

# **SURFACE FINISHING SCREED**

**CEDLW01**

## **OPERATING INSTRUCTION**



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### WARNING

To reduce the risk of injury , all operators and maintenance personnel must read and understand these instructions before operating , changing accessories or performing maintenance on equipment we produced . All possible situations cannot be covered in these instructions. Care must be exercised by everyone using, maintaining or work near this equipment.



### CAUTION



#### NO OIL IN ENGINE

Fill the engine with oil to the correct level before starting the engine.

#### ДВИГАТЕЛЬ ПОСТАВЛЯЕТСЯ БЕЗ МАСЛА

Перед запуском проверьте и заполните до требуемого уровня.

#### MOTOR SIN ACEITE

Agregue aceite al motor al nivel correcto antes de encenderlo.

#### MOTOR SEM ÓLEO

Adicione óleo ao nível correto antes de ligar o motor.

# I . INTRODUCTION

Thank you for your selection of our equipment.

General Safety Instructions for Operation of Power Equipment

The goal is to produce power equipment that helps operator work safely and efficiently. The most important safety device for this or any tool is the operator. Care and good judgment are the best protection against injury. All possible hazards cannot be covered here, but we have tried to highlight some of the important item.

Individuals should look for and obey Caution, Warning and Danger signs placed on equipment and displayed in the workplace. Operators should read and follow safety instructions packed with each product.

Learn how each machine works. Even if you have previously used similar machines, carefully check out each machine before you use it. Get the "feel" of it and know its capabilities, limitations, potential hazards, how it operates, and how it stops.

## II . APPLICATIONS

Compaction of concrete slabs

Roadways

Precast sections

Warehouse floors

## III. FUNCTIONS AND CONTROLS

Motor

The motor is controlled by an ON/OFF switch or push button which is mounted on the motor below the fuel tank.

The motor speed is controlled by throttle lever mounted on the handle.

The motor is a 4-stroke unit and must only be used with Unleaded.

## IV. HAZARDS AND 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

### 4.1 MECHANICAL HAZARDS

DO NOT operate the machine unless all protective guards are in place.

KEEP hands and feet clear of rotating and moving parts as they will cause injury if contacted.

ENSURE that the motor operation switch is in the OFF position and the spark plug ignition 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 unit.

Exposure to vibration or repetitive work actions may be harmful to hands and arms.

NEVER stand on the unit while it is operating.

BE CAREFUL not to come in contact with the muffler when the engine is hot, since it can cause severe burns.

ENSURE that repairs to the motor and machine are carried out by COMPETENT personnel.

## **4.2 FIRE & EXPLOSION HAZARDS**

RETROL is extremely flammable and explosive under certain conditions.

ENSURE that petrol 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 over fill the fuel tank and avoid spilling petrol when refueling. Pilled petrol or petrol vapor 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 refueling.

## **4.3 CHEMICAL HAZARDS**

DO NOT operate or refuel a petrol motor in a confined area without adequate ventilation.

CARBON MONOXIDE exhaust gases from internal combustion motor driven units can cause death in confined space.

## **4.4 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.

## **4.5 PROTECTIVE CLOTHING**

ALWAYS wear protective clothing and footwear to prevent the skin coming into contact with wet concrete.

PROTECTIVE FOOTWEAR should be worn to reduce injuries from penetration through the sole, contact with cutting objects, slipping, contact with wet concrete and electrical hazards.

GOGGLES for eye protection may also be necessary.

USE waterproof protection for hands and knees (if kneeling) when concreting. If your clothing becomes wet from concrete contact make sure you change the clothing. Do not walk about waiting for it to dry.

## **4.6 ADDITIONAL HAZARDS**

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

Beware of uneven or slippery work surfaces.

## V. OPERATION

Using the vibrating-beam screed

Once the concrete, with its surcharge, has been spread start the motor and manually pull the beam along the slab.

Make sure that there is always a continuous surcharge along the entire length of the leading edge.

Generally one steady pass with the screed should be enough to compact and level the concrete.

Vibration of the concrete is still necessary to bring air bubbles to the surface.

Start the motor using the recoil starter.( If the motor is fitted with an on/off switch this must first be turned to ON before starting )

ALWAYS maintain good footing so that you do not slip and loose control when starting or operating the machine.

## VI. CARE AND PREVENTIVE MAINTENANCE

Inspect the rubber anti-vibration mounts for wear or deterioration.

Clean the aluminum beams regularly to prevent a build up of concrete residue.

## VII. SERVICE

The housing weight must be greased after every 10 hours of operation. Do not over grease.

Inspect, clean and/or replace the motor air cleaner regularly 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.

Test the screed beams on a resilient support at each end. (eg: use two car tyres)

## VIII.CLEANING AND STORAGE

Keep the unit clean and free of concrete residue.

Ensure the cooling fins on the motor are kept unobstructed.

## IX. BLADE OPTIONS

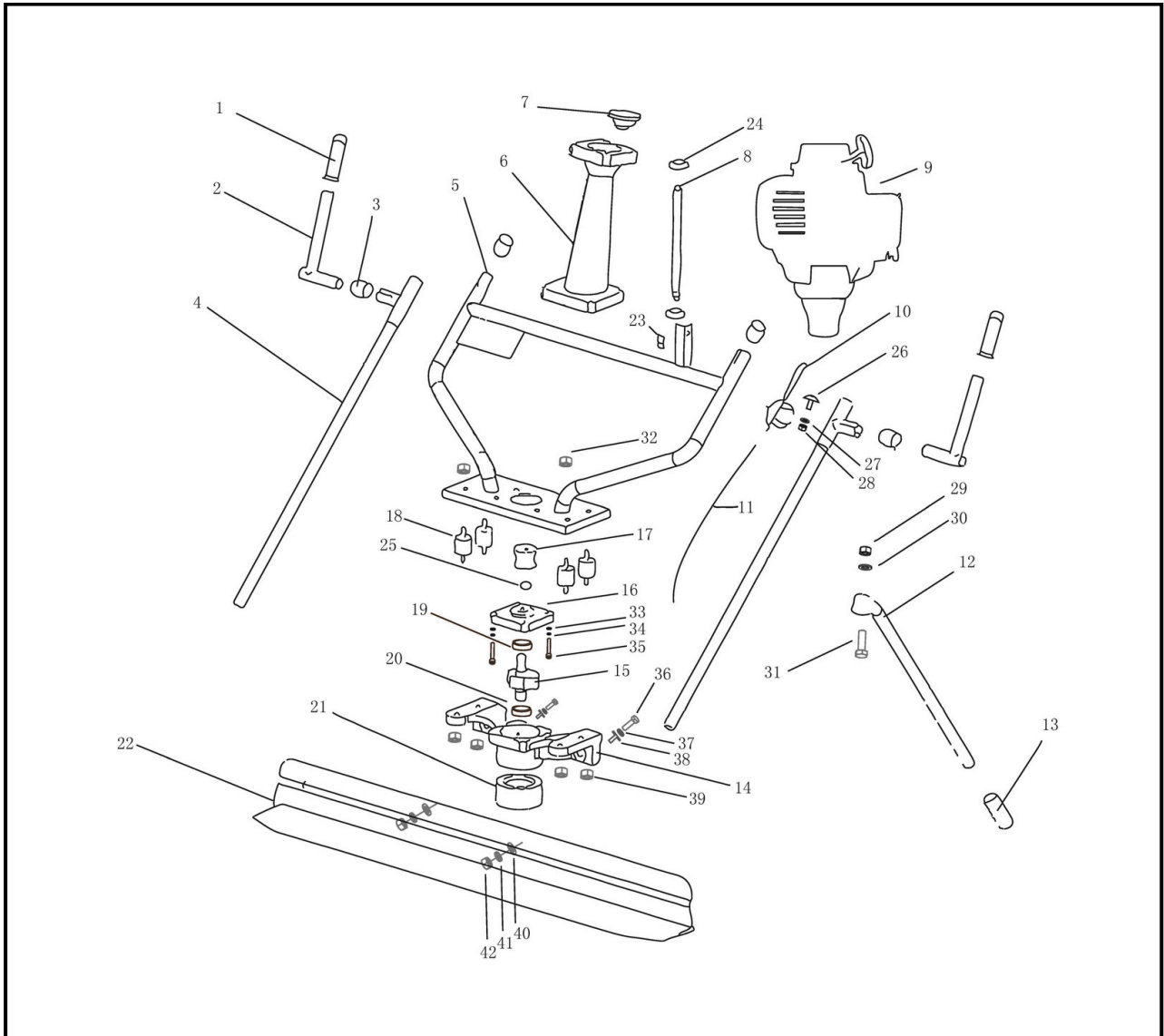
Blade Size m ( ft )	1.22(4)	1.8(6)	2.44(8)	3.0(10)	3.66(12)	4.47(14)	4.88(16)
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# X. TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	SOLUTION
Vibrates insufficient and as a result the concrete floor cannot be leveled and smoothed in the proper way	The centrifugal force of the vibrator is set too low?	Adjust the eccentric weights or increase engine speed.
	There is excessive amounts of concrete along the leading edge of the blade?	Remove the excessive concrete from the blade.
	The chosen width of the blade is too large?	Work with a smaller blade. Remember maximum width is 20ft.
The Screed when used as a from-to-from screed vibrates too much and does not travel smoothly across the rail supports.	Selected blade and eccentric weights do not match?	Adjust eccentric weights to match selected blade width.
Concrete looks “ WAVY “ as the screed blade passes over it.	Operator moving too slowly?	Walk backwards at a faster pace.
	Too much vibration for the type of concrete?	Reduce engine speed and walk backwards at a faster pace.
Leaving HIGH or LOW spots during wet screed.	Concrete too high or low on one side?	Have workers shape the concrete close as possible to grade. Maintain about 1 inch of concrete across the front of the blade at all time. Each end of the blade must ride on
Blade digs into wet concrete.	Is blade positioned correctly?	the same surface. Either each end of the blade rides on forms or concrete (wet screed) not both. Check gap, insulation or replace spark plug.
Difficult to start, “fuel is available, but no SPARK at spark plug”	Spark plug bridging?	Clean or replace spark plug.
	Carbon deposits on spark plug?	
	Short circuit due to deficient spark plug insulation?	Check spark plug insulation, replace if worn.
	Improper spark plug gap?	Set to proper gap.
Difficult to start, “fuel is available and SPARK is present at the spark plug”.	ON/OFF switch is shorted?	Check switch wiring, replace switch .
	Ignition coil defective?	Replace ignition coil.

SYMPTOM	POSSIBLE CAUSE	SOLUTION
	Improper spark gap, points dirty?	Set correct spark gap and clean points.
	Condenser insulation worn or short circuit?	Replace condenser.
	Spark plug wire broken or short circuiting?	Replace defective spark plug wiring.
Difficult to start, "fuel is available, spark is present and compression is normal"	Wrong fuel type?	Flush fuel system, and replace with correct type of fuel.
	Water or dust in fuel system?	Flush fuel system.
	Air cleaner dirty?	Clean or replace air cleaner.
	Choke Open?	Close Choke
Difficult to start, "fuel is available, spark is present and compression is low"	Suction/exhaust valve stuck or protruded?	Re-seat valves.
	Piston ring and/or cylinder worn?	Replace piston rings or piston
	Cylinder head and/or spark plug not be tightened properly?	Torque cylinder head bolts and spark plug.
	Head gasket and/or spark plug gasket damaged?	Replace head and spark plug gaskets.
No fuel presents inside fuel bulb.	Fuel not available in fuel tank?	Fill with correct type of fuel.
	Fuel filter clogged?	Replace fuel filter
	Fuel tank cap breather hole clogged?	Clean or replace fuel tank cap.
	Air in fuel line?	Bleed fuel line

# XI. REPLACEMENT PARTS LIST



PATR NUMBER	DESCRIPTION	QTY
1	Grip	2
2	Handle	2
3	Clamp	4
4	Handle Tube	2
5	Body Frame	1
6	Upright Post	1
7	Clutch Assy, GX35	1
	Clutch Assy, Chines Petrol Engine	1



PATR NUMBER	DESCRIPTION	QTY
8	Principal Axis	1
9	Engine Throttle	1
10	Lever Throttle	1
11	Cable Support	1
12	Rubber Support	1
13	Base Plate	1
14	Eccentric Gear	1
15	Cove Plate Hex Link	1
16	Block Bump Stop	1
17	Bearing 3202	1
18	Bearing 3203	4
19	Rubber Cap	1
20	Aluminum Blade	1
21	Switch, Engine Stop	1
22	Bearing 6201	1
23	O Ring	1
24	Bolt M6*30	2
25	Flat Washer $\Phi 6$	1
26	Nut M6	2
27	Nut M8	2
28	Flat Washer $\Phi 8$	2
29	Bolt M8*16	1
30	Nut M8	1
31	Flat Washer $\Phi 8$	1
32	Spring Washer $\Phi 8$	4
33	Bolt M8*35	4
34	Bolt M12*55	4
35	Flat Washer $\Phi 12$	4
36	Plastic Adapter	2
37	Nut M8	2
38	Flat Washer $\Phi 12$	2
39	Spring Washer $\Phi 12$	4
40	Nut M12	2
41		2
42		2

