

CROMMELINS™
MACHINERY

PORTABLE CONCRETE VIBRATOR



OPERATION MANUAL

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 it 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.

- Store the machine in a horizontal position with engine upright. Laying the machine on its side or upside down for long periods will result in oil entering the air cleaner which will result in excessive smoke when running. Long periods of abnormal angles will also result in over oiling and excessive smoke.

SERVICE

Change the oil in the motor crankcase regularly to minimize wear, (every 10hrs).
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

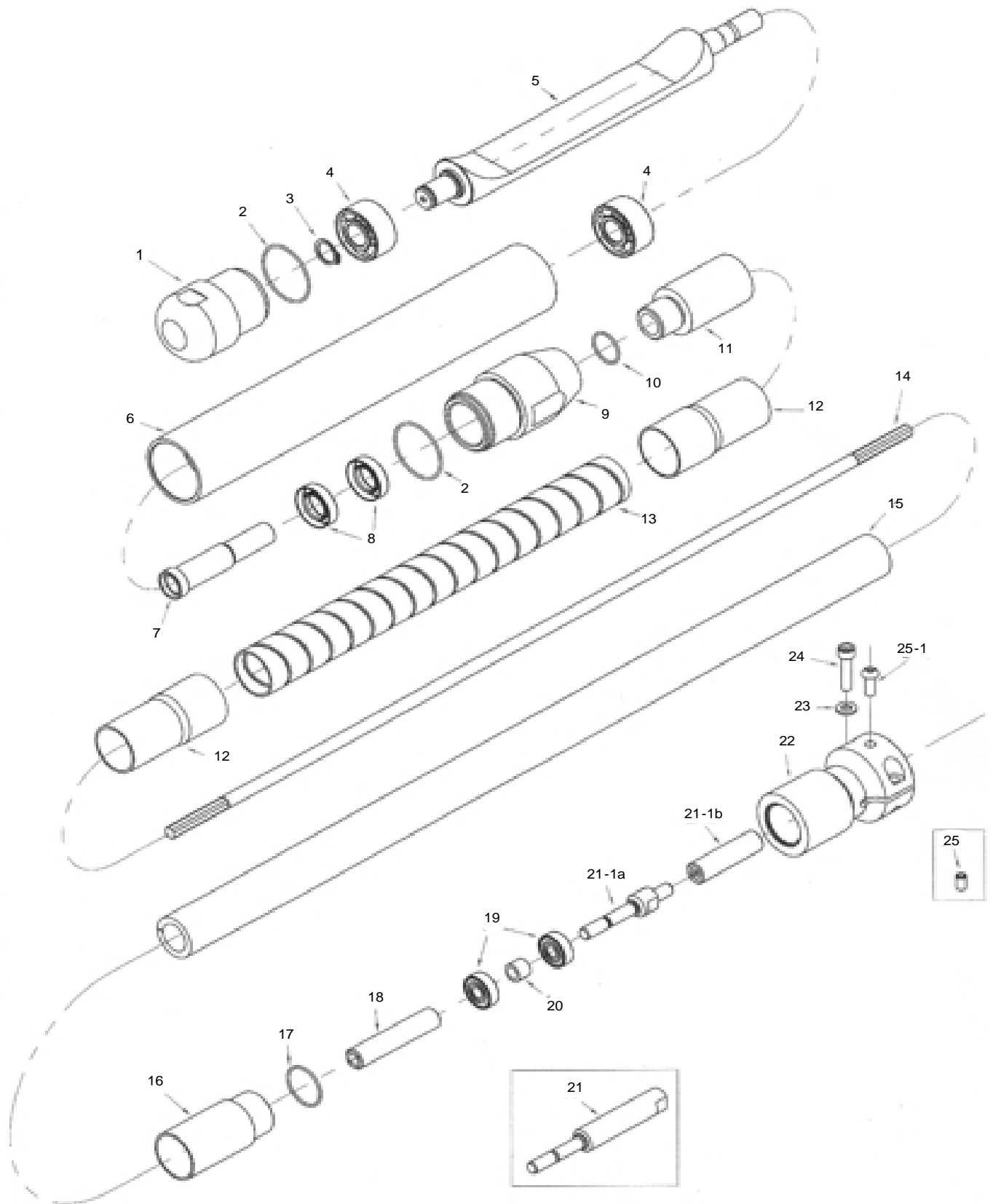
MACHINE 12 MONTHS

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.
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.**

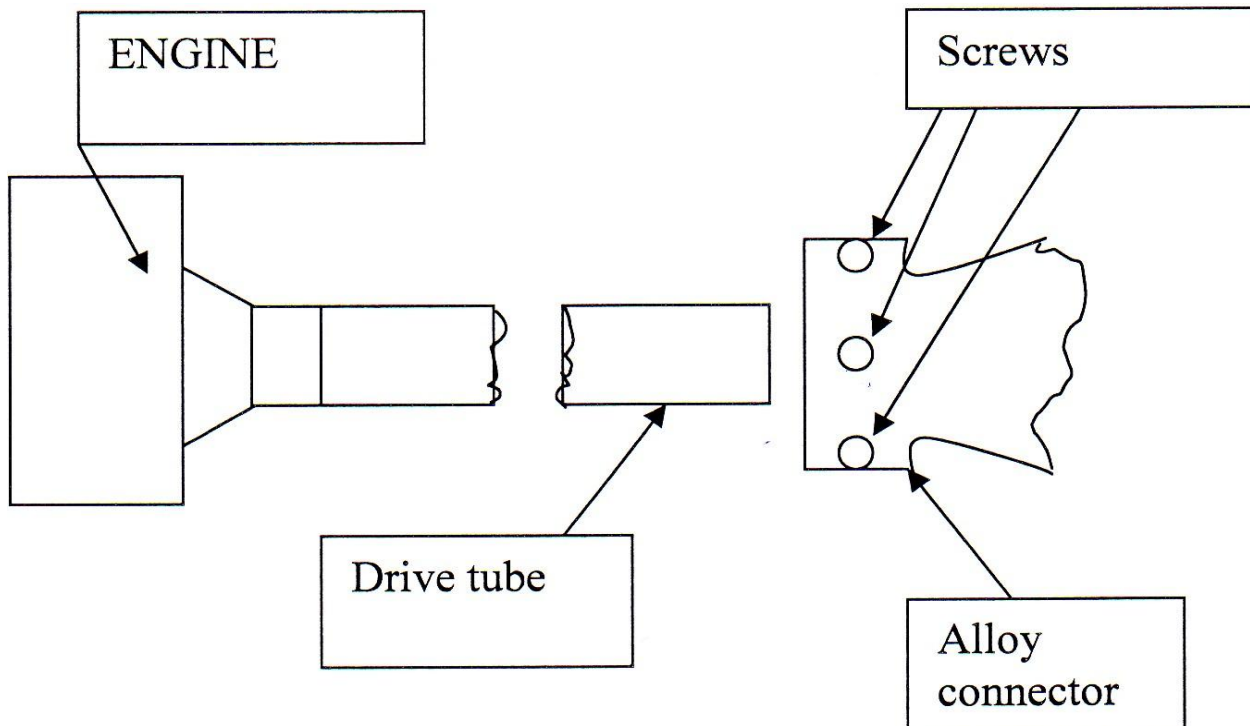
Part Availability





- 0: Available
- 1: Obsolete
- 2: While stock last

Part Interchangeability

- 0: Interchangeable
- 1: Interchangeable, but with Conditions
- 2: NOT Interchangeable

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.

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