



The portable wheel polishing machine (petrol)



Instructions for set up
and use

Safety instructions

WARNING: DO NOT INSERT OR REMOVE POLISHING HEADS WHEN ROTATING!

This could result in injury and or damage to the machine

Read the operating instructions before starting machine

Personnel must be properly trained or supervised when operating machine - make sure you have a clear and safe understanding of the machine you are operating

Only engage the polishing head when polishing heads are “in” or “mated” to rim

Wear correct clothing and footwear

Tie back long hair and loose clothing

Always wear safety glasses to prevent injuring your eyes

Use outdoors or in well ventilated area with correct respirators around fumes or dust when operating machine – machinery fumes & dust can cause serious respiratory illness – dust extractors must be used where applicable

Do not operate in confined spaces where exhaust fumes (carbon monoxide) can collect

Make a safe working environment - do not use machine in a damp, wet area or where flammable or noxious fumes may exist

Keep children & visitors away, make sure they are at a safe distance from your work area (**10m exclusion zone**)

Use correct fuel—PETROL

Turn engine to “OFF”– when servicing or making adjustments to machine and when machine is not in use.

Warning Labels - take note of any warning labels on the machine and do not remove them

Use recommended accessories – the use of improper accessories may cause the risk of injury

Check machine over before operating – check machine for damaged parts, loose bolts, etc and repair and replace damaged parts keeping machine well maintained

Do not smoke while operating or refuelling machine, do not remove fuel cap while engine is running or hot, refuel outdoors only. If fuel is spilt, do not start the engine. Move the machine away from the area of the spill. Do not create a source of ignition until the fuel vapours have dissipated

Machine must never be used when tired, or under the influence of drugs or alcohol – when using machine you must be alert at all times

Call for help – if at any time you experience difficulties, stop the machine and call your service department for help

Operating instructions

FAILURE TO FOLLOW OPERATING INSTRUCTIONS WILL VOID WARRANTY

General instructions

- keep these operating instructions where the operator can easily find them
- read these instructions before using the unit
- polishing machine is designed to be used with both hands on the start levers
- Only start machine when polishing heads are “in” or “mated” to rim
- Setup 10m exclusion zone for bystanders while working
- always set engine switch to OFF when adjusting heads or when machine is stored
- **DO NOT ALLOW BELTS TO SLIP**, during use. If belts are slipping pull levers to fully engage, or relieve some pressure on the polishing heads. (particularly on startup while cutting back)

To restore badly corroded rims

- 1 **Prep Rim** Remove rocks and tar (kerosene), smooth off damaged areas that may tear polishing fleece
- 2 **Check Valve clearance** some valves may need to be bent down (or turned on unusual rims)
- 3 **Place Red cutting fleece** onto one foam head (only to depth of valve stem), insert machine so polishing pads are just in contact with back of rim, pull both rotor engagement levers and cut rim back to a machined finish dry (approx. 2minutes). Or fit all 3 foam heads with red cutting fleece and lubricate with kerosene
- 4 **Remove red cutting fleece**
- 5 **POLISH RIMS** with white polishing fleece and lambs wool fleece. Use applications of liquid polish. The liquid polish will smear around the rim then go black, polish will then start to disappear, repeat with applications of liquid polish until desired shine is achieved. (approx. 1 minute)

Polish rims in fair to good condition

Same as above, SKIP STEPS 3-4 (approx. 2 minutes)

Included with machine



- Polishing Machine
- Instruction booklet
- Valve tool
- T-pins
- White polishing fleece (x21)
- Red cutting fleece (x9)
- Bottle of liquid polish

- 22.5" Spring and bolt kit
 - bar washers x3
 - spring bolts and nuts
 - foam head bolts
 - gearbox oil syringe

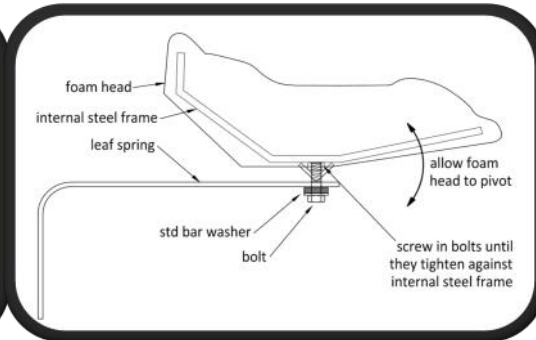
- Foam heads (AR-206-22-03 std)
 - foam heads x3
 - lambs tails x6
 - valve clearance instructions

Assemble machine

Note- Rotator disk can be spun by hand, set engine switch to "OFF" for safety while working on rotating parts.



- Stand up handle
- Bolt springs to rotator disc
- Bolt foam heads to springs
- Pin fleece to foam heads



Attach Fleece

- white polishing fleece is for polishing rims in fair to good condition
- red cutting fleece is to be used first on badly corroded rims



Foam Heads with “valve jump feature”



Pin fleece to foam head with a minimum of 8 T-pins per head

x4 T-pins on leading edge. (4 T-pins on trailing edge)

Note– T-pins into grey foam only



Attach Lambs wool fleece over the valve jump area to extend life of fleece and better fit well of rim.

x2 T-pins on leading edge. (2 T-pin on trailing edge)



Folded fleece pad or microfleece rag can be placed over valve wear point. On top of lambs wool fleece to collect excess polish in wheel well. Fit to 1 of the 3 foam heads only.
(optional)



Red cutting fleece can only be used up to the depth of the valve stem. **Fit to 1 of the 3 foam heads only when using dry.**

(optional)

USE “FULL FOAM HEADS”, to polish behind lug nuts and under valve stem (recommended for rims in bad condition)

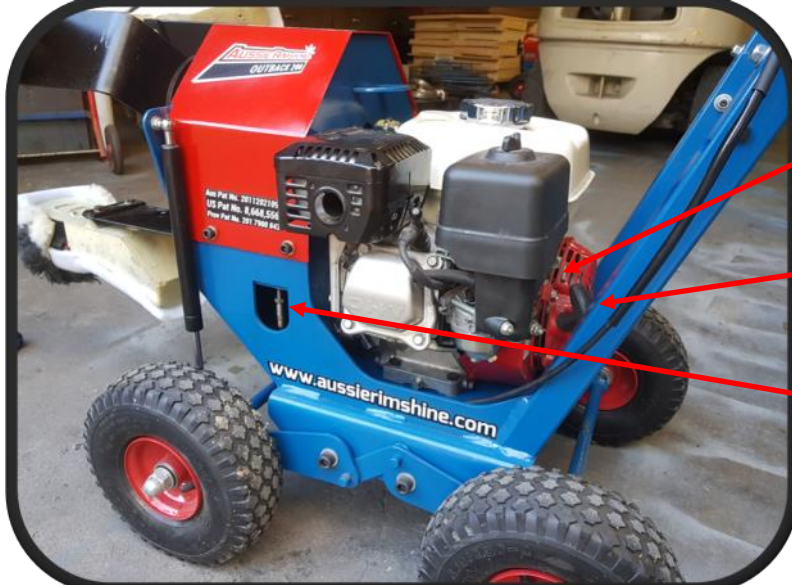
go to
www.aussierimshine.com
for video instructions

Machine controls



- Engine ON/OFF switch
- Engine oil FILL/CHECK plug
- Gearbox oil FILL/CHECK plug
- Gearbox drain hole

IMPORTANT
Check
ENGINE and **GEARBOX**
oil before use -see engine manual



- Throttle
- Choke
- Fuel ON/OFF
- Pull Start
- Rotor engagement adjuster
 - Set at factory but may need adjusting as belts wear



- Rotor engage levers x2
 - Run on FULL throttle while polishing
 - both levers must be pulled to engage rotor head
 - pull levers hard enough to engage rotor head, **DO NOT LET BELTS SLIP WHILE POLISHING**
 - do not pull levers harder than required to fully engage rotor head or mechanism may be damaged

Valve Jump foam heads

AR-206-22-03

Foam Heads 22.5" US std valve

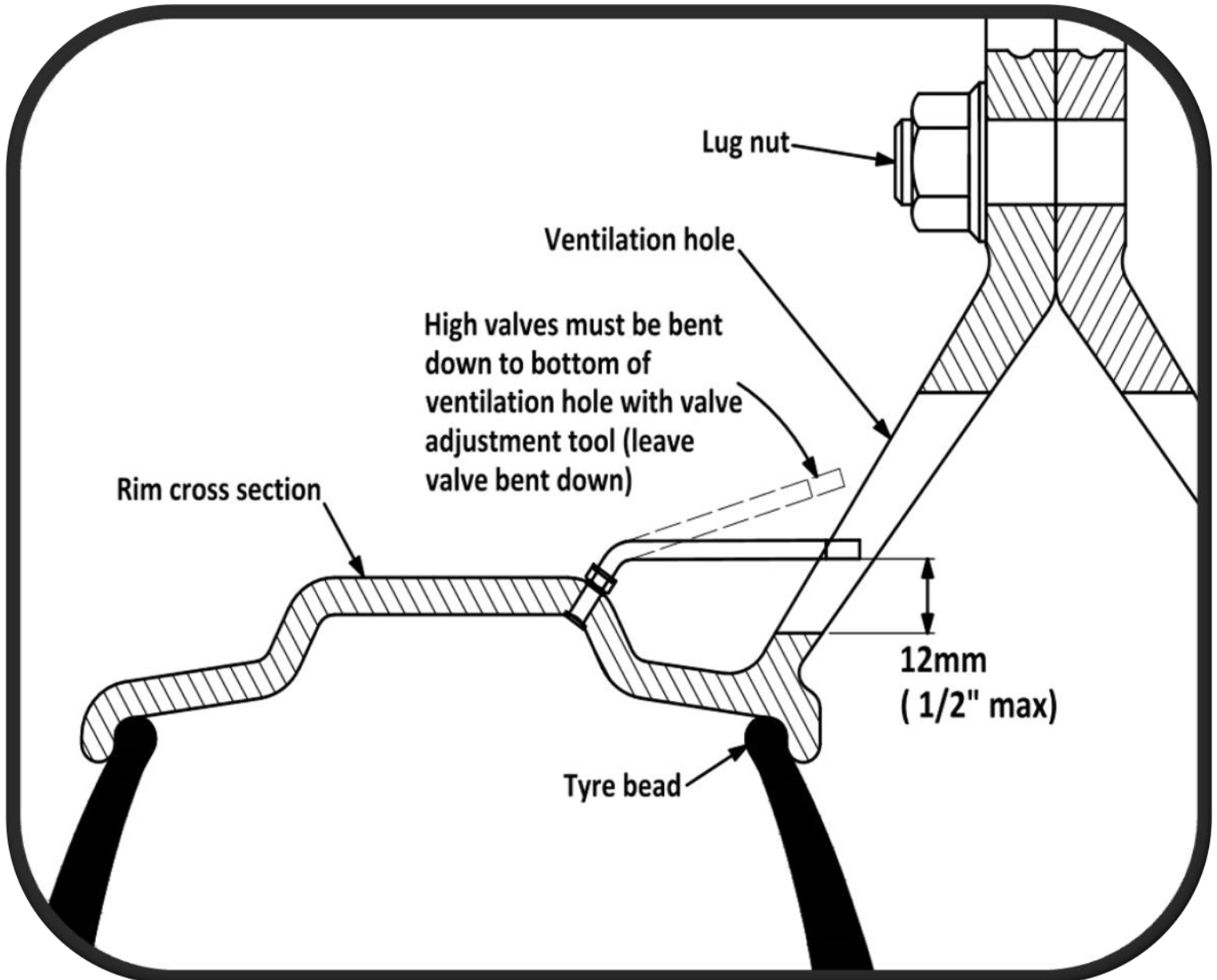
AR-210-22-03

Foam Heads 24.5" US std valve

AR-208-22-03

Foam Heads 22.5x9" US BUS std valve

Adjust valve clearance



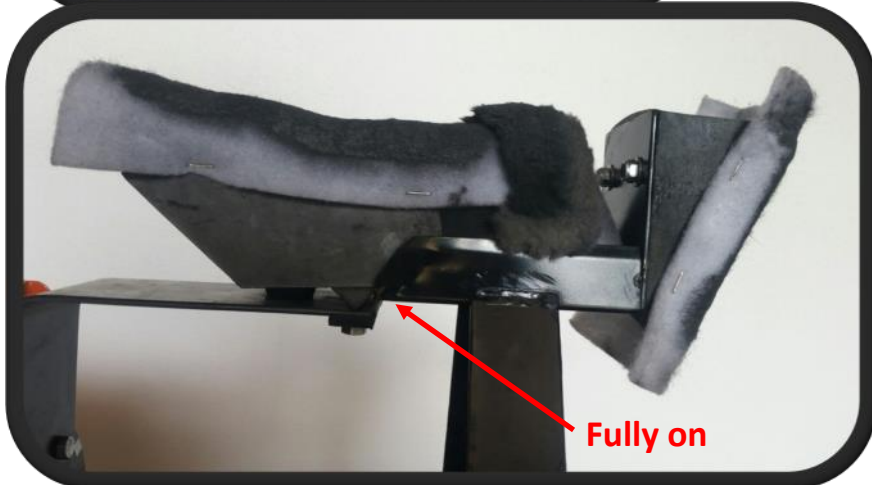
Note– The above diagram describes how to adjust valve clearance for a **std 24.5" and 22.5"x8.25" (285 pcd) alcoa** truck rim. Valve clearance for all other foam head and rim combinations must be checked before polishing, some combinations may require the valve to be turned or foam head to be customised.

Recommend fitting new valve stem when new tires are fitted. (or after approx. 30 polishes)

Polish Steer Wheels



- Bolt correct front wheel foam heads to the front wheel adapter frame



- Slide front wheel adapter frame fully onto existing foam heads
- Attach 1/2 fleece pads to foam heads with T-pins (2 on leading edge)



- Check for valve protrusions or extensions and adjust if needed
- Adjust height and angle of machine until all three front foam heads are mated to rim
- Keep pressure towards rim and push start buttons

If bottom of rim is not polishing due to camber on axle

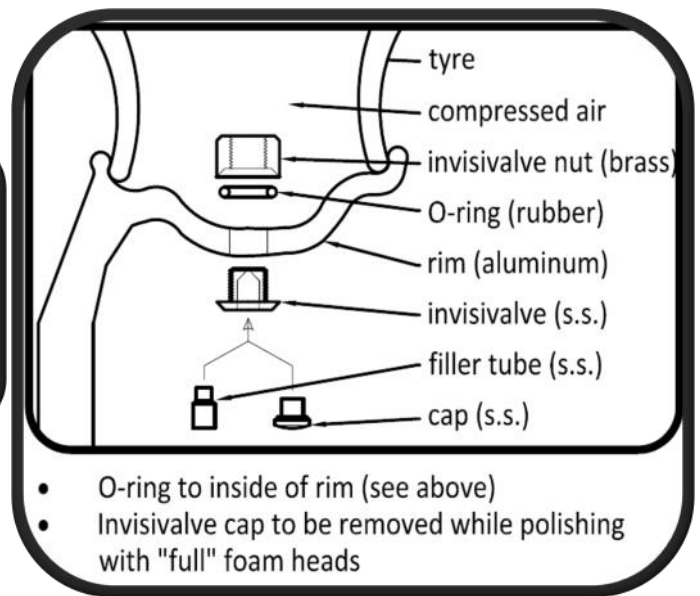
- Point truck steer tyres straight ahead
- Let rear tyres of aussie rimshine machine down to 5psi and apply down pressure with foot
- Place 16mm plywood pad under front wheels of aussie

FITTING INVISIVALVES



Invisivalve in position

Inflate using filler tube and airchuck



Trouble Shooting

Trouble	Cause	Fix
Wont start, runs slowly	Wheel very rough	Do not push machine into wheel hard until running
	Red cutting fleece	Max of 1 foam head to use red cutting fleece. Or lubricate wheel with kerosene
Fleece tearing or excess wear	Valve not adjusted	Adjust and check valve clearance
	Stones or tar on to rim	Remove before polishing
	Sharp edges on machined rims	Use red cutting fleece to smooth edges around ventilation holes
Foam head damage	Valve not adjusted	Adjust and check valve clearance or fit invisivalve
	Incorrect rim	Use correct foam heads
	Valve extension	Remove valve extension from other rim
Wont polish bottom of front wheels and tag axles	Camber of axle	Deflate rear tyres of rimshine machine to 5psi to allow rear of machine to be pushed down with operators foot. (or packer under front wheels)
Suspension sag	Gas struts failing	Re gas struts to 2800 kpa
Black sludge left in rim	Too much polish used	light applications recommended

Motor specifications

5.5HP petrol motor with 6:1 reduction gearbox– see motor manual



Motor and Gearbox oil change (see motor manual for maintenance schedule)

DRAIN MOTOR OIL –remove drain plug in motor base plate

DRAIN GEARBOX -remove 11mm oil check bolt in gearbox
-tilt machine on side to allow oil to drain

Fill ENGINE oil

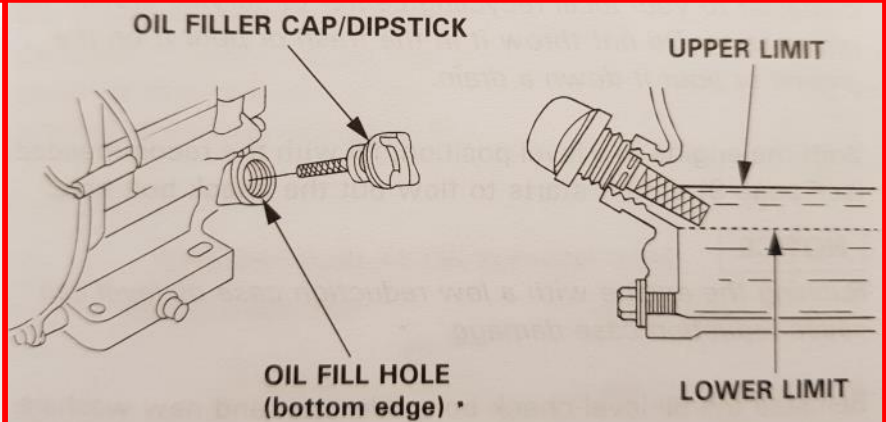
Use 4 stroke motor oil -SAE 10W-30

Engine oil capacity-

600ml (0.63 US qt, 0.53 Imp qt)

Or fill to bottom edge of oil fill hole

See motor manual for details



Fill GEARBOX oil

Use 80W-90 Gear Oil

Gearbox oil capacity– **130ml**

-Remove oil check bolt with 11mm socket on extension bar and ratchet.

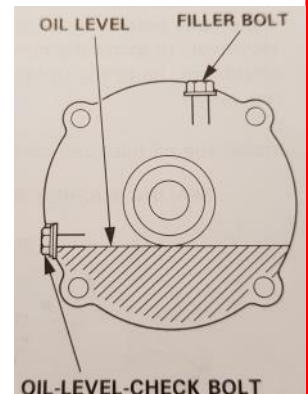
-Tip machine to 30 degree angle with block under side wheels.

-Insert syringe hose or funnel and “SLOWLY” fill gearbox with oil.

-Re-install check bolt and washer and tighten securely.

-Tip machine back to level

See motor manual for details



LIMITED WARRANTY

1 Period of warranty In addition to any warranties implied by applicable State or Regulations, Raleigh Corporation Pty. Ltd. warrants its products against defective workmanship and faulty materials for 12 months from the date of purchase and undertakes at its option to repair free of charge each product or part thereof on condition that:

The machine is found on examination to be suffering from a material or construction defect.

The machine or relevant part has not been subjected to misuse or neglect.

The repairs are not required as a result of normal wear and tear.

2 Warranty Exclusions

Normal wear and tear.

Damage occurring during shipment.

Machines misused or damage resulting from improper assembly.

Damage resulting from causes other than defects in materials and workmanship including but not limited to lack of technical skill, competence or experience of the user.

Any indirect or consequential loss damage cost or expense suffered by the owner that may have resulted either directly or indirectly from the failure or malfunction of the product.

The owner must operate the machine in accordance with the instructions provided.

A copy of the original invoice should be retained as the best form of proof of purchase.

Certifications

Aussie Rimshine

6842 Great Alpine Rd

Porepunkah VIC 3740 AUS