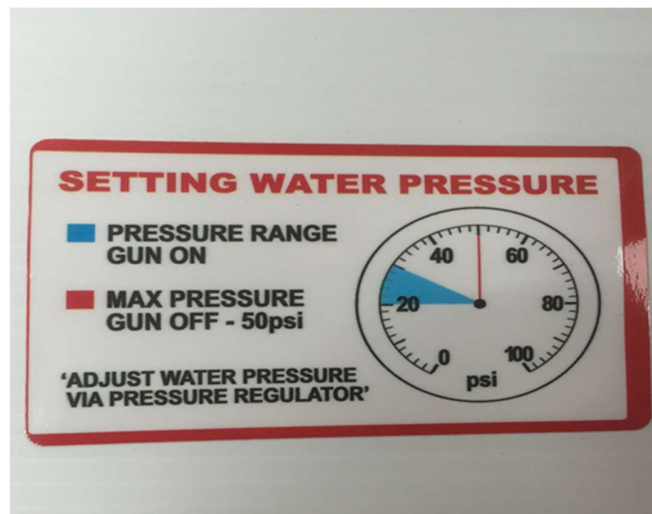
The K9000L is delivered with sufficient product for approximately 100 washes and it is recommended that commissioning the unit occurs after installation.

Commissioning the unit requires the following tests to be undertaken;

- Override key wash (refer section 9)
- Insert Coins
- Insert Notes (if applicable)

During the tests check the following;

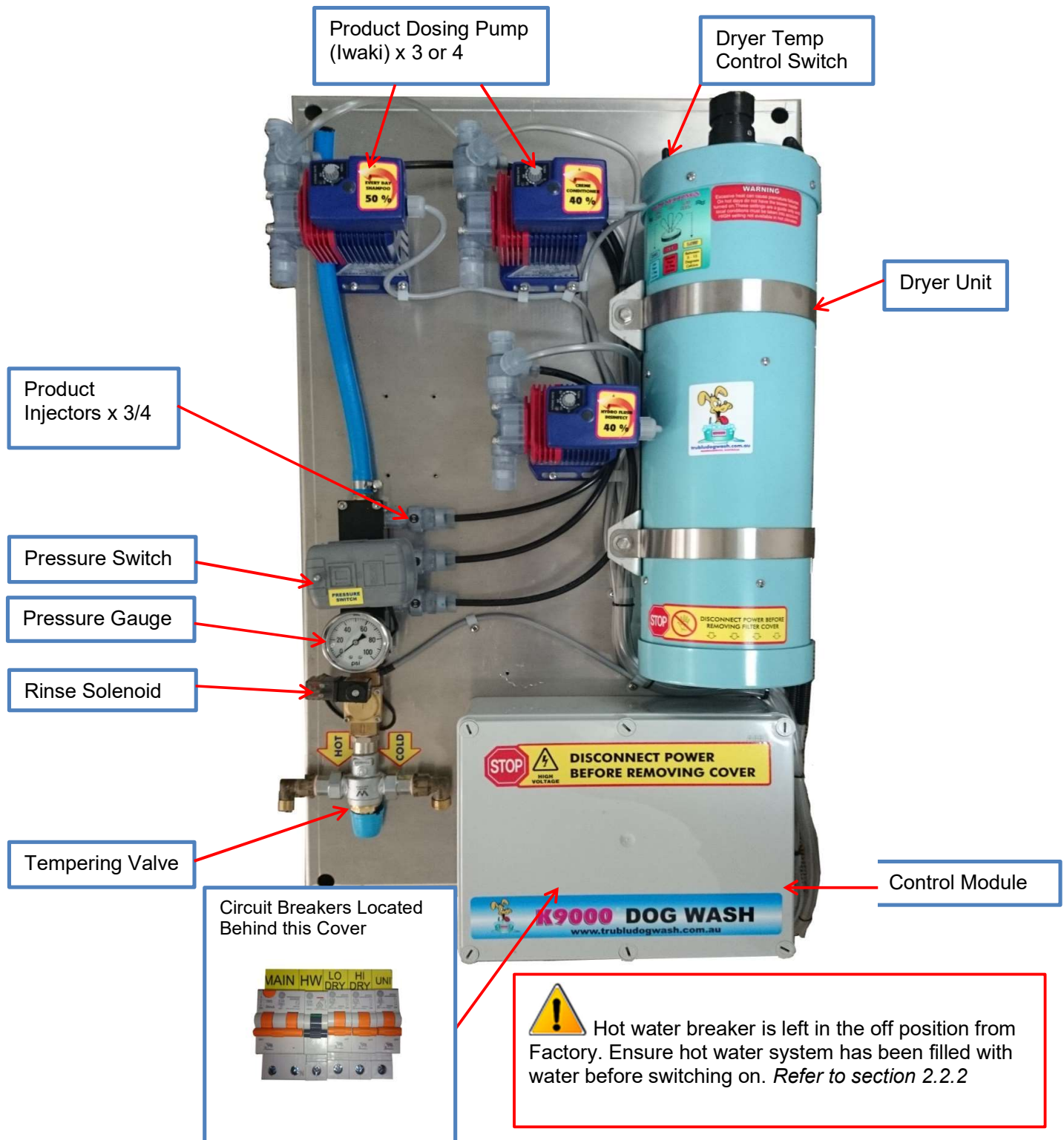
- water pressure gauge: when pressure gun is being utilised the pressure range should be between 20 & 30 psi and when gun is off the psi should be in the range 40 to 50 psi. Refer section 2.2.1 re regulation of water pressure.



- water temperature, should be cool at a 40cm distance from the wash gun, refer section 7.1 for water temperature adjustment.

4 Main Board Components

4.1 Main Backboard with Iwaki ES Series Pumps



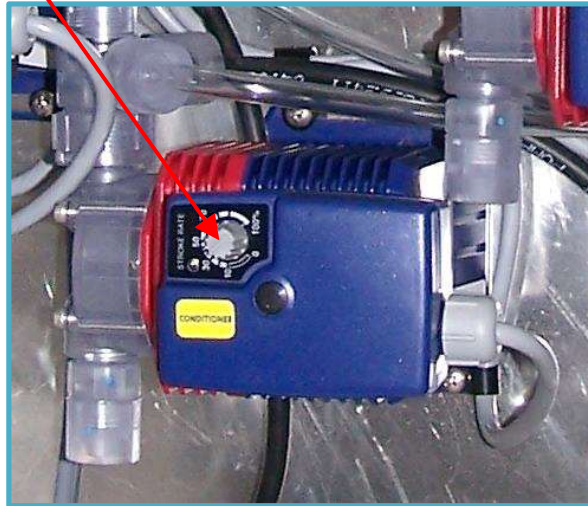
4.1.1 Product Dosing Pump Settings (Iwaki ES Series Pumps)

Settings are guidelines/recommendations for Fido's or other approved high-quality concentrated products:

- Shampoo: 50%
- Condition rinse: 40%
- Flea & Tick rinse: 30%
- Tub disinfectant: 40%
- Flea shampoo: 40% (if applicable)

To adjust settings, rotate the 'stroke rate' dial to the recommended percentages as above.

**'Stroke Rate'
Dial**



4.1.2 Bleeding Product Dosing Pumps (Iwaki ES Series Pumps)

The need to bleed product dosing pump will arise when products have run out or in some case when products have been replaced and air has become trapped in the tube.

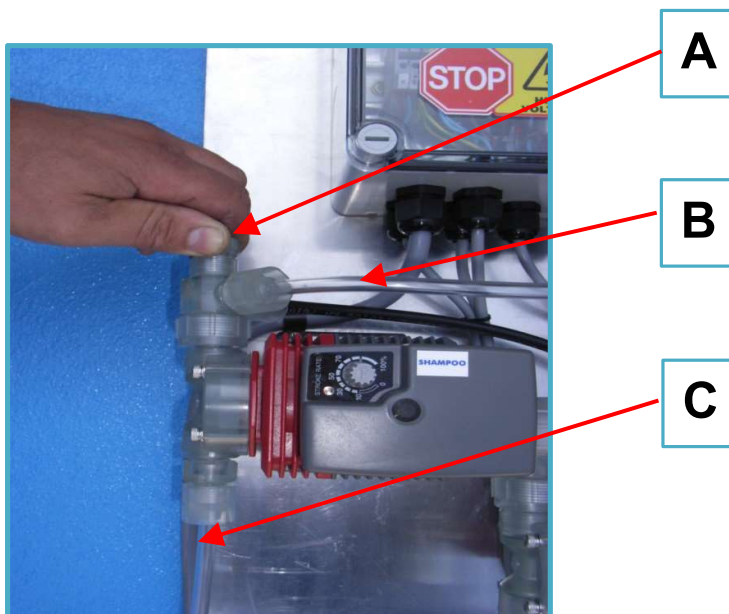
Bleeding procedure:

1. Select the product you wish to bleed by turning the rotary switch e.g.: shampoo
2. Adjust stroke rate to 90%;
3. Release bleeder valve (item A below) by turning *anti-clockwise* as shown below; 3 turns only.
4. Once product reaches the clear waste tube (item B below) re-tighten the bleeder valve by turning clock-wise;
5. Reset stroke rate to the previous/recommended setting;
6. After process is complete visually inspect the suction line for air pockets-if air pockets are present repeat process.

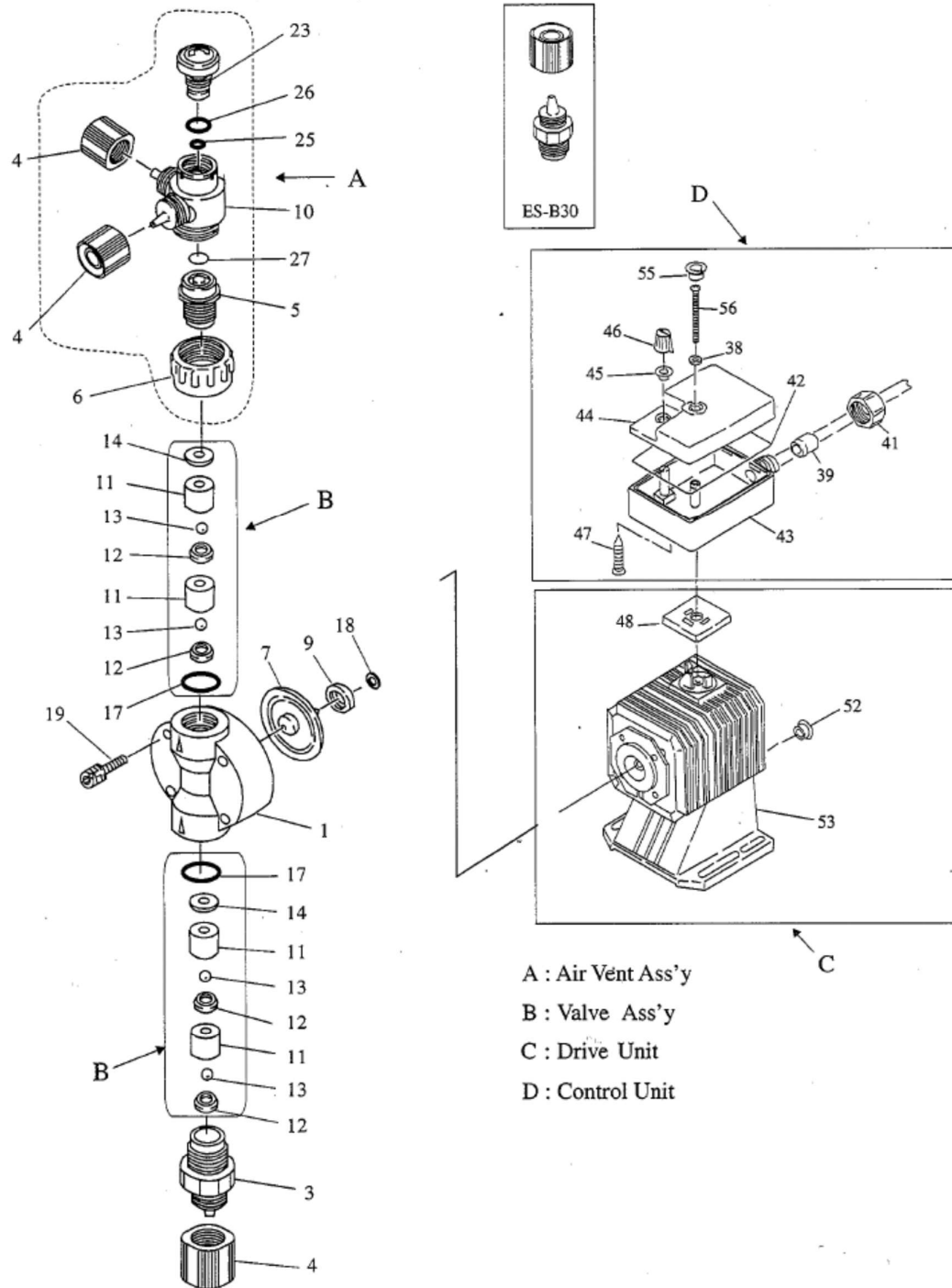
NOTE: After pump has been bled, there will be a distinctive change in the sound of the pump (pump will sound quieter).



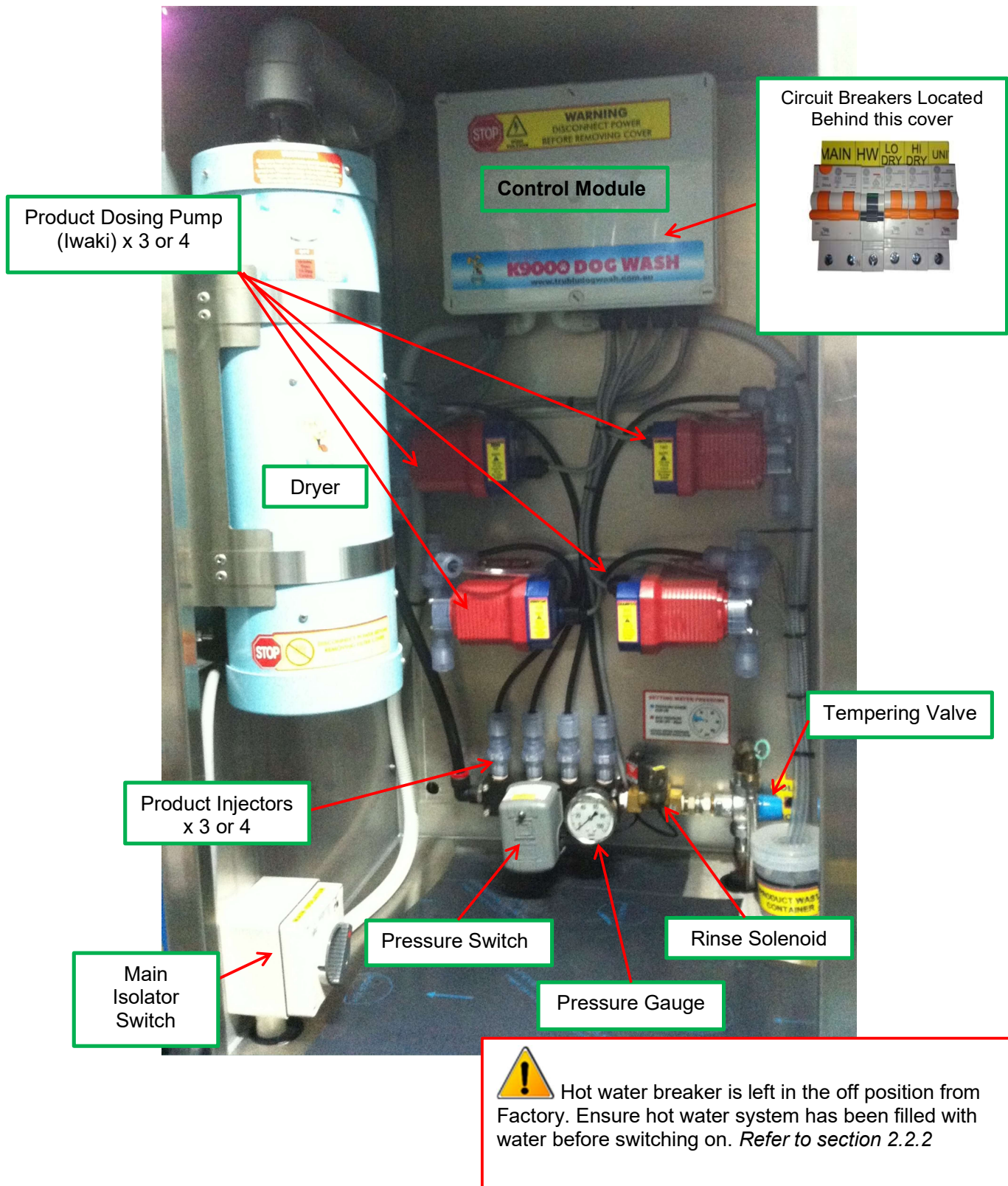
If there are problems bleeding heavier concentrates rattle the suction line (item C below).



4.1.3 Iwaki Dosing Pump – Exploded View (Iwaki ES Series Pumps)



4.2 Main Backboard with Iwaki EJ Series Pumps



4.2.1 Product Dosing Pump Factory Settings (Iwaki EJ & ES Series Pumps)

Settings are guidelines/recommendations for Fido's products:

- Shampoo: 200 SPM*
- Condition rinse: 180 SPM*
- Flea & Tick rinse: 80 SPM*
- Tub disinfectant: 120 SPM*
- Flea shampoo (export only): 180 SPM*

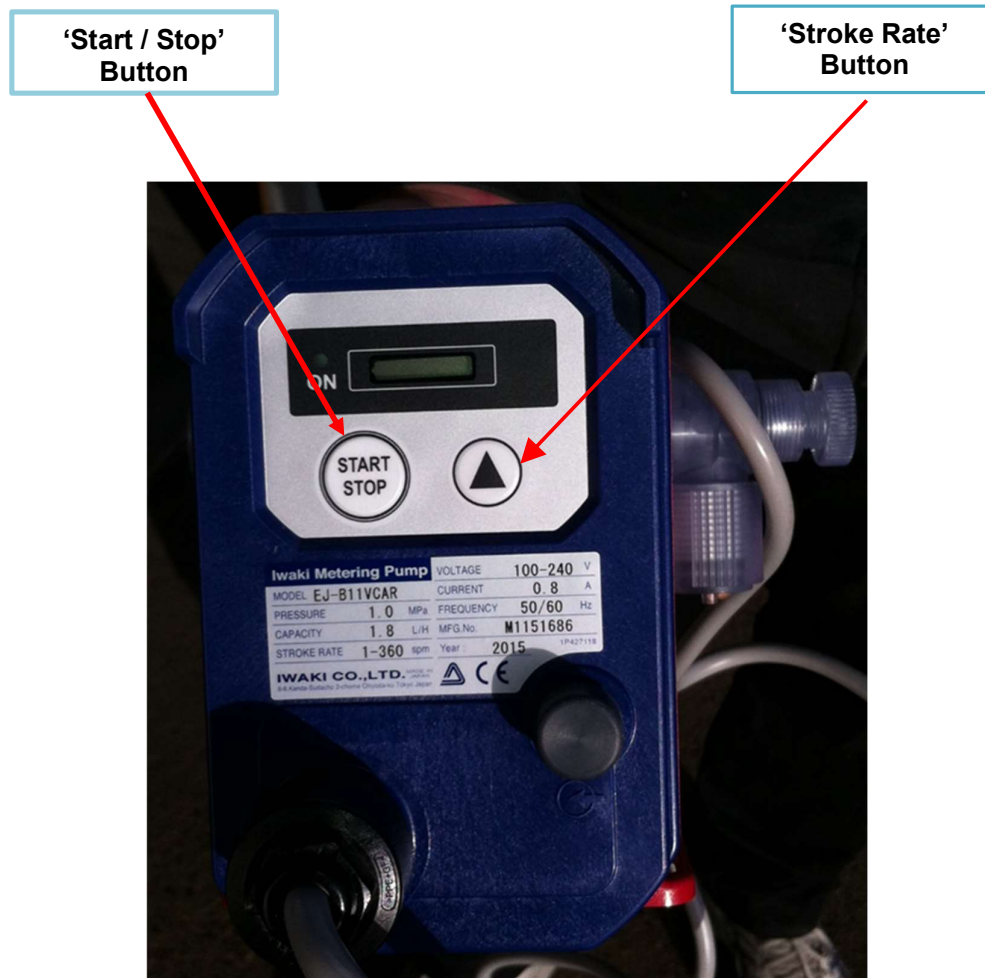
*Note: Strokes Per Minute

4.2.1.1 Iwaki EJ Series Pump

To adjust settings, depress the up arrow* to the recommended SPM rate, as detailed above.

Should you be using another approved product please contact Tru Blu on 03 5562 9088 for settings.

*Note: The pump must be in operation when making an adjustment. The arrow will only increase the SPM, so to reduce the rate you must fully increase the rate to 360, release the Stroke Rate button and repress it. This will reset the SPM to 1, you can then increase to the required SPM rate. Once the required rate is reached press the start/stop button twice to save the required rate.

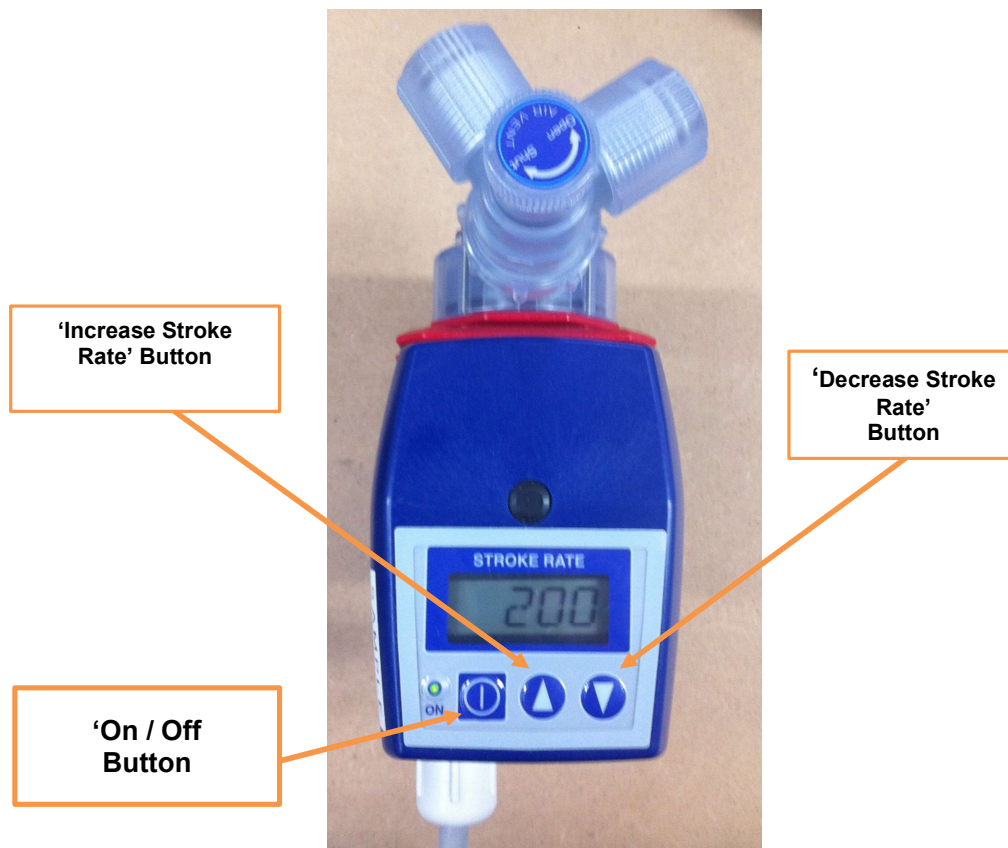


4.2.1.2 Iwaki ES Series Pump

To adjust settings, press either the up or down arrow until the recommended SPM rate is displayed, as detailed in section 4.1.2 above.

Should you be using another approved product please contact Tru Blu on 03 5562 9088 for settings.

**Note: The pump must be in operation when making an adjustment. The ES Series pump allows the operator to either increase or decrease the SPM as it has both up and down buttons. Once the rate is displayed it is saved.*



4.2.2 Bleeding Product Dosing Pumps (Iwaki - EJ or ES Series Pumps)

The need to bleed product dosing pump will arise when products have run out or in some case when products have been replaced and air has become trapped in the tube.

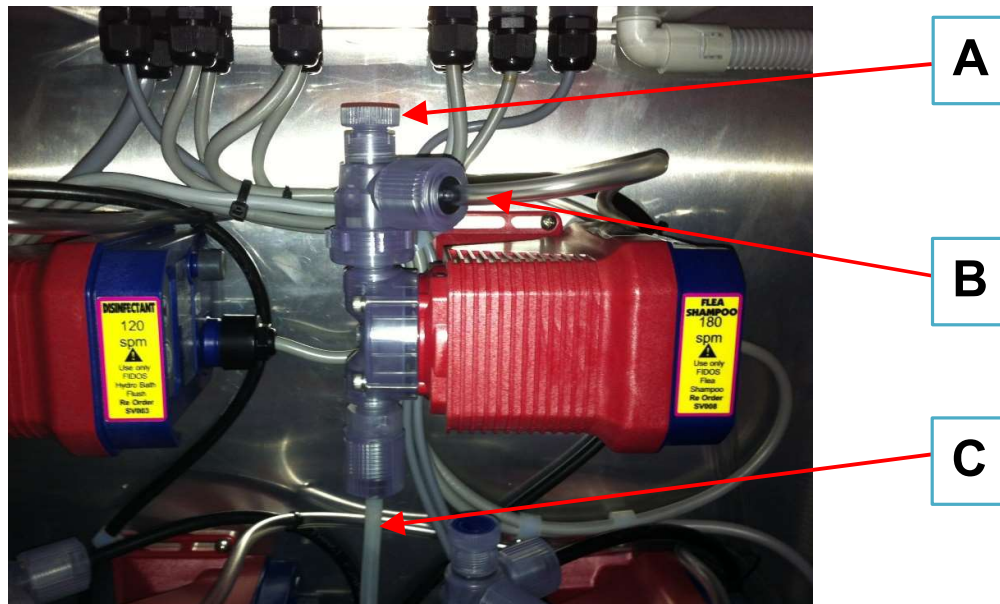
Bleeding procedure:

7. Select the product you wish to bleed by turning the rotary switch e.g.: shampoo
8. Release bleeder valve (item A below) by turning anti-clockwise as shown below; 3 turns maximum.
9. Once product reaches the clear waste tube (item B below) re-tighten the bleeder valve by turning clock-wise;
10. After process is complete visually inspect the suction line for air pockets-if air pockets are present repeat process.

NOTE: After pump has been bled, there will be a distinctive change in the sound of the pump (pump will sound quieter).



If there are problems bleeding heavier concentrates rattle the suction line (item C below), and/or squeeze it to assist with shifting the product up into the pump head.

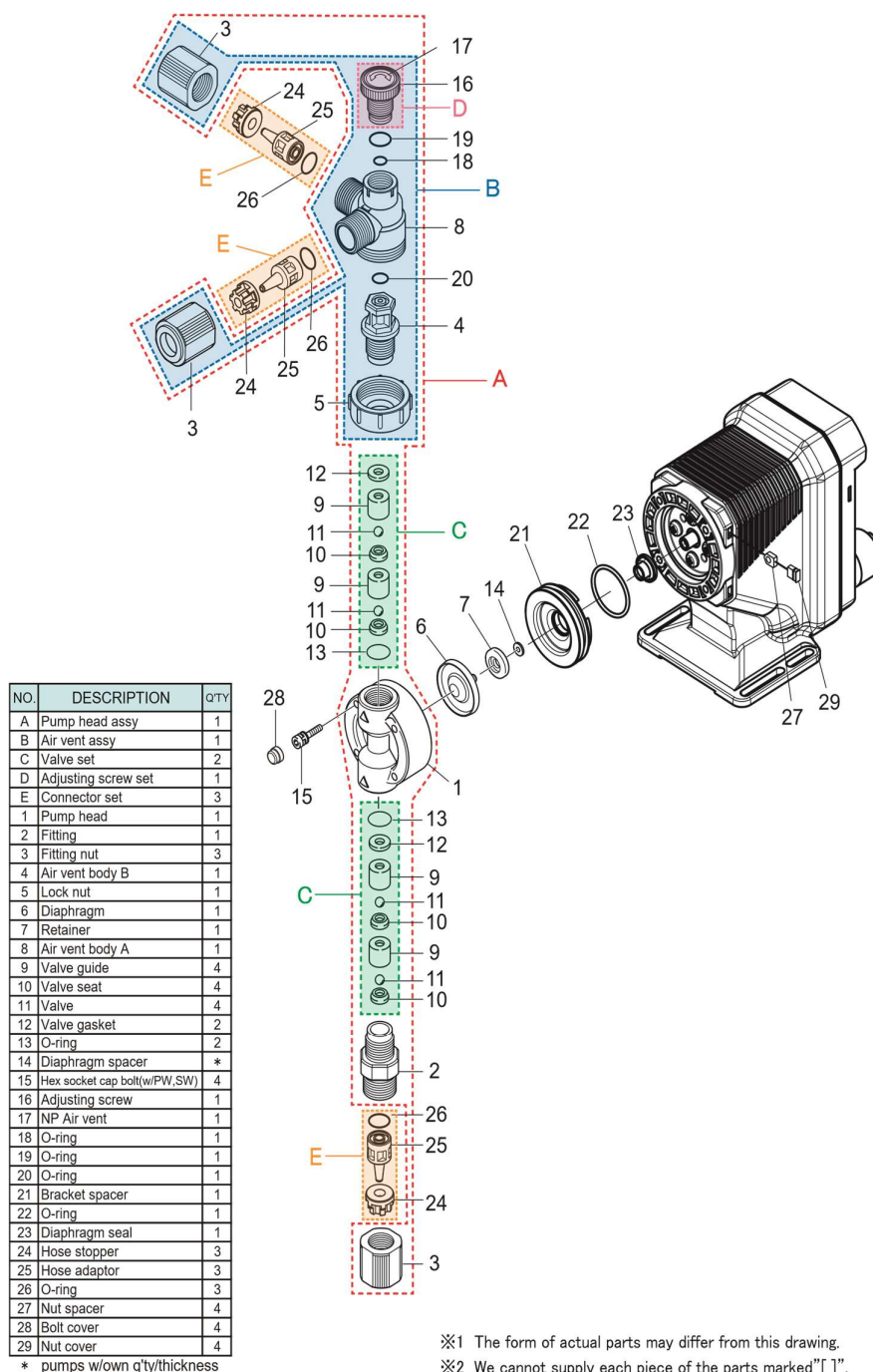


4.2.3 Iwaki Dosing Pump Exploded Views

This section has diagrams of both the EJ & ES Series pumps completely dismantled. Do not dismantle pumps beyond the extent shown in this instruction manual.

4.2.3.1 Iwaki Dosing Pump – EJ Series Exploded View

The pump in the diagram below is completely dismantled. Do not dismantle the pump beyond the extent shown in this instruction manual.

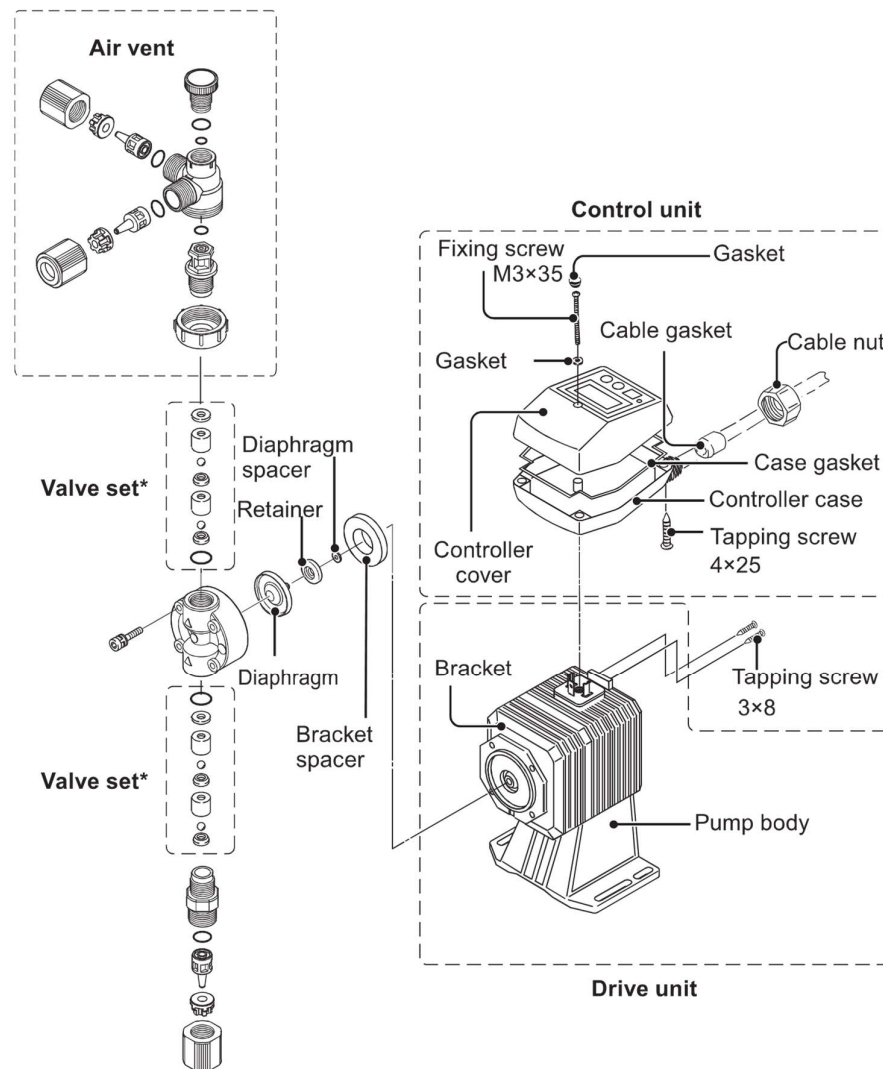


4.2.3.2 Iwaki Dosing Pump – ES Series Exploded View

The ES Series pump in the diagram below is completely dismantled. Do not dismantle the pump beyond the extent shown in this instruction manual.

Exploded view

Pump head, Drive unit & Control unit



4.3 Approved Products



The only products that are approved for use in the Tru Blu K9000® Dog Wash are Fido's products produced in Australia by Mavlab Pty Ltd (www.mavlab.com.au) and those registered as a "veterinary chemical product" by the Australian Pesticides and Veterinary Medicines Authority (APVMA) for use on dogs.

The Australian Pesticides and Veterinary Medicines Authority (APVMA) contact details are:

Office: 18 Wormald Street, Symonston, ACT, 2609, Australia
Office hours: 9.00am - 5.00pm Mon - Fri EST
Mailing address: APVMA, PO Box 6182, Kingston, ACT, 2604, Australia
Email: contact@apvma.gov.au
Phone: +61 2 6210 4701

Q: How do I check the current registration status of a chemical product?

A: Your supplier can check the registration status of chemicals, or you can access the information on the database of all registered agricultural and veterinary products in Australia from the Public Chemical Registration Information System – PUBCRIS, accessed through the APVMA website.

Q: How do I know if a product has been registered?

A: The APVMA (known before March 2003 as the NRA) allocates a unique registration number which is printed on the bottom of the product label. The APVMA uses this approval number to verify the registration status of products. The words "*NRA Approval No.*" always appears in front of the number. The last four digits tell you when the product was last assessed by the APVMA. However, some older chemical products may not have an NRA number. In this case, ask your supplier to check that the product you want is registered.

Approved Fido's products

- | | |
|---|---|
| 1. Shampoo (Registration not req'd)
Fido Every Day Shampoo
MSDS (see MSDS attached) | 2. Conditioner (Registration not req'd)
Fido Crème Conditioner
MSDS (see MSDS attached) |
| 3. Flea & Tick (APVMA No. 37433)
Fido Fre-Itch Rinse Concentrate
MSDS (see MSDS attached) | 4. Disinfectant (APVMA No. 57855)
Fido Hydro Bath Flush
MSDS (see MSDS attached) |

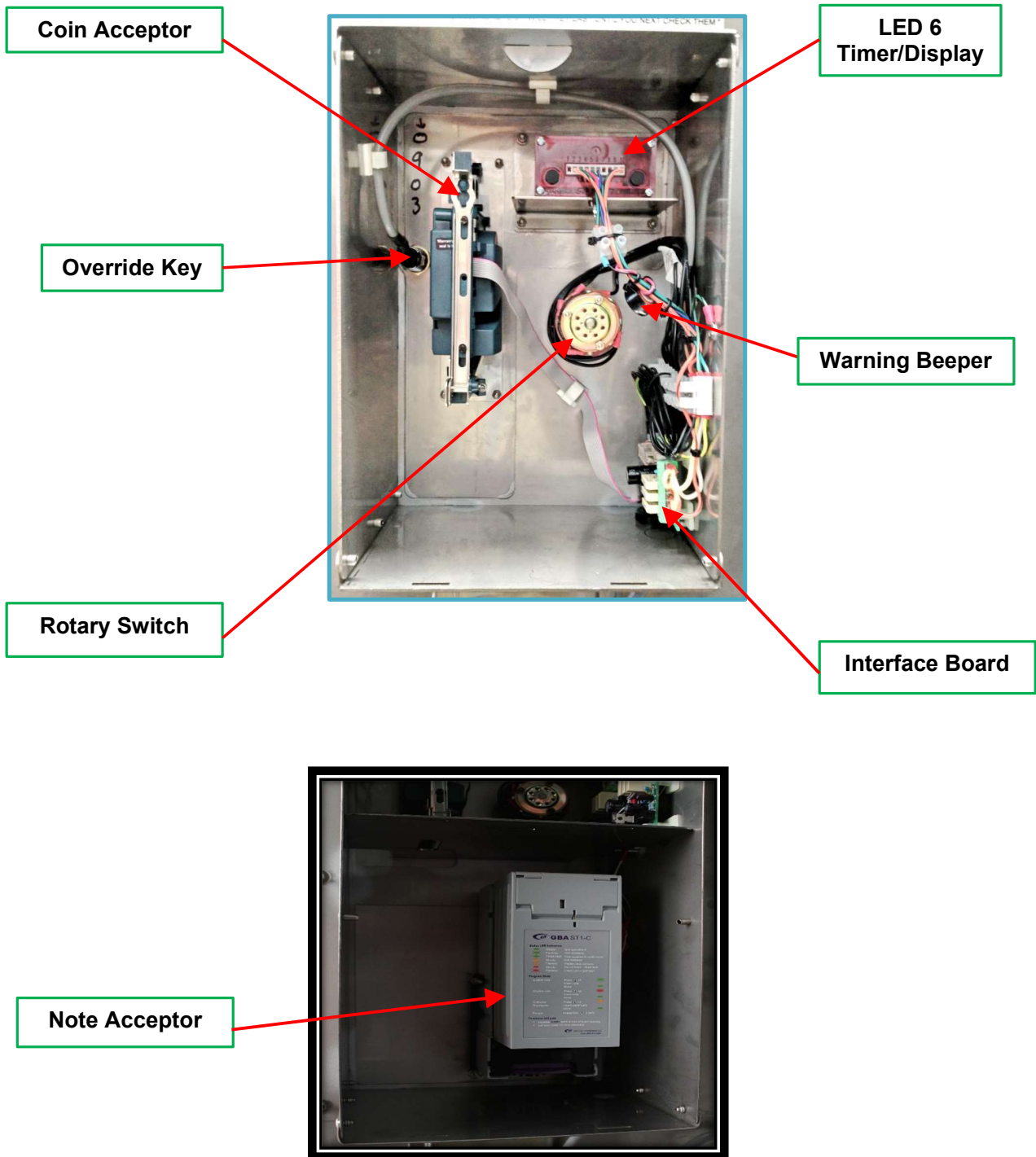
Important

The use of non-approved products may be harmful to the dog. Damage may also be caused to the Tru Blu dog wash equipment and possible voiding of the unit's warranty.

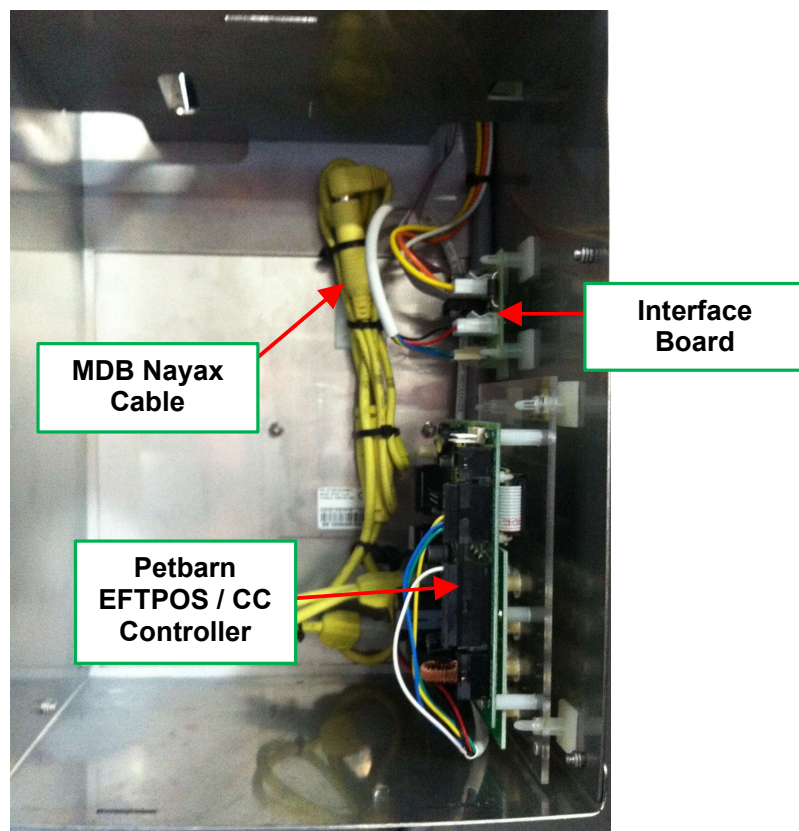
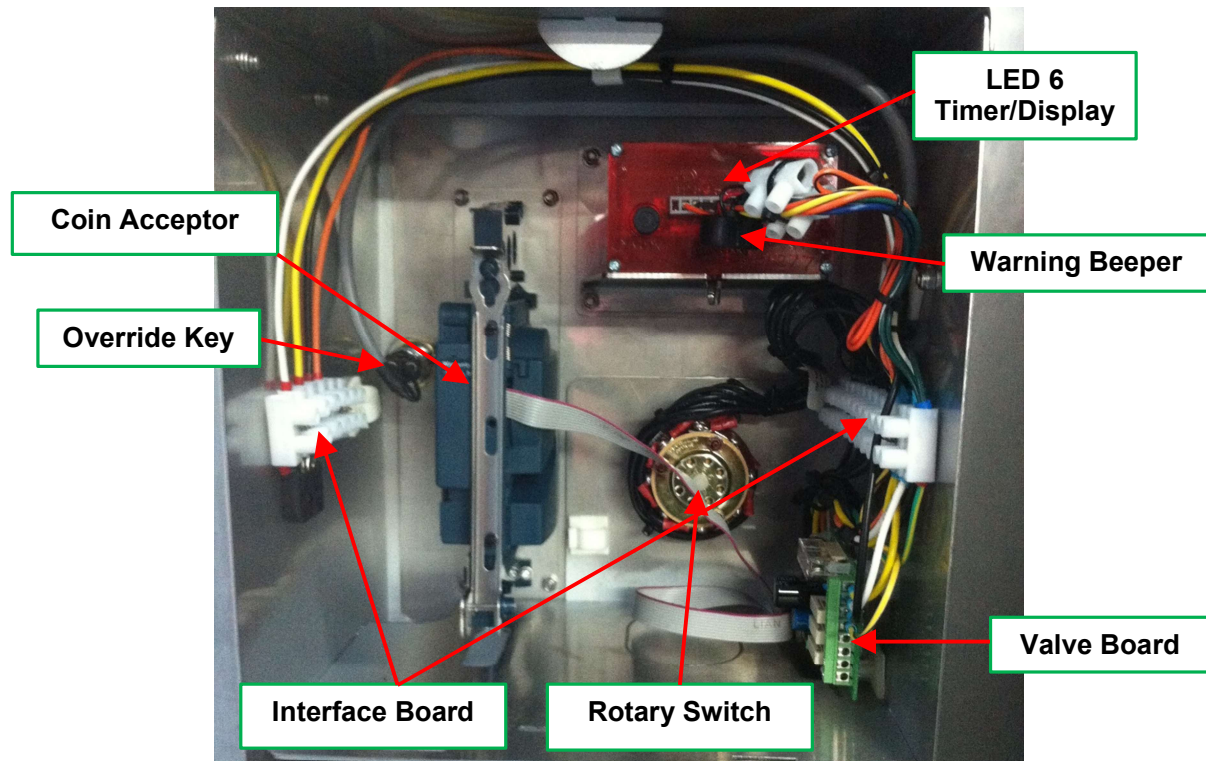
5 Cash Box Components

Cash box components have changed over time so there are two versions displayed, one with a note reader and one with a card reader.

5.1 Cash Box with Note Reader

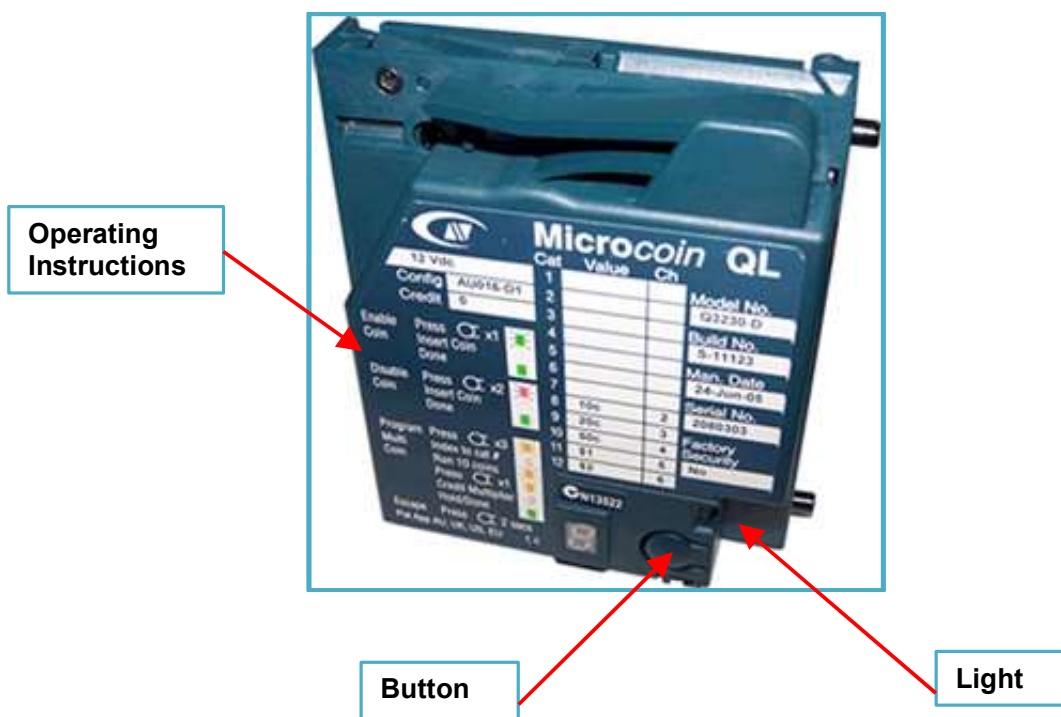


5.2 Cash Box with Card Reader



5.3 Coin Acceptor – coin activation

If the coin acceptor does not accept a coin, then it may be because the line for that particular coin is switched OFF. I.e. coin is disabled. To turn a line ON and to enable a coin, press the button once, (light will flash green) then drop the coin in. Coin should now work. To disable a coin, press the button twice, (light will flash red) then drop the coin in, coin will now not work.


























Service agent refer to -

Microsystems Controls Pty Ltd
Unit 6, 11 Robertson Place
South Penrith NSW 2750
Ph. +61 2 4731 6655
sales@microcoin.com

Coin activation Cont'd...

- The Microcoin QL-Timer can be programmed using its On-Board Programming facility (OPB).
- Each OBP feature can be accessed by a series of button presses, using the OBP programming button, which is located below the LED indicators.
- Please use a **firm** and **rapid** button press to access each Mode. You will be shown a unique "M" LED flash sequence to indicate the selected Mode.

Feature	Description	Visual Indicators
Enable Coin	Press button once. LED flashes GREEN	   
	Pass the coin to be enabled through the QL. If successful, LED will go steady GREEN	   
Disable Coin	Press button twice. LED flashes RED	   
	Pass the coin to be disabled through the QL. If successful, LED will go steady GREEN	   
Program Multi Coin	Press button 3 times LED flashes ORANGE	   
	Press Button to get to required Cat number Displayed on side of unit	(1 – 12)
	Pass 10 Coins through the QL LED flashes ORANGE	
	After the 10 th coin or token has passed through LED will go steady ORANGE	
	Display should now show number "1" This is the credit multiplier, Number 1 = 1 pulse = \$1 If programming a Token to = \$10, press button until Display shows "0"	1
	Press & Hold Button, LED will go steady GREEN	

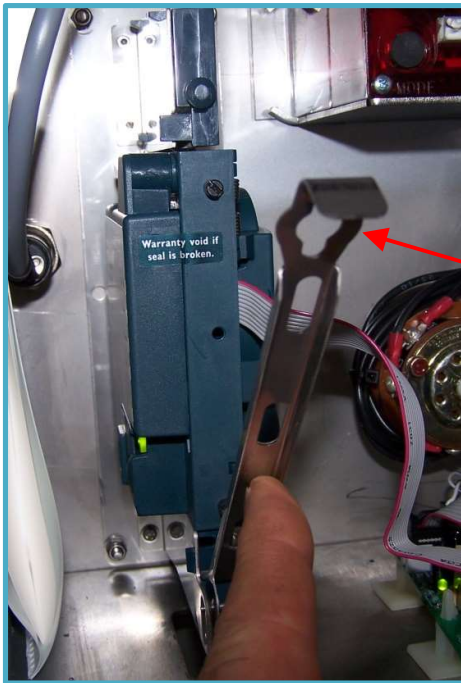
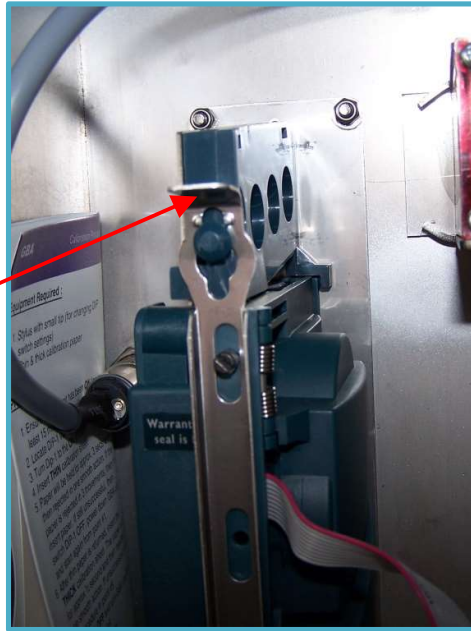
5.4 Coin Acceptor – Removal



Always disconnect power before removal of unit

Open the rear door of the customer control unit, the coin acceptor is mounted on the left-hand side. Shown on right is the stainless-steel vertical clip that holds the coin acceptor in place. Push upwards on this bracket and it will slide a short distance.

Press upwards at this point



Once the bracket slides up slightly, pull it backwards towards you. This bracket is hinged on the bottom and will simply pivot. See photo on left.

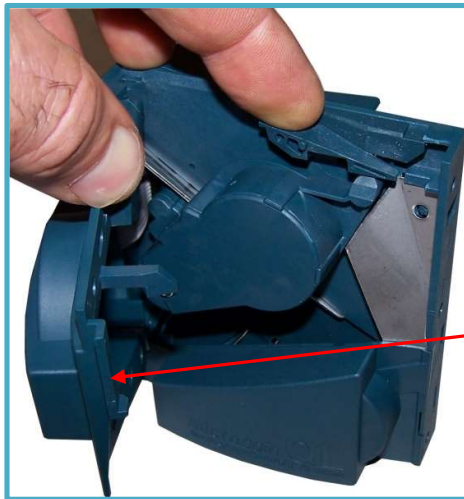
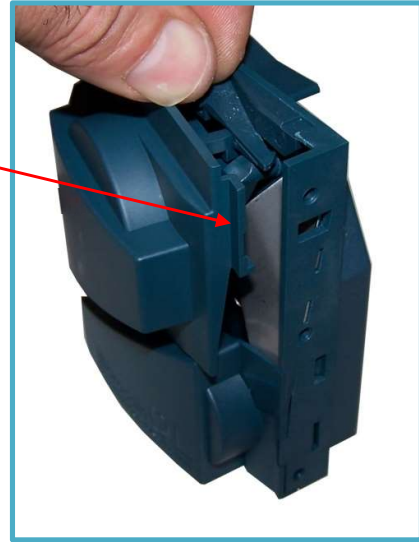
With bracket down, the coin acceptor will slide from its mount. Disconnect the small ribbon cable from the interface board as shown on right.



5.5 Coin Acceptor Cleaning

Once the coin acceptor has been removed, it can be opened for cleaning.

The coin acceptor is opened as shown on the right, the side that opens is spring loaded, and will close it self when released.



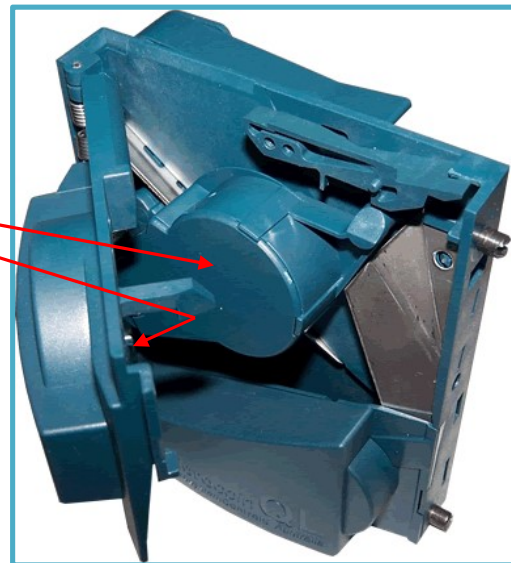
Open the side completely as shown on the left. This will allow ease of cleaning.

Using a soft damp cloth, wipe the inside area that you can see in photo on right.

Important

Do not use harsh detergents.

Once the unit has been cleaned, it is a simple case of re-inserting the unit in the reverse order that was shown on previous page.



6 Note Acceptor (GBA ST1C)

6.1 Note Acceptor Fault Codes

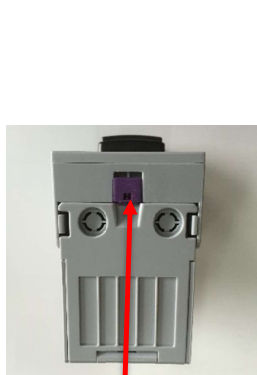
The GBA ST1C note acceptor has a built-in diagnostic: this comes in the form of an indicator light. The type of fault can be determined by the colour and whether the indicator light is constant or flashing. Below is the table to reference when trying to determine what fault the note acceptor has. The table is found on the back of the note acceptor magazine.



6.2 Cassette Fitting / Removal

To fit a note cassette to the GBA ST1C validator, ensure that the cassette lid is level with purple cassette clip of the GBA ST1C body.

1. Line up the four cassette locating studs with the four location slots in the channel and push the cassette firmly towards the validator body. The studs will locate into the joints.
2. To ensure that the cassette latch has successfully re-engaged, press down on the cassette lid.
3. **Remove the cassette by sliding the cassette clip forwards** (away from the cassette) and lifting the cassette away from the GBA ST1C unit.
4. To access notes, pinch the two grey buttons at the top of the cassette this will open lid and allow access to the notes.



Step 3 cassette clip located on top of unit



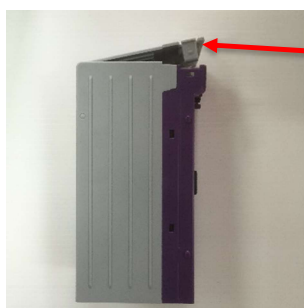
Front View of complete unit



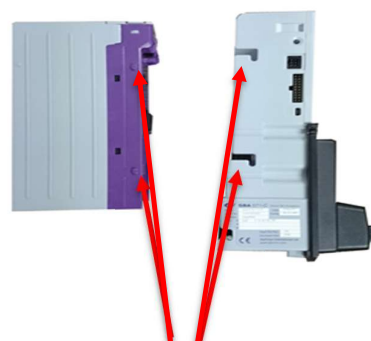
Step 1 Side view showing 2 of the 4 slots



Step 3. Sliding cassette clip forwards to lift away from GBA ST1C unit



Grey buttons are on each side of the cassette, pressing both allows the lid to be opened and access to notes



View of note cassette removed from GBA ST1C Body

6.3 Cleaning the Validator Note Path

Equipment Required:

- Cotton swab, lint-free cloth or tissue
- Cleaning Solution – a mix of up to 50% Iso-Propyl Alcohol (IPA) is recommended. Do not use more than 50% IPA. (methylated spirits can be used but is not the recommended solution)



Never use solvent based cleaning agents, such as alcohol, petrol or white spirit on this product as the unit will be severely damaged.



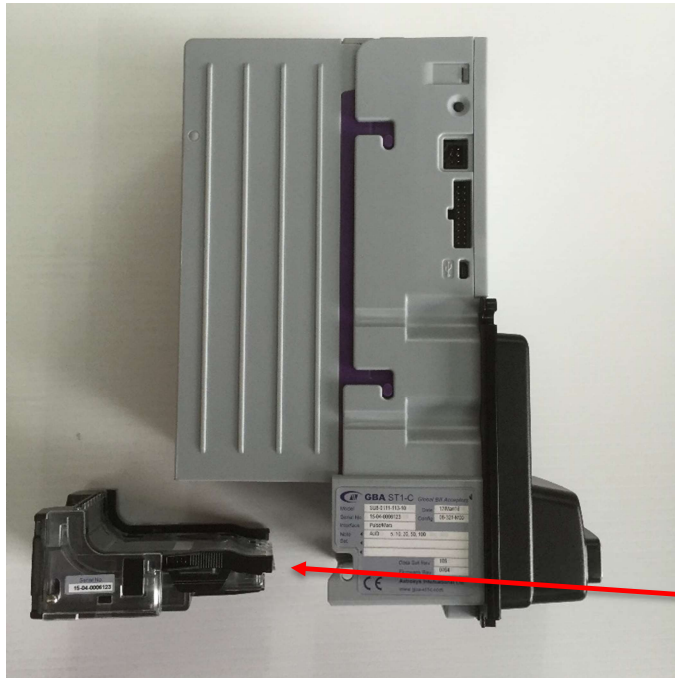
Anti-static precautions should always be observed when cleaning the GBA ST1C unit

1. Ensure the power supply to the GBA ST1C unit is switched OFF.
2. Remove the Cassette by sliding the purple clip forwards (away from the cassette) and lifting the cassette away from the GBA ST1C unit.
3. Lift the purple central tab of the bottom plate clip, and gently slide the Bottom Sensor Assembly away from the Channel Assembly.
4. Pick off and discard any large items of debris from the note path of the Bottom Sensor Assembly. Repeat for the other side of the note path (on the drive belt assembly).
5. Using the cotton swab, or lint-free cloth, wetted with cleaning solution and applying light force only, carefully clean all sensor windows in both halves (upper and lower) of the note path. If a sensor window has become badly scratched do not attempt to polish it, contact your local regional office for further advice.
6. Continue with the swab, or lint-free cloth, to clean the rest of the note path, including sprung rollers.
7. Visible parts of belts can be cleaned by wiping with a cleaning solution-soaked cotton swab or wipe. It is not possible to clean the whole belt surface without removing the belts from the unit.
8. Use an additional swab or cloth to dry the cleaned area, if required.
9. Slide the clean Bottom Sensor Assembly back into the Channel, ensuring that the bottom plate clip latches securely into both sides of the Channel.
10. Re-connect the external cables.
11. Re-fit the Cassette.
12. The supply to the unit can now be switched ON.

6.4 Clearing a Note Jam

1. Ensure the power supply to the GBA ST1C unit is switched OFF.
2. Remove the Cassette by sliding the purple clip forwards (away from the cassette) and lifting the cassette away from the GBA ST1C unit.
3. Lift the purple central tab at the bottom plate clip, and gently slide the Bottom Sensor Assembly away from the Channel.
4. Clear the jammed note(s) from the note path.
5. Re-assemble unit and switch the power supply back ON.

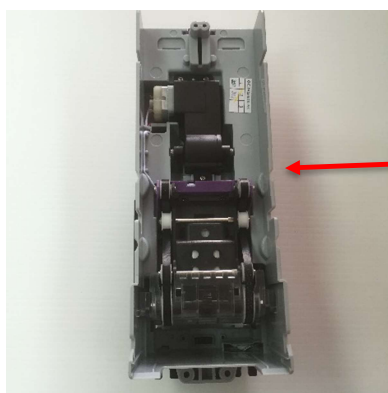




Bottom sensor slide away from cassette



View of sensor position within cassette.



Back of GBA ST1C with both cassette and sensor slide removed

6.5 Troubleshooting

Problem Symptoms	Possible Cause	Investigate	Possible Solution
Unit does not work - belt motor does not run, no LED colour	<ol style="list-style-type: none"> 1. Power supply not switched on. 2. Power supply not connected. 3. Poor electrical connection(s). 4. Unit carrying out self-test. 5. PSU failure. 	<ol style="list-style-type: none"> 1. Power supply and power cable. 2. Diagnostics indicator or illuminated note guide (if fitted). 3. Interface and 18-way cable assemblies. 	<ol style="list-style-type: none"> 1. Ensure power to validator is connected and turned on. 2. Ensure Interface and 18-way cable are connected firmly and correctly.
All programmed notes are rejected	<ol style="list-style-type: none"> 1. Acceptance inhibited for all notes. 2. MASG not working. 3. Escrow sensor not working. 	<ol style="list-style-type: none"> 1. Software configuration. 	<ol style="list-style-type: none"> 1. Use on-board button or GBA Talk to enable required notes.
Poor or no acceptance of one or more programmed notes	<ol style="list-style-type: none"> 1. Note acceptance inhibited. 2. Poor sensor readings. 3. Insufficient power supply capacity. 	<ol style="list-style-type: none"> 1. Note inhibit settings. 2. Bottom Sensor Assembly fitting. 3. Note path cleanliness. 	<ol style="list-style-type: none"> 1. Use on-board button or GBA Talk to enable required notes. 2. Use GBA Talk to check sensor levels and re-calibrate if necessary. 3. Clean validator note path.
Notes fail to stack correctly	<ol style="list-style-type: none"> 1. Escrow sensor not working. 2. Stacker motor not working. 3. Stacker mechanism not working. 	<ol style="list-style-type: none"> 1. Stacker motor cable connections. 2. Stacker jams. 3. Damaged / distorted note in cassette. 	<ol style="list-style-type: none"> 1. Ensure all cables are connected properly. 2. Ensure cassette is located correctly and free from damage.
Unit does not communicate with host machine	<ol style="list-style-type: none"> 1. Incorrect interface selected. 2. Poor electrical connection(s). 	<ol style="list-style-type: none"> 1. Configuration of validator. 2. Interface and 18-way cable assemblies. 	<ol style="list-style-type: none"> 1. Use on-board button or GBA Talk to select required interface. 2. Ensure Interface and 18-way cable are connected firmly and correctly.
Belt motor and/or stacker motor runs continuously after power ON	<ol style="list-style-type: none"> 1. Poor electrical connection(s) 	<ol style="list-style-type: none"> 1. Internal harnessing. 	<ol style="list-style-type: none"> 1. Ensure Interface and 18-way cable are connected firmly and correctly.
Unit does not provide credit for accepted note	<ol style="list-style-type: none"> 1. Incorrect interface selected. 2. Poor electrical connection(s). 	<ol style="list-style-type: none"> 1. Configuration of validator. 2. Interface and 18-way cable assemblies. 	<ol style="list-style-type: none"> 1. Use on-board button or GBA Talk to select required interface. 2. Ensure Interface and 18-way cable are connected firmly and correctly.

7 Temperature Valve

7.1 Temperature Adjustment

The temperature valve mixes the hot and cold water to a safe temperature. The base setting is 35° Celsius. In some instances, operators may wish to increase or decrease the water temperature slightly to compensate for seasonal changes.

Adjustment procedure:

1. Remove blue cap/tool from the end of valve (labelled 'A')
2. Using a wrench undo the lock nut before adjusting.



Do not wind adjustment out all the way as this can damage the valve.

3. Using the provided tool rotate clock-wise to decrease temperature and anti-clockwise to increase temperature.

Important

NOTE: Temperature will change with the slightest adjustment. Care should be taken not to over-adjust. If in doubt check water temperature with a thermometer and DO NOT EXCEED 38° Celsius.

8 Dryer

The Petbarn K9000 Lite can come with either a non-heated (standard) or heated dryer.

8.1 Non Heated Dryer Details

The standard K9000L dog wash comes with a fully fitted 2x1100 dryer. It does not require any action as part of the installation process.

Standard 2x1100 Dryer



8.2 Heated Dryer

The Petbarn K9000 Lite dog wash, if requested can come equipped with an adjustable blower heat setting for drying dogs.

8.2.1 Heated Dryer Settings

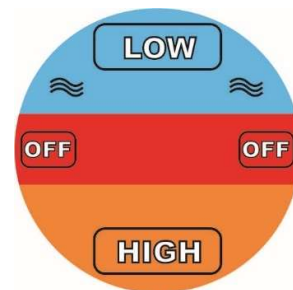
The K9000 dog wash comes equipped with an adjustable blower heat setting for drying dogs. This is controlled by a toggle switch.



Heat
Toggle
Switch

HEAT SWITCH

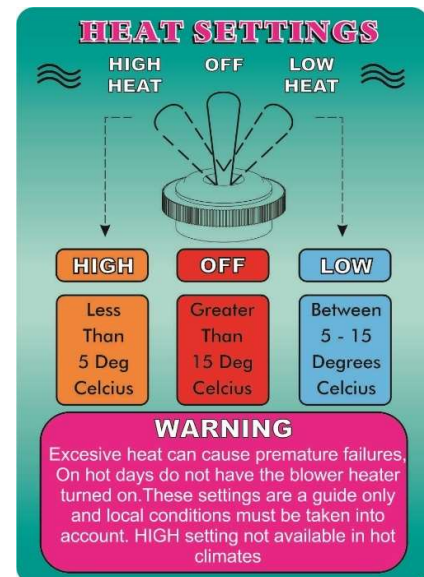
This toggle switch is marked with the sticker shown on the right. The setting of this switch is dependent on the temperature range the dog wash unit is being operated in. i.e. the temperature of the day.



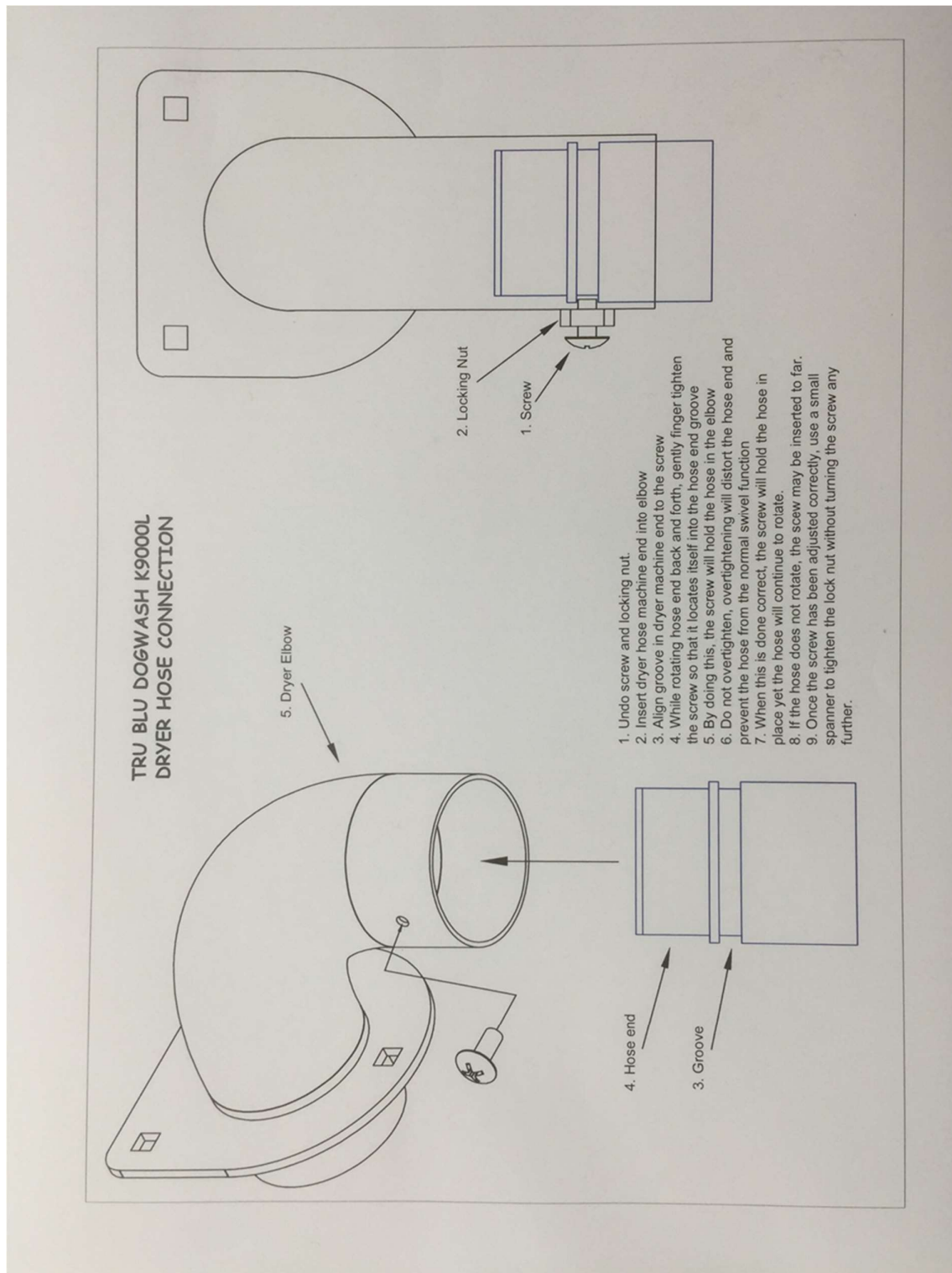
HEAT SWITCH SETTINGS

Using the picture shown on the right, set the heat switch to the appropriate position, taking into consideration the temperature range that the dog wash is operating in. The sticker shown on right is also stuck onto the K9000® dryer. Use HIGH when it is less than 5 deg, use LOW when it is 5 – 15 deg and use the OFF position when the temperature is greater than 15 deg.

HIGH SETTING NOT AVAILABLE IN HOT CLIMATES



8.3 Dryer Hose Connection



9 Override Key (Wash Down Key)

The K9000L® is equipped with an “OVERRIDE KEY”

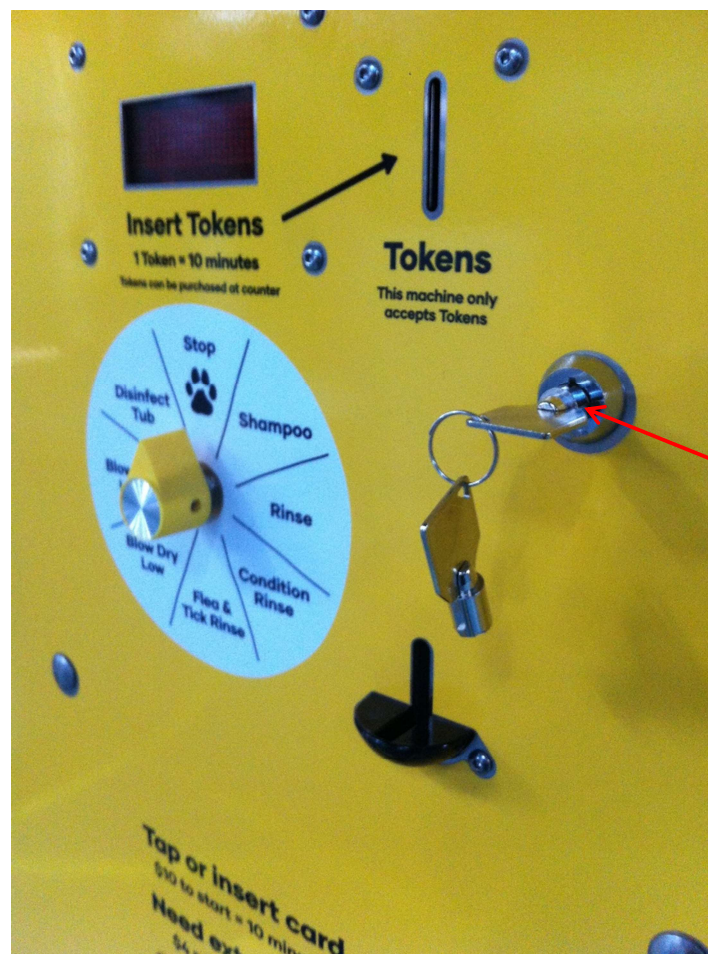
The operation of this key enables the owner/attendant to operate the wash down facility without inserting any money.

During this wash down function, all selections on the rotary dial are available except the dryer.

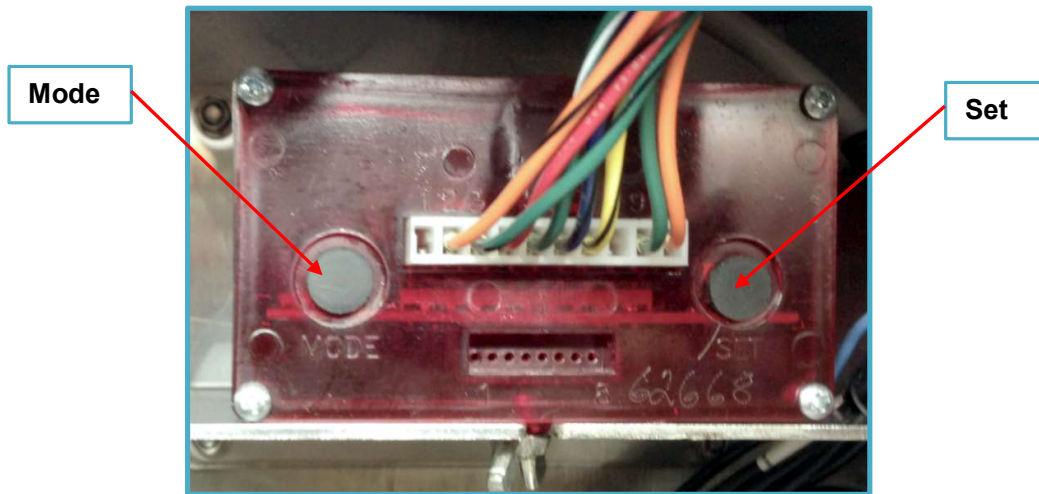
This wash down function is not to be used for washing dogs.

Important

Remove key after wash down is complete.



10 LED 6 Operating and Programming Instructions



Push Mode to change from item to item. Push set to set desired value or choose option for that item. Pushing Set repeatedly causes numbers to increase. Holding Set causes numbers to decrease.

The symbol \square represents a programmable digit. Default values are shown in [].

ITEM	DISPLAY/OPTIONS	REPRESENTS
1	COIN VALU[\$.25] K9000 set to 1.00	The monetary value assigned to a single coin pulse. Adj. from \$0.05 to \$5.00
2	C: $\square\square$ [30] K9000 set to 1.00	Time per coin/pulse. Adj. from 0:01 to 9:59.
3	S $\square\square\square$ [008] K9000 set to 10	Number of coins/pulses to start. Adj. from 1 to 200.
4	AUX VALU CN. $\square\square$ [4] K9000 set to 1	Auxiliary coin/pulse input pulse multiplier. Adj from 1 to 80
5	B $\square\square\square$ [9] Leave	Coins/Pulses to bonus. Bonus time is given when this coin/pulse is received.
6A	BOUNS TIME $\square\square$ ##	Amount of time added for bonus/pulse.
6B	$\square\square\square\square$ [00:00] Leave	Adj. from 00:00 to 99:59.
7	[SINGLE BOUNS] MULTIPLE BONUS REPEAT BONUS Leave	Bonus time is only added one time when bonus coin pulse is received. Bonus time is added for every coin after bonus coin pulse is received. Bonus time is added when bonus coin pulse is received and added again for every multiple of bonus coin (i.e. 20 th coin, 40 th coin, 60 th coin, etc.)
8	[SHOW BONUS TIME] HIDE BONUS TIME Leave	Bonus time is added to time remaining and timer counts down normally. Bonus time is added to time remaining. Timer display then changes to show "-- On -- "until time expires.
9	[DEBIT MODE] CREDIT MODE BOTH K9000 set to Debit Mode	Money counts down as coins are inserted. Money counts up as coins are inserted. Money counts up as coins are inserted, plus a prompt of "ADD \$X MORE" if start price is not reached.
10	[DELAYED START] INSTANT START K9000 set to Delayed Start	Two second delay before timing starts after start price is reached. Timing starts as soon as start price is reached.
11	HL $\square\square$ [10]	Length of warning horn is seconds at one minute of time remaining.

	K9000 set to 10	
12	[PULSED HORN] CONTINUOUS HORN K9000 set to Pulsed Horn	Horn output will pulse for amount of time set in HL <input type="checkbox"/> <input type="checkbox"/> Horn output will stay on continuously for entire last minute.
13	[RESTART OFF] RESTART ON K9000 set to Restart On	Restart feature turned off. Full price required after time expires. Timer may be restarted with one coin for 20 seconds after time expires.
14	GT: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> [25]	Amount of time given to restart timer. Adj. from 20 sec to 60 sec.
15	[STD] USER MIX RTRO K9000 set to Standard Settings	Standard greeting message is displayed. User programmed custom greeting message is displayed. Standard message then custom message is displayed. Price to start is displayed. No scrolling message.
16	M <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> [5:00] Leave	Length of wash down cycle using remote control. Adj. from 0:00 to 9:59.
17	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> [1 2 3 4] Leave	Adjustable remote access code.
18	CC PULSE VALUE \$ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> [\$.25] Leave	Monetary value assigned to credit card pulse received on pin #8 during count up.
19	[DOLLARS ON COUNT UP] SECONDS ON COUNT UP	During credit card use, timer displays dollar amount charged to card as it accumulates. During credit card use, timer displays time counting up/
20	[ENG] SPH E & S K9000 set to Standard Settings	Standard message and prompt is displayed in English. Standard message and prompt is displayed in Spanish. Standard message and prompt is displayed in English then displayed in Spanish.
21	EXIT	Timer returns to standby.

11 Floor Lifting Tool

The following procedure is to be used for the lifting of the floor on the K9000L Dog Wash.



Caution should be taken when raising the floor as there are pinch points between the floor and the base of the unit. Ensure tool and gloves are used.

Floor Lifting Tool

The tool shown opposite is to be used for lifting the dog wash floor when needed. It is also required that “rigger” gloves be worn when performing this task.



To lift the dog wash floor, open the dog entry door, using the tool as shown above, slide the hooked end under the front edge of the floor and slide sideways until the hooked end locates into one of the notches in the front edge, then lift.

Once the floor has been lifted sufficiently, grasp the floor's front edge with your free hand and release the tool. Ensure that you are wearing proper protective gloves, *rubber gloves are not sufficient*. If you wish to wear rubber gloves, ensure that you wear a pair of “rigger” gloves as well (double glove).



12 Operator Maintenance

The K9000L can operate in temperatures from 5-40 degrees Celsius if you experience temperatures outside of this range check with your plumber for appropriate insulation.

To gain access to the cabinet, unlock the pad lock and open the door by using the handle. Use the override key supplied to access the dog wash functions. The below Maintenance Schedule needs to be implemented to ensure the dog wash runs at its best and complies with the warranty.

12.1 Maintenance Schedule

***DAILY:**

- Clean dog wash area and rinse unit with wash.

***MONDAY & FRIDAY:**

- Collect Money + record timer reading.
- Lift floor platform, remove hair from filter screen and rinse with wash gun. If the dog wash is indoors, perform this action every 25 dogs.
- Open cabinet, check soap levels and change if required.
- Check for air in product lines, bleed if necessary.

***WEEKLY:**

- Clean down stainless steel with INOX (WD spray), wipe with rag. Do not use abrasive cleaning products.

***MONTHLY:**

- Clean dryer filter and surfaces (this includes top & bottom).
- Clean coin mechanism.
- Clean note validator.
- Check the rotary dial is tight, tighten as necessary.
- Check dog restraints in tub (chains, attachments & fittings).
- Check tub door latch.
- Flush drains, refer to cleaning section for instructions.

3 MONTHLY:

- Clean dryers, remove excess hair from bottom of foam filter, clean all surfaces (includes top & bottom)
- Clean coin mechanism.
- Clean note validator.
- Check the rotary dial is tight, tighten as necessary.
- Check dog restraints in the tub (chains, attachments & fittings).
- Check tub door latch.
- Flush drains, refer to cleaning section for instructions.
- Empty product overflow bucket.

- Check condition of product line tubes (black & clear), no kinks, tube in product tubs touch the bottom etc.
- Check wash gun operation, head rotation and swivel, replace if necessary.
- Check each of the dryer clamps, tighten as necessary.
- Check dryer hose swivel.

At the completion of the 3 monthly maintenance update the maintenance record, section 15 of this manual.

***6 MONTHLY:**

- Clean dryers, remove excess hair from bottom of foam filter, clean all surfaces (includes top & bottom).
- Clean coin mechanism.
- Clean note validator.
- Check the rotary dial is tight, tighten as necessary.
- Check dog restraints in the tub (chains, attachments & fittings).
- Check tub door latch.
- Flush drains, refer to cleaning section for instructions.
- Empty product overflow bucket.
- Check condition of product line tubes (black & clear), no kinks, tube in product tubs touch the bottom etc.
- Check each of the dryer clamps, tighten as necessary.
- Check dryer hose swivel.
- Replace Wash Gun
- Check wash gun hose assembly, replace if necessary.

At the completion of the 6 monthly maintenance update the maintenance record, section 15 of this manual.

***YEARLY (Or more frequently for high volume sites):**

- Clean dryers, remove excess hair from bottom of foam filter, clean all surfaces (includes top & bottom).
- Clean coin mechanism.
- Clean note validator.
- Check the rotary dial is tight, tighten as necessary.
- Check dog restraints in the tub (chains, attachments & fittings).
- Check tub door latch.
- Flush drains, refer to cleaning section for instructions.
- Empty product overflow bucket.
- Check condition of product line tubes (black & clear), no kinks, tube in product tubs touch the bottom etc.
- Check each of the dryer clamps, tighten as necessary.
- Check dryer hose swivel.
- Replace Wash Gun.
- Check wash gun hose assembly, replace if necessary.
- Replace Dryer hose assembly.

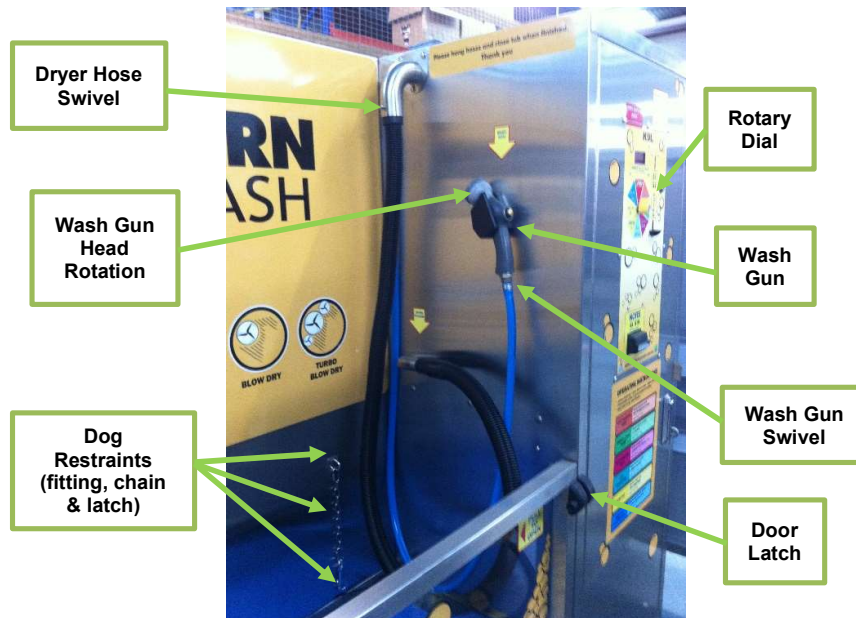
- Using warm water flush out flush out all 4 pumps, suction lines, foot valves and the actual product containers, replace as necessary.
- Yearly service to be carried out by authorized Technician.

At the completion of the yearly maintenance update the maintenance record, section 15 of this manual.

**Note: No service replaces another meaning that if one service falls due at the same time as another, then both should be carried out. i.e. The Daily, Monday & Friday, Weekly and Monthly maintenance schedules could all be due and occur on the same day.*

12.2 External Maintenance Items

The following pictures highlights some of the external parts of the dog wash requiring maintenance.



12.3 Rotary Dial Maintenance

The rotary dial should be checked each month to ensure it has not become loose. If it is found to be loose, use an allen key to tighten the screw that holds it in place.



12.4 Dryer Maintenance

Dryers need to be cleaned by hand each month to remove any hair that may have collected. Ensure you clean the bottom off the dryer as the foam filter is at the base of the dryer.



This picture highlights the 4 foam filters located at the base of the dryer that require cleaning

The internal dryer clamps should be checked every 3 months to ensure that the dryer pipes do not become loose. If either connection is found to be loose use a screwdriver to tighten the screws that hold it in place.



Please note heated dryers only have the one clamp but have a screw that needs to be tightened.



12.5 Cleaning

- Put on suitable protective clothing, gloves, apron, and protective glasses.
- Use the wash down key to turn the machine on, select the rinse option on the rotary dial and wash the tub area of the dog wash using the dog washing gun, rinse all the excess under the edge of blue floor and turn the gun off.
- Lift the tilt floor and hold in place with the support rod attached under the floor.



Caution should be taken when raising the floor as there are pinch points between the floor and the base of the unit. Ensure tool used (refer section 11).

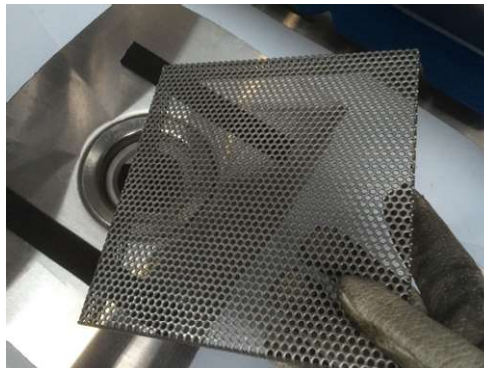


Rod attachment

- Do not remove any filters yet. Using a small plastic scoop gather and remove the excess hair that has collected under the tilt floor area and dispose into rubbish bin. Do not flush this down any drains.
- Lift and remove the square stainless-steel filter in the middle of the floor area, clean this of any hair or solids. Put this filter to one side.



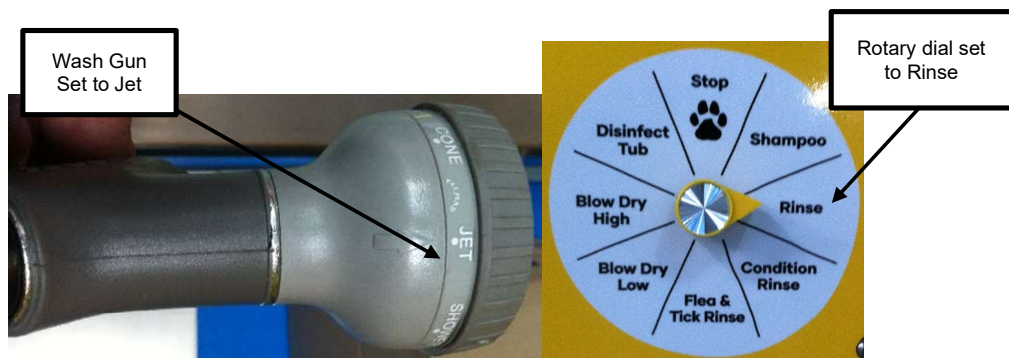
Warning the stainless-steel filter can have sharp edges, “rigger” gloves need to be worn to protect against injury. If required, you can wear rubber gloves underneath the “rigger” gloves.



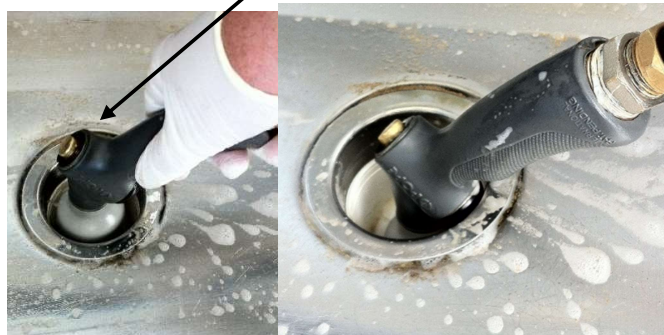
- Turn the wash gun back on and wash anything that remains in the under-floor area down the drain in the middle of the floor area, take note to wash the bottom side of the blue tilt floor. Turn wash gun off.
- Now remove the cylindrical filter from the drain in the middle of the floor. This simply pulls out, and has a small lip to enable removal. Empty contents into the rubbish; do not flush down any drains. While this filter is removed, do not wash or flush anything down the dog wash drain. Replace the cylindrical filter, and put the square filter back into position.



While the cylindrical filter is removed, place the wash gun in the drain, set the wash gun to “JET”, rotary dial selection to RINSE and flush the drain. Run the water gun for 20 seconds, if there are issues with the water draining away you may need to contact your plumber. Replace the cylindrical filter, and put the stainless-steel filter back into position.



Place the wash gun in the drain press on button, you don't need to hold the gun place



- Turn the wash gun back on, select the disinfect option on the rotary dial and wash the under-floor area, return tilt floor to the down position. While still on disinfect, wash down the tub area of the dog wash. Turn gun off, remove wash down key and select the stop option on the rotary dial.



- Using soft cloth, wipe over the control panel and operator area of the dog wash. Do not use abrasive solvents.
- Clean the stainless steel by wiping down with soft cloth and INOX or WD40 spray. Do not use abrasive cleaning products and wipe down in the direction of the brushed finish.

13 General Information

It is not recommended that any person with an open wound wash a dog unless suitable protection is worn, for example if the wound is on the hand then latex or rubber gloves be worn.

It is also recommended that if a dog has broken skin it should not be washed.

13.1 Canine parvovirus



Keeping your dog wash clean.

The canine parvovirus is extremely virulent and contagious and is spread from dog to dog by direct or indirect contact with their faeces. The virus is extremely hardy and has been found to survive in faeces and other organic material such as soil for over a year. It survives extremely cold and hot temperatures. The only household disinfectant that kills the virus is bleach. Canine parvovirus will not infect humans.

If when carrying out your routine cleaning of your dog wash you discover dog faeces in or around the area, we suggest this be removed and the area disinfected with a household bleach product.

This is a very small piece of information regarding the canine parvovirus, we would strongly recommend that you familiarise yourself with more detailed information relevant to your location & situation. Useful links for further information are listed below.

http://en.wikipedia.org/wiki/Canine_parvovirus

<http://www.peteducation.com/article.cfm?c=2+1556&aid=467>

13.2 Instruction “How To” Videos

The Tru Blu K9000 website has a list of helpful videos to complement this manual, the link to the Tru Blu K9000 website is <https://trubludogwash.com.au/resources/helpful-videos/>

Videos Include:

- Your K9000 Arrives
- Introduction and Commissioning
- K9000 Dog Wash Routine Maintenance
- Setting Up Suction Lines
- How to bleed the pump on a K9000 Dog Wash
- How to bleed the new style pump
- Driving the K9000 2.0 Menu
- How to program the Timer on your Dog Wash
- How to Program the tokens on your Dog Wash
- How to change the soap on the K9000 Dog Wash

- How to change a wash gun on the K9000 Dog Wash
- How to look after the stainless steel on your K9000 Dog Wash
- How to clean your K9000 Dog Wash

14 MSDS Attachments

14.1 Material Safety Data Sheet (MSDS) Fido's Everyday Shampoo



TB-MSDS-025 Fido's
Everyday Shampoo Su

14.2 Material Safety Data Sheet (MSDS) Fido's Crème Conditioner



TB-MSDS-026 Fido's
Creme Conditioner Su

14.3 Material Safety Data Sheet (MSDS) Fido's Fre-Itch Rinse Concentrate



TB-MSDS-029 Fido's
Fre-Itch Rinse Concentr

14.4 Material Safety Data Sheet (MSDS) Fido's Hydrobath Flush



TB-MSDS-028 Fido's
Hydrobath Flush Sumr

15 Maintenance Record

The following record of maintenance needs to be completed at the time maintenance occurs. This will assist with any warranty claim.

[illegible]