



PETROL PRESSURE WASHER

4200 PSI - 16 HP

INSTRUCTION MANUAL



FBPPW-4200

0525

**12
MONTH**

**TRADE
WARRANTY**

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SPECIFICATIONS

Engine:	16.0 HP, 4-Stroke
Displacement:	459cc
No Load Speed:	3,600rpm
Rated Flow:	15.1 L/min
Fuel Type:	Unleaded petrol 91 RON
Fuel Tank Capacity:	6.0 Litres
Engine Oil Type:	SAE30, 10W30
Oil Sump Capacity:	1.2 Litres
Detergent Tank:	6.0 Litres
Permissible Pressure:	4200 psi (290 bar)
Water Pump Oil Type:	SAE15W40
Water Pump Oil Capacity:	300ml
Inlet Water Temp. Max.:	50°C
Noise Level:	115 dB
Gross Weight:	67kg

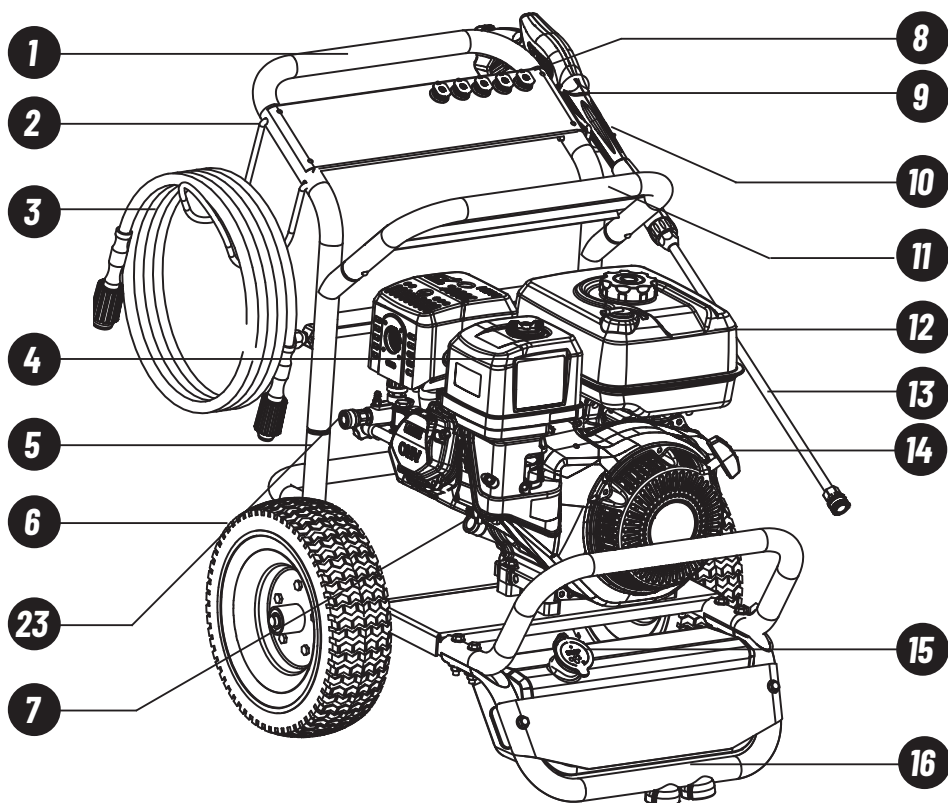
PACKAGE CONTENTS

1 x Petrol Pressure Washer	1 x Spray Gun Holder
1 x Gun & Lance	1 x Siphon
5 x Spray Nozzles (0°, 15°, 25°, 40°, Soap)	1 x Tool Kit
1 x 20m High Pressure Hose	1 x Screwdriver D/Ended Cross and Standard
2 x Wheels	1 x Spanner M8 x M10
1 x Axle (2 x Washers & R-Clips)	1 x Spanner M13 x M15
1 x Hose Holder	

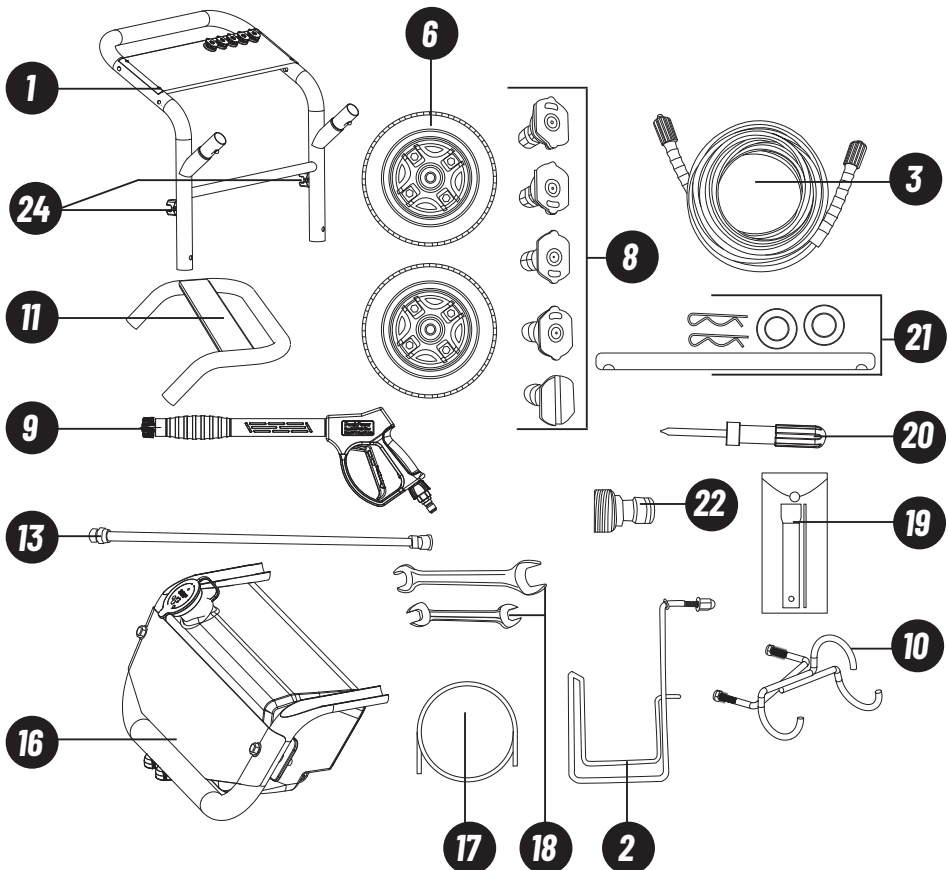
KNOW YOUR PRODUCT

Pressure Washer

- | | |
|---|-------------------------|
| 1. Top Handle (Bolts, nuts & washers x 2) | 9. Spray Gun |
| 2. Hose Holder | 10. Spray Gun Holder |
| 3. High Pressure Hose | 11. Engine Guard Frame |
| 4. Air Filter | 12. Fuel Tank |
| 5. Base Frame | 13. Lance |
| 6. Wheel x 2 | 14. Recoil Starter |
| 7. Oil Filler | 15. Detergent Tank Cap |
| 8. Nozzles x 5 | 16. Front Support Frame |



- 17. Detergent Syphon
- 18. Spanner x 2 (M8 x M10 & M13 x M15)
- 19. Tool Kit
- 20. Screwdriver D/Ended Cross & Standard
- 21. Axle x 1 (Washer & R-Clip x 2)
- 22. Water Adaptor
- 23. Pump with Pressure Adjustment Valve
- 24. Lance Holder



SAFETY INSTRUCTIONS



WARNING! When using fuel powered tools, basic safety precautions, including the following, should always be followed to reduce risk of fire, electric shock, personal injury and material damage.

Read and understand the manual prior to operating this tool.

Save these instructions and other documents supplied with this tool for future reference.

GENERAL SAFETY WARNINGS



WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

RISK OF EXPLOSION OR FIRE

What can happen:

- Spilled petrol and its vapours can become ignited from cigarette sparks, electrical arcing, exhaust gases and hot engine components such as the muffler.
- Heat will expand fuel in the tank which could result in a fire.
- Operating the tool in an explosive environment could result in a fire.
- Muffler exhaust heat can damage painted surfaces, melt any materials sensitive to heat (such as siding plastic, rubber or vinyl) and damage live plants. Keep hot tool away from other objects.
- Improperly stored fuel could lead to accidental ignition. Fuel improperly secured could get into the hands of children or other unqualified persons.

How to prevent it:

- Shut off engine and allow it to cool before adding fuel to the tank.
- Use care when filling the tank to avoid spilling fuel. Move tool away from fuelling area before starting engine.
- Keep maximum fuel level 20mm below top of tank to allow for expansion.
- Operate and refuel in well ventilated areas free from obstructions. Never re-fuel indoors.
- Store fuel in a approved container (AS/NZS 2906-1999) for petrol. Store in a secure location away from the work area. Make sure the container is clearly marked "fuel".

RISK TO BREATHING

What can happen:

- Breathing exhaust fumes can cause serious injury or death.

How to prevent it:

- Operate tool in a well ventilated area. Avoid enclosed areas.
- Never operate unit in a location occupied by other people or animals.

SAVE THESE INSTRUCTIONS

1) Work area safety

- a) Keep work area clean and well lit. Cluttered and dark areas invite accidents.**
- b) Do not operate petrol tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** *Power tools create sparks which may ignite the dust or fumes.*
- c) Keep children and bystanders away while operating a petrol tool.** *Distractions can cause you to lose control.*

2) Personal safety

- a) Stay alert, watch what you are doing and use common sense when operating a petrol tool.** *Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.*
- b) Use safety equipment. Always wear eye protection.** *Safety equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) Remove any adjusting key or wrench before turning the tool on.** *A wrench or a key that is left attached to a rotating part of the petrol tool may result in personal injury.*
- d) Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the petrol tool in unexpected situations.*
- e) Dress properly. Do not wear loose clothing or jewellery.** *Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.*
- f) If devices are provided for the connection of dust extraction and collection facilities ensure that these are connected and properly used.** *Use of these devices can reduce dust related hazards.*

3) Petrol use and care

- a) Do not force the petrol tool. Use the correct petrol tool for your application.** *The correct petrol tool will do the job better and safer at the rate for which it was designed.*
- b) Do not use the petrol tool if the switch does not turn it on and off.** *Any petrol tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) Turn tool off completely before making any adjustments, changing accessories, or storing petrol tools.** *Such preventive safety measures reduce the risk of starting the petrol tool accidentally. Hair can be caught in moving parts.*
- d) Store idle petrol tools out of the reach of children and do not allow persons unfamiliar with the petrol tool or these instructions to operate the petrol tool.** *Petrol tools are dangerous in the hands of untrained users.*
- e) Maintain petrol tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the petrol tool's operation.** *If damaged, have the petrol tool repaired before use. Many accidents are caused by poorly maintained petrol tools.*
- f) Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

GENERAL SAFETY WARNINGS

- g) Use the petrol tool, accessories and tool bits etc., In accordance with these instructions and in the manner intended for the particular type of petrol tool, taking into account the working conditions and the work to be performed. *Use of the petrol tool for operations different from intended could result in a hazardous situation.*
- h) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- i) Children should be supervised to ensure that they do not play with the appliance.

4) Service

- a) Have your petrol tool serviced by a qualified repair personnel using only identical replacement parts. This will ensure that the safety of the petrol tool is maintained. This will ensure that the safety of the power tool is maintained.



WARNING! The engine and muffler becomes very hot during operation and remains hot for a while after stopping the engine. Be careful not to touch these components while it is hot. Let the engine cool before storing indoors.



WARNING! Exhaust contains poisonous carbon monoxide. Do not operate pressure washer in confined area. Be sure to operate the pressure washer in a well-ventilated environment or with an aerator. Using a pressure washer indoors will kill you in minutes. Never use in the home or in a partly enclosed area such as garages. Only use outdoors and far from open windows doors and vents.



WARNING! Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You cannot smell it, see it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas. If you start to feel sick, dizzy, or weak while using this product, get fresh air right away. See a doctor. You may have carbon monoxide poisoning.



WARNING! Do not operate in hazardous location e.g. Where there may be a risk of explosion of petrol fumes, leaking gas or explosive dust.



WARNING! Do not operate in a confined area where exhaust gases, smoke or fumes could reach dangerous concentrations



WARNING! Do not refuel while engine is running.

PRESSURE WASHER SAFETY WARNINGS

RISK OF UNSAFE OPERATION

What can happen

- *Unsafe operation of your high pressure cleaner could lead to serious injury or death to you or others.*
- *The spray gun/wand is a powerful cleaning tool that could look like a toy to a child.*
- *Reactive force of spray results in gun/lance movement, potentially causing the operator to slip, fall or misdirect the spray. Improper control of gun/wand can result in injuries to self, others and property damage.*

How to prevent it

- *Become familiar with the operation and controls of the pressure cleaner.*
 - *Keep children away from the pressure cleaner at all times.*
 - *Never modify or remove the safety features of this product.*
 - *Do not operate the machine with missing, broken or unauthorised parts.*
 - *Never leave wand unattended while unit is running.*
 - *Keep work area free of obstacles.*
 - *Stand on stable surface and grip gun/lance firmly. Expect the gun to kick back when engaged*
- 1) *Do not use to pump flammable or explosive liquids such as gasoline, fuel oil, kerosene, solvents or thinners. Pump should only be used with liquids compatible with water blaster component materials. Failure to follow to this warning can result in serious personal injury, death and/or property damage.*
 - 2) *Water high presser cleaner must be located on a solid level surface. Pump could tip or fall causing serious injury.*
 - 3) *Do not hold or suspend pump by means of a discharge pipe. Pipe could break or come loose.*

WARNING!: *This appliance has been designed for use with the cleaning agent supplied or recommended by the manufacturer. The use of other cleaning agents or chemicals may adversely affect the safety of the appliance.*

WARNING!: *Do not use the appliance within range of persons unless they wear protective clothing.*

WARNING!: *High pressure jets can be dangerous if subject to misuse. The jet must not be directed at persons, live electrical equipment or the appliance itself.*

- *Do not direct the jet against yourself or others in order to clean clothes or foot-wear.*
- *To ensure appliance safety, use only original spare parts from the manufacturer or approved by the manufacturer.*

WARNING!: *High pressure hoses, fittings and couplings are important for the safety of the appliance. Use only hoses, fittings and couplings recommended by the manufacturer.*

- *Do not use the appliance if a supply cord or important parts of the appliance are damaged, e.g. safety devices, high pressure hoses, trigger gun.*

WARNING!: *Water that has flowed through back flow preventer is considered to be non-potable.*

ASSEMBLY



WARNING! Some parts are heavy, two-person lift may be required to avoid injury.

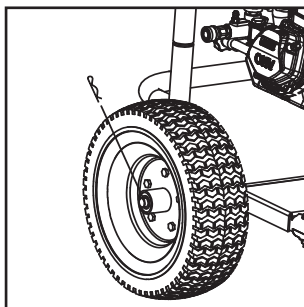
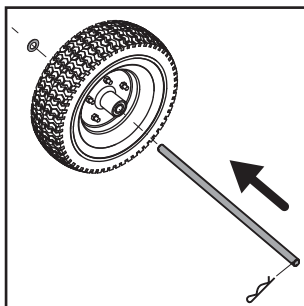


WARNING! Ensure the tool has been shut off and completely stopped before performing any of the following operations.

WHEELS & AXLE

Parts required: Wheel x 2 (6), Axle (21)

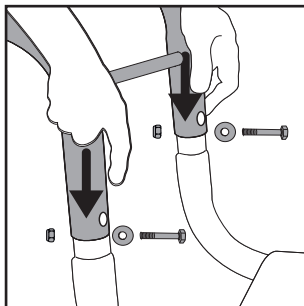
1. Slide a R-Clip through the hole in one end of the Axle.
2. Slide the axle onto the Wheel and place a Washer on end of the axle before sliding the axle through the hole in the base frame.
3. Place a washer on the protruding end of the axle followed by the second wheel.
4. Secure the wheel on the axle with a R-clip.



TOP HANDLE

Parts required: Top handle (2 x bolts, nuts & washers) (1).

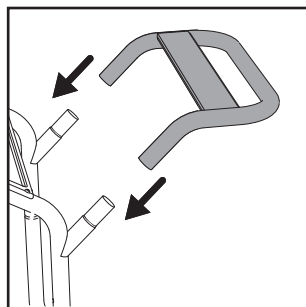
1. Line up Top Handle open tubing with Base Frame open tubing.
2. Slide top handle over frame tubing making sure bolt holes align .
3. Make sure handle is firmly secured with the 2 bolts, nuts and washers.



ENGINE GUARD FRAME

Parts required: Engine Guard Frame (11).

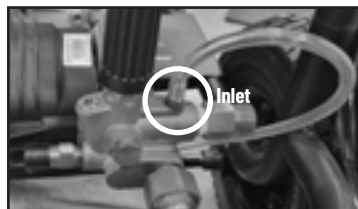
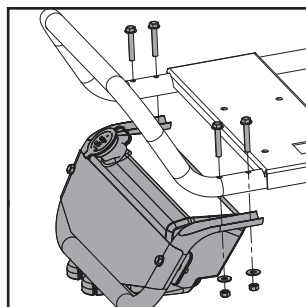
1. Line up Engine Guard Frame open tubing with Base Frame open tubing.
2. Slide Engine Guard Frame over Base Frame tubing making sure clip locks snap through holes on handle.



FRONT SUPPORT FRAME

Parts required: Front Support Frame (16) and Detergent Syphon (17)

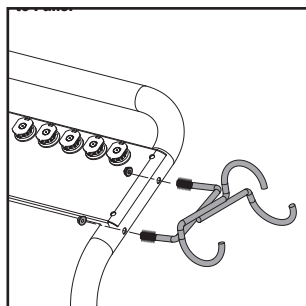
1. Place the front support frame under the base frame (5), aligning the holes in each frame.
2. Fit bolts through the holes in the base frame, place a washer and fasten the nuts using a spanner.
3. Attach one end of the Detergent Syphon to the Detergent Bottle and the other end to the pump detergent inlet.



SPRAY GUN HOLDER

Parts required: Spray Gun Holder (10)

1. Attached the spray gun holder to the top handle.
2. Secure in place with nut and washer.

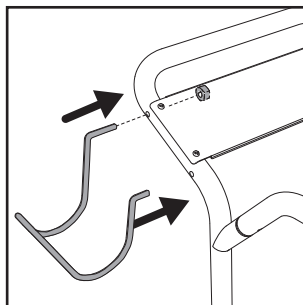


ASSEMBLY

HOSE HOLDER

Parts required: Hose Holder (2)

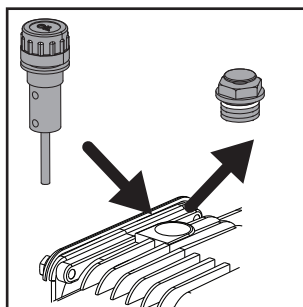
1. Attached the spray gun holder to the top handle (1) frame.
2. Secure in place with washer and nut.



TRANSPORT PLUG

1. Remove the red transport shipping plug on the pump and install the supplied pump breather/ dipstick.

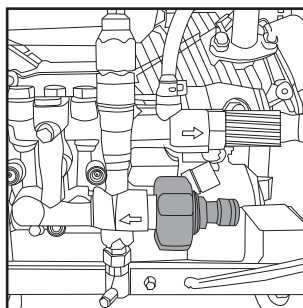
Note: The pump is delivered filled with oil. Refer to the maintenance section (page 25) for checking and replacing the pump oil.



WATER ADAPTOR

Parts required: Water Adaptor (22)

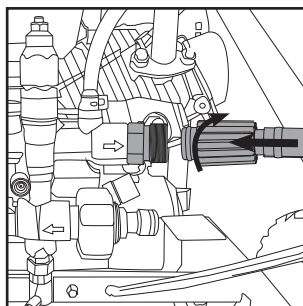
1. Attached the water adaptor to the pump water inlet.



HIGH PRESSURE HOSE

Parts required: High Pressure Hose (3)

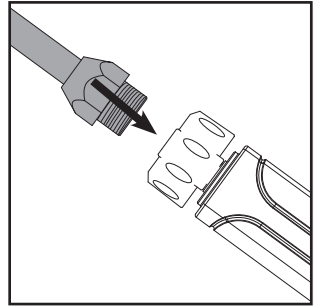
1. Thread one end onto the high pressure pump outlet.
2. Tighten the collar by hand to secure.



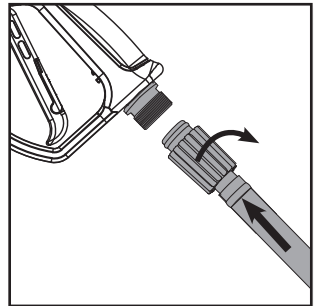
SPRAY GUN

Parts required: Spray Gun (9) and Lance (13)

1. Thread lance onto spray gun.
2. Tighten the collar by hand to secure the lance to the spray gun.



3. Thread the free end of the high pressure hose (3) onto the spray gun.
4. Tighten the collar by hand to secure the hose to the spray gun.

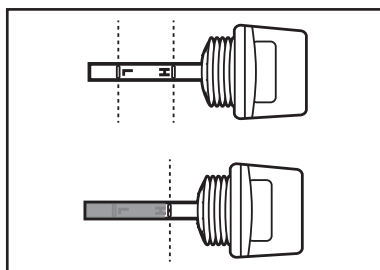
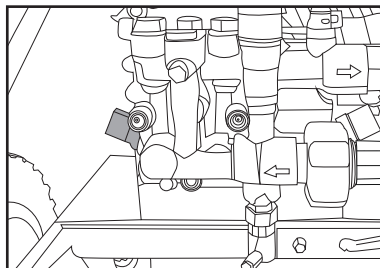


SETUP & PREPARATION

ENGINE OIL

Note: The petrol pressure washer is shipped without oil and must be filled before starting. Engine sump capacity 1.2 litres. (Use SAE30 or 10W30 oil).

1. Place pressure washer on a flat, level surface with the engine stopped.
2. Remove the oil filler cap and wipe the dipstick with a clean rag. Check the oil level by inserting the dipstick in the filler hole without screwing it in and then removing it again.
3. If the oil level is below the end of the dipstick, refill use a funnel, do not tip pressure washer until it registers on the halfway mark of the dipstick. Use premium quality 4-stroke engine oil. Recommended SAE30 or 10W30 for most climate conditions in Australia.



Note: Low Oil Cut-out will shut off the engine if the oil level becomes lower than required. This protects your pressure washer engine from operating without proper lubrication.

If the engine shuts off and oil level is within specifications check to see if the pressure washer is sitting at an angle that forces oil to shift. Place on an even surface, if the engine fails to start, the oil level may not be sufficient to deactivate low oil level sensor. Add oil as described above.



WARNING! Never use non-detergent oil or 2-Stroke engine oil. This may damage the engine beyond repair.



WARNING! Do not move the Pressure Washer when running. This may unsettle the oil level and force the engine to stop. If this occurs, place the Pressure Washer on level surface and allow to sit for 5 minutes for sensor to register oil level. After 5 minutes, begin restart procedure.

FUEL



WARNING! Keep away from cigarettes, smoke and sparks when refuelling the engine.

Always refuel in a well-ventilated location.

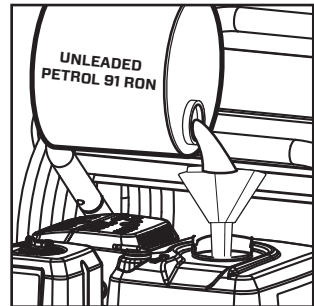
WARNING! Be careful not to spill fuel when refuelling. Spilled fuel or fuel vapour may ignite. If any fuel is spilled, make sure the area is dry before starting the engine.

WARNING! Do not over fill the fuel tank (12).

WARNING! Do not refill tank (12) while engine is running or hot.

Note: Only use unleaded 91 RON (Research Octane Number) petrol. Purchase fuel in quantities that can be used every 30 days to prevent gum or foaming inside the container and/or fuel tank.

1. Place the pressure washer on a flat level surface.
2. Ensure the engine is switched OFF.
3. Remove the fuel cap from the top of the fuel tank (12).
4. Carefully fill the tank with fuel.
5. Fasten the fuel cap and clean any spillage.



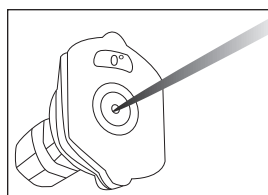
SETUP & PREPARATION

SPRAY NOZZLES

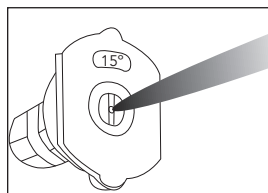
Included are five spray nozzles (8), each nozzle is colour coded and provides a specific spray pattern and pressure for a particular application.

Note: To prevent damage to your surface and to select an appropriate spray nozzle size for your application, always start with the lowest pressure nozzle size (white) and continue changing to the higher nozzle size until the best work result is achieved.

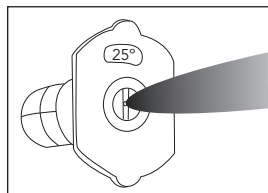
Red – 0° Jet Nozzle: Delivers a pinpoint stream of pressurized water and is extremely powerful. Should only be used on surfaces that can withstand high pressure such as concrete or metal.



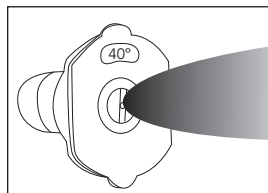
Yellow – 15° Narrow Fan Nozzle: Delivers a powerful pattern for intense cleaning of small areas. Should only be used on surfaces and materials that can withstand high pressure.



Green – 25° Medium Fan Nozzle: Delivers a powerful pattern for intense cleaning of larger areas. Should only be used on surfaces and materials that can withstand medium to high pressure from the nozzle.

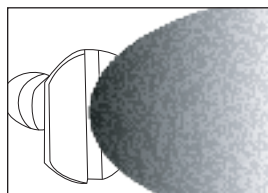


White – 40° Wide Fan Nozzle: Delivers a less powerful stream of water. Covers a wide area and should be used for most general cleaning applications.



Black – Low Pressure Detergent: Delivers the weakest stream of the five nozzles. Used for detergent and cleaning solutions.

Note: Adjust Pressure Valve (page 21) to aid correct Psi to suit your application.



SETUP & PREPARATION

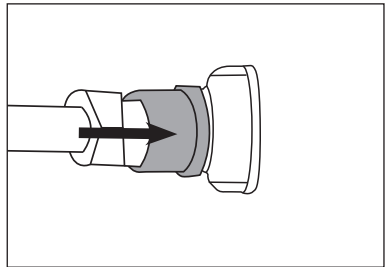
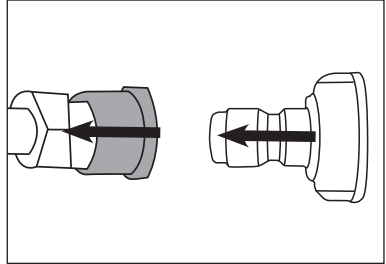


WARNING! *Never place hands in front of nozzle. Never grasp hose or fittings during pressure washer operation. Never attempt to attach or remove spray gun lance or hose fittings while pressure washer system is pressurized. Stop engine and lock gun trigger before attempting to change pressure nozzle.*

1. To attach a spray nozzle, pull back and hold quick connector on lance (13).
2. Insert spray nozzle and release quick connector.

Note: Ensure correct fitments to prevent nozzle being forced out of the connector by water pressure.

3. To detach, pull back quick connector to eject the spray nozzle.



SETUP & PREPARATION

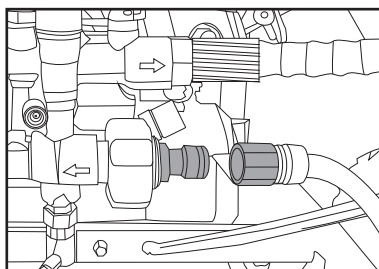
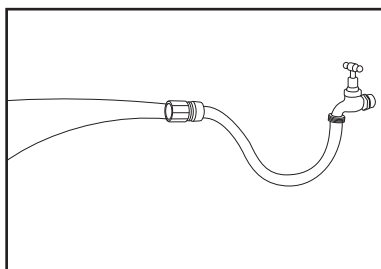
WATER SUPPLY



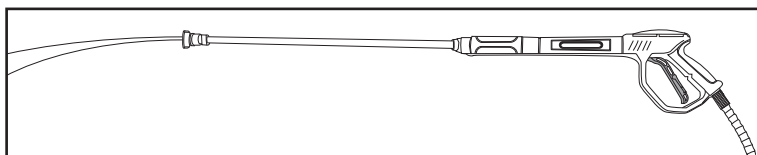
WARNING! *Never let the engine run without water. Failure to do so may damage the pump.*

1. Run water through garden hose to remove any foreign matter before attaching to the pump.
2. Attach garden hose (min. I/D $\frac{1}{2}$ ") to the water inlet on the pump.

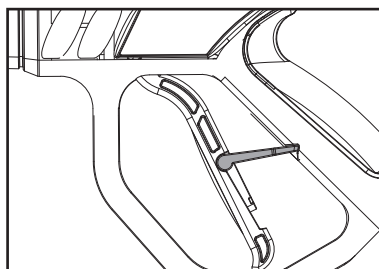
Note: The pump requires a minimum water supply of 15 l/min at 20 psi to avoid damaging the pump due to insufficient water supply.



3. Turn on the water supply.
4. Squeeze trigger on the gun until there is a steady flow of water from the nozzle (8). Release the trigger to stop water flow.



Note: The trigger can be locked to prevent accidental spraying. Disengage trigger lock before squeezing the trigger.



STARTING THE ENGINE



WARNING! Ensure you have filled the engine sump with engine oil before starting the engine. The dipstick must indicate the oil level is at maximum for the unit to start.

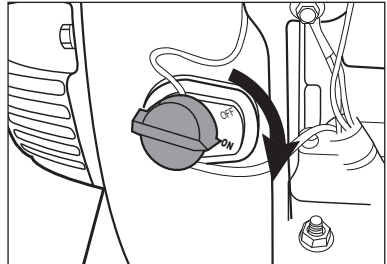


WARNING! Ensure you have connected and turned on the water supply. Damage to equipment resulting from failure to follow this instruction will void warranty.

Before starting the engine ensure you have:

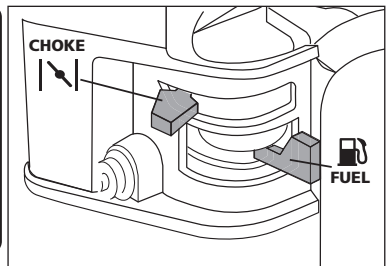
- Added oil - 1.2 litre oil sump capacity.
- Added fuel - 6 Litres of Ron 91 unleaded
- Run water through garden hose to remove any foreign matter before attaching the hose to the pump water inlet.
- Attached your choice of nozzle.
- Turn water supply ON - press and hold Spray Gun trigger and allow water to flow steady till machine is fully primed.

1. **Engine on/off switch** - Rotate the engine on/off switch to the ON position.

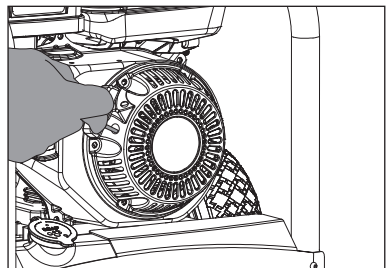


2. **Choke** - Slide the choke lever to the left, choke (closed) START position.

3. **Fuel** - Slide the fuel lever to the right, ON (open) position.



4. **Recoil starter** - Grip the recoil starter and slowly pull until resistance is felt, then pull the recoil starter rapidly. Allow the rope to rewind slowly and if necessary, repeat this procedure until engine starts.

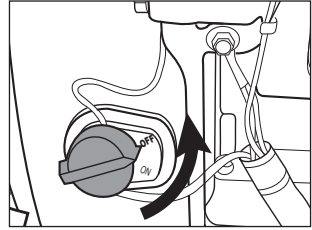


5. Once started slide the choke lever fully right to RUN position.

OPERATION

STOPPING THE ENGINE

1. Rotate the engine on/off switch to the OFF position.
2. Slide the fuel lever left OFF, (closed).



WASHING / CLEANING



WARNING! The high pressure stream of water that this machine produces can cut through skin and its underlying tissues, leading to possible amputation. Spray gun traps high water pressure, even when the engine is stopped and water is disconnected, which can cause injury.



WARNING! Always wear approved safety glasses when operating pressure washer.

1. Firmly grip spray gun with both hands.



WARNING! The spray gun will kick back when the trigger is first pulled.

2. Point the nozzle to a safe direction and squeeze the trigger to begin spraying.
3. When finished, release the trigger to stop water flow.

USING DETERGENTS

Most cleaning tasks can be completed with the pressure washer alone. For others, it is advantageous to use detergent. Use only liquid detergents designed specifically for use with pressure washers.

Note: Detergents, soaps, cleaning solvents will not siphon when a high pressure nozzle is used. Use the low pressure detergent nozzle (black).

1. Prepare detergent solution as recommended by the manufacturer.
2. Remove the detergent tank lid (15) and fill with prepared detergent solution.
Replace the detergent tank lid.
3. Lock the trigger and attach the low pressure detergent nozzle to the lance.
4. Unlock and squeeze the trigger to apply detergent.
5. When finished, fill detergent tank with fresh water. Run clean water through hoses to clear any residual detergent.

USAGE TIPS

- For most effective cleaning, keep spray nozzle from 200 - 600 mm away from cleaning surface.
- If you get the spray nozzle too close, especially using high pressure nozzles, you may damage surface being cleaned.
- Apply a high pressure spray to a small area, and then check the surface for damage. If no damage is found, it is okay to continue cleaning.
- When using detergents, apply to a dry surface starting at the lower portion of area to be washed and work upward, using long, even, overlapping strokes.
- Allow detergents to soak in for 3 - 5 minutes before washing and rinsing. Reapply as needed to prevent surface from drying. To prevent streaking, do not allow detergent to dry on the surface.
- Wetting the surface before applying detergent is not recommended as it dilutes the detergent and reduces its cleaning ability.
- To rinse detergents, replace the nozzle with an appropriate high pressure nozzle (see Spray nozzle selection). Squeeze the trigger and wait for the detergent to clear. Start at the top of the area to be rinsed, working down the same overlapping strokes as you used for washing and applying detergent.
- Never use the pressure washer water inlet to siphon detergents.

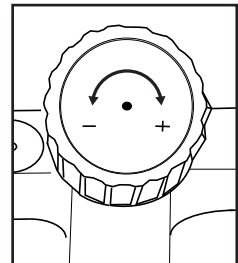
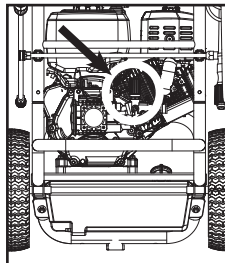
• Pressure Adjustment Valve

When pressure adjustment valve is fully closed, this will give max pressure rating. Opening pressure valve every $\frac{1}{4}$ turn will decrease max pressure by 400Psi each time.

This will aid in using the petrol pressure washer with more delicate applications.

Right turn = More pressure (Closed)

Left turn = Less pressure (Open)



OPERATION

SHUTTING DOWN

1. Stop the engine (see **Stopping the engine**).
2. Turn off water supply, point lance toward a safe direction and squeeze trigger to release any remaining water in the system. Disconnect garden hose from pressure washer and stow away.
3. Store spray gun and hose on the brackets provided on the frame.
4. Allow engine to cool down before storing.



WARNING! *Never turn off water supply with engine running. This will cause the pressure pump to overheat resulting in internal damage.*

FLUSH THE SYSTEM

When you have completed the use of detergent;

1. Turn off the engine and fill the detergent tank with water.
2. Point the lance toward a safe direction and squeeze the trigger to flush clean water through the detergent tank and the system until it is thoroughly clean.
3. Remove Black low pressure detergent nozzle and store in holder.



WARNING! *Leaving cleaning solutions inside the pressure pump could damage it. Damaged created by leaving soaps and cleaning solutions inside the pump can void the warranty.*

REGULAR MAINTENANCE

Improve performance and extended the life of pressure washer. The pressure washer warranty does not cover Items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the pressure cleaner as instructed in this manual.

- Some adjustments will need to be made periodically to properly maintain the pressure washer.
- All maintenance in this manual should be made at least once each season.
- Once a year you should clean or replace the spark plug, clean or replace the air filter and check the spray gun and lance extension assembly for wear. A new spark plug and clean air filter assure proper fuel-air mixture and help your engine run better and last longer.
- Keep your pressure washer upright when not in use and out of weather conditions.

Before each use

- Check engine oil level.
- Check air filter for build-up.
- Check water inlet screen for damage.
- Check high pressure hose for leaks or damaged kinks.
- Check chemical injection hose and filter for damage.
- Check spray gun and lance extension for leaks or any build up of foreign matter.
- Rinse out garden hose to flush out debris.

High Pressure Hose

The high pressure hose can develop leaks from wear, kinking, or abuse. Inspect the hose each time before using it. Check for cuts, leaks, abrasions or bulging of cover, damage or movement of couplings. If any of these conditions exist, replace the hose immediately.



WARNING! *The High pressure stream of water that this equipment produces can pierce skin and its underlying tissues, leading to serious injury and possible amputation. NEVER repair high pressure hose. Replace it. Replacement hose rating MUST exceed maximum pressure rating of unit.*

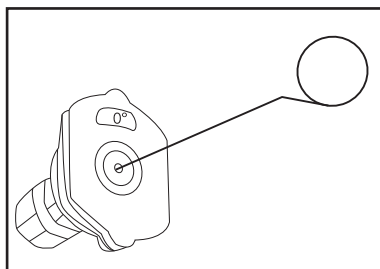
MAINTENANCE

Spray Gun & Lance

Examine the hose connection to the spray gun and make sure it is secure. Test the trigger by pressing it and making sure it 'springs back' into place when you release it. Put the trigger lock in the OFF position and test the trigger. You should not be able to press the trigger.

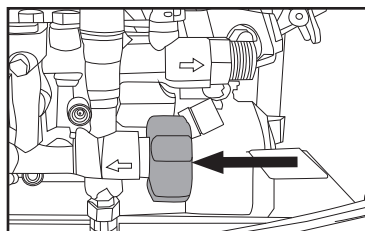
Nozzles

1. Turn off engine, turn off water supply and squeeze trigger to release any build up pressure in the lance.
2. Remove nozzle from end of lance.
3. Use a small paper clip or pin to free any foreign material clogging or restricting nozzle.
4. Using a garden hose, remove additional debris by back flushing water through lance. Back flush between 30 to 60 seconds.
5. Reconnect lance to spray gun.
6. Reconnect water supply, turn on water, and start engine.
7. Test pressure cleaner by operating with each quick connect nozzle.



Water Inlet Filter

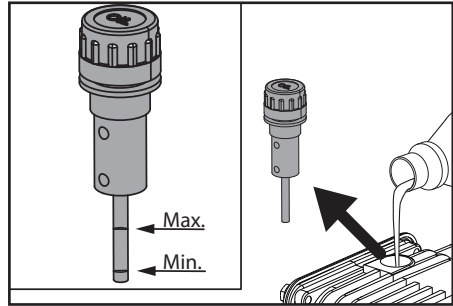
The water inlet screen filter should be checked periodically and cleaned if necessary.



WARNING! Never operate pressure washer without screen filter in place. Impurities entering pressure pump can cause internal damage.

Checking the Water Pump Oil Level

1. Check the oil with the pump level and cold.
2. Use the dip stick on the pump breather to check the amount of oil in the pump.
3. Remove the pump breather/dipstick wipe the dipstick with a clean rag. Check the oil level by inserting the dipstick in the filler hole without screwing it in and then removing it again.
4. Top up oil if needed. Recommended oil **SAE 15 W40**.
5. Refit the pump breather/dipstick.



Changing the Water Pump Oil

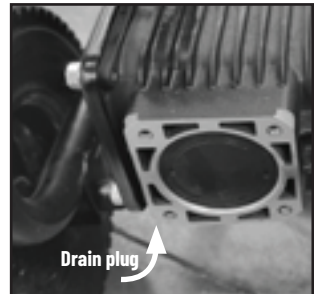
Replace the oil of pump after the first 50 hours and replace the oil every 400/500 hours afterwards.

1. Position the machine on a level ground with the pump slightly worm.

Note: Use a suitable container to collect the used oil.

2. Unscrew the drain plug situated under pump housing to drain the pump of used oil.
3. Screw on the drain plug.
4. Remove the breather/dipstick and pour in the oil (**300ml** capacity, **SAE 15 W40** recommended).

Note: Always clean up any oil spillage from product or area with an absorbent towel before use. Always discard waste according to your Local government policies and laws.



6. Wipe the dipstick with a clean rag. Check the oil level by inserting the dipstick in the filler hole without screwing it in and then removing it again.
7. Refit the breather/dipstick when done.

Note: **TB Imports** will not be responsible for any damage or injuries caused by the repair of the air mover by an unauthorised person or by mishandling of the petrol pressure washer.

STORAGE

Water should not remain in the unit for long periods of time. Sediments or minerals can deposit on pump parts and 'freeze' pump action. If you do not plan to use the pressure cleaner for more than 30 days, follow this procedure:

Note: Use 1 litre automotive antifreeze / radiator coolant (non-alcohol based).

1. Shut off engine and let it cool, then remove high pressure and garden hoses. Disconnect spark plug wire from spark plug.
2. Empty pump of all pumped liquids by pulling recoil starter about 6 times. This should remove most liquid in pump.
3. Use automotive antifreeze to prevent corrosion build up and freezing of pump. (See **Protecting the pump**).
4. Store unit in a clean, dry area and keep upright.

PROTECTING THE PUMP

To protect the pump from damage caused by mineral deposits or freezing, use automotive antifreeze to treat pump. This prevents freeze damage and lubricates pistons and seals.

Note: Automotive antifreeze is available as an optional accessory. It is not included with the pressure cleaner. Automotive antifreeze can be found at your local supermarket, petrol station or automotive store.



WARNING! You must protect your unit from freezing temperatures. Failure to do so will permanently damage your pump and render your unit inoperable. Freeze damage is not covered under warranty.



WARNING! Read and follow all cautions and warnings on the automotive antifreeze container label. Always wear eye protection when using automotive antifreeze.



WARNING! Automotive Antifreeze will drip from pump after treatment and will stain wood and concrete. Protect surfaces from dripping automotive antifreeze.

1. Make sure the pressure cleaner is turned off and disconnected from supply water.
2. Read and follow all instructions and warnings given on the automotive antifreeze container.
3. Draw antifreeze into the pump by pouring the solution into a 1 metre section of garden hose connected to inlet adapter, elevate the free end of the hose and pull recoil starter twice.

- Cover pressure washer with a suitable cover that does not retain moisture such as a plastic or plastic coated Tarp (not included).
- Store pressure washer in a clean dry area.

PREPARING FOR USE AFTER STORAGE

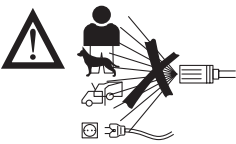
1. Slowly pull the recoil starter a few times to clean oil from cylinder or to eject any antifreeze from the pump which was added prior to storage.
2. Remove the spark plug from the cylinder. Wipe oil from spark plug and return to the cylinder and tighten.
3. Reconnect spark plug lead.

TROUBLESHOOTING

Symptom	Possible Cause	Suggested Solution
The engine does not start or starts and runs rough.	Flooded.	Wait 5 minutes and re-crank engine.
	Engine switch in OFF position.	Move switch to ON position.
	Fuel lever in OFF position.	Move lever to ON position.
	Fuel tank empty.	Fill fuel tank with fuel.
	Spark plug disconnected.	Connect spark plug.
	Faulty spark plug.	Replace spark plug.
	Choke lever in wrong position.	Adjust choke lever position.
	Water in fuel.	Drain fuel tank carburettor; fill with fresh fuel.
	Dirty air cleaner.	Clean or replace air cleaner.
Engine shuts down when running.	Out of fuel.	Fill fuel tank.
	Low engine oil.	Add oil.
Engine lacks power.	Cylinder pressure is low.	Call Customer Service.
	Dirty air cleaner.	Replace air filter.
No pressure or low pressure.	Spray gun not set to high pressure.	See Spray Nozzle Selection section
	Inadequate water supply.	Water supply must be 15 l/min at 20 psi.
	Hose fitting leaks during high pressure.	Tighten hose fitting. Use thread sealant tape if necessary.
	Nozzle obstructed.	Clean nozzle (see maintenance).
	Water filter screen obstructed.	Remove and clean.
	Air in hose.	Squeeze trigger to remove air.
	Choke lever in choke position.	Move choke lever to RUN position.

Symptom	Possible Cause	Suggested Solution
Pump will not draw detergent.	Spray gun not set to low pressure.	See Spray Nozzle Selection section.
	Detergent solution too thick.	Dilute solution. Detergent solution should have same consistency as water.
	Detergent build-up in detergent injector.	Clean or replace. Call Customer Service.
Water leaking at spray gun/ lance connection.	Worn or broken O-ring.	Replace O-rings.
	Loose hose connection.	Tighten hose connection.
Pump pulsates.	Nozzle obstructed.	Clean nozzle (See maintenance).
	Air in the system.	Squeeze trigger to remove air.

DESCRIPTION OF SYMBOLS

CC	Cubic Centimeters	rpm	Revolutions per minute
psi	Pounds per square inch	HP	Horse power
l	Litres	$\varnothing$	Diameter
mm	Millimetres	BAR	Pressure rating
	Oil	$^{\circ}\text{C}$	Degress celsius
	Read instruction manual		Regulator compliance mark
	Unleaded Petrol		Warning
	Choke control		Fire Hazard
	Carbon Monoxide		Hot Surface
	Poisonous Fumes		Wear eye and ear protection
	Sound pressure level 115dB		
	Warning! High pressure jets can be dangerous if not used properly. Do not direct the jet at persons, animals, live electrical equipment or the pressure washer itself.		



Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

Distributed by:

TB Imports

25 Fox Drive, Dandenong South Victoria, Australia, 3175

Telephone: 1800 951 371 **(Aus)**, 0800 647 840 **(NZ)**

WARRANTY

Your product is guaranteed for a period of 12 months from the original date of purchase. Please keep your receipt as proof of purchase, as this will authenticate your warranty. Prior to returning your product for warranty please call our customer service hotline:

***Australia 1800 951 371
New Zealand 0800 647 840***

Please have the model number and date of purchase available. A customer service representative will take your call and answer any questions you may have relating to the warranty policy or procedure.

To make a claim under the warranty, take the product (with proof of purchase) to any Bunnings store with your Bunnings receipt. The benefits provided under this warranty are in addition to other rights and remedies which are available to you under law. The warranty covers manufacturer defects in materials, workmanship and finish under normal use. Warranty excludes consumable parts, for example: grease, bearings etc.

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

Warranty Exclusions

The following actions will result in the warranty being void.

- If the tool has been operated on a supply voltage other than that specified on the tool.
- Failure to perform maintenance as set out within the instruction manual.
- The warranty excludes damage resulting from product misuse or neglect.
- If the tool is disassembled or tampered with in any way.
- If the tool shows signs of damage or defects resulting from abuse, accident or alterations.

**12
MONTH
TRADE
WARRANTY**

This warranty is given by:

TB Imports

ABN: 17 050 731 756

Phone : 1800 951 371 (AUS); 0800 647 840 (NZ)

Head Office: 25 Fox Drive, Dandenong South, VIC 3175, Australia