

PORTABLE CONCRETE VIBRATOR



OPERATION MANUAL

MODEL - PV45R

INTRODUCTION

We have taken care in the selection, testing and design of this product.

Should service or spare parts be required this can be provided by our company or our nominated agent.

SAFETY

The most important safety device is a well informed operator. Care and good judgment are the best protection against injury. All possible hazards can not be covered here, but we have tried to highlight some of the important items, individuals should look for and obey any warning signs on equipment and in the workplace.

Operators should read and understand all instructions included with this machine.

APPLICATIONS

Piers, pre cast beams, foundations, stairs, walls, floors, slabs, panels, floor stumps, footings, fence posts.

FUNCTIONS & CONTROLS

The machine is controlled by an ON-OFF switch and a throttle lever.

The motor is 4 stroke and only unleaded petrol can be used.

HAZARDS & RISKS

Never allow any person to operate the machine without adequate instruction.

Ensure all operators read, understand and follow the operating instructions.

Serious injury could result from improper or careless use of this machine

! MECHANICAL HAZARDS

Do not operate the machine unless all protective guards are in place.

Keep hands and feet clear of rotating and moving parts to avoid injury.

Ensure that the motor is in the OFF position and the spark plug lead is disconnected before removing the guards or making adjustments.

Do not leave the machine in operation while it is unattended.

Exercise care when operating the unit. Exposure to vibration or repetitive work may be harmful to hands and arms.

Do not hold the vibrator shaft while in operation, hold the unit with both hands on the handles provided and use the shoulder strap to help support the unit.

Never stand or place your foot on the vibrator head while in operation.

Be careful not to come into contact with the muffler when the engine is hot as it could cause severe burns.

Ensure that any repairs to the motor and machine are carried out by competent personnel.

! FIRE & EXPLOSION HAZARDS

Fuel is extremely flammable and explosive under certain conditions.

Ensure that the fuel is only stored in an approved storage container.

Do not refuel the motor while it is in operation or hot.

Do not refuel the motor in the vicinity of sparks, a naked flame or a person smoking.

Do not overfill the fuel tank and avoid spillage when refuelling. Spilled fuel or fuel vapour may ignite. If spillage occurs, ensure that the area is dry before starting the motor. Ensure that the fuel tank cap is securely fitted after refuelling.

CHEMICAL HAZARDS

Do not operate in a confined area without adequate ventilation.

Carbon Monoxide exhaust gases from internal combustion engines can cause death in confined spaces.

NOISE HAZARDS

Excessive noise can lead to temporary or permanent loss of hearing.

Wear an approved hearing protection device to limit noise exposure, as required by Occupational Health and Safety Regulations.

PROTECTIVE CLOTHING

Always wear protective clothing and footwear to prevent contact with wet concrete.

Goggles and gloves may also be necessary.

ADDITIONAL HAZARDS

Slip/Trip/Fall is a major cause of serious injury or death.

Avoid loss of balance by starting the unit on a flat, level surface and only pick up when it is operating.

Beware of uneven or slippery work surfaces.

Exercise care when working in the vicinity of unprotected holes or excavations.

OPERATION

To start the machine, place on a flat level surface and turn the engine switch to ON.

Move the choke lever to the closed position.

Press the priming pump until fuel is seen in the fuel tube.

Pull the starter slowly until resistance is felt, pull briskly to start but do not pull out the recoil rope to the end. Return the starter grip to the normal position.

Open the choke lever as the engine warms up.

Operate the unit at high speed to ensure the clutch is engaged and the correct compaction is achieved.

Avoid sharp bends when in use or damage to the flex shaft could result.

Do not use as an external vibrator or leave running for extended periods out of the concrete as the unit needs to be immersed in the wet concrete to remain cool.

CARE & PREVENTATIVE MAINTENANCE

Check the oil level in the motor crankcase daily.

Check the air cleaner element daily.

Keep the unit clean and free of concrete build up.

Regular maintenance and inspection for damage to the vibrator and shaft is required to avoid premature wear. Rectify any faults immediately.

SERVICE

Change the oil in the motor crankcase regularly to minimize wear.

Inspect, clean and/or replace the motor air cleaner regularly, particularly when operating in a dusty environment.

Inspect, clean and/or replace the spark plug regularly.

Check all fasteners for tightness as the machine is subject to vibration.

WARRANTY

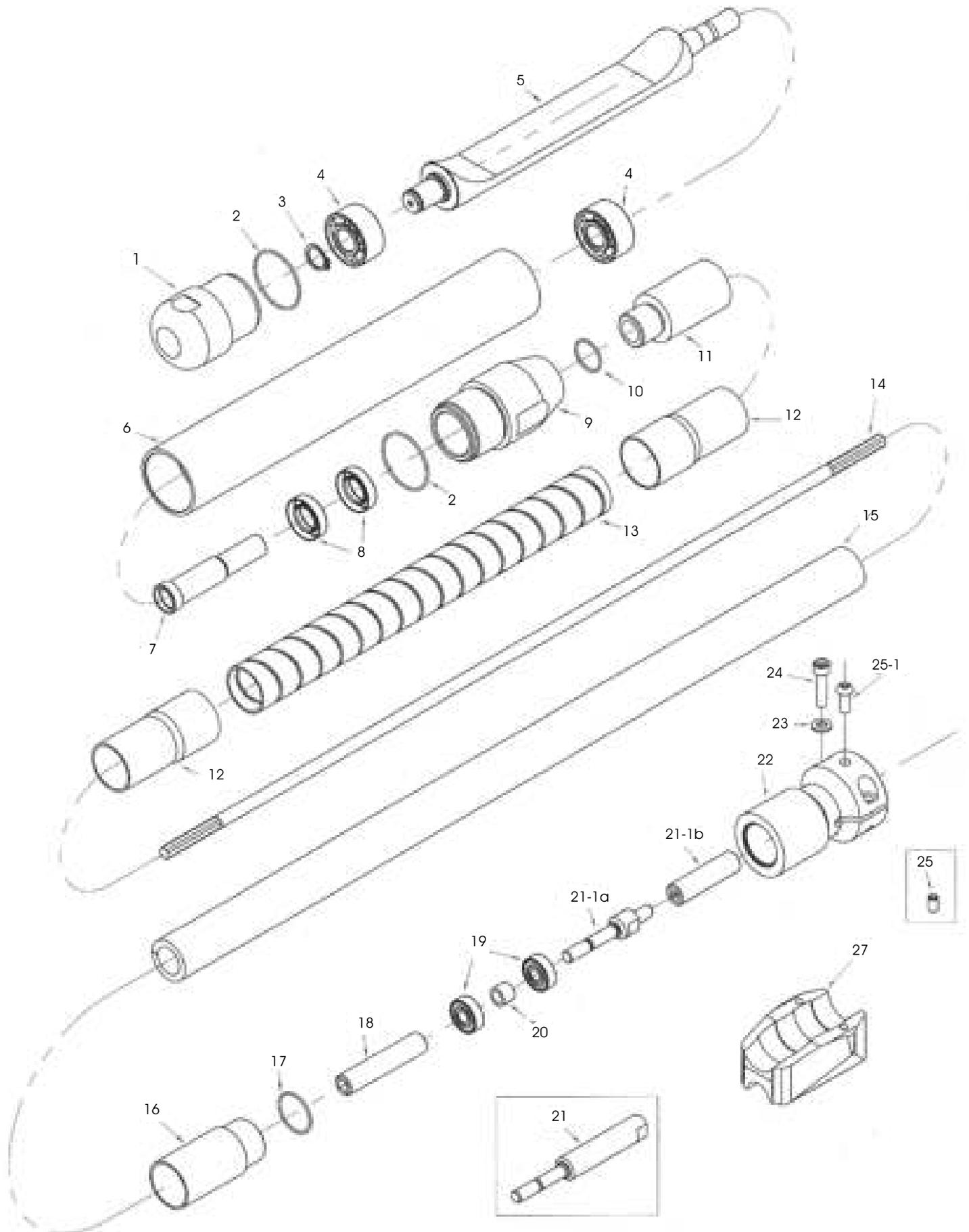
ENGINE 24 MONTHS
MACHINE 12 MONTHS

The warranty period begins from the date of purchase and covers defects in material and workmanship provided that:

- . The product has been operated and maintained in accordance with the operating instructions.
- . Has not been damaged by accident, misuse or abuse.
- . Has not been tampered with or repaired by any unauthorized personnel.

* The owner is responsible for the cost of transportation to and from the authorized repairer and the unit is at the owners risk while in transit to and from the repairer.

PORTABLE VIBRATOR



PORTABLE VIBRATOR

Item no	Part no.	Part Description	Qty.	*AIP	Rem.	Item no	Part no.	Part Description	Qty.	*AIP	Rem.
1	7365-001	End cap	1								
2	4908-15036	O-ring 1.5x36	2								
3	4900-00015	Circlip #A15	1								
4	4000-03202	Bearing 3202	2								
5	7365-003	Rotor Shaft	1								
6	7365-002	Barrel	1								
7	7365-004	Rotor connector	1								
8	4701-16287	Oil seal TC 16x28x7	2								
9	7365-005	Oil seal holder	1								
10	4908-15019	O-ring 1.5x19	1								
11	7365-006	Front end casing	1								
12	4921-00131	Spring liner clamp	2								
13	4921-00130	Spring liner	1								
14	4914-40806	Flexible shaft	1								
15	4915-12806	Outer casing	1								
16	7365-009	Back end casing	1								
17	4908-15025	O-ring 1.5x25	1								
18	7365-010	Flexible connector	1								
19	4002-00608	Bearing 608 2RS	2								
20	7365-011	Spacer	1								
21	7365-012	Shaft connector	1	21	*A						
21-1a	7365-014	Connector joint	1	01							
21-1b	7010-015	Connector	1	01	*B						
22	7365-013	Split connector	1								
23	4913-10006	Spring washer M6	2								
24	4411-06025	Cap screw M6x25L	2								
25	4451-06010	Set screw M6x10L	1	10							
25-1	4481-06016	Button head cap screw M6x16L	1	00							
26	7365-050	Mounting block	1								
-	4931-00530	Lubricant Oil	20ml								
-	4931-50707	Grease	6ml								

***AIP : Availability and Interchangeability of Part.**

Part Availability.	Part Interchangeability.
0 : Available.	0 : Interchangeable.
1 : Obsoleted.	1 : Interchangeable, but with Condition.
2 : While stock last.	2 : NOT Interchangeable.



Hire and Rental Industry Association Ltd

Product Safety Assessment Sheet

PLANT INFORMATION

PSA Ref #: 00049

Model No: PV45R

Plant Name: CROMMELINS PORTABLE VIBRATOR

Manufacturer: Crommelins Machinery WA

Manufacturer's Website: www.crommelins.com.au

Web Link for Plant: www.crommelins.com

Mandatory Personal Protective Equipment:



Foot
Protection



Hearing
Protection



Protective
Clothing



RISK ASSESSMENT INFORMATION

Operator Competency: Plant Licence Not Required

Potential Hazard(s)	Risk Level	Control Measure(s)
Coming into contact with hot parts of the engine.	Low	<ul style="list-style-type: none">The muffler is fitted with a heat shield. Let the engine cool down before attempting any maintenance. Avoid contact with hot parts of the engine.
Explosion or fire from fuel vapours.	Medium/Low	<ul style="list-style-type: none">Stop the engine before refuelling. Do not refuel while hot. Avoid spillage of fuel when refuelling. Ensure the fuel cap is properly secured after refuelling. Carry out visual checks for fuel leaks and repair before operation. Keep flammables away from the engine. Do not smoke while operating, servicing or refuelling this machine.
Inhaling exhaust or fuel fumes.	Medium/Low	<ul style="list-style-type: none">Only operate in a well ventilated area. Do not operate in a confined space. Avoid breathing petrol fumes. Avoid skin contact with petrol.
Coming into contact with moving parts.	Low	<ul style="list-style-type: none">Keep hands and feet away from the vibrating end. Exposure to vibration can be harmful. Hold the unit with both hands on the handles provided and use the shoulder strap to support the unit.
Slip/Trip/Fall.	Low	<ul style="list-style-type: none">Start the unit on a flat level surface and only pick up when it is running to avoid loss of balance. Beware of uneven or slippery work surfaces and exercise care when working around holes or obstacles.

Hearing damage from excessive noise.	Medium/Low	<ul style="list-style-type: none"> Hearing protection with a rating of 20db must be worn.
Injury or ill health due to exposure to excessive vibration.	Low	<ul style="list-style-type: none"> The operator needs to take regular breaks to provide postural relief for safe work practises.
Exposure to ultraviolet radiation if working outdoors.	Medium	<ul style="list-style-type: none"> Wear sunscreen, hat, long sleeves and long trousers.

Customer Identified Hazard(s)

Key Operating Instructions

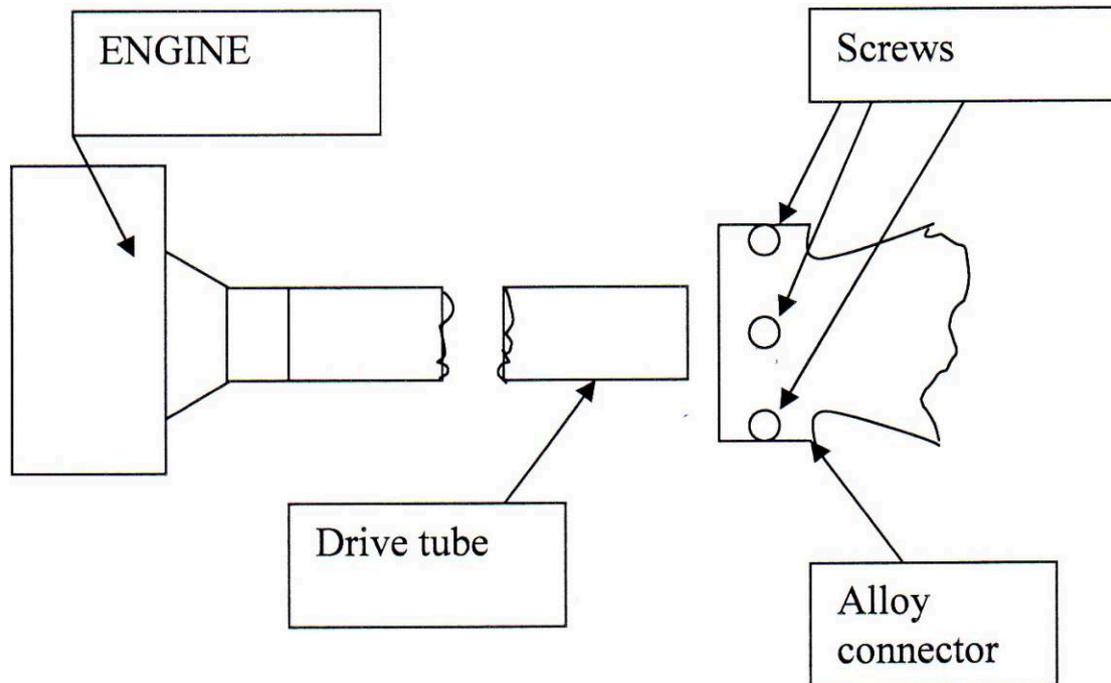
Use unleaded fuel only (4 stroke).
 To start, ensure stop switch is in the ON position, throttle in low speed position.
 Prime the fuel bowl until it is full.
 For cold start close the choke lever.
 Pull the recoil rope to start, as the engine warms up return the choke lever to the open position.
 Always start the machine on the ground and pick up when running.
 To commence operation pull the throttle trigger until the desired speed is reached.
 Hold on to both handles and use the harness provided when operating.
 To stop the machine return the throttle to low speed and turn OFF the stop switch.
 Please refer to the User Guide and Operator's Manual for Operating Instructions

The Safety Information on this assessment has been developed for the Hire and Rental Industry to assist in the safe operation of this equipment.

This information contains general information only and should not be relied upon as a substitute for professional advice, which the user should seek before operating.

Once printed this is an uncontrolled copy.

PORTABLE VIBRATOR ASSEMBLY



!To fit the two parts of the portable vibrator together, lay both parts on a flat surface.

!Remove centre button head screw from aluminium connector and loosen the other two screws.

!Locate drive tube into the connector and push together. If they don't push fully together rotate one part to locate square drive on the end of the shaft to the square hole in the alloy connector.

!Push fully home and align the hole in the tube with the cap-screw hole. Refit the cap-screw and tighten, then tighten the other two bolts.