

PDZ1550W
Single Direction
Vibratory Asphalt Plates
Owner's Manual



SAVE THIS MANUAL FOR FUTURE REFERENCE

This manual provides information regarding the operation and maintenance of these products. We have made every effort to ensure the accuracy of the information in this manual. We reserve the right to change this product at any time without prior notice.

Please keep this manual available to all users during the entire life of the Vibratory.

CATALOGUE

Section One: Operator's Manual




I Safety Information.....	3
II Application.....	5
III Check Before Start.....	5
IV Operations.....	6
V Turn Off.....	8
VI Inspection & Maintenance.....	8
VII Transport.....	10
VIII Storage.....	11
IX Malfunction List.....	12
X Technical Specifications.....	13

Selection Two: Parts List

1 Main machine	15
2 centrifugal axis.....	17
3 Clutch	18



I. Safety Information

1. General





 <p>READ MANUAL</p>	<p>Please read and understand this manual completely. The user shall be trained by the professional trainer before operating the machine.</p>
 <p>WARNING & CAUTION</p>	<p>Means the right operation, contravention to it may cause the set or spare parts damaged.</p>
 <p>FORBIDEN ACTION</p>	<p>Means the wrong operations that may induce casualty and be absolutely forbidden.</p>

2. Safety Details



2.1 Using Compactor

	<ul style="list-style-type: none"> ● The operation can not go away when the machine is running, while keeping a safety distance is necessary. ● Please check the machine carefully (based on the 3rd section) to avoid the accident or accessory damage before operating. ● Warning symbol should be showed besides the operating area; Irrelevant persons, especially for children are forbidden to enter within 2m of the working area. Stop operating immediately when they come close, to avoid injury. ● Make sure to operating on a balance surface. If not, the fuel may overflow.
	<ul style="list-style-type: none"> ● Never operate the engine in a closed area or it may cause unconsciousness and death within a shoat time. Operate the machine in a well-ventilated area. ● Never operation the machine outside the using area; Operate the machine in flammable environment is forbidden. ● Never operating the machine where necessary safety equipments are absent or the machine is not mounted in the right operating area. ● Do not slant beyond 30° when using the machine

2.2 Using Engine

	<ul style="list-style-type: none"> ● Operation or replacing fuel of engine are very dangerous, please obey to the engine instruction manual (instruction manual is offered by engine manufacturer) strictly when using, if not, casualty may occur ● Refill the fuel tank in a well ventilated area; Screw the tank cap after refilling; Check whether it leak or not before using; Stop operating the machine immediately if tank leak. ● Close fuel cock before refueling with fuel; Be careful not to admit dust, dirt, water or other foreign into fuel. Wipe off spilt fuel thoroughly before starting engine. ● Keep the fuel tank empty when not using the machine.
	<ul style="list-style-type: none"> ● Never operating the engine in a flammable environment, especial do not replacing fuel for the engine in such occasion.
	<ul style="list-style-type: none"> ● Do not touch any parts of the engine when it is working or within short time after it stops, for the temperature of these parts are very high when is works. Storage and transportation after it is cooled is acceptable.
	<ul style="list-style-type: none"> ● Do not refill tank while engine is running or hot ; ● Never operating without air filter.

2.3 Maintenance and repairing

	<ul style="list-style-type: none"> ● Maintain and repairing machine according to the owner's manual. ● Unload spark plug cover when maintaining or repairing machine. ● Often clean air filter and radiator. ● Using the spare parts recommended.
	<ul style="list-style-type: none"> ● Never cleaning or repairing the blades when machine is running. ● Do not juggle the parameter.

2.4 Use PPE

 <p>Earplug</p>	 <p>Goggle</p>	 <p>Protective shoes</p>	 <p>Glove</p>	 <p>Protective clothing</p>	 <p>Respirator</p>
--	---	---	--	--	---

II. Application

CP63 Vibratory Plate Compactor:

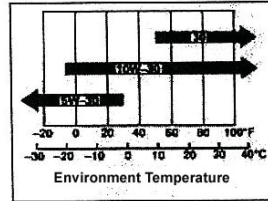
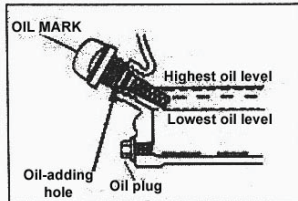
The vibration force and working speed can be continually adjustable, so user can choose adjustment according to different compact situation, such as soil, sand and pitch. CP63 is equipped with a water tank, can compact pitch.

III. Check Before Start

- ◇ Be sure each part of the machine are ready before operation.
- ◇ Check all of the controlling system and safety device and make sure they are workable.
Please inform the technician to repair immediately if any bug of safety equipment was found.
- ◇ Stopping operating immediately if any bug which may influence safety operating was found.

1. Oil check

1.1 Remove oil filler cap and check the engine oil level. If oil lever is below the lower level line, refill with suitable oil to upper level line. Do not screw filler cap when check oil level.



Oil Capacity---0.6L



Choosing the oil without cleanser or 2 stroke type can extend the life span of the engine

1.2 Recommended engine oil:

SAE10W-30

2. Maintaining an air cleaner in proper condition is very important, Dirt induced through improperly installed, improperly serviced, or inadequate elements damages and wears out engines, keep the element always clean.

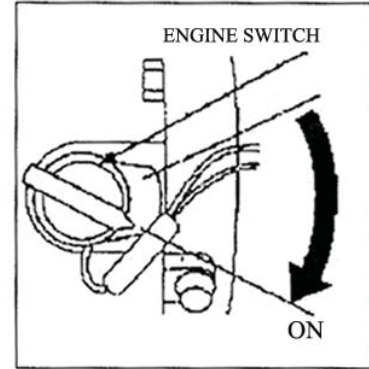
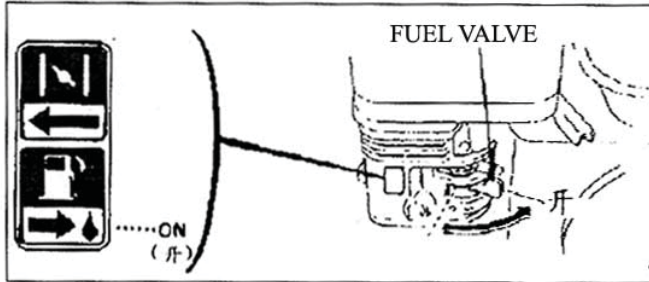
3. Check each bolts of the machine, make sure they are tight.

4. Make sure whether there is fuel in the fuel tank or not. Recommend Fuel—90# unleaded fuel. Oil and fuel mixer is not acceptable. Keep the fuel tank clean.

IV. Operations

1. Power On

1.1 Turn the engine switch to "ON"

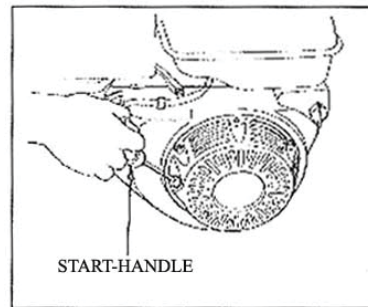
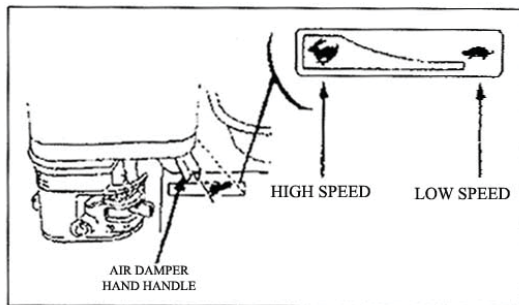
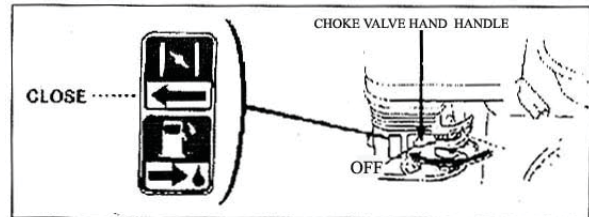


1.2 Screw the fuel valve to "ON"

1.3 Push the choke valve lever to "ON"

1.4 Push the throttle lever

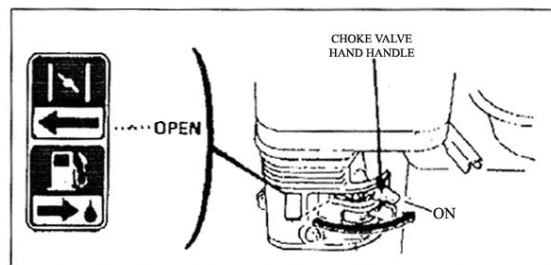
1.5 Pull the handle until feeling resistant, then pull the rope and start the engine.



Pull the rope handle slightly and then jerk immediately when you feel resistant hold the handle and let it go step by step with the rope bouncing back.

1.6 Warnings for operating plate compactors at high altitudes:

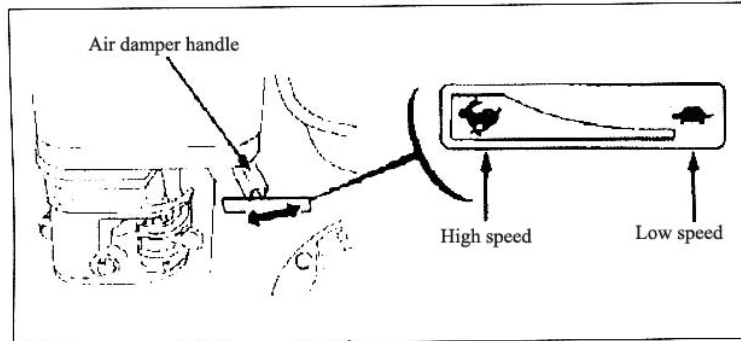
When using standard oil machines, the air with low oxygen content will make the concentration of oil in the oil-gas mixture too high, which will result in the reduced level of efficiency of engine and the increase of the consume of oil. Therefore, it is necessary to change the nozzle of the carburetor with a smaller aperture and readjust the idle speed of the carburetor in order to improve the performance of the engine. But under the condition that the nozzle of the carburetor is fitted, the power of the engine will still reduce about 3.5% with each 300 meters raise of the sea level.



2. Using the Plate Compactor

2.1 Open the choke on the carburetor after start, warm up.

2.2 Pull the air damper handle to the right.

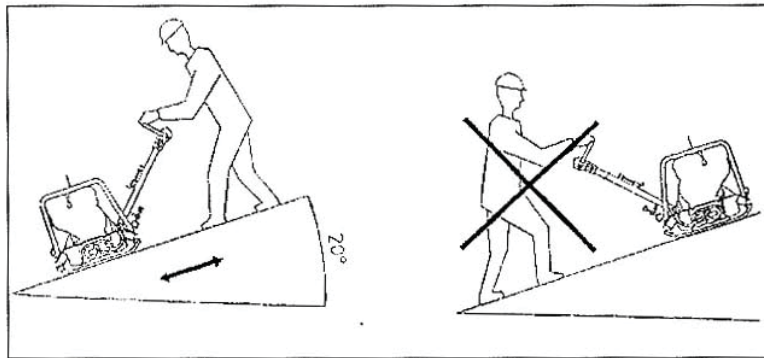


2.3 Guide plate compactor with its handle allow machine to pull itself forward

For best compaction, the shoe must hit the ground flat, not uplift or push down the machine to make it on its toe or heel. You can operator the air damper handle to the stepless timing.

2.4 If you use the plate compactor on the grade you should observe.

- 1) Use the plate compactor from down to the up.
- 2) The jockey is not allowed to stand on the downgrade.
- 3) The grade cannot over 20°



- After starting and warming up the machine , pull the air damper handle forward quickly .Don't let the throttle in 1/2 of the full position. Otherwise the plate compactor will jump disorderly and the clutch will in the state of half-startup, thereby wear the clutch sharply and mangle the engine.
- The plate compactor will tip easily if the ground is rough. Please operators carefully to avoid sprain the wrist or other parts of the body.
- Never leave the machine unattended.
- Never run the machine on firm surface such as cement.

V. Turn Off

Directly switch down the machine in emergency. In normal case, shut down it as follows:

1. Push the oil throttle finger-controlling switch to the very right.
2. Turn the engine switch to OFF
3. Push the oil valve to OFF



Do not stop the engine when it is run at a high speed or it will cause the oil deterioration or the high temperature of the engine and the seizure of the parts.

VI. Inspection & Maintenance

- ◇ Please use the original assembly parts. Adjustment of the machine, including adjustment of the highest speed of the engine set by the manufacturer should be approved, otherwise we will not assume any kind of responsibility like this.
- ◇ Apart from running the engine as required in maintenance and repair, you should shut down all the drive device before servicing and maintenance.
- ◇ After maintenance and repair, reinstall all the safety device correctly.



- Be sure to switch off the engine before examination and maintenance.
- Be sure to unbolt the spark plug cover before repair.

Be sure to have the examination and maintenance for the machine periodically.

1.Engine periodic chart

maintenance content \ period		Every time before operation	20 hours per month	Every 3 month or 50 hours	Every 6 month or 100 hours	Every year or 300 hours
Engine oil	Examine oil surface	•				
	Exchange		•		•	
Air cleaner	Examine	•				
	Clean			•		
Carburetor settling cup	Clean				•	
Spark plug	Examine and clean			•		
Silencer	Clean				•	
Valve gap	Examine and adjust					•
Gasoline box and filter	clean					•
Oil pipe	Examine and exchange					•

2. Engine oil

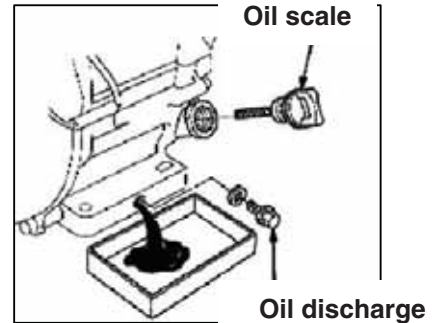
2.1 On exchanging the engine oil, it is better when the engine is warm to discharge the oil quickly and completely.

2.2 After unscrewing the oil scale, then unscrew the oil discharge plug to discharge the oil.

2.3 Screw the oil plug and screw it down

2.4 Fill up the oil and examine if the oil level is meeting the requirement.

2.5 Install and screw down the oil scale.



- There is danger of cancer in contacting the oil frequently, so wash up the hands with soap after work.
- Be sure to have a container when discharging oil. Do not spill oil on the ground and pollute the surrounding.

3. Maintenance of air cleaner

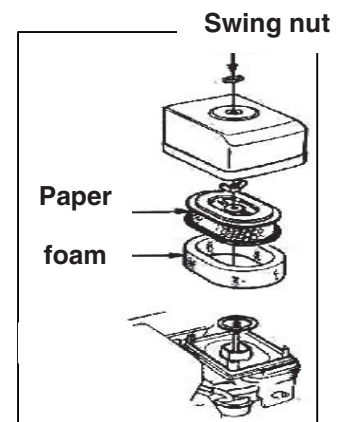
Dirt will keep air from the carburetor. Be sure to clean the air cleaner periodically, especially in dirty and dusty places.

3.1 Lay down the swing nut and the outer shell of the air cleaner, take out the filter element and put them apart. See if any of the two filter elements are broken, if so, change it.

3.2 Foam filter elements: wash with the domestic wash agent and warm water then rinse thoroughly. Or wash with inflammable wash agent or high burning point agent. Dry out the element. Immerse the element in clean engine lubricant, then squeeze out the lubricant. Too much oil on the foam will cause smoke on starting the engine.

3.3 Paper element: gently hit the element on the hard surface to remove the dust on it, or with the high-pressure current blowing from interior to exterior. Never brush dust away with brush. The brush will intrude dust into fiber. Exchange the element if it is very dirty.

3.4 Reinstall the air cleaner.

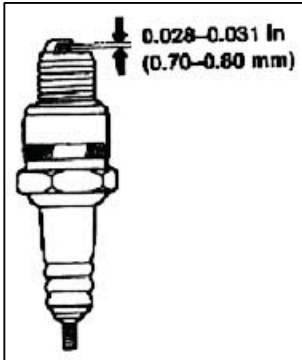


- Do not use the oil or low burning point agent to clean the air cleaner or it will cause fire or explosion.



- No operation without air cleaner. It will bring great damage to the engine.

4. Maintenance of spark plug



5.1 Lay down the spark plug cap, unscrew the spark plug with relevant sleeve spanner.

5.2 Exchange the spark plug if the electrode of the spark plug is eroded by electricity or insulation part is broken.

5.3 If the carbon is seriously accumulated, brush it out with metal brush and reinstall it.

5.4 Measure the plug gap with feeler and adjust it within normal scale: 0.7-0.8mm.

5.5 Examine if the spark plug washer is broken

5.6 Screw the plug with hand first. (Do not screw it randomly)



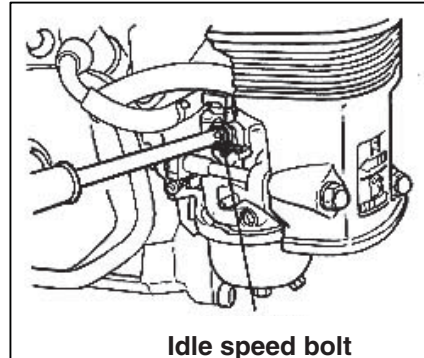
- Do not use the plug with incorrect ignition scale.
- There must be a certain gap and no foreign matter in spark plug to insure the normal operation of engine.
- Be sure to screw down the spark plug to prevent the damage to the engine.

5. Adjustment of the idle speed of carburetor

5.1 Start and warm up the engine.

5.2 Adjust the idle speed with adjustable screw to standard idle speed.

Standard idle speed: $1,500 \pm 150$ rpm



- Do not adjust the idle speed without necessary tools.

VII. Transport

1. Be sure to switch off the machine in a short transport and keep the engine in level to prevent the leaking of oil.

2. Be sure to discharge the oil in the gasoline tank and engine oil in a long transport.

3. Be sure to use the suitable tools which can bear the weight over 70kg to transport the machine, and be sure to lift the machine in the sling position.



Do not allow the non-operator(especially children) enter into the lifting area around 5m. Pls stop operating when they come close.

VIII. Storage

- 1 Be sure to discharge all the oil in the gasoline tank before storage and keep the storage place dry and clean.
2. Open the oil throttle and discharge the oil into prepared container.
3. Put a cover on the engine to prevent the dust.

IX. Malfunction List

1.Unable to, hard to start the engine or disorderliness of the engine			
Reason	No oil in gas tank	Solve	Examine the oil level and fill in the oil
	Not switch on the engine		Switch on the engine
	Not open the oil valve		Open the oil valve
	Filter is blocked		Clean the filter
	Air cleaner is dirty and blocked		Clean the air cleaner
	No oil into the carburetor		Unscrew the discharge screw and push the oil valve to ON and examine
	No smooth oil supply of carburetor		Clean the carburetor
	See if it has fire in spark plug		Pull out the spark plug cap, clear up the dust and lay down spark plug. Connect its edge to the engine, pull the starter to see if there is fire in the gap, and exchange it if no fire.
2.Engine is working, but CP63 is not move			
Reason	Engine choke valve is not open	Solve	Open the engine choke valve
	Belt is not tight or damaged		Adjust the best or change it
	The engine rotate speed is too slow		Check the engine rotate speed
	Clutch is damaged		Repair or change
	Eccentric module has malfunction		repair
3.Unable to work in full speed or no good effect of floating			
Examine	Oil valve arm is not completely pushed	Solve	Push oil valve arm to the most position
	Belt is too loose or broken		Exchange or adjust the belt
4.Compact plate flops or disequilibria during compacting			
Reason	The ground is too solid	Solve	Don't use on ground with too high hardness
	Shock absorber loose or broken		Replace the shock absorber
5.The machine cannot go onward			
reason	The engine fix screw is not tight	slove	Screw the bolt tightly, adjust the engine gravity
	Exciter bolt is not right		Screw the bolt, adjust the exciter gravity

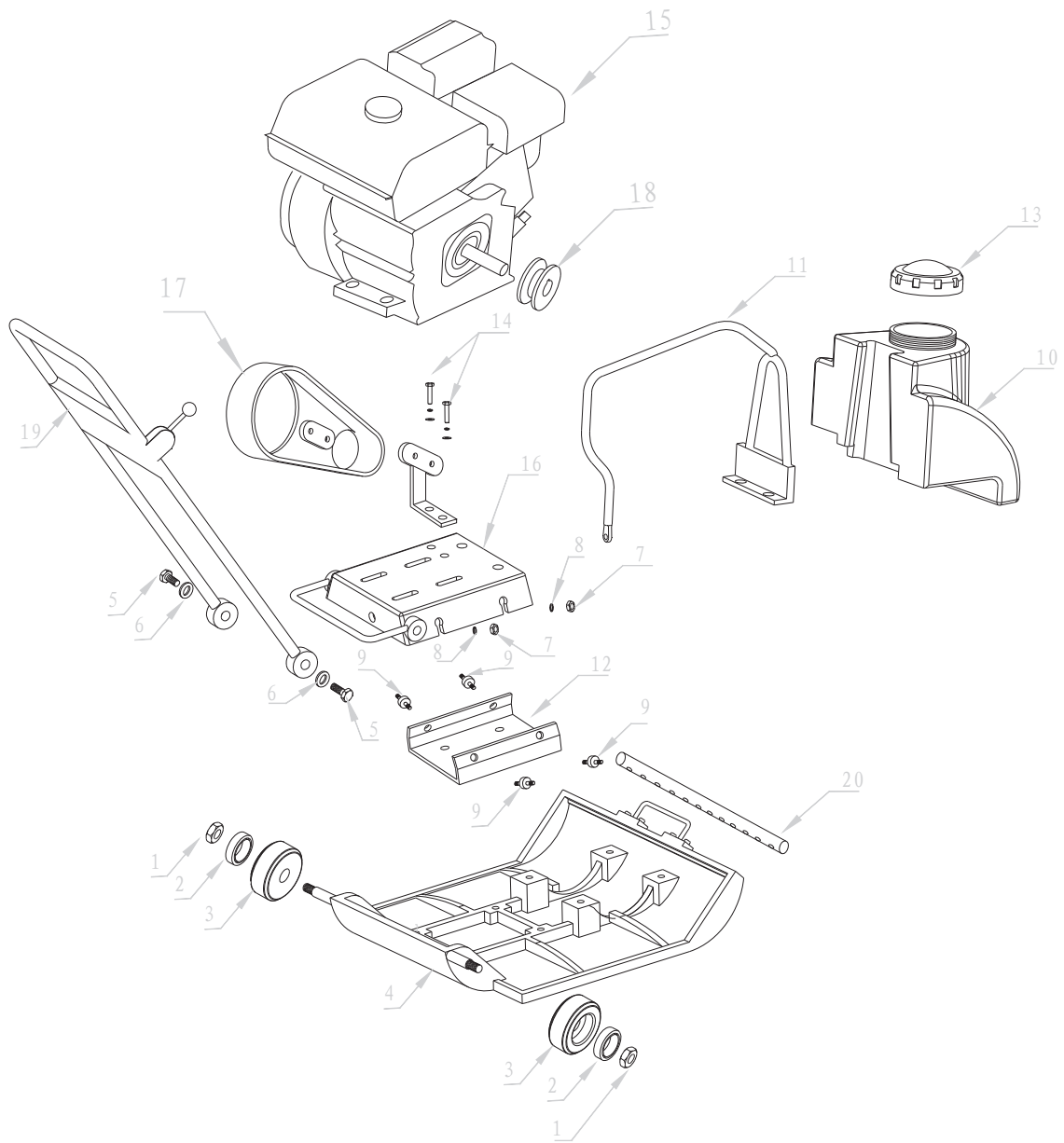
X. Technical Specifications

	PD1550W
Length*Width*Height (mm)	1000*430*860
Impact force(KN)	15
Vibration frequency	6500
Operation weight (kg)	88
Travel speed (m/min)	Up to 18
Compacted area(M2/H)	Up to 300
Compaction depth(MM)	Up to 200
Climbing capacity (%)	Up to 20 degree
Engine	168F
Engine Type	Four-Stroke, Air-Cooled, OHV Gasoline Engine
Oil tank consumption (L)	0.6
Rated output (HP)	6.5
Rated Speed (rpm)	3600
Cooling System	Air-Cooled
Fuel Tank Volume (L)	3.6
Fuel Consumption (L/H)	1.27
Fuel Grade	90# or Above
Lubrication Type	SAE10W-30
Sound	$L_{PA}=96$ dB、 $L_{WA}=105$ dB
Vibration	$a_{hw}=18.5$ m/s ²

Selection Two: Parts List

1	Main machine	15
2	centrifugal axis.....	17
3	Clutch.....	18

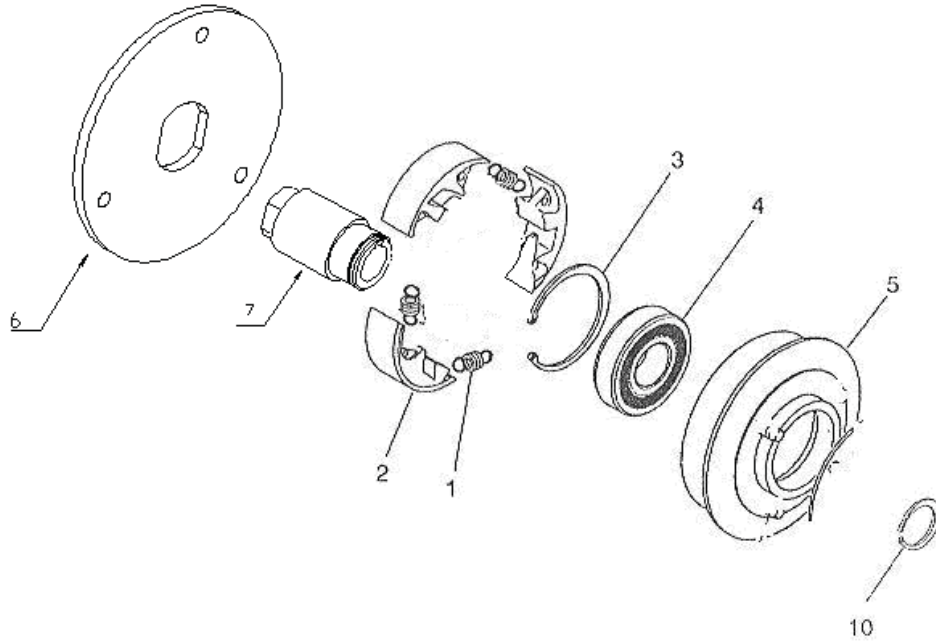
1. main machine



1.main machine spare part name

No.	Spare parts no.	name	quantity	remarks
1	21001	M10 nut	2	
2	21002	Wheel bearing	2	
3	21003	wheel	2	
4	21004	Base plate	1	
5	21005	Armrest bolt	2	
6	21006	Armrest nylon cover	2	
7	21007	locknut	4	
8	21008	mat	4	
9	21009	absorber	4	
10	21010	Water tank	1	
11	21011	Protection rod	1	
12	21012	Absorber fixing plate	1	
13	21013	Water tank cover	1	
14	21014	Belt cover fixing bearing	1	
15	21015	engine	1	
16	21016	Engine fixing plate	1	
17	21017	Belt cover	1	
18	21018	Belt wheel	1	
19	21019	armrest	1	
20	21020	Sprinkling tube	1	

3.Clutch



No.	Spare parts no.	name	quantity	remarks
1	45001	Clutch spring	3	
2	45002	Clutch piece	3	
3	45003	block spring	1	
4	45004	bearing	1	
5	45005	Belt wheel	1	
6	45006	Clutch cover board	1	
7	45007	Clutch base	1	
10	45010	Block spring	1	
	450012	Clutch complete	1	