



AUSSIE SCUD MINE BOSS SERIES

DEC 2023

OPERATOR'S INSTRUCTION MANUAL



Kohler HATZ







Check out this Scud handover video for set up & tips



IMPORTANT:

TO REDUCE RISK OF INJURY, READ OPERATING **INSTRUCTIONS CAREFULLY BEFORE USING EQUIPMENT**



Scud 350

Scud 351

Scud 400

NEW Predator A

REF: ASCUDMANVERA1



AUSSIE HIGH PRESSURE BLASTER RISK ASSESSMENT

MODELS:

In line with the National Occupation Health & Safety Commission's requirements the data below applies to the following models of Aussie Scud high pressure water blasters:

- Scud 350 (Class A)
- ◆ Scud 400 (Class A)
- Scud 351 (Class A)
- Predator A (Class A)





FREE ONLINE Aussie Safe Operator training

NB: Class A machine operators do not require certification under AS/NZS 4233.1

DESCRIPTION:

Engine drive high pressure cold water blasters designed for professional cleaning applications.

MATERIAL CONSTRUCTION:

Aussie Scud pressure washers are mounted on heavy duty trolley mounted frames. They consist of a quality internal combustion petrol engine driving a triplex style three piston high pressure pump. The machines are supplied with wheels for ease of portability and manoeuvrability. The machines can be supplied with hose reels and up to 45 metres of high pressure hose to increase operator convenience.

RISK RANKING METHOD:

Risk is the combination of the likelihood of a specific unwanted event and the potential consequences if it should occur.

RISK RANKING TABLE:

The consequences (loss outcomes) are combined with the likelihood (of those outcomes) in the risk ranking table to identify the risk rank of each loss event (e.g. a consequence of 'Moderate' with a likelihood of 'Likely' yields a risk rank of 17).

The table yields a risk rank from 1 to 25 for each set of probabilities and consequences. A rank of 25 is the highest magnitude of risk that is a highly likely, very serious event.

A rank of 1 represents the lowest magnitude of risk, an almost impossible very low consequence event.

	Use the matrix to	Consequences					
i	determine the risk	Insignificant	Minor	Moderate	Major	Catastrophic	
k e	Almost certain	High 11	High 16	Extreme 20	Extreme 23	Extreme 25	
l i	Likely	Moderate 7	High 12	High 17	Extreme 21	Extreme 24	
h	Possible	Low 4	Moderate 8	High 13	Extreme 18	Extreme 22	
0	Unlikely	Low 2	Low 5	Moderate 9	High 14	Extreme 19	
d	Rare	Low 1	Low 3	Moderate 6	High 10	High 15	

Controls must be taken to either eliminate or minimise the risk.

















Risks associated with operating a high pressure cleaner ... for use in daily **SAFE WORK METHOD STATEMENT**

Hazard	Risk	Risk Rating	Controls
Entanglement with hose	Personal injury of the	13	Warning stickers
(tripping, falling)	operator or bystanders		 ♦ hose reel option
			Ensure firm footing before operating machine
Injury from high	Personal injury of the	13	Warning notice on blaster
pressure water	operator or bystanders		Wear eye protection & PPE
			Use high pressure resistant gloves
			Always point spray jet at area to be cleaned
			Use barriers to keep bystanders away from work area
			Stop jetting if persons enter working area
			Never leave machine unattended
			Never point hose at any person or animal
			Never put your hand over the spray nozzle when operating
			Stop operating if a malfunction occurs
Suffocation	Fatality is the risk	18	Do not operate engine without suitable ventilation
			Operator training in working in confined spaces
Ergonomic lifting or	Personal injury	18	Operator's Manual
movement on site,			Staff training
High temperature (from	Burns to operator	11	Warning sticker on machine
engine muffler and			Keep clear of hot engine parts
other components)			
Battery exploding if not	Acid burns	14	 ◆ Warning sticker on battery
charged correctly			Wear eye & face protection when working near battery
Fire or explosion	Serious injury, burns	18	Do not operate in explosive atmosphere
			Turn off engine & allow engine to cool before refuelling
Unsecured machine, moves unattended	Cause of accidents and/ or injury	8	Use of chocks behind wheels or ute mounting kit
Noise	Hearing damage	11	Use of ear protection
Dislodged particles in	Sight damage	20	Never clean asbestos with high pressure water
atmosphere			Use of eye protection
Slipping on wet surface	Personal injury	17	Use of proper footwear
Contact with chemical cleaners used to clean	Skin contact could result in burns, skin irritation	22	Chemical cleaners to only be used as a last resort when other methods have failed.
surfaces	etc. Fumes from some		Areas to be kept well ventilated.
	chemicals may lead to respiratory problems		Staff to follow manufacturers' instructions at all times for use,
	, , , , , , , , , , , , , , , , , , , ,		storage & disposal.
			Staff to wear the appropriate PPE Pospiratory protection when required
			Respiratory protection when required



AUSSIE ECO CLEAN SCUD & PREDATOR SERIES OPERATING & MAINTENANCE INSTRUCTIONS

Contents:	Applying detergent S
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CONGRATULATIONS on the purchase of an Aussie Scud industrial diesel drive high pressure water blaster. These top of the range machines have been designed to be easy to use, simple to service and offer reliability and performance.

Before attempting to operate your machine please read this Instruction Manual thoroughly following all directions carefully. By doing so you will ensure safe operation of the unit and will enjoy long and trouble free service from your heavy duty water blaster.

GUARANTEE ... EXCLUSIVE 4 YEAR PUMP WARRANTY

This Aussie Eco Clean product is guaranteed against faults in manufacture for two years from purchase. The Bertolini pump has a four year warranty, but must be serviced by an authorised service agent every six months to maintain this warranty. Keep your receipt as proof of purchase and all service receipts. This guarantee is invalid if the product is found to have been abused in any way, or not used for the purpose for which it was intended.



Routine maintenance is the owner's responsibility. Failure to maintain the machine in line with the services outlined on the back page will invalidate warranty. High pressure accessories carry a 3 month warranty.

Where possible return faulty goods to the place of purchase. No products can be returned to us without our prior permission. The reason for return must be clearly state.

N.B. Warranty is not transferrable to third parties in the event of sale of the machine within the warranty period. Please note that any parts used in warranty repairs are guaranteed for a period limited by the original warranty of the parent product.

Engine warranty is the responsibility of the engine manufacturer. Unit must be returned to authorised engine dealer for evaluation of engine warranty. (Refer to engine handbook).

Battery warranty is covered by Federal/Ryde Batteries, call (02) 9879 5422 for your nearest outlet.

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

The benefits under the Aussie Pump warranty are in addition to other rights under Australian Consumer Law.



SAFETY PRECAUTIONS - IMPORTANT

- 1. **NEVER** direct the spray jet at any surface that may contain asbestos material.
- 2. **NEVER** direct the spray jet at any person or animal. Keep hands and feet clear of the cleaning nozzle at all times.
- 3. **NEVER** hold a finger over the high pressure nozzle.
- 4. **NEVER** direct the spray jet at the machine itself or any electrical equipment.
- 5. After use, release the pressure in the high pressure hose by operating the gun trigger.
- 6. DO NOT attempt any mechanical repair. If you have a problem with your machine contact your local Aussie Eco Clean Service Division, phone (02) 8865 3500.
- 7. **NEVER** supply any liquid other than water to the pump inlet.
- 8. **DO NOT** run dry
- 9. **NEVER** pull the high pressure hose if it has formed kinks or nooses.
- 10. **NEVER** pull the hose over sharp objects.

- 11. DO NOT attempt to disconnect any hose or coupling with pressure still in the hose.
- 12. DO NOT join hoses together to extend the length (buy an extra long hose)
- 13. DO NOT operate the machine whilst standing on ladders, use a platform tower or scaffolding.
- 14. DO NOT operate if there is a chance ice has formed in the pump or hose. Thaw first.
- 15. Operate in well ventilated areas only.
- 16. DO NOT fill the fuel tank while engine is running or hot
- 17. DO NOT try to repair a leak in the hose or connection while the system is under pressure.
- 18. **DO NOT** substitute any component part on this machine. Use of incorrect parts could cause serious personal injury.
- 19. Children must NOT be allowed to use the machine.
- 20. Always use safety goggles and steel cap boots when using the machine.















SPECIFICATIONS

Model	<i>Diesel Engine</i> versions	Pump Model	Pump Pressure (psi)	Flow rate (lpm)	Pump rpm
Scud 350	Yanmar L100 e/s	TTL1520	3000	15	1450
Scud 351	Yanmar L100 e/s Hatz 1B50	TTL2120	2500	21	1450
Scud 400	Yanmar L100 e/s Hatz 'Silent pack'	TTL1330	4000	15	1450
Predator A	Kohler KD477	KTL1635	5000	16	1450



CARE OF FRAME & FLAT FREE TYRES ... MAINTAIN OPTIMUM PERFORMANCE

with top quality flat free tyres. To maintain tyre shape ...

- 1. Ensure that straps used to secure the unit during transit are not over tightened to the point where tyres misshape.
- Aussie Scud blasters now come fitted 2. Do not leave the unit strapped down for extended periods.
 - 3. Do not drop the unit; this could cause frame distortion or damage to bearings.





ASSEMBLY AND PREPARATION FOR USE

Before proceeding with assembly of your new Aussie Eco Scud high pressure blaster, check that all parts listed below are included.

- 1 x gun handle assembly
- 1 x high pressure hose
- 1 x dual lance & nozzle assembly



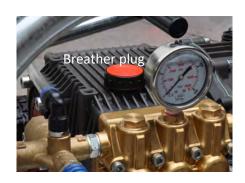
HEAVY DUTY LANCE: To assemble the gun/lance, 2. screw together and check nozzles have been fitted to end of lance.

Machine Preparation (initial start-up)



5. 1. Check the oil in the pump and gearbox. Note separate reservoirs. With the machine on a level surface the oil lever should cover the red spot in the oil level sight glass on the side of the 6. machine. If necessary, top up with SAE 75W-90.

Do not mix different grades of oil as this may affect the machines performance. If alternative oil is used, first empty out oil by unscrewing drain plug in bottom of machine.



Ensure breather plug is fitted to pump. WARNING: Before operation ensure top mounted travel plug is replaced by breather plug. Failure to fit breather and keep clean can result in over pressuring of oil chamber (crank case) and can blow oil seals. This will void warranty.

- 3. Note that the gearbox has a separate oil reservoir. Gearbox oil is SAE 90 gear oil.
- 4. Connect battery leads on electric start machines.
 - Check oil level in engine and fill with proper grade oil if necessary. (SAE 10W-30 for Honda engines, check engine manual for other makes)
 - Check fuel level and fill if necessary. (unleaded petrol)

Aussie Safety Protection Kit

Unloader - factory set, DO NOT adjust





В. **Hose Connections**

- 1. Connect high pressure hose to machine outlet.
- 2. If optional low pressure downstream, in-line chemical injector is to be used, connect the injector tube to the detergent inlet and place the other end of the tube, with the strainer attached, in the chemical container (not supplied).
- 3. Connect gun/lance assembly to high pressure
- Check inlet water filter is clean then connect 1. 4. water supply hose to machine. Use a 25mm (minimum) hose.

Incoming water supply must deliver double the 3 flow of the machine. If questionable, check supply at machine. If supply is insufficient, do 4. not operate from this outlet. For residential use, $\frac{1}{5}$ the outlet closest to the meter will usually deliver the highest flow rate. Connect only to 6. clean town water supply.



Warning: Do not operate from tank or pond. Doing so will cavitate the pump causing damage. Cavitation or pump starvation is not covered by warranty. Cavitation phenomenon causing vacuum pockets to form within the pump that eventually implode under pressure pitting the internal pump surfaces.

Before starting the machine

OPERATE IN WELL VENTILATED AREAS ONLY.

- 1. Ensure machine is level
- 2. Turn on water supply.
- 3. Pull gun trigger until water starts to flow in a steady steam then release trigger.

D. Starting the engine



- Check the emergency stop button has been reset.
- 2. Turn on battery isolator switch.
- Hold the gun trigger on.
- Turn key through first to second position.
- After engine starts, release the gun trigger.
- Warm up engine for 3 minutes without load.

KEEP THE MACHINE OUT OF MOISTURE LADEN ATMOSPHERES

Pressure washing

WEAR PROPER FACE PROTECTION WHEN OPERATING PRESSURE WASHER!

Machine is now ready for operation.

- 1. For high pressure jetting rotate side grip on dual lance backwards until it stops. Fine control of pressure/flow can be made with small adjustments to the rotation of the grip. There is no pressure adjustment available on single lance options.
- 2. When low pressure and high flow is required, including detergent application, unwind grip two complete turns. Adjust the detergent control on the pump as required.

NOTE: Check the system for water leaks, fuel leaks, oil leaks, hose kinks, etc. Correct any problems before proceeding.



HIGH PRESSURE SPRAY CAN PENETRATE THE SKIN & CAUSE SERIOUS INJURY!

Never point the spray gun at yourself, other people or

Should the spray penetrate the skin SEEK MEDICAL ATTENTION IMMEDIATELY!



WARNING:

CHECK NOZZLES AND REPLACE IF WORN

If pressure drops off, check nozzle for wear. Nozzles should be replaced on a regular basis (every month for machines in regular use, every 3 months for machines used intermittently. Using the machine with the incorrect nozzle size or worn nozzle will void warranty and can be dangerous to the operator.

Applying detergent

(not available on Predator A)

- 1. Prepare pressure washer detergent solution as required by manufacturer.
- 2. Place detergent siphon tub/filter into solution.
- 3. Adjust double lance to low pressure setting.
- Apply cleaning solution to a dry surface, starting 4. at lower portion of areas to be washed and 4. work upward, using long overlapping strokes.
- 5. Allow time to detergent to activate and then rinse off. DO NOT allow detergent to dry on.

IMPORTANT; You must flush the injection system after each. Place the siphon hose into a bucket of clean water, then run pressure washer in low pressure for 2 6. minutes.

Stopping the machine

- 1. If using the detergent injector, flush out the chemical by running clean water through the system.
- 2. Allow machine to run for 1 minute without load to cool before stopping.
- Turn engine key to OFF
- This blaster is fitted with an emergency stop button. After activation, turn engine key to off and reset stop button by rotating until it pops out.
- Battery isolator can be locked off to prevent blaster from operating.
- Turn off water supply.
- 7. Pull gun trigger to release all pressure in the system, then LOCK THE TRIGGER.
- 8. Hoses may now be disconnected from the machine.



Failure to release pressure before disconnecting the hose quick coupler will result in the quick coupler o-ring seal blowing out. This o-ring must be replaced before operating machine.

UNLOADER SETTING

The high pressure unloader on the machine is factory set to operate the pump at it's rated pressure.

DO NOT ADJUST. Tampering with the unloader will void warranty and can be dangerous.

DO NOT RUN EXCESSIVE BY-PASS



SWITCH MACHINE OFF WITHIN TWO MINUTES OF CEASING OPERATION AS EXCESSIVE BY-PASS CAN CAUSE HEAT BUILD UP IN PUMP AND SUBSEQUENT DAMAGE.

EXCESSIVE BY PASS RUNNING VOIDS WARRANTY!!



CARE AND MAINTENANCE:

AFTER EACH USE

If cleaning agents have been mixed with the incoming water, it is essential to flush the machine with clean water after use.

If there is a danger of freezing anti-freeze should be mixed with the flush water or the machine must be completely drained.

After the final flush stop the machine. DO NOT allow the machine to idle for more than 15 seconds. This is particularly important when there is a danger of freezing. Do not run for longer without water supply.

STORAGE

Store the washer in an upright position, preferably drained of water if there is a danger of freezing (or fill with anti-freeze).

PUMP CRANKCASE LUBRICATION

Proper pressure washer pump crankcase lubrication will help extend the working life of the machine. Follow these important guidelines. We recommend keeping a simple service log book.

- Change oil in pump after initial 50 hour run-in period. (SAE 75W-90)
- Change pump oil every 3 months, use high quality oil. (SAE 75W-90)

- Pump oil level can be checked with the dip stick under the breather cap or by viewing the oil sight gauge where fitted. The oil level is correct if level is in the centre of the gauge. If oil level is low, fill to correct level with recommended oil (SAE 75W-90). DO NOT OVERFILL CRANKCASE!
- Replace oil in gearbox (separate chamber) with SAE 90 gear oil every three months.

PREVENTATIVE MAINTENANCE

- Keep filter in supply hose connection clean, rinse regularly.
- Use correct size nozzles for machine and replace when worn, check serial tag for correct size.
- Drain water from pressure hoses, gun/lance assembly and accessories after use.
- Protect pump from freezing. Failure to remove water from the pump in freezing temperatures will result in damaged pump manifold.
- Use ONLY injector of the size and type designed for this model.
- **DO NOT** tamper with unloader valve adjustment or alter engine speed.
- DO NOT siphon chemicals through the pump, it is designed for water only.
- Incoming water supply must not exceed 60°C, otherwise pumps seal damage could result
- Follow engine manufactures guidelines for engine maintenance. (see engine manual)

Emergency Stop Button



All Aussie Mine Spec machines are fitted with an emergency stop.

This should only be used in an emergency.

Australian Pump recommends de-throttling the engine and running with no load before shutting off the engine by turning the key.

If the emergency stop button has been used, it will need to be reset before the engine will start again. turn the button reset, clockwise.

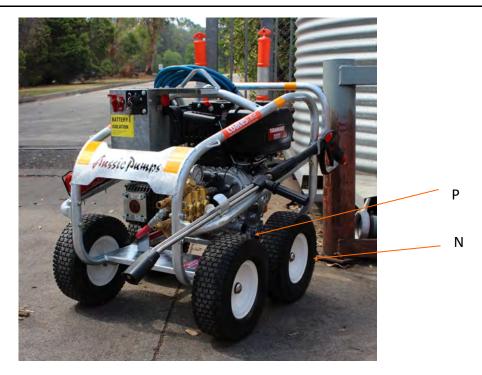
WARNING Immediately activating the E-stop turn the ignition key to the OFF position. Failure to do so could result in a battery and shortened battery life.

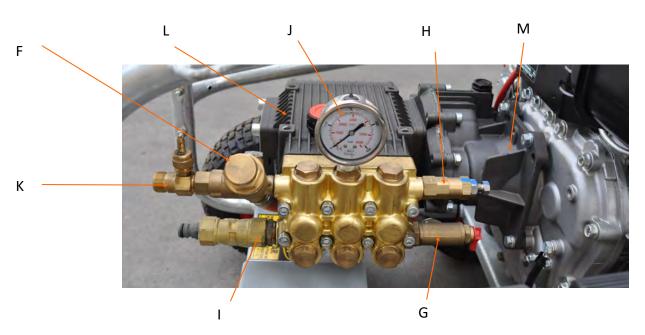


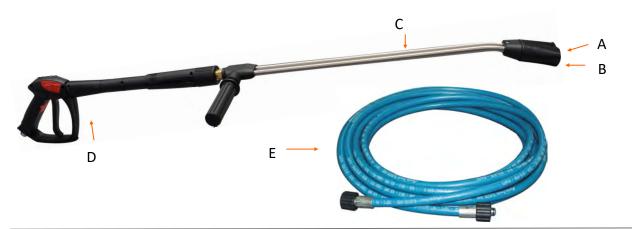
TROUBLE SHOOTING GUIDE (for engine troubleshooting refer to engine manual)

FAULT	CAUSE	REMEDY
	Pump sucking air	Check water supply & possibility of air ingress.
	Valves sticking	Check & clean or replace if necessary
Dump rupping permelly but	Unloader valve seat faulty	Check & replace
Pump running normally but pressure low on installation	Nozzle incorrectly sized	Check & replace
pressure low off illistaliation	Worn piston packing	Check & replace
	Valves worn	Check & replace
	Valves blocked	Check & replace
Eluctuating Proceurs	Pump sucking air	Check water supply & air ingress at joints in suction line
Fluctuating Pressure	Worn piston packing	Check & replace
	Nozzle worn	Check & replace
	Check valves worn	Check & replace
	Check valves blocked	Check & clean
Pressure low after period of	Unloader valve seat worn	Check & replace
normal use	Worn piston packing	Check & replace
	Pistons cracked as a result of dry running	Replace pistons
	Air in suction	Check water supply & connections on suction line
	Broken or weak suction or delivery valve spring	Check & replace
Pump Noisy	Foreign matter in valves	Check & clean
	Worn bearing	Check & replace
	Excessive temperature of liquid	Reduce temperature
	Oil seal worn	Check & replace
Presence of water in oil	High humidity in air	Check & change oil twice as often
Tresence of water in on	Piston packing worn	Check & replace
	Safety valve activated due to pressure	Reset safety valve (see page 13), if it keeps activating
	spike	replace unloader
		Activates if water temperature exceeds 60°C. Should
Water dripping below pump	Thermal dump activated	self reset once water in pump cools. If not, replace
		Check & replace
	Piston packing worn	Check & replace
	O.R plunger retainer worn	
Oil Deinning	Travel plug in use on pump	Replace with breather plug
Oil Dripping	Oil seal worn	Check & replace if necessary
	Leaking gun &/or pressure pipe.	Renew gun, seal pressure pipe
	Leaky sleeve	Renew sleeve
Unloader switches	Worn out kick-back valve body	Check & renew as necessary kick-back valve plate & seat
repeatedly when gun is off	Leaky seals	Renew seals
Leaky piston rod	Defective O-Ring/Support Ring	Renew piston rod seals & examine surfaces in guide
, p		case
Leaky by-pass at nominal	Nozzle too small, too much water.	Install larger nozzle
pressure	Worn out by-pass valves	Examine & renew as necessary
	Valve set too high above operating	Adjust the unloader at the operating pressure.
Pressure gauge shows high	pressure	
pressure fluctuations when		Clean valve (removing lime deposits etc).
shutting off gun	Dirty valve	Grease parts before installing.
Pressure in supply line when running on by-pass	Dirty or worn low pressure valves	Remove & clean or replace low pressure valves
	Out of fuel	Fill tank with petrol/diesel
Engine will not start	Engine defect	Return to engine service agent

PARTS IDENTIFICATION









REPLACEMENT PARTS

			SC	CUD Ser	ies	Predator		
Position	Part No	Description	350	351	400	Α		
	Nozzles							
	C915030M	HP NOZZLE (15°ANGLE, TIP SIZE 30)			Х			
А	C915035M	HP NOZZLE (15°ANGLE, TIP SIZE 30)				х		
A	C915045M	HP NOZZLE (15°ANGLE, TIP SIZE 45)	х					
	C915065M	HP NOZZLE (15°ANGLE, TIP SIZE 65)		Х				
В	C915500MSS	LP DETERGENT NOZZLE	х	Х	х			
	Lance							
	C3924.01	684MM SS DOUBLE LANCE C/W BOOT	х	Х				
С	C3905.15	700MM SINGLE LANCE C/W BOOT			х			
	MPA40025800	S3-350 800MM EXTENDED LANCE				х		
	Gun							
	M4022209003	AL55 GUN WITH MELTED HANDLE & M22	х	Х				
D	MPA30450010	5100 PSI RATED RL56 GUN			х	х		
	Hose							
-	AHW06M22X2X10	10 MTR HP HOSE (R2, 4500 PSI)	х	Х	х			
E	AHW06FB6FB6X10	10 MTR HP HOSE (R2, 5800 PSI)				х		
	Unloader							
	BVB80/280	UNLOADER VALVE (4000 PSI)	х	Х				
F	BVB350	UNLOADER VALVE (5100 PSI)			х	х		
	Thermal Dump Valve							
G	MPA60063070	1/2" THERMAL DUMP VALVE	х	Х	х	х		
	Safety Valves							
	MTM00033003	3600 PSI SAFETY VALVE	х	Х				
Н	MPA60156000	4000 PSI SAFETY VALVE			х			
	MPA60058000	VS 350 5650 PSI SAFETY VALVE				х		
	Inlet Strainer							
	AYSTRAINER-200	1/2" FEMALE BRASS Y STRAINER	х					
I	AYSTRAINER3/4	STRAINER 3/4"		Х	х	х		
	Gauge							
J	AGCDR0102	6000 PSI GAUGE	х	Х	х	х		
	Chemical Injector							
К	MTM00029143	INJECTOR	х	Х	х			
	Pumps							
	BTTL1520	BERTOLINI PUMP (3000 PSI, 15 LPM)	х					
	BTTL2120	BERTOLINI PUMP (3000 PSI, 21 LPM)		Х				
L	BTTL1330	BERTOLINI PUMP (4000 PSI, 13 LPM)			х			
	BKTL1635	BERTOLINI PUMP (5000 PSI, 16 LPM)				х		
	Gearboxes							
	B318870973	GEARBOX (1" PTO)	х	х	х			
М	B319110973	GEARBOX (24MM)				х		
	Wheel							
N	A400016-HD	13" WHEEL (FOR DIESEL BLASTERS)	Х	х	х	х		
	Engine Mounts							

Order the right part first time ... specify the pump model number when ordering parts.

Full parts breakdown available online ... www.aussiepumps.com.au

Resetting the Safety Valve

The safety valve prevents damage to the pump seals and valves caused by a pressure spike.

The safety valve should only be reset after checks to ensure the unloader valve is working correctly. If in doubt contact, your nearest Aussie Eco-clean service centre.

The following steps should be taken to reset the safety valve, with the unit running.

- 1. Unscrew the lock nut (C) on the safety valve and the adjusting screw (D), should be screwed in all the way.
- 2. Using an allen key, loosen the lock nut (B) on the unloader and wind the unloader knob (A) in gradually until the required pressure is obtained whilst the trigger is pulled and water is running through the pump. Do not exceed the maximum rated pressure of the pump.
- 3. The lock nut (B) should then be wound down until it grounds out at the bottom (do not over tighten as this will further adjust the pressure) and locked with use of the allen key. Paint mark across the nut and knob to identify any tampering with the setting.
- 4. With the pump running at the required

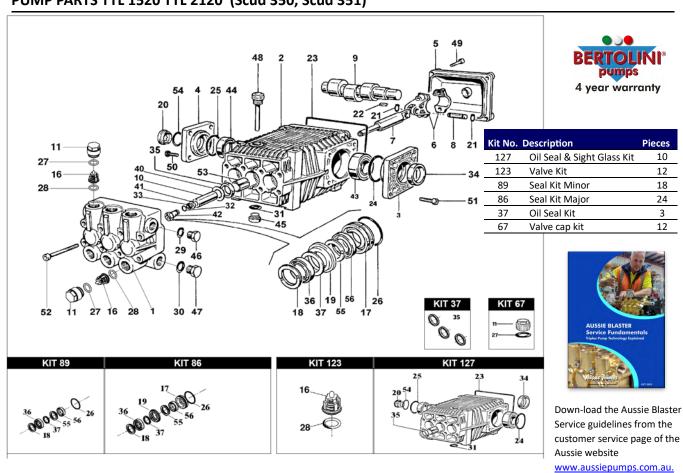
pressure, the adjusting screw (D) on the safety valve should be wound out until there is a slight drip. Screw it in one quarter of a turn, or until the drip stops, this will set the safety valve 10% over the required pressure. The lock nut (C) should then be locked off. Paint mark to identify any tampering.

5. Repeat running with the trigger open and then

- closed two or three times to ensure safety valve doesn't blow off pressure.
- 6. If safety valve continues to trip contact your nearest Aussie Eco-clean service centre.

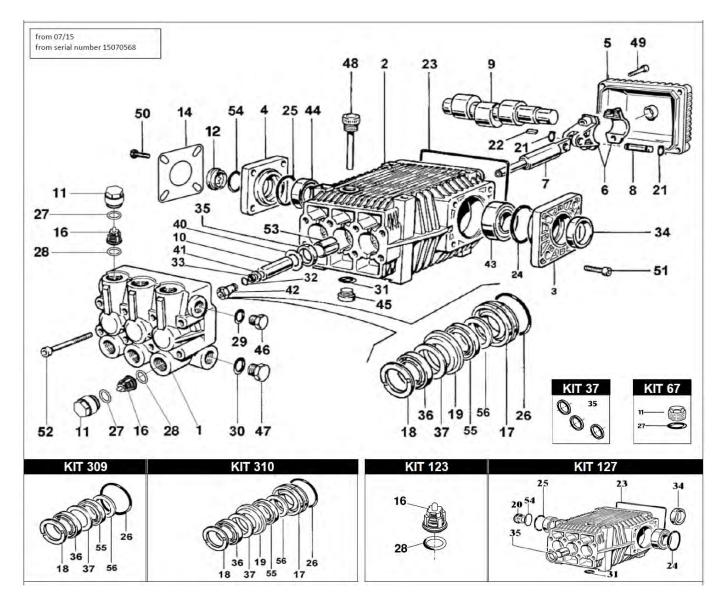


PUMP PARTS TTL 1520 TTL 2120 (Scud 350, Scud 351)





PUMP PARTS TTL1330 (Scud 400)





Kit No.	Description	Pieces
127	Full Oil seal & Sight Glass kit	10
123	Valve Kit	12
309	Seal Kit Minor	18
310	Seal Kit Major	24
37	Oil Seal Kit	3
67	Valve cap kit	12



Need guidance on servicing your Bertolini high pressure pump?

Download your copy of the Aussie Bertolini Service guidelines from the customer service page of the Aussie website aussiepumps.com.au.

Order the right part first time ...

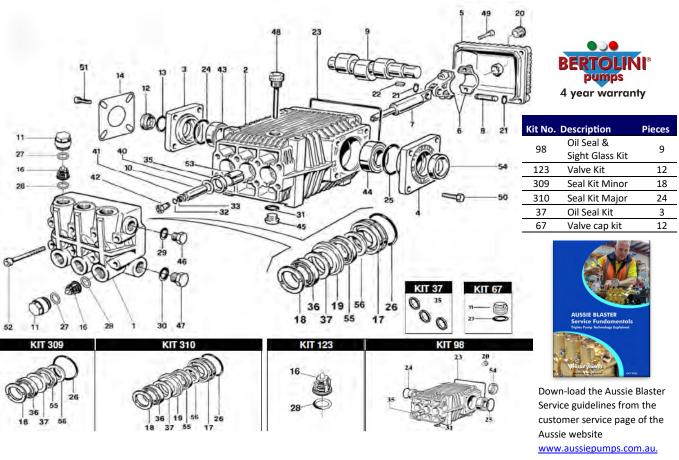
specify the pump model number when ordering parts.

Full parts breakdowns available online ... aussiepumps.com.au





PUMP PARTS KTL 1635 (Predator A)



SERVICE RECORD

Refer to page 16 for details of service schedule. A service record must be maintained to keep warranty valid.

Date	Description of work done	Signed



OVERSPEEDING

Do not operate machine at over 3200 rpm Over speeding can cause (engine speed). serious pump damage.

EXCESSIVE BYPASS

Do not run on excessive by-pass. Switch machine off within five minutes of ceasing operation as excessive by-pass can cause heat build up in pump and subsequent damage. Excessive bypass running voids warranty.



- Check engine & gearbox oil level
- Check nozzle for wear
- Check all high pressure components for leaks:
 - gun/lance
 - HP hose
 - all fittings
- Check water filter and clean regularly
- Check unloader, safety valve and thermal dump for leaks



BEWARE of abrasions on hose and replace if damaged ... STAY SAFE

HIGH PRESSURE SETTING

The high pressure pump is factory set to operate at its rated pressure. DO NOT ADJUST. Tampering with the pressure regulator will void warranty and can be DANGEROUS.

CHECK NOZZLE MONTHLY

If pressure drops off check nozzle for wear. Nozzles should be replaced on a regular basis (every month for machines in regular use, every three months for machines used intermittently). Using the machine with the incorrect nozzle size or worn nozzle will void warranty and can be DANGEROUS to the operator.

THREE MONTHLY REGULAR SERVICE

All professional machines need to be thoroughly serviced every three months or every 100 hours. Use an approved and qualified Aussie service agent. The service should include the engine manufacturer's recommendations (see separate Engine Manual) and the following:

- Change pump oil
- Check filter for foreign debris
- Check unloader, safety valve and thermal dump for leaks
- Check all HP components for leaks: Gun/lance, HP hose and all fittings
- Replace nozzles
- Check gearbox to engine key for wear, and replace as required. NB Damage generated by worn keys is not covered by warranty.

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