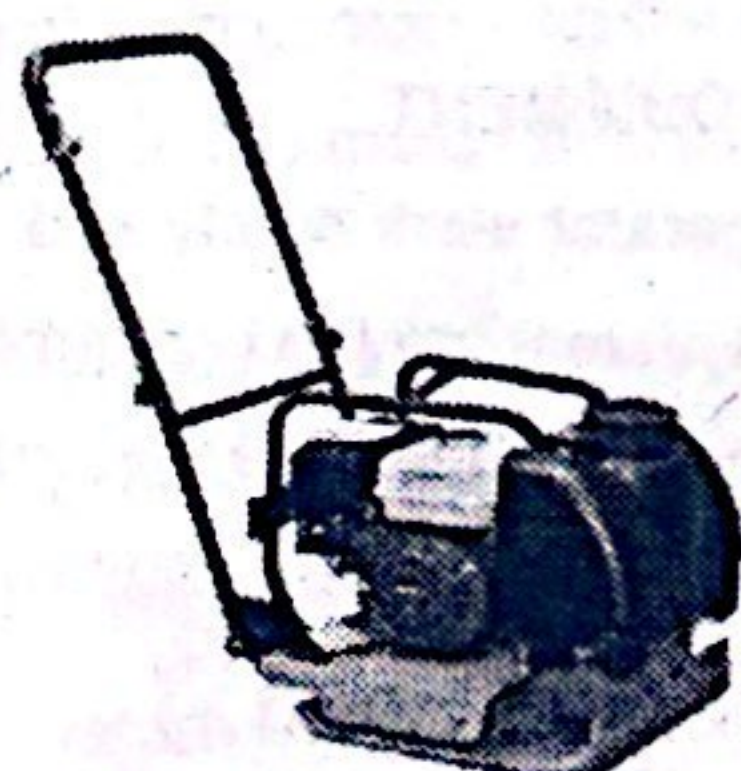
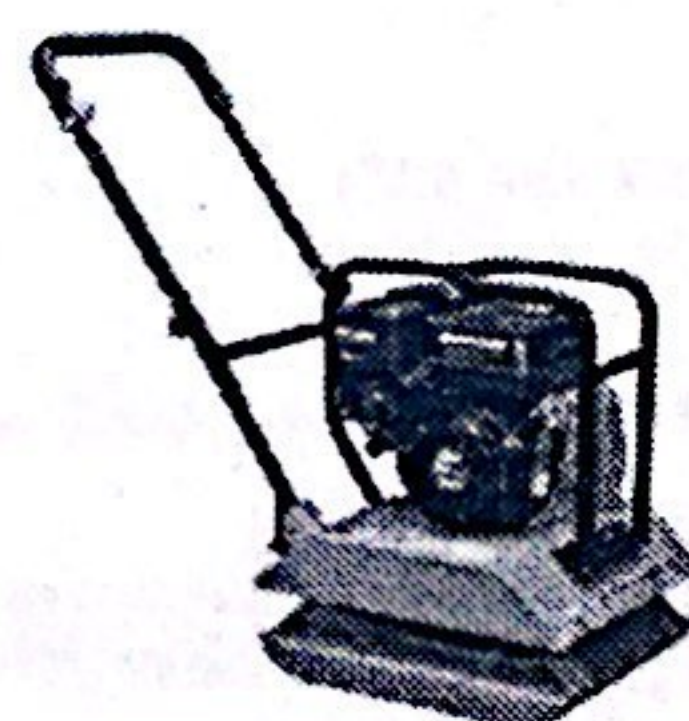


OPERATOR'S MANUAL

PLATE COMPACTOR

(HGC60/HGC80/HGC90/HGC100)



WARNING I

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 our equipment. All possible situations can not be covered in these instructions. Care must be exercised by everyone using, maintaining or working near this equipment.

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INTRODUCTION

Thank you for your selection of our equipment.

We have taken care in the design, manufacture and testing of this product. It is covered by a six month warranty. Should service or spare parts be required, prompt and efficient service is available from our company or our agent.

GENERAL SAFETY INSTRUCTION FOR THE OPERATION OF POWER EQUIPMENT

The goal of our company is to produce power equipment that helps the operator work safely and efficiently. The most important safety device for this or any tool is the operator. Care and good judgement 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 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.

APPLICATIONS

Trench compaction	Earth works
Road maintenance	Landscaping
Brickpaving	Driveway toppings

FUNCTIONS AND CONTROLS

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

Tension of the drive belt is adjustable. Loosen the four nuts on the bolts which secure the motor to the baseplate. Adjust the set screws which bear against the motor crankcase to achieve the required belt tension. Ensure that the four nuts and the set screw locknuts are tightened after adjustment.

ACCESSORIES

Transportation Trolley-facilitates handling, Hooks into the baseplate. Fitted with 200mm rubber tyres.

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.

Plates compactors are heavy units and should be positioned by two people of appropriate strength.

Using the lifting handles provided on the machine, along with correct lifting techniques.

MECHANICAL HAZARDS!

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

KEEP handles 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.

ENSURE both the machine and the operator are stable by setting up on level terrain and the machine will not tip over, slide off or fall while in operation or unattended.

DO NOT leave the machine in operation while it is unattended.

ENSURE that the walls of a trench are stable and will not collapse due to the action of the vibration, prior to commencing compaction.

ENSURE that the area to be compacted does not contain any "live" electrical cables, gas, water or communication services which may be damaged by the action of vibration.

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.

DO NOT increase the governed no-load motor speed above 3,500 r/min. Any increase may result in personal injury and damage to the machine.

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

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

FIRE & EXPLOSION HAZARDS!

PETROL is extremely flammable and explosive under certain conditions;

ENSURE that the 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. Spilled petrol or petrol 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 refueling.

CHEMICAL HAZARDS!

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

CARBON MONOXIDE exhaust gases from internal combustion motor driven units 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 regulation.

PROTECTIVE CLOTHING

ALWAYS wear approved hearing protection when working in a confined work space. Protective goggles and a dust mask should be worn when working in a dusty environment. Protective clothing and footwear may also be desirable when working with hot mix bitumen.

ADDITIONAL HAZARDS!

Slip/Trip/Fall is a major cause of serious injury or death. Be aware of uneven or slippery work surfaces.

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

OPERATION

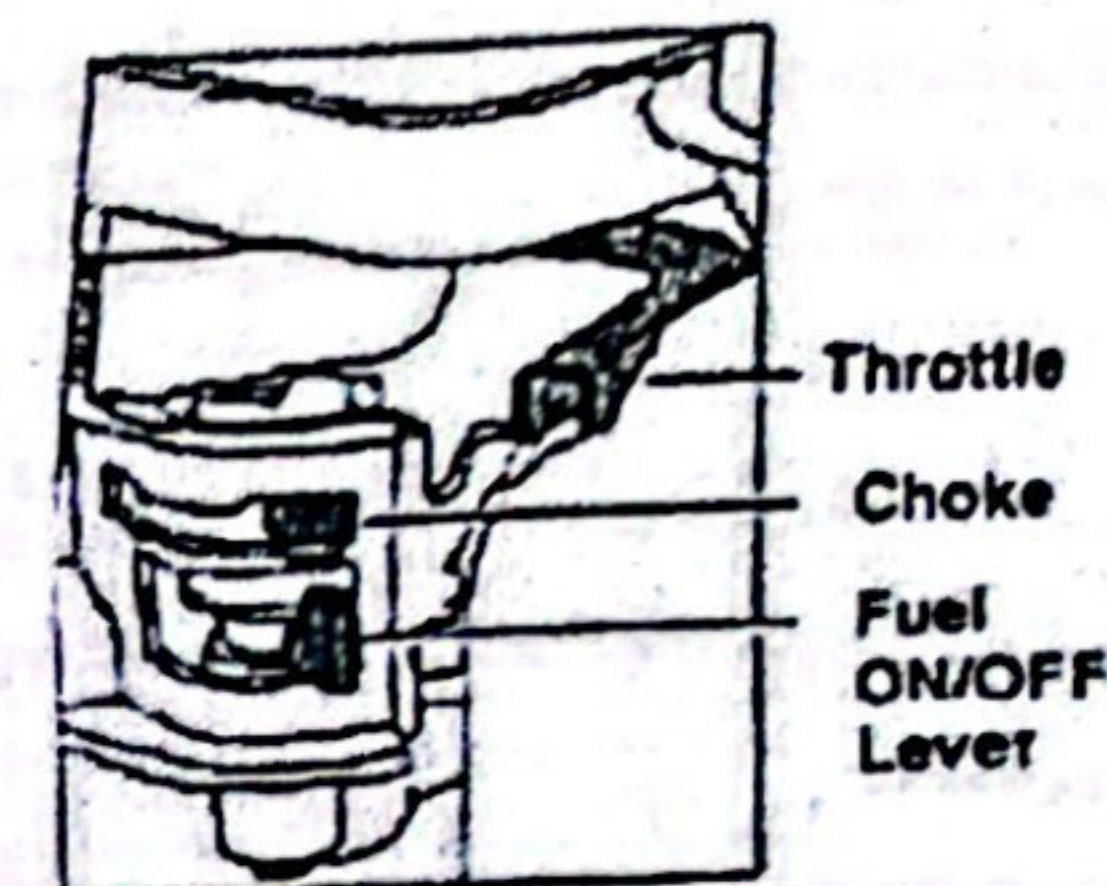
Pre start-up inspection

The following Pre-start-up inspection must be performed before the start of each work session or after every four hours of use. Which ever is first. If any fault is discovered, the compactor must not be used until the fault is rectified.

1. Thoroughly inspect the compactor for signs of damage. Check components are present and secure. Pay special attention to the belt drive safety guard fitted between the engine and the vibrator unit.
2. Check the engine oil level and top up as necessary
3. Check the engine fuel level and top up as necessary
4. Check for fuel and oil leaks

Start and stop Procedure for Petrol Engine

1. Open the fuel tap by moving the fuel ON/OFF lever fully to the right.
2. If starting the engine from cold, set the choke ON by moving the choke lever fully to the left. If restarting a warm engine, the choke is usually not required. However, if the engine has cooled to a degree, partial choke may be required.
3. Turn the engine ON/OFF switch clockwise to the "1" position.
4. Set the throttle to the idle position by moving the throttle lever fully to the right. Do not start the engine on full throttle, As the compactor will vibrate as soon as the engine starts.
5. Taking a firm hold of the control handle with one hand, grasp the recoil starter handle with the other., pull the recoil starter until engine resistance is felt. Then let starter return.
6. Taking care not to pull starter's rope fully out. pull the starter handle briskly.
7. Repeat until the engine fires.
8. Once the engine fires gradually, set the choke lever to the OFF position by moving it to the right.
9. If the engine fails to fire after several attempts, follow the trouble-shooting guide on page 5.
10. To stop the engine, set the throttle to idle and turn the engine ON/OFF switch anticlockwise to the "0" position.
11. Turn the fuel off



The machine is best suited to the compaction of bituminous and granular materials e.g. granular soils such as silt and clay are best compacted using the impact force produced by a vibrating rammer.

Where possible the site should be graded and leveled before commencing compaction.

For more information of starting and correct operating procedures of the motor, refer to the motor operation manual supplied with the unit.

Increase the motor speed to the maximum setting using the hand throttle lever, before commencing compacting. The machine should be controlled by grasping the handle with supplied with the unit.

Increase the motor speed to the maximum setting using the hand throttle lever, before commencing compacting.

The machine should be controlled by grasping the handle with both hands and applying restraint to control the forward motion.

Steer the machine by moving the handle sideways to the right or left;

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

Inspect the water hose and its connections to ensure that they do not leak.

CARE AND PREVENTIVE MAINTENANCE

Check the oil level in the motor crankcase daily.

Check the vibrator oil level weekly.

Inspect the rubber anti vibration mounts for wear or deterioration.

Inspect the water hose and its connections to ensure that they do not leak.

Clean the underside of the plate regularly to prevent a build up of material.

Use unleaded grade petrol and ensure that the fuel is free from contamination.

The vibratory motion provides a self propelling action.

Position the handle at the opposite end of the machine to the vibrator.

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.)

Correct moisture content in soil is vital to proper compaction.

Water acts as a lubricant to help slide soil particles together.

Too little moisture means inadequate compaction; too much moisture leaves water-filled voids that weaken the soil's load bearing ability.

Compaction of dry materials will be facilitated by moistening with a water hose fitted with a sprinkler.

Excessive watering or water content will cause the machine to stall.

The optional water tank kit is recommended when the machine is used on bituminous surfaces as the water fulm prevents

A build up of material on the underside of the plate.

CAUTION



Inspection and other services should always be carried out on hard and level ground with the engine shut down.

Inspection and maintenance Service Tables

To make sure your plate compactor is always in good working condition before using, carry out the maintenance inspection in accordance with Tables 1 through 3.

TABLE 1.MACHINE INSPECTION

ITEM	Hours of Operation
(Starting Check)	Every 8 hours (every day)
Loosened of lost screws	Every 8 hours (every day)
Damage of any part	Every 8 hours (every day)
Function of controlling system part	Every 8 hours (every day)
Vibrator oil check	Every 100 hours
Vibrator oil replacement	Every 100 hours
V-belt (Clutch) Check	Every 100 hours

TABLE 2.ENGINE CHECK

(For details, see separate engine manual)	
ITEM	Hours of Operation
Leakage of oil fuel	Every 8 hours (every day)
Tightness of fastening Threads	Every 8 hours (every day)
Engine oil check and replenishment	Every 8 hours (every day) (Replenish to specified Max. Level)
Engine oil replenishment	At first 20 hours, then every 100 hours
Air cleaner cleaning	Every 50 hours

CAUTION



These inspection intervals are for operation under normal conditions. Adjust your inspection intervals based on the number hours plate compactor is in use, and particular working conditions.

CAUTION



Fuel piping and connections should be replaced every 2 years.

Daily Service

Check for leakage of fuel or oil.

Remove soil and clean the bottom of compaction plate.

Check for loose screws including tightness. See Table 3 below (Tightening torque), for retightening.

TABLE 3

TIGHTENING TORQUE (In.kg/cm) Diameter

Material	6mm	8mm	10mm	12mm	14mm	16mm
4T	70	150	300	500	750	1100
6-8T	100	250	500	800	1300	2000
11T	150	400	800	1200	2000	2900

Changing Vibrator Oil

When changing the vibrator oil, remove the drain plug located at the bottom-right of the vibrator, and simply tip the compactor to drain the oil. Note that the oil will drain more easily while it is hot. Replace the oil with 200ML of 10W-30 motor oil.

Air Filter

1. The air filter element should be cleaned because a clogged air cleaner can cause poor engine starting,lack of power and shorten engine life substantially.
2. To clean or replace air filter loosen the wing nut on the air filter housing (Figure 1), remove the cover and take out air filter cartridge. If only cheaning of the air filter is desired blow through the air filter cartridge from the inside,moving a jet of dry compressed air up and down until all dust is removed.

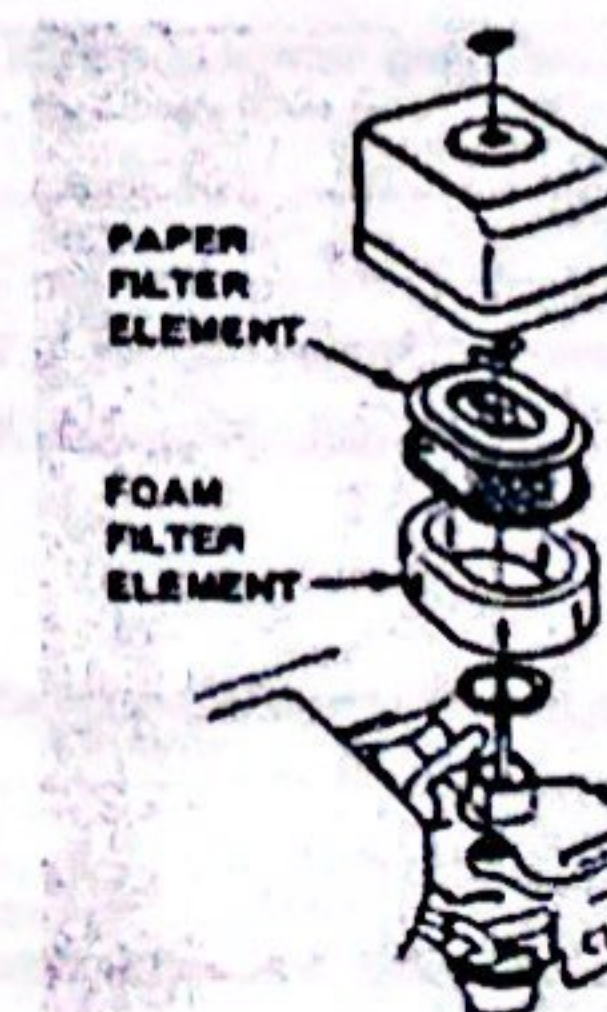


Figure 1 Air Filter

CAUTION:

NEVER attempt to check the V-belt with the engine running. Severe injury can occur if your hand gets caught between the V-belt and the clutch. Always use safety gloves.

Checking and Replacing the V-belt and Clutch

After 200 hours of operation, remove the upper belt cover to check the V-belt tension (Figure 2). Tension is proper if the belt bends about 10mm when depressed strongly with finger between shafts. Loose or worn V-belts reduce power transmission efficiency, cause weak compaction and reduces the life of the belt itself.

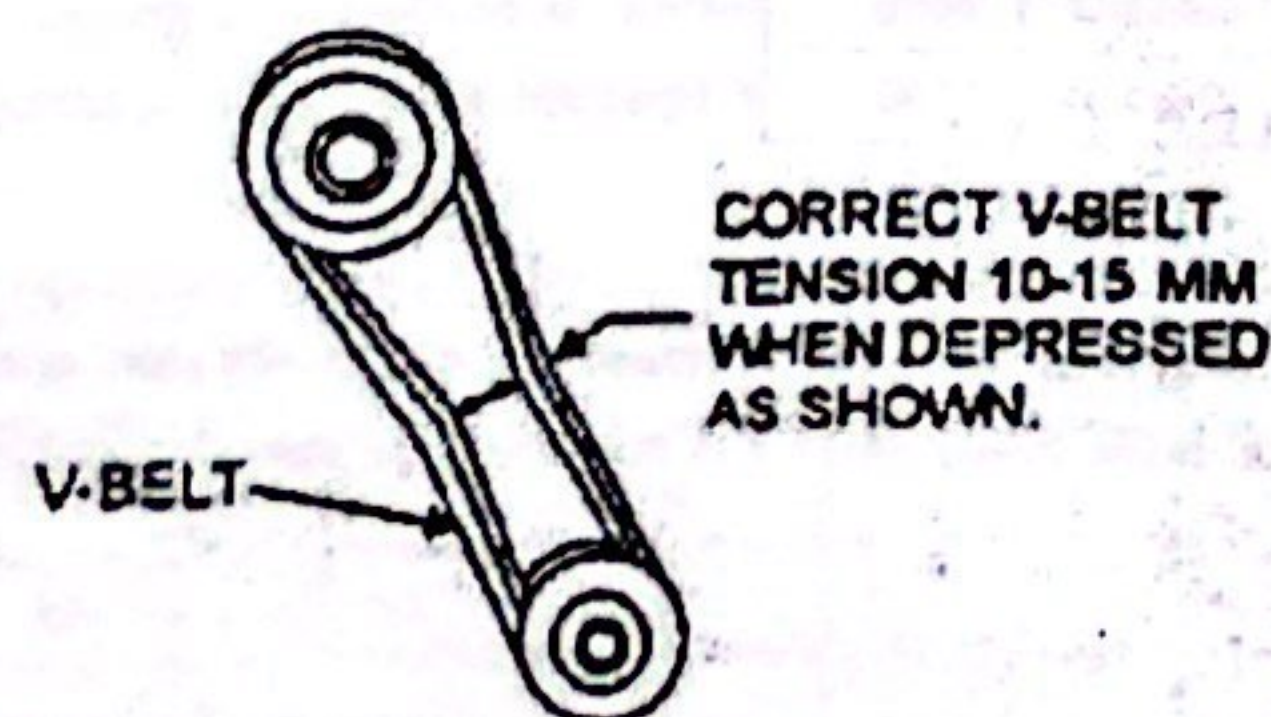


Figure 2. V-Belt Tension

CAUTION:

Whenever the compactor's vibration becomes weak or lost during normal operation regardless of operation hours, check the V-belt and clutch immediately.

Replacing the V-belt

Remove the upper and lower belt covers. Engage an offset wrench (13mm) or the like to vibrator pulley (Lower) fastening bolt. Engage waste cloth or the like at midway of V-belt on the left side and while pulling it back strongly, rotate the offset wrench clockwise so that the V-belt will come off.

Reinstalling the V-belt

Engage V-belt to the lower vibrator pulley and push the V-belt to the left side of upper clutch and, in the same manner as in removal, rotate offset wrench clockwise so that the V-belt goes back on.

Checking Clutch

Check the clutch simultaneously with V-belt checking. With belt removed, check outer drum of the clutch for seizure and "V" groove for wear or damage with your eyes. Clean the "V" groove as necessary. Wear of lining or shoe should be checked with running check. If the shoe is worn, power transmission becomes deficient and slipping will result.

SPECIFICATIONS**HGC60 PLATE COMPACTOR**

Model	HGC60H	HGC60R	HGC60L
Engine	Air-cooled, single cylinder, 4-stroke, gasoline		
Engine Type	Petrol, Honda GX160	Petrol, Robin EY20	Petrol, Chinese engine
Power (hp)	5.5(4.0kw)	5.0(3.7kw)	5.5(4.0kw)
Weight (kg)	62(136 lbs)		
Centrifugal force (KN)	10.5		
Frequency (vpm)	5600(93Hz)		
Compaction depth (cm)	20(8in)		
Travel speed (cm/s)	34(13in/s)		
Efficiency (m ² /hr)	423(4557ft ² /hr)		
Plate Size (cm)	50×35(20×14in)		
Working Dimension (cm)	108×35×85(43×14×33in)		
Optional	with water tank, additional weight 6 kgs		

HGC80 PLATE COMPACTOR

Model	HGC80H	HGC80R	HGC80L	HGC80D
Engine	Air-cooled, single cylinder, 4-stroke			
Engine Type	Petrol, Honda GX160	Petrol, Robin EY20	Petrol, Chinese engine	Diesel, 170F
Power (hp)	5.5(4.0kw)	5.0(3.7kw)	5.5(4.0kw)	3.8(2.8kw)
Weight (kg)	90(198 lbs)			97(214 lbs)
Centrifugal force (KN)	15			
Frequency (vpm)	5400(90Hz)			
Compaction depth (cm)	22(9in)			
Plate Size (cm)	52×42(20×17in)			
Working Dimension (cm)	110×42×85(43×17×33in)			
Optional	with water tank, additional weight 6 kgs			

HGC90 PLATE COMPACTOR

Model	HGC90H	HGC90R	HGC90L	HGC90D
Engine	Air-cooled, single cylinder, 4-stroke			
Engine Type	Petrol, Honda GX160	Petrol, Robin EY20	Petrol, Chinese engine	Diesel, 170F
Power (hp)	5.5(4.0kw)	5.0(3.7kw)	5.5(4.0kw)	3.8(2.8kw)
Weight (kg)	84(185 lbs)	84(185 lbs)	84(185 lbs)	94(208 lbs)
Centrifugal force (KN)	13			
Frequency (vpm)	5500(92Hz)			
Compaction depth (cm)	30(12in)			
Travel speed (cm/s)	23(9in/s)			
Efficiency (m ² /hr)	405(4358 ft ² /hr)			
Plate Size (cm)	53×50(21×20in)			
Dimension (cm)	110×50×85(43×20×33in)			
Optional	with water tank, additional weight 6 kgs			

HGC100 PLATE COMPACTOR

Model	HGC100H	HGC100R	HGC100L	HGC100D
Engine	Air-cooled, single cylinder, 4-stroke			
Engine Type	Petrol, Honda GX160	Petrol, Robin EY20	Petrol, Chinese engine	Diesel, 170F
Power (hp)	5.5(4.0kw)	5.0(3.7kw)	5.5(4.0kw)	3.8(2.8kw)
Weight (kg)	93(205 lbs)	93(205 lbs)	94(207 lbs)	104(230 lbs)
Centrifugal force (KN)	19.8			
Frequency (vpm)	7000 (117Hz)			
Compaction depth (cm)	30(12in)			
Travel speed (cm/s)	18(7in/s)			
Efficiency (m ² /hr)	277(2983 ft ² /hr)			
Plate Size (cm)	61×44(24×17in)			
Working Dimension (cm)	110×44×85(43×17×33in)			
Optional	with water tank, additional weight 6 kgs			

Drive Belt: 1 × "B" section vee belt

Acoustic Noise (According to 2000/14/EC)

Model No.	HGC50/HGC60/HGC80/HGC90/HGC100/HGC125/HGC160
Measured Sound Power Level	101.5dB
Guaranteed sound power level	104.50dB
Uncertainty	3dB

Hand-Arm-Vibration (as per ISO8662, part 1, m/s²):4-9

TRANSPORTATION

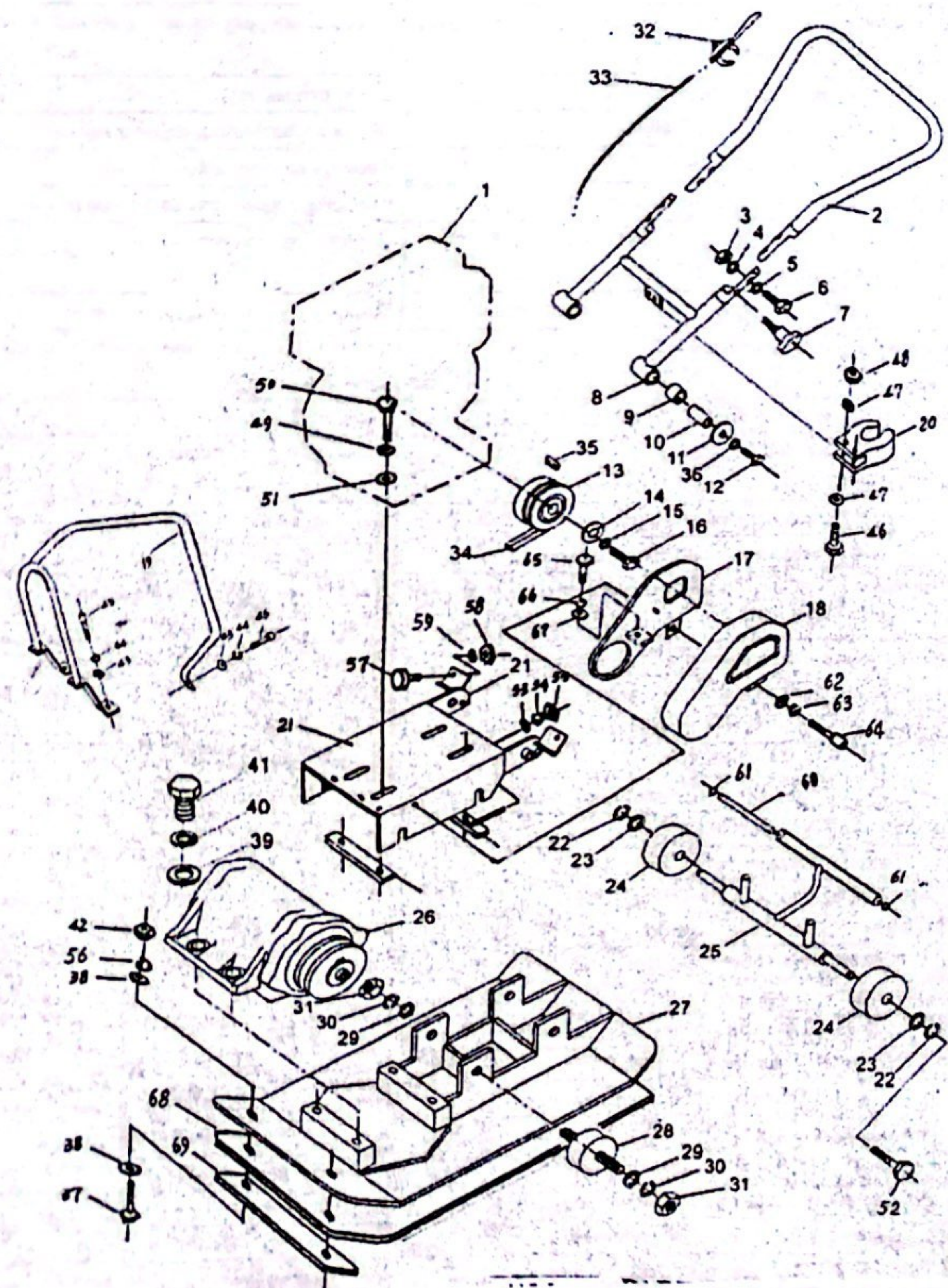
- Always shut off engine when transporting machine.
- Make sure lifting device has enough capacity to hold machine (see identification plate on machine for weight).
- Use central lifting point (a) (c) (as optional) when lifting machine.
- Trolley wheel (b) as optional is used for short distance transportation.

TROUBLE SHOOTING

SYMPTOM	POSSIBLE CAUSES	SOLUTION
Travel Speed too low, and vibration is weak	Engine speed too low?	Set engine speed to correct RPM.
	Clutch slips?	Check or replace clutch
	V- belt slips?	Adjust or replace V-belt
	Excessive oil in vibration?	Drain excess oil and fill to proper level
	Malfunction in vibrator housing?	Check eccentric, gears and counter weights
	Bearing Failure?	Replace Bearing
	Insufficient engine output?	Check engine, compression, etc.

ENGINE TROUBLE SHOOTING

SYMPTOM	POSSIBLE CAUSES	SOLUTION
Difficult to start, "Fuel is available, but no SPARK at spark plug".	Spark plugs bridging?	Check gap, insulation or replace spark plug.
	Carbon deposit on spark plug?	Clean or replace 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, but no SPARK at spark plug".	ON/OFF switch is shorted?	Check switch wiring, replace switch
	Ignition coil defective?	Replace ignition coil
	Improper spark gap, point's dirty?	Set correct spark gap and clean points
	Condenser insulation worn or short circuiting?	Replace condenser
Difficult to start, "Fuel is available, spark is present and compression is normal".	Spark plug wire broken or short circuiting?	Replace defective spark plug wiring
	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
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 and or piston
	Cylinder head and/or spark plug not tightened properly?	Torque cylinder head bolts and spark plug
No fuel present at carburetor	Fuel not available in fuel tank?	Fill with correct type of fuel
	Fuel cock does not open properly?	Apply lubricant to loosen fuel cock level, replace if necessary
	Fuel filter clogged?	Replace fuel filter
	Fuel tank cap breather hole clogged?	Clean or replace fuel tank cap
"Weak in power" compression is proper and does not mistires	Air in fuel line?	Bleed fuel line
	Air cleaner not clean?	Clean or replace cleaner
	Improper level in carburetor?	Check float adjustment, re-build carburetor
	Defective spark plug?	Clean or replace spark plug
"Weak in power" compression is proper but mistires	Water in fuel system?	Flush fuel system, and replace with correct type of fuel
	Dirty spark plug?	Clean or replace spark plug
	Ignition coil defective?	Replace ignition coil
Engine overheats	Spark plug heat value improper?	Replace with correct type of spark plug
	Correct type of fuel?	Replace with correct of fuel
	Cooling fins dirty?	Clean cooling fins
Rotational speed fluctuates.	Governor adjusted correctly?	Adjust governor
	Governor spring defective?	Replace governor spring
	Fuel flow restricted?	Check entire fuel system for leaks or clogs
Recoil starter malfunction	Recoil mechanism clogged with dust and dirt?	Clean recoil assembly with soap and water
	Spiral spring loose?	Replace spiral spring

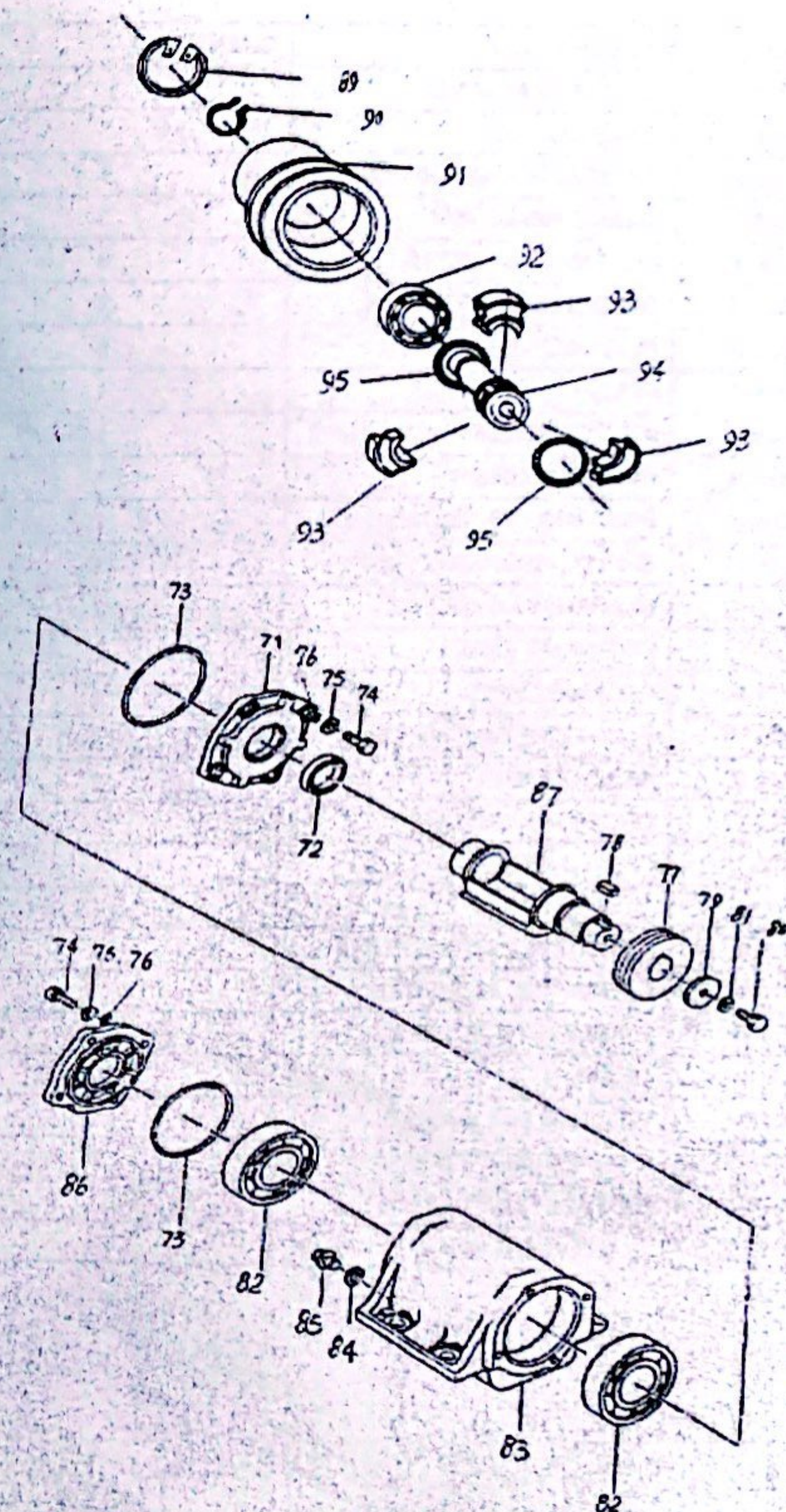


HGC60 PARTS LIST 1

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	600001	CHINESE PETROL ENGINE	1
2	600002	HANDLE-UPPER	1
3	600003	NUT M10-GB6184	2
4	600004	FLAT WASHER 10-GB97.1	2
5	600005	SPRING WASHER 10-GB93	2
6	600006	BOLT M10×35-GB5782	2
7	600007	KNOB	2
8	600008	HANDLE-DOWN	1
9	600009	RUBBER COLLAR	2
10	600010	STEEL COLLAR	2
11	600011	FLAT WASHER 12-GB97.1	2
12	600012	BOLT M12×55 GB5782	2
13	600013	ENGINE PULLEY ASSEMBLY	1
14	600014	FLAT WASHER 8-GB97.1	1
15	600015	SPRING WASHER 8-GB93	1
16	600016	BOLT M8×25-GB5782	1
17	600017	INSIDE BELT COVER	1
18	600018	BELT COVER	1
19	600019	GUARD HOOK	1
20	600020	RUBBER CLIP	1
21	600021	ENGINE MOUNTING PLATE	1
22	600022	SPRING WASHER 8-GB93	2
23	600023	FLAT WASHER 8-GB97.1	2
24	600024	WHEEL	2
25	600025	WHEEL STAND	1
26	600026	VIBRATOR ASSEMBLY	1
27	600027	BASE PLATE	1
28	600028	VIRATION ABSORBER	4
29	600029	FLAT WASHER 8-GB97.1	4
30	600030	SPRING WASHER 8-GB93	4
31	600031	NUT M10-GB6184	4
32	600032	THROTTLE CONTROL LEVER	1
33	600033	THROTTLE CONTROL WIRE	1
34	600034	V-BELT	1
35	600035	KEY	1
36	600036	SPRING WASHER 12-GB93	2
37	600037	BOLT M10×40-GB5780	2
38	600038	FLAT WASHER 10-GB97.1	4
39	600039	FLAT WASHER 16-GB95	4
40	600040	SPRING WASHER 16-GB93	4
41	600041	BOLT M16×40-GB5781	4

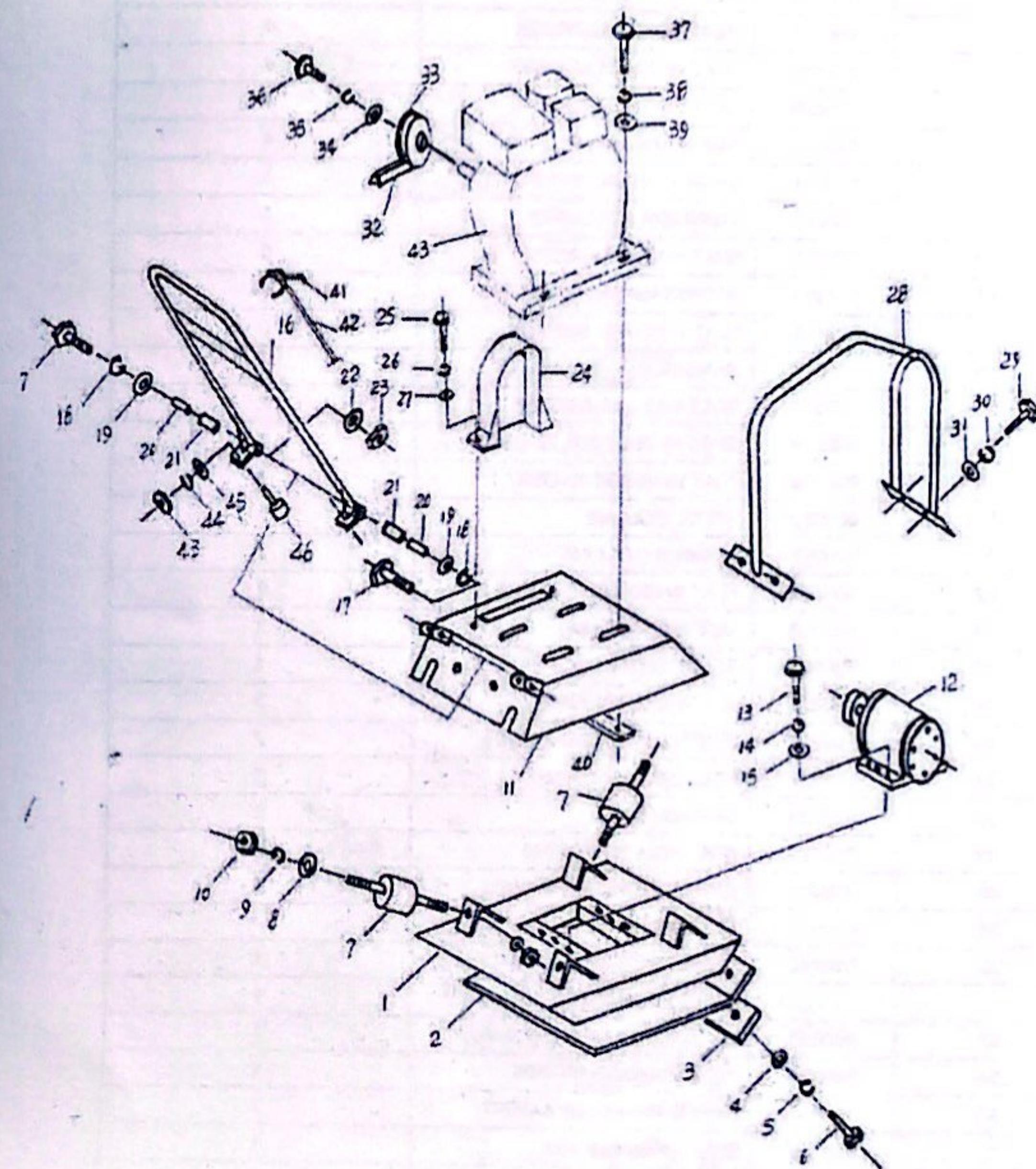
42	600042	NUT M10-GB6184	2
43	600043	FLAT WASHER 8-GB97.1	2
44	600044	SPRING WASHER 8-GB93	2
45	600045	BOLT M8×30-GB5781	2
46	600046	BOLT M6×30-GB5781	2
47	600047	FLAT WASHER 6-GB97.1	4
48	600048	NUT M6-GB6184	2
49	600049	SPRING WASHER 8-GB93	4
50	600050	BOLT M8×45-GB5782	4
51	600051	FLAT WASHER 6-GB97.1	4
52	600052	BOLT M8×25-GB5782	2
53	600053	FLAT WASHER 8-GB97.1	1
54	600054	SPRING WASHER 8-GB93	1
55	600055	NUT M8-GB6184	1
56	600056	SPRING WASHER 8-GB93	2
57	600057	VIBRATION DAMPER	2
58	600058	NUT M10-GB6184	2
59	600059	FLAT WASHER 8-GB97.1	2
60	600060	SPINDLE	1
61	600061	CIRCLIP EXT12-GB97.1	2
62	600062	FLAT WASHER 8-GB97.1	1
63	600063	SPRING WASHER 8-GB93	1
64	600064	BOLT M8×40-GB5782	1
65	600065	BOLT M8×20-GB5782	1
66	600066	SPRING WASHER 8-GB93	1
67	600067	FLAT WASHER 8-GB97.1	1
68	600068	RUBBER PLATE	1
69	600069	FIXING PLATE	1

HGC60 PLATE COMPACTOR DIAGRAM & PART LIST



HGC60 PARTS LIST 2

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
26	600026	VIBRATOR ASSEMBLY	1
71	600026-1	CASE COCER(L)	1
72	600026-2	OIL SEAL 35×48×10-GB9877	1
73	600026-3	O-RING 100-GB3452.1	1
74	600026-4	BOLT M8×25-GB5783	8
75	600026-5	SPRING WASHER 8-GB93	8
76	600026-6	FLAT WASHER 8-GB95	8
77	600026-7	PULLEY	1
78	600026-8	KEY C8-GB1096	1
79	600026-9	PULLEY WASHER	1
80	600026-10	BOLT M10×25-GB5783	1
81	600026-11	SPRING WASHER 10-GB93	1
82	600026-12	BEARING 6211-GB-276	2
83	600026-13	VIBRATING CASE	2
84	600026-14	PACKING CASE	1
85	600026-15	PLUG SCREW M14×1.5	1
86	600026-16	CASE COVER	1
87	600026-17	ECCENTRIC ROTATOR	1
88	600026-18		
13	600013	ENGINE MOUNTING PLATE	1
89	600013-1	CIRCLIP INT 62-GB893.1	1
90	600013-2	CIRCLIP EXT 30-GB894.1	1
91	6000213-3	DRUM	1
92	600013-4	BEARING 60206-GB276	1
93	600013-5	CENTRIFUGAL LUMP	3
94	600013-6	CLUTCH CENTRE	1
95	600013-7	CLUTCH SPRING	2

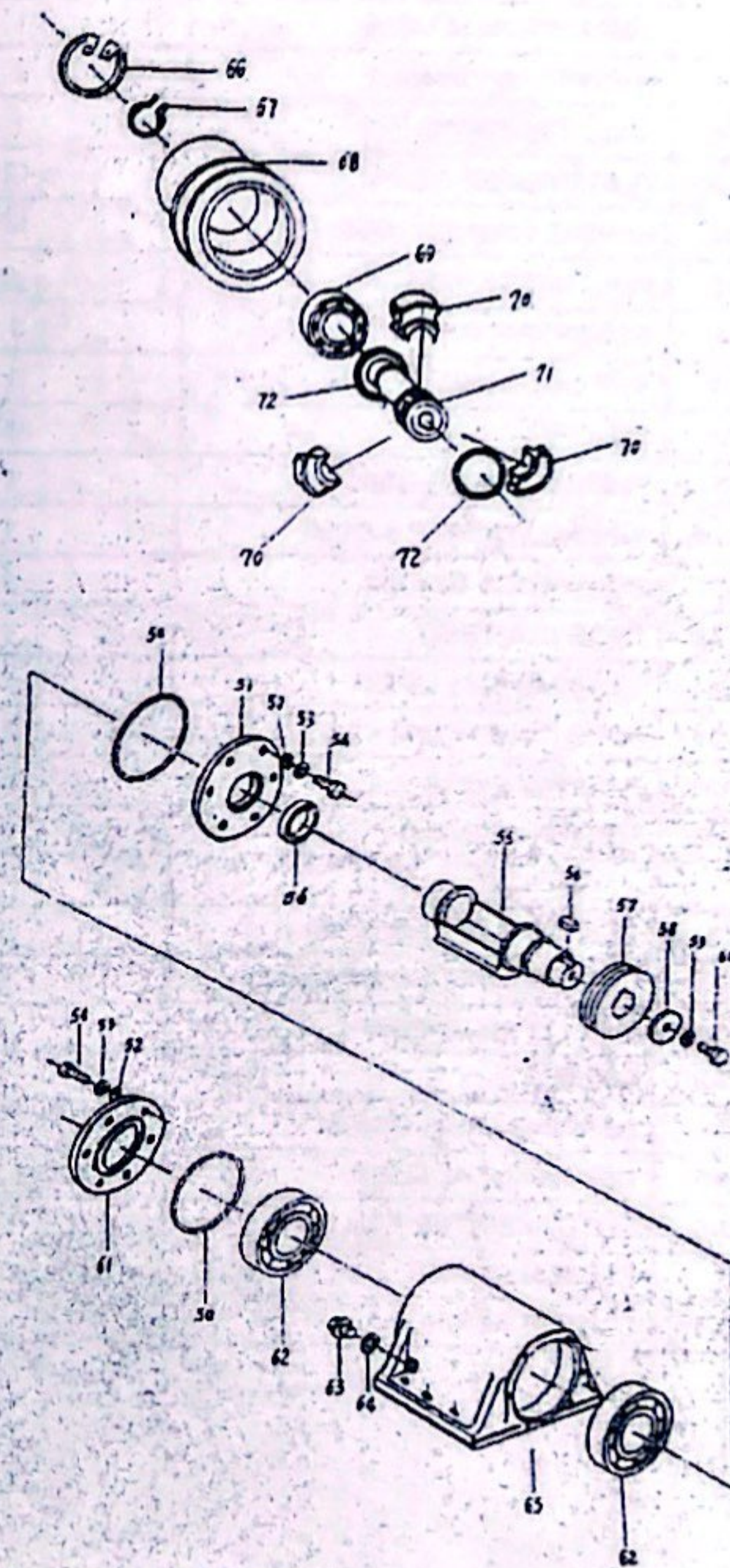


HGC80 PARTS LIST 1

HGC80 PARTS LIST 1

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	800001	BASE PLATE	1
2	800002	RUBBER PLATE	1

3	800003	FIXING PLATE	1
4	800004	FLAT WASHER 10-GB95	2
5	800005	SPRING WASHER 10-GB93	2
6	800006	BOLT M10X40-GB5780	2
7	800007	VIBRATING ABSORBER	4
8	800008	FLAT WASHER 10-GB95	4
9	800009	LAFT WASHER 10-GB93	4
10	800010	NUT M10-GB6184	4
11	800011	ENGINE MOUNTING PLATE	1
12	800012	VIBRATOR ASSEMBLY	1
13	800013	BOLT M12×45-GB5781	6
14	800014	SPRING WASHER 12-GB93	6
15	800015	FLAT WASHER 12-GB95	6
16	800016	HANDLE	1
17	800017	BOLT M12×55-GB5782	2
18	800018	SPRING WASHER 12-GB93	2
19	800019	FLAT WASHER 10-GB97.1	2
20	800020	STEEL COLLAR	2
21	800021	RUBBER COLLAR	2
22	800022	FLAT WASHER 12-GB6184	2
23	800023	NUT M12-GB6184	2
24	800024	BELT COVER	1
25	800025	BOLT M8×25-GB5782	2
26	800026	SPRING WASHER 8-GB93	2
27	800027	FLAT WASHER 8-GB97.1	2
28	800028	GUARD HOOK	1
29	800029	BOLT M8×30-GB5782	4
30	800030	SPRING WASHER 8-GB93	4
31	800031	FLAT WASHER 8-GB95	4
32	800032	V-BELT FOR DIESEL ENGINE	1
		V-BELT FOR PETROL ENGINE	1
33	800033	ENGINE PULLEY ASSEMBLY	1
34	800034	FLAT WAHSER 8-GB95	1
35	800035	SPRING WAHSER 8-GB93	1
36	800036	BOLT M825-GB5782	1
37	800037	BOLT M825-GB5782	4
38	800038	SPRING WAHSER 8-GB93	4
39	800039	FLAT WAHSER 8-GB95	4
40	800040	NUT PLATE 2-M8	2
41	800041	THROTTLE CONTROL LEVER	1
42	800042	THROTTLE CONTROL WIRE	1
43	800043	NUT M10-GB6184	2
44	800044	SPRING WAHSER 10-GB93	2
45	800045	FLAT WAHSER 10-GB97.1	2
46	800046	VIBRATION DAMPER	2

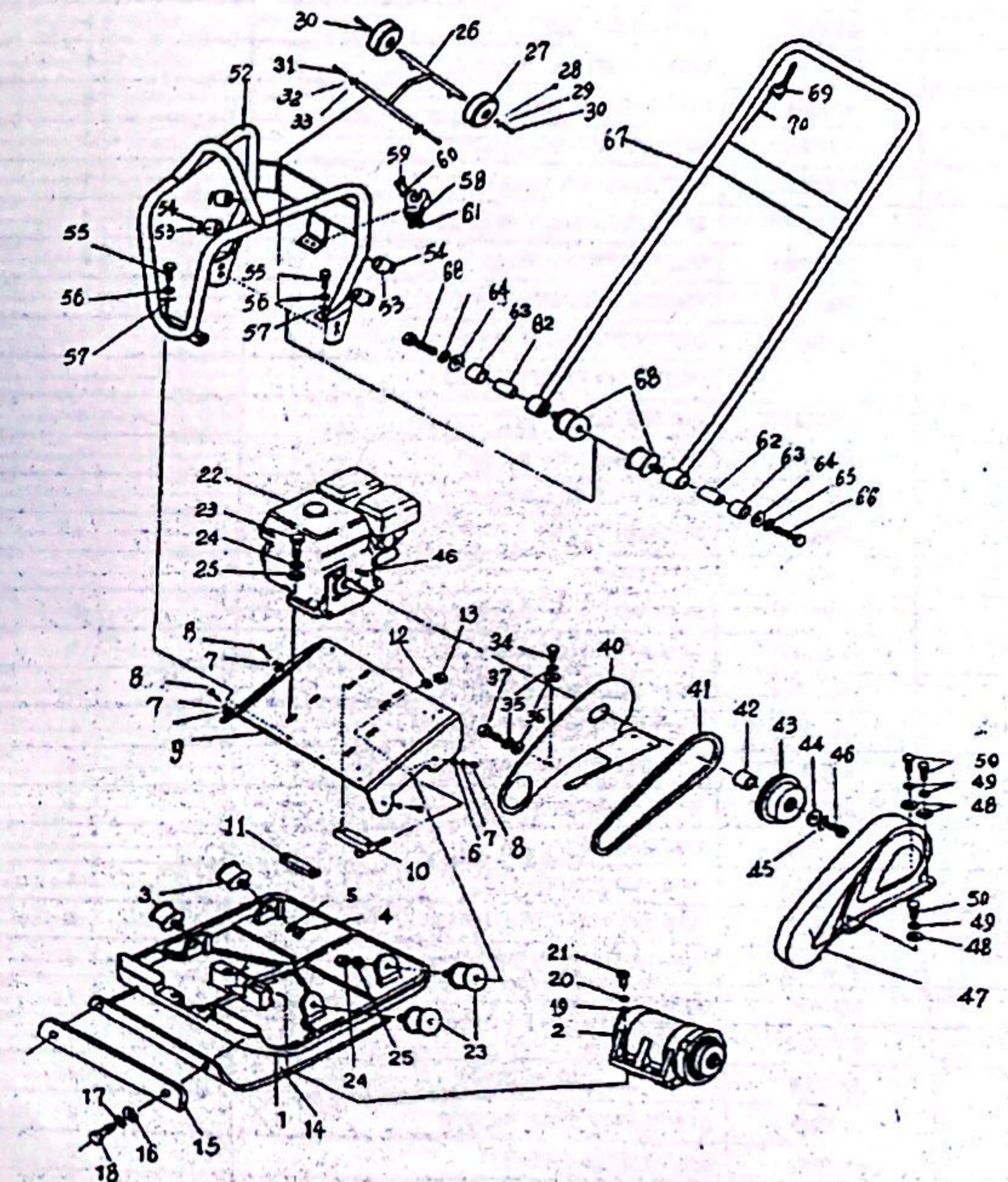


HGC80 PARTS LIST 2

HGC80 PARTS LIST 2

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
12	800012	VIBRATOR ASSEMBLY	1
50	800012-1	O-RING 100-GB3452.1	2
51	800012-2	CASE COVER(R))	1
52	800012-3	FLAT WASHER 8-GB97.1	12
53	800012-4	SPRING WASHER 10-GB93	12
54	800012-5	BOLT M10X40-GB5780	12
55	800012-6	ECCENTRIC ROTATOR	1
56	800012-7	KEY C8-GB1096	1
57	800012-8	PULLEY	1
58	800012-9	FLAT WASHER 8-GB95	1
59	800012-10	SPRING WASHER 8-GB93	1
60	800012-11	BOLT M8X25-GB5782	1
61	800012-12	CASE COVER(R)	1
62	800012-13	BEARING 6211-GB276	2
63	800012-14	PLUG SCREW M14X1.5	1
64	800012-15	PACKING PIECE	1
65	800012-16	VIBRATING CASE	1
33	800013	ENGINE PULLEY ASSEMBLY	1
66	800013-1	CIRCLIP INT62-GB893.1	1
67	800013-2	CIRCLIP INT30-GB94.1	1
68	800013-3	DRUM	1
69	800013-4	BEARING 60206-GB276	1
70	800013-5	CENTRIFUGAL LUMP	3
71	800013-6	CUTCH CENTRE FOR DIESEL	1
		CLUTCH CENTRE FOR PETROL	1
72	800013-7	CLUTCH SPRING	2

HGC90 PLATE COMPACTOR DIAGRAM & PART LIST

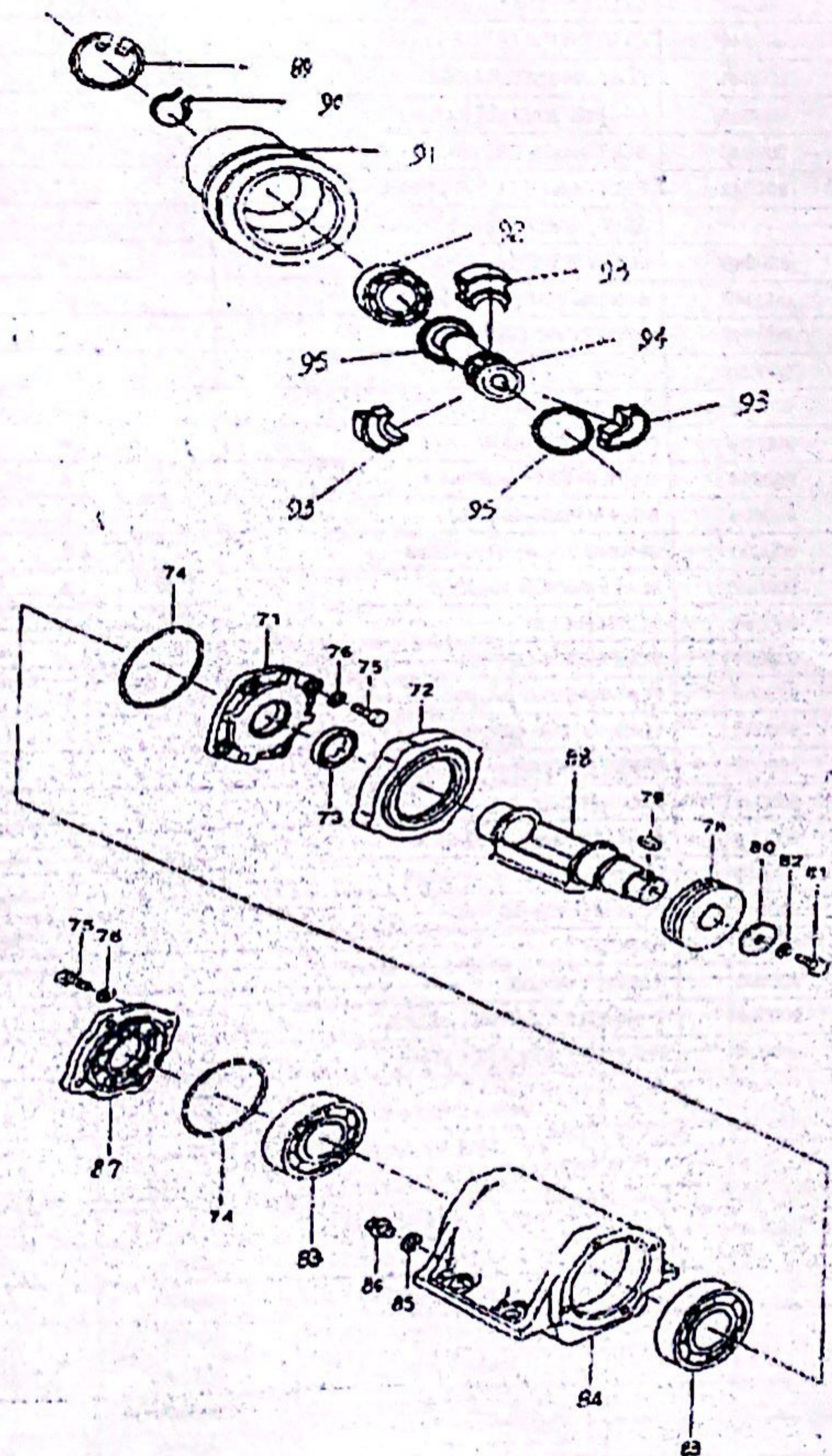


HGC90 PARTS LIST 1

HGC90 PARTS LIST 1

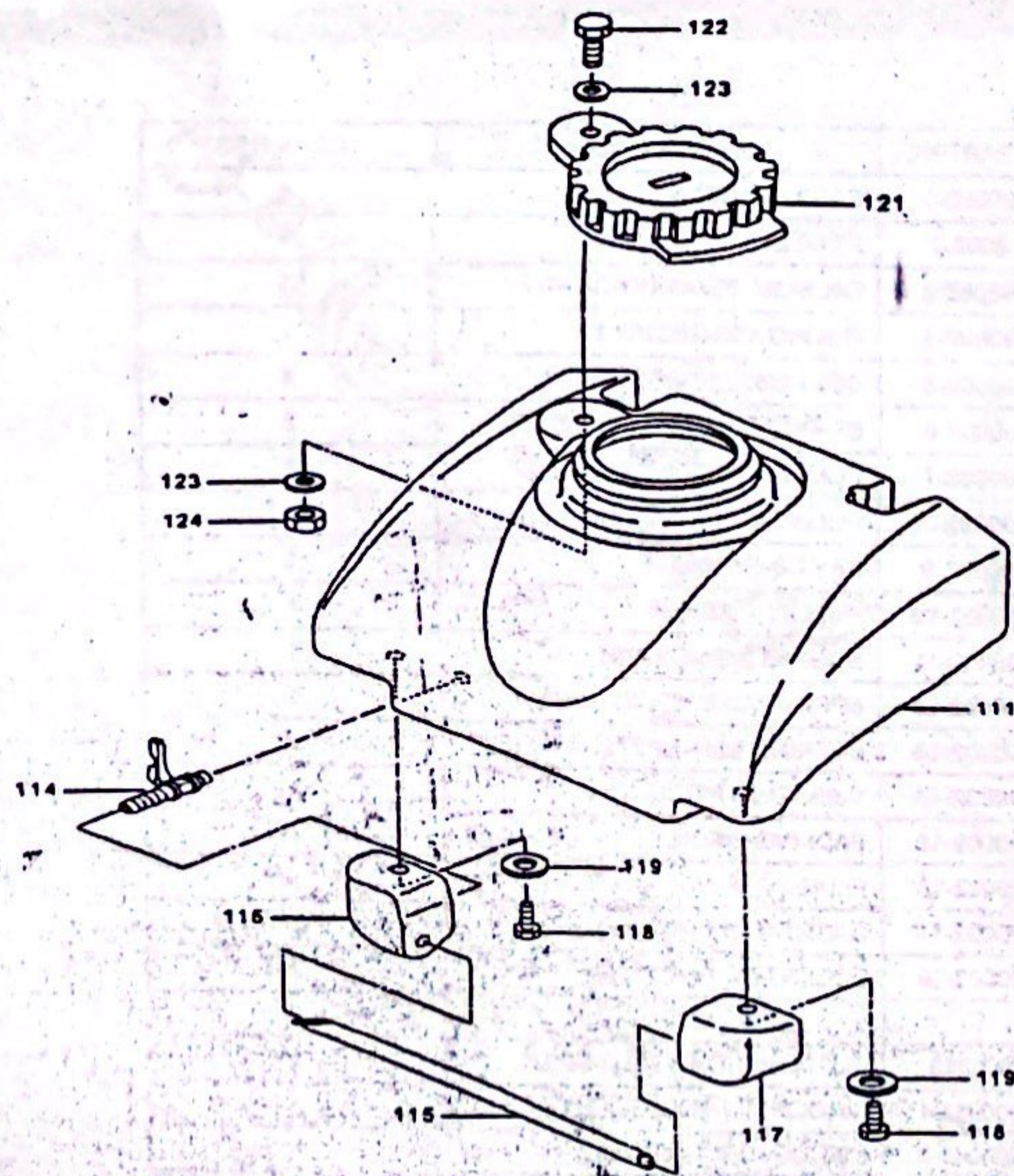
ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	900001	BASE PLATE	1
2	900002	VIBRATOR ASSY	1
3	900003	VIBRATION ABSORBER	4
4	900004	NUT M10-GB6184	4
5	900005	SPRING WASHER 10-GB93	4
6	900006	FLAT WASHER 10-GB95	4
7	900007	SPRING WASHER 10-GB93	4
8	900008	BOLT M10X30-GB5781	4
9	900009	ENGINE MOUNTING PLATE	1
10	900010	DIESEL ENGINE NUT M8	1
		PETROL ENGINE NUT M8	
11	900011	ENGINE NUT M8	1
12	800012	PLATE WASHER 8-GB95	1
13	900013	LOCK NUT M8-GB6184	1
14	900014	RUBBER PLATE	1
15	900015	FIX STRIP	1
16	900016	FLAT WASHER 10-GB95	2
17	900017	SPRING WASHER 12-GB93	2
18	900018	BOLT M10X30-GB5780	2
19	900019	FLAT WASHER 16-GB95	4
20	900020	SPRING WASHER 12-GB93	4
21	900021	BOLT M10X30-GB5781	4
22	900022	ENGINE	1
23	900023	BOLT M10X30-GB5781	4
24	900024	SPRING WASHER 8-GB93	4
25	900025	FLAT WASHER 8-GB95	4
26	900026	WHEEL STAND	1
27	900027	WHEEL	2
28	900028	FLAT WASHER 8-GB95	2
29	900029	SPRING WASHER 8-GB93	2
30	900030	BOLT M8X25-GB5781	2
31	900031	BOLT M8X25-GB5781	2
32	900032	SPRING WASHER 8-GB93	2
33	900033	SLEEVE	2
34	900034	BOLT M8X25-GB5781	1
35	900035	SPRING WASHES 8-GB95	2
36	900036	FLAT WASHER 8-GB95	2
37	900037	BOLT M8X20-GB70	1
38	900038		
39	900039		
40	900040	INSIDE BELT COVER FOR DIESEL ENGINE	1
		INSIDE BELT COVER FOR DIESEL ENGINE	1

41	900041	V-BELT FOR DIESEL ENGINE	1
		V-BELT FOR PETROL ENGINE	1
42	900042	CLUTCH PULLEY WASHER	1
43	900043	CLUTCH PULLEY ASSY	1
44	900044	FLAT WASHER 8-GB95	1
45	900045	SPRING WASHER 8-GB93	1
46	900046	BOLT M8x25-GB5783	1
47	900047	BELT COVER FOR DIESEL ENGINE	1
		BELT COVER FOR PETROL ENGINE	1
48	900048	FLAT WASHER 8-GB95	3
49	900049	SPRING WASHER 8-GB93	3
50	900050	BOLT M8x40-GB5781	3
51	900051		
52	900052	GUARD HOOK	1
53	900053	RUBBER COLLAR	4
54	900054	CIRCLIP EXT12-GB894.1	4
55	900055	BOLT M10x30-GB5781	3
56	900056	SPRING WASHER10-GB93	3
57	900057	FLAT WASHER 10-GB95	3
58	900058	RUBBER CLIP	1
59	900059	BOLT M6X30-GB5781	2
60	900060	FLAT WASHER 6-GB95	4
61	900061	LOCK NUTM6-GB6184	2
62	900062	STEEL COLLAR	2
63	900063	RUBBER COLLAR	2
64	900064	FLAT WASHER 12-GB95	2
65	900065	SPRING WASHER 10-GB93	2
66	900066	BOLT M12X65-GB5780	2
67	900067	HANDLE	1
68	900068	RUBBER MOUNT	2
69	900069	THROTTLE CONTROL LEVEL	1
70	900070	THROTTLE CONTROL WIRE	1



HGC90 PARTS LIST 2

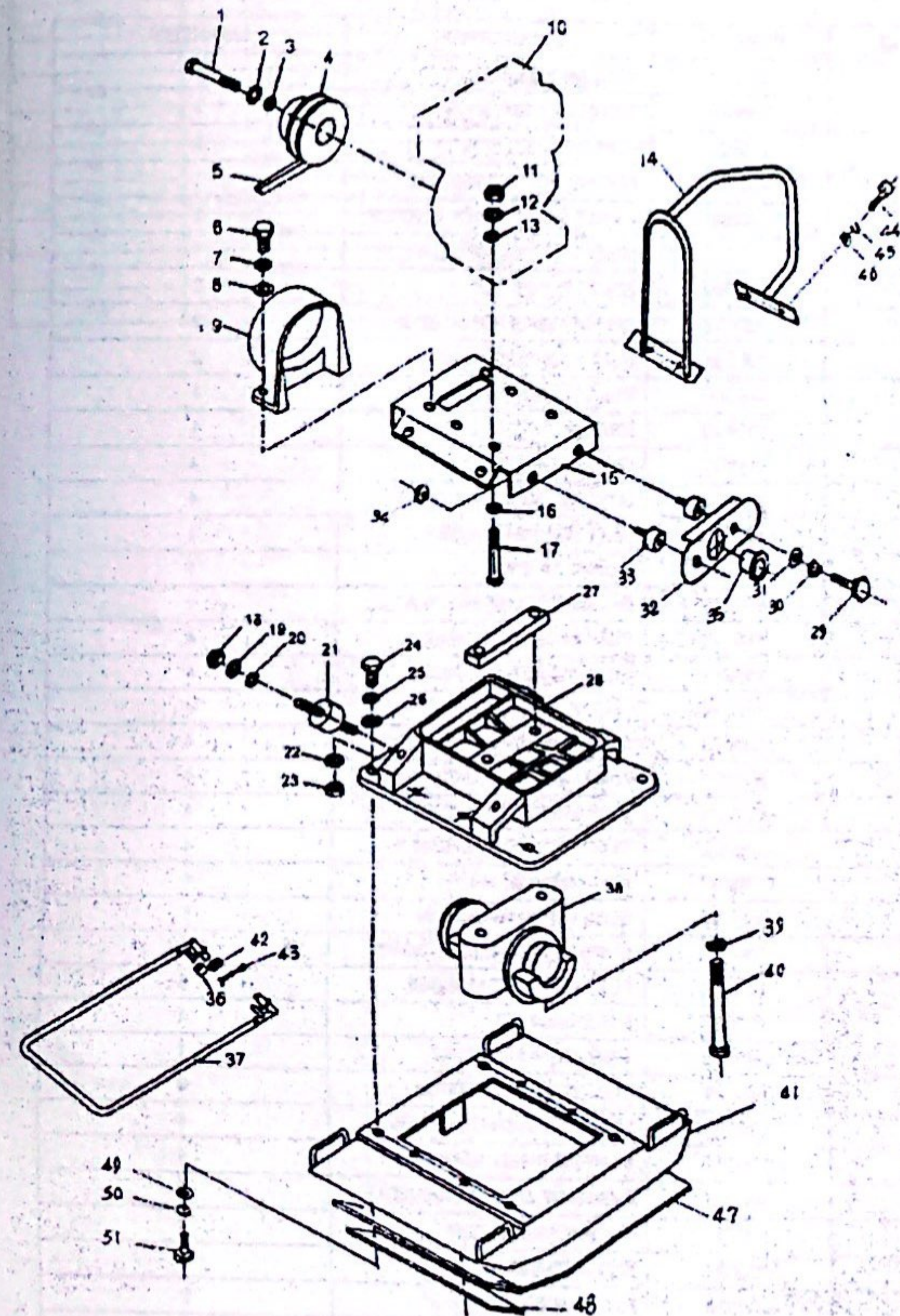
ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
71	90002-1	CASE COVER (L)	1
72	90002-2	PROTECTIVE COVER	1
73	90002-3	OIL SEAL 35X48X10-GB9877	1
74	90002-4	O-RING 100-GB3452.1	1
75	90002-5	BOLT M8X25-GB5783	8
76	90002-6	SPRING WASHER 8-GB93	8
77	90002-7	FLAT WASHER 8-GB96	8
78	90002-8	PULLEY	1
79	90002-9	KEY C8-GB1096	1
80	90002-10	PULLEY WASHER	1
81	90002-11	BOLT M10X25-GB-GB5783	1
82	90002-12	SPRING WASHER 10-GB93	1
83	90002-13	BEARING 6211-GB276	2
84	90002-14	VIBRATING PIECE	1
85	90002-15	PACKING PIECE	1
86	90002-16	PLUG SCREW M14X1.5	1
87	90002-17	CASE COVER (R)	1
88	90002-18	ECCENTRIC ROTATOR	1
43	900043	CLUTCH PULLEY ASSEMBLY	1
89	900043-1	CIRCLIP INT 62-GB893.1	1
90	900043-2	CIRCLIP EXT 30-GB894.1	1
91	900043-3	DRUM	1
92	900043-4	BEARING 60206-GB276	1
93	900043-5	CENTRIFUGAL LUMP	3
94	900043-6	CLUTCH CENTRE FOR DIESEL	1
		CLUTCH CENTRE FOR PETROL	1
95	900043-7	CLUTCH SPRING	2



HGC90 PARTS LIST 3

HGC90 PARTS LIST 3

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
111	900081	WATER TANK	1
114	900082	COCK	1
115	900083	SPRING PIPE	1
116	900084	PIPE HOLDER (L)	1
117	900085	PIPE HOLDER (R)	1
118	900086	BOLT m8X30-GB5783	2
119	900087	WASHER 8-GB95	2
121	900088	CAP WATER TANK	1
122	900089	BOLT M10X30-GB5783	1
123	900090	WASHER 10-GB95	2
124	900091	NYLON NUT M10-GB170	2



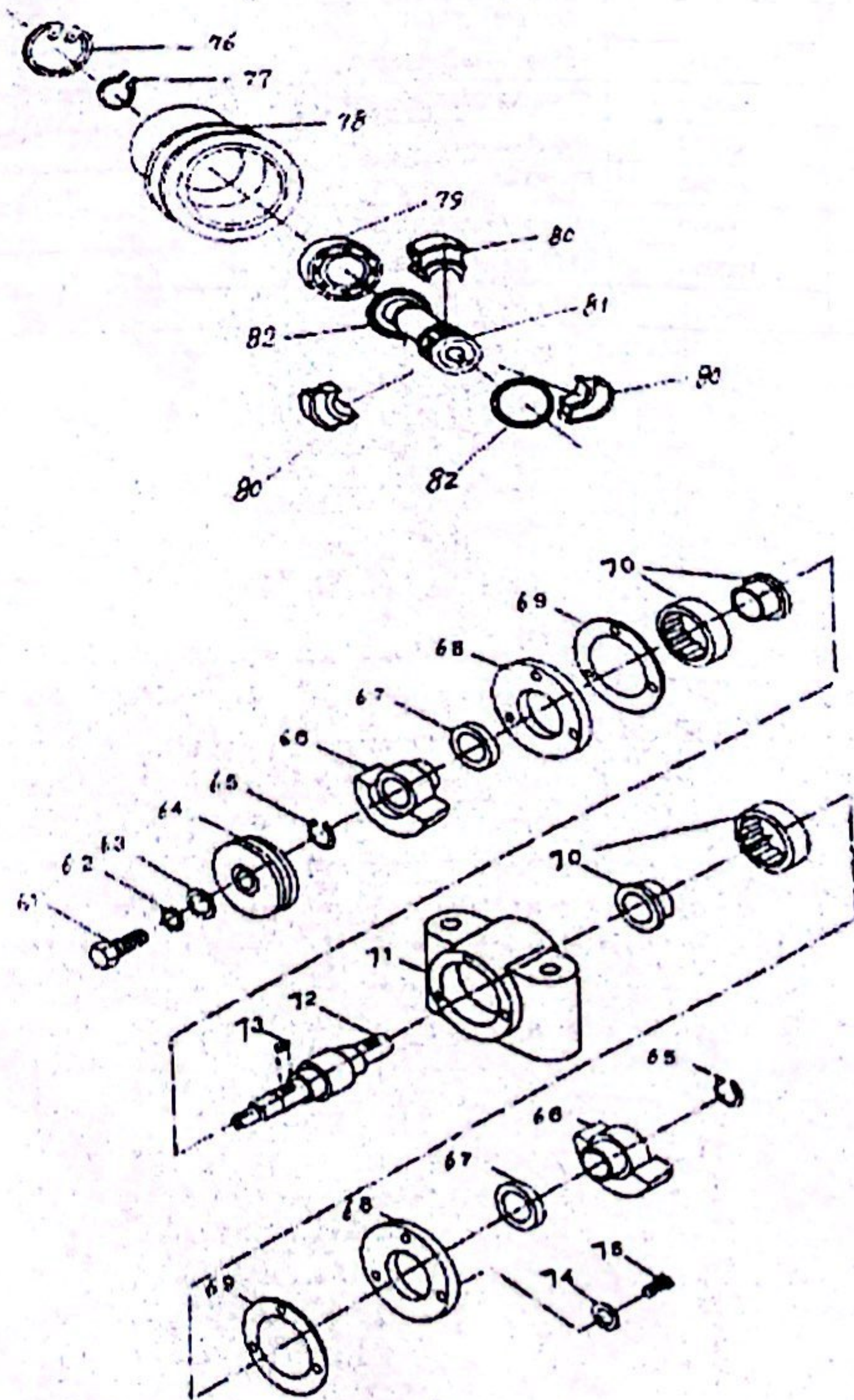
HGC100 PARTS LIST 1

HGC100 PARTS LIST 1

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	100001	BOLT M8 × 25-GB5782	1
2	100002	SPRING WASHER-GB93	1
3	100003	FLAT WASHER-GB97.1	1
4	100004	ENGINE PULLY ASSEMBLY	1
5	100005	V-BELT FOR PETROL ENGINE	1
		V-BELT FOR DIESEL ENGINE	1
6	100006	BOLT M8 × 20-GB70	2
7	100007	SPRING WASHER 8-GB93	2
8	100008	FLAT WASHER 8-GB97.1	2
9	100009	BELT COVER	1
10	100010	ENGINE	1
11	100011	NUT M8-GB6184	4
12	100012	SPRING WASHER 8-GB93	4
13	100013	FLAT WASHER 8-GB97.1	4
14	100014	GUARD HOOK	1
15	100015	ENGINE MOUNTING PLATE	1
16	100016	FLAT WASHER 8-GB97.1	4
17	100017	BOLT M8 × 25-GB5782	4
18	100018	NUT M10-GB6184	4
19	100019	SPRING WASHER 10-GB93	4
20	100020	FLAT WASHER 10-GB97.1	4
21	100021	VIBRATING ABSORBER	4
22	100022	FLAT WASHER 10-GB97.1	4
23	100023	NUT M10-GB6184	4
24	100024	BOLT M12 × 45-GB5780	8
25	100025	SPRING WASHER 12-GB93	8
26	100026	FLAT WASHER 12-GB95	8
27	100027	STRIP NUT M8	1
28	100028	VIBRATOR SUPPORT	1
29	100029	BOLT M10 × 25-GB5782	4
30	100030	SPRING WASHER 10-GB93	4
31	100031	FLAT WASHER 10-GB97.1	4
32	100032	PLATE OF SETTING HANDLE	2
33	100033	SHOCK ABSORBER	4
34	100034	NUT M10-GB6184	4
35	100035	RUBBER COLLAR	2
36	100036	RUBBER COLLAR	2
37	100037	HANDLE	1
38	100038	VIBRATOR ASEMBLY	1
39	100039	SPRING WAHSER 16-GB93	2
40	100040	BOLT M16 × 150-GB5780	2

41	100041	BASE PLATE	1
42	100042	FLAT WASHER 16-GB95	2
43	100043	SPLIT PIN 3 × 40-GB91	2
44	100044	BOLT M8 × 25-GB70	4
45	100045	SPRING WASHER 8-GB93	4
46	100046	FLAT WASHER 8-GB97.1	4
47	100047	RUBBER PLATE	1
48	100048	FIX STRIP	1
49	100049	FLAT WASHER 10-GB95	2
50	100050	SPRING WASHER 10-GB93	2
51	100051	BOLT M10 × 45-GB5782	2

HGC100 PLATE COMPACTOR DIAGRAM & PART LIST



HGC100 PARTS LIST 2

HGC100 PARTS LIST 2

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
38	100038	VIBRATOR ASSEMBLY	1
61	100061	BOLT M8×25-GB5782	1
62	100062	SPRING WASHER 8-GB93	1
63	100063	FLAT WASHER 8-GB95	1
64	100064	PULLY	1
65	100065	CIRCLIP EXT24-GB894.1	2
66	100066	ECCENTRIC ROTATOR	2
67	100067	OIL SEAL	2
68	100068	BEARING COVER	2
69	100069	PACKING	2
70	100070	BEARING 42306	2
71	100071	VIBRATING CASE	1
72	100072	SHAFT	1
73	100073	KEY C6×25-GB1096	2
74	100074	SPRING WASHER 6-GB93	6
75	100075	BOLT M6×25-GB70	6
4	100004	ENGINE PULLEY ASSEMBLY	1
76	100004-1	CIRCLIP INT 62-GB893.1	1
77	100004-2	CIRCLIP EXT30-GB894.1	1
78	100004-3	DRUM	1
79	100004-4	BEARING	1
80	100004-5	CENTRIFUGAL LUMP	3
81	100004-6	CLUTCH CENTRE	1
82	100004-7	CLUTCH SPRING	2

WARRANTY

These products are covered by warranty for a period of six(6) months from the date of purchase against defects in material or workmanship provided that:

The product concerned 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 person.

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

Impact damage is not covered under warranty.Clutches are not covered under any warranty.Engines are warranted by their manufacturer.

MAINTENANCE RECORDS

PREVENTATIVE MAINTENANCE AND ROUTINE SERVICE PLAN

This plate compactor has been assembled with care and will provide years of service. Preventative maintenance and routine service are essential to the long life of our plate compactor. After reading through this manual thoroughly, you will find that you can do some of the regular maintenance yourself. However, when in need of parts or major service, be sure to see your dealer. For your convenience we have provided this space to record relevant data about your plate compactor.

Invoice Number:		Type of Machine:	
Date Purchased:		Dealer Name:	
Serial Number:		Dealer Phone:	

[illegible]