

# VPB300/400 VIBRATING PLATE

NE&T

Technical Data	
Parts manual	136.1091
Product manual	PM
Design File	DF

Customs Tariff Codes		
	Product	Spares
Vibrating Plates		

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**Dealer**









# VPB300/400 VIBRATING PLATE PARTS

## WATER TANK AND SPRAY BAR

### WATER TANK AND SPRAY BAR (Drawing No 300.1025.7)

Item	Description	Qty	VPB300	VPB400
1	Assembly		310.1001.300	310.1001.300
2	Water Tank c/w adaptor	1	310.1033	310.1033
3	Water Tank w/o adaptor	1	310.1036	310.1036
4	Water Tank Cap	1	310.1033.10	310.1033.10
5	Water Tank Carrier	1	310.1032	310.1032
6	Water Tank adaptor	1	310.1025	310.1025
7	Locknut M16	1	990.1001.16	990.1001.16
8	Plain Washer M16	1	991.1002.16	991.1002.16
9	Silicon Sealer	As Req	902.1007.2	902.1007.2
10	Hex Head Set Screw M8 x 30	4	998.1008.30	998.1008.30
11	Plain Washer M8	4	991.1001.8	991.1001.8
12	Spring Washer M8	4	991.1020.8	991.1020.8
13	Nylon Insert Nut M8	4	990.1001.8	990.1001.8
14	Spray Bar	1	310.1027.300	301.1027.300
15	Spray Bar End Cap	2	904.1004.1	904.1004.1
16	Hex Head Set Screw M8 x 25	2	998.1008.25	998.1008.25
17	Plain Washer M8	2	991.1001.8	991.1001.8
18	Spring Washer M8	2	991.1020.8	991.1020.8
19	Nylon Insert Nut M8	2	991.1020.8	991.1020.8
20	Tap	1	906.1004	906.1004
21	Nylon Hose		906.1003	906.1003
22	Tank Clamp	1	310.1037	310.1037

# VPB300/400 VIBRATING PLATE PARTS

## VIBRATING PLATE SPECIFICATION

MODEL	VPB300	VPB400	VPB300	VPB400
Part Number	300.1025.100	300.1026.100	300.1025.300	300.1026.300
Engine	Honda GX100	Honda GX100	Lianling LL152F	Lianling LL152F
Operating weight	45 kg	49 kg	45 kg	49 kg
Plate Width	300 mm	400 mm	300 mm	400 mm
Plate Length	480 mm	480 mm	480 mm	480 mm
Centrifugal Force kg	906 kg	906 kg	906 kg	906 kg
Centrifugal Force kn	9 kn	9 kn	9 kn	9 kn
Exciter vpm	5880	5880	5880	5880
Engine Speed rpm	3600	3600	3600	3600
Travel Speed mtr/min	22	22	22	22
Weighted Acceleration m/s <sup>2</sup> (On Gravel)	7.5	7.5	7.8	7.8
S P Noise Level dB(A)	84	84	86	86

## VIBRATING PLATE SPECIFICATION

MODEL	VPB300	VPB400	VPB300	VPB400
Part Number	300.1025.100	300.1026.100	300.1025.400	300.1026.400
Engine	Robin EH09	Robin EH09	Loncin LL152F	Loncin LL152F
Operating weight	45 kg	49 kg	45 kg	49 kg
Plate Width	300 mm	400 mm	300 mm	400 mm
Plate Length	480 mm	480 mm	480 mm	480 mm
Centrifugal Force kg	906 kg	906 kg	906 kg	906 kg
Centrifugal Force kn	9 kn	9 kn	9 kn	9 kn
Exciter vpm	5880	5880	5880	5880
Engine Speed rpm	3600	3600	3600	3600
Travel Speed mtr/min	22	22	22	22
Weighted Acceleration m/s <sup>2</sup> (On Gravel)	8.92	8.92	8.92	8.92
S P Noise Level dB(A)	84	84	86	86

# VPB300/400 VIBRATING PLATE PARTS

## SAFETY INSTRUCTIONS

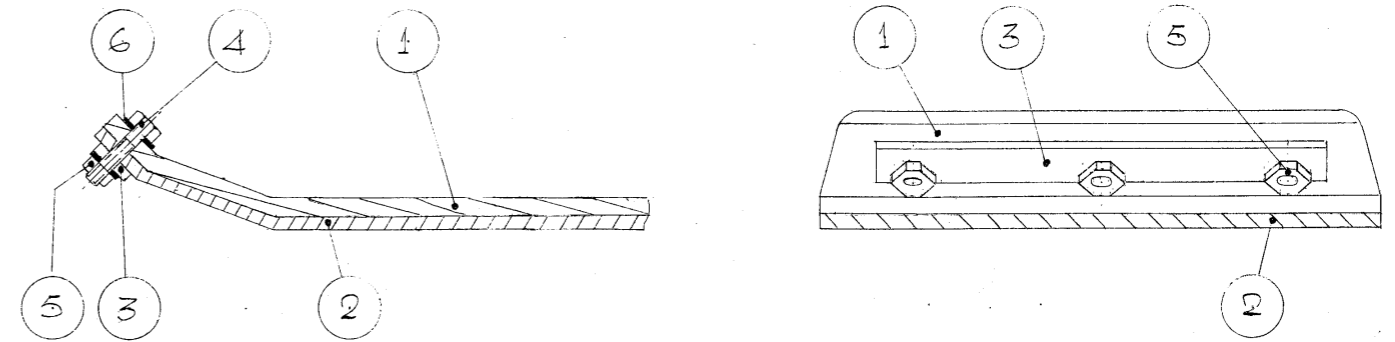
- 1) Construction equipment may only be operated by persons who:-
  - are at least 18 years of age
  - are physically and mentally fit for this job
  - have been instructed in the use of this equipment and proved their ability for the job to their employer.
  - may be expected to carry out the job they are charged with carefully.
- 2) Vibrating plates may only be used for compaction work in the construction industry i.e. compaction of soils, hardcore, bituminous materials. Both the manufacturers and the engine/motor manufacturer's operating instructions and these safety instructions have to be observed.
- 3) The persons charged with the operation of vibrating plates have to be made familiar with the necessary safety measures relating to the machine. In case of extraordinary uses the employer shall give the necessary additional instructions.
- 4) It is possible that this vibrating plate exceeds the admissible sound level of 89dB (A). According to the rules for the prevention of accidents regarding emission of noise, the employees have to wear ear protection if the sound level reaches 89dB (A) or more.

### Operation

- 1) When starting a diesel engine with a starter crank make sure you have assumed a proper position with respect to the engine and that your hands are placed properly on the crank. NB Engine stop start mechanisms vary slightly, always read the engine manual to familiarize yourself with the starting and stopping conditions. **ATTENTION!** Turn hand crank vigorously until engine starts, as otherwise the crank could rebound.
- 2) The functioning of operating levers or elements is not to be influenced or rendered ineffective.
- 3) During operation the operator may not leave the control elements.
- 4) The operator has to stop the engine of the vibrating plate before going on breaks. The machine has to be placed such that it cannot turn over.
- 5) Stop engine before filling fuel tank. When refilling fuel tank, do not allow fuel to come into contact with the hot parts of the engine or spill on to the ground.
- 6) Do not smoke or handle open fire near this machine.
- 7) The tank lid must fit tightly. Shut off fuel cock, if available when shutting the engine. For long distance transports of the machine operated by fuel or fuel-mixtures, the fuel tank has to be drained completely. **ATTENTION!!** Exhausts are hot. Do not touch them.
- 8) Do not operate the machine in areas where explosions may occur.
- 9) Make sure that sufficient fresh air is available when operating vibrating plates with combustion engines in enclosed areas, tunnels, adits and deep trenches.
- 10) During operation keep your hands, feet and clothes away from the moving parts of the vibrating plate. Wear safety shoes, and eye protection glasses in case of trench operation where falling sand stones may be ejected.
- 11) When working near the edges of breaks, pits, slopes, trenches and platforms, vibrating plates are to be operated such that there is no danger of their turning over or dropping in trenches.  
are to be operated such that there is no danger of their turning over or dropping in.

# VPB300/400 VIBRATING PLATE PARTS

## RUBBER MAT



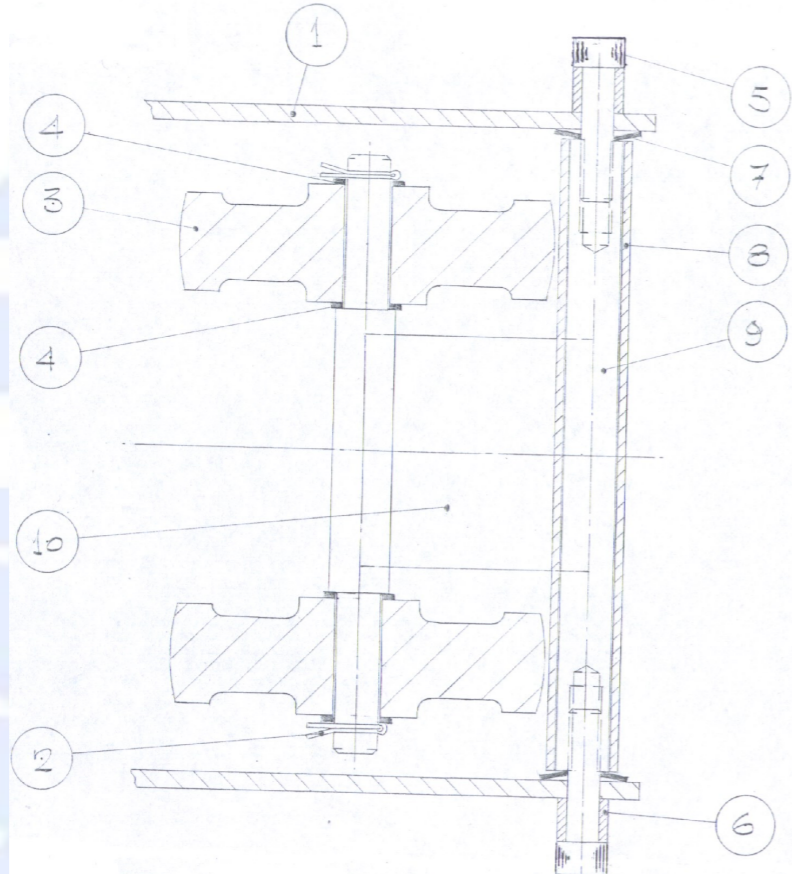
### RUBBER MAT (Drawing No 314.10050)

Item	Description	Qty	VPB300	VPB400
1	Assembly		314.1005.300	314.1005.400
2	Baseplate	1	304.1058.300	304.1058.400
3	Mat	1	314.1003.300	314.1003.400
4	Mounting Bar	1	314.1002.300	314.1002.300
5	Hex Head Set Screw M8 x 25	3	998.1008.25	998.1008.25
6	Plain Washer M8	3	991.1001.8	991.1001.8
7	Nylon Insert Nut M8	3	990.1001.8	990.1001.8



# VPB300/400 VIBRATING PLATE PARTS

## TRANSPORT WHEEL SYSTEM



**WHEEL SYSTEM (Drawing No 300.1025.1)**

Item	Description	Qty	VPB300/400
1	Engine Deck	1	301.1005
2	Split Pin 1/8 "x 1 1/4"	2	989.3002.20
3	Nylon Wheel Reevo 100NY03	2	905.1002.1
4	Plain Washer M8	2	991.1002.8
5	Socket Head Cap Screw M8 x 35 with Nylon Patch	2	984.1008.35E
6	Spacer Bush	2	301.1006
7	Disc Spring Anaco DIP 208260	2	977.2010.6
8	Swivel Tube	1	311.1026
9	Swivel Tube Spindle	1	301.1007
10	Wheel Carrier	1	311.1025

# VPB300/400 VIBRATING PLATE PARTS

## SAFETY INSTRUCTIONS

- 12) When travelling backwards the operator has to guide the vibration plate laterally by its guide handle so that he will not be squeezed between the handle and a possible obstacle. Special care is required when working on uneven ground or when compacting coarse material. Make sure of a firm stand when operating the machine under such conditions.
- 13) Vibrating plates are to be guided such that hand injuries caused by solid objects are avoided.
- 14) Vibrating plates have to be guided such that their stability is guaranteed.
- 15) Machines with integrated transport trolley may not be parked or stored on the trolley. This device has only been designed to transport the machine.

### Safety Checks

- 1) Vibratory plates may only be operated with all safety devices installed.
- 2) Before starting operation, the operator has to check that all control and safety devices function properly.
- 3) In case of defects of the safety devices or other defects reducing the operational safety of the vibrating plate, the supervisor has to be informed immediately.
- 4) In case of defects jeopardizing the operational safety of the vibrating plate, the machine has to be stopped immediately.
- 5) As soon as maintenance and repair jobs have been completed all safety devices have to be reinstalled properly.

### Transport

- 1) During transport, loading and unloading of vibrating plates by means of lifting devices, appropriate slinging means or hooks have to be used on the lifting points provided for this purpose on the vibrating plate.
- 2) The load-carrying capacity of the loading ramps has to be sufficient and the ramps have to be secure such that they cannot turn over. Make sure that no one be endangered by machines turning over by slipping or by moving machine parts.
- 3) When being transported on vehicles, precautions have to be taken that vibrating plates do not slip or turn over.

### Lifting

Machine weight can be found on the Serial No. plate, it is too heavy for one person to lift! The lifting hook positions are clearly marked - use them.

### Maintenance Checks

According to the conditions and frequency of use, vibrating plates have to be checked for safe operation at least once a year by skilled technicians, such as those found at the manufacturer's service depots and have to be repaired if necessary.

PLEASE ALSO OBSERVE THE CORRESPONDING RULES AND REGULATIONS VALID IN YOUR COUNTRY

# VPB300/400 VIBRATING PLATE PARTS

## BUILD DETAIL

Model	
Machine Serial Number	
Motor/Engine Manufacturer	
Motor/Engine Serial Number	
Machine Built by	
Tested by	
Build Date	

## DEALER PREDELIVERY INSPECTION

Tested	
Date	

## EC DECLARATION OF CONFORMITY (STATIC MACHINES)

We Declare under our sole responsibility that the product(s)

FORWARD TRAVEL PLATE

To which this certificate relates is in conformity with the following directives

89/392/EEC Machines Directive  
 93/44/EEC Amendment to Machines Directive  
 93/68/EEC Amendment to Machines Directive

This equipment must not be put into service until the machinery into which it is to be incorporated has been declared in conformity with the provisions of the above mentioned directive.

Certified by

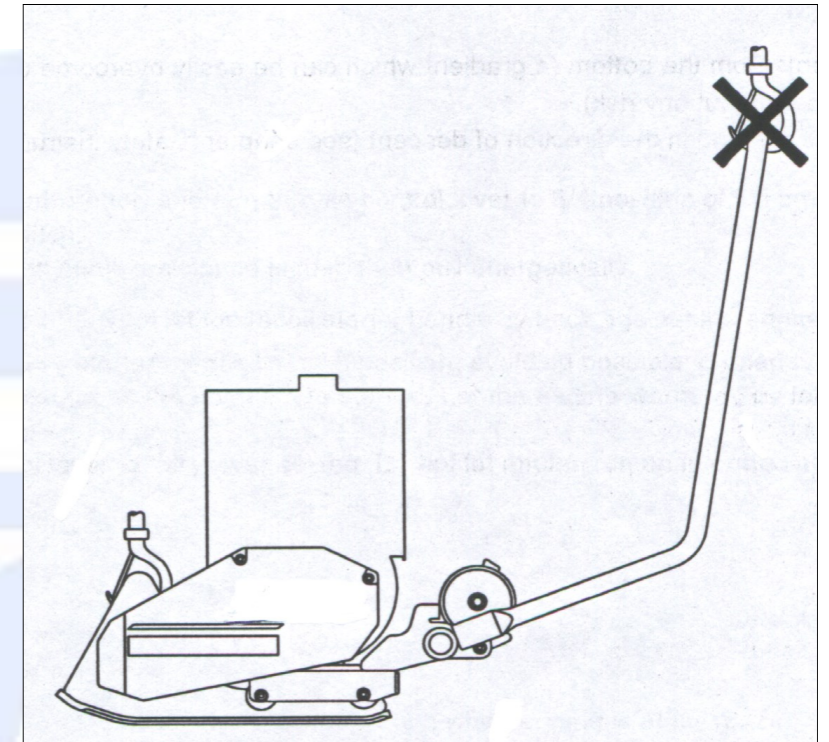
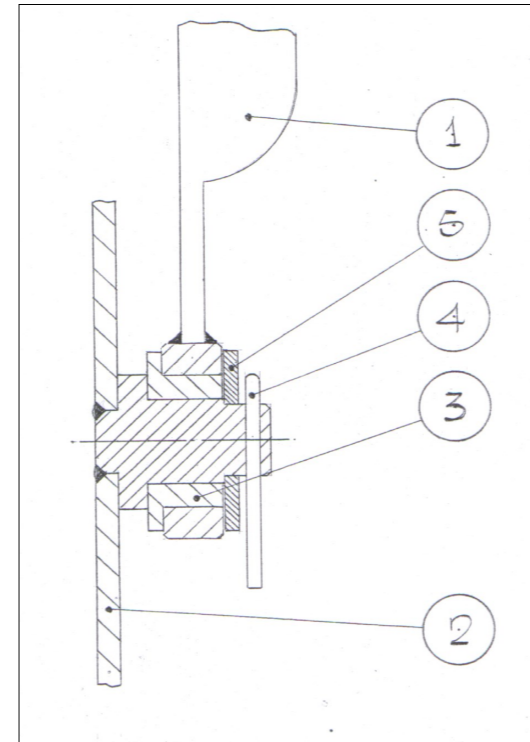
*Paul Sampson*  
 Director

Date Thursday, July 11, 2024

# VPB300/400 VIBRATING PLATE PARTS

## HANDLE

NEVER HOIST THE VIBRATING PLATE BY THE HANDLE



## HANDLE (Drawing No 300.1025.1)

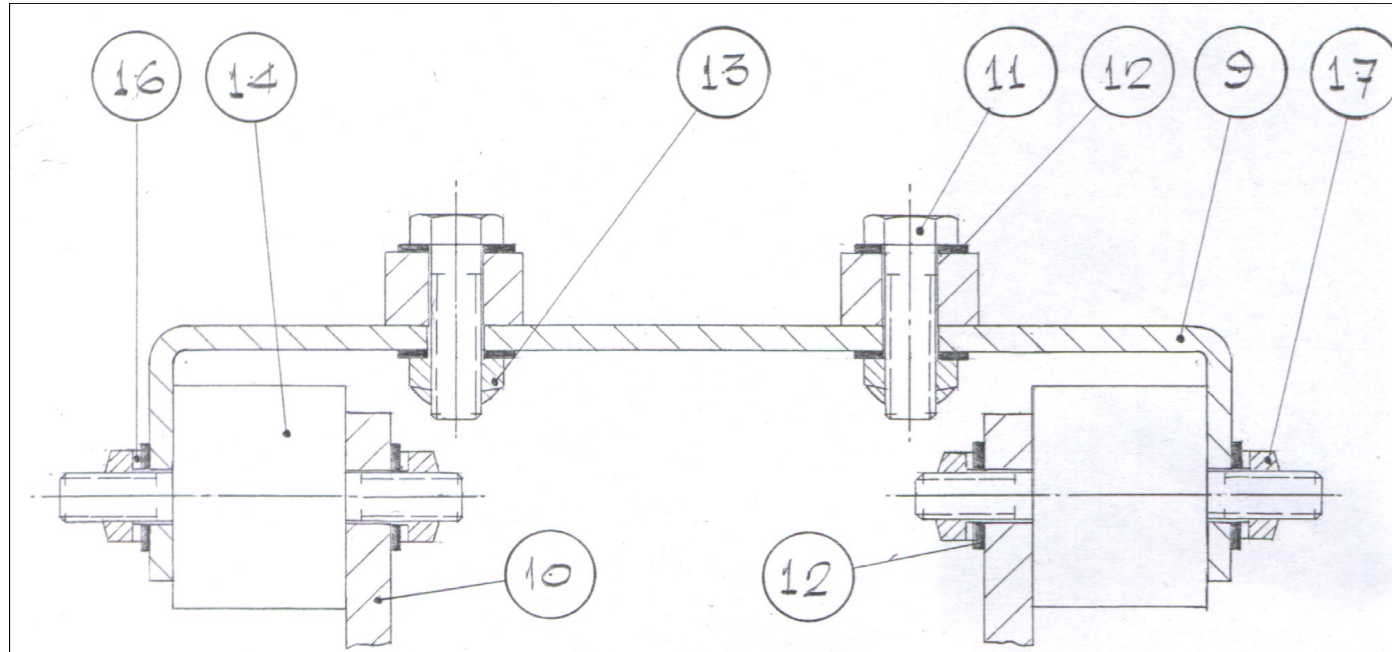
Item	Description	Qty	VPB300/400
1	Handle	1	309.1020
2	Engine Deck	1	301.1005.1
3	Anti Vibration Bush	2	309.1023
4	Tractor Clip 4 mm	2	977.3030.22
5	Plain Washer M16	2	991.1003.16



# VPB300/400 VIBRATING PLATE PARTS

## ENGINE DECK

CHECK ANTI VIBRATION MOUNT NUTS ARE TIGHT WEEKLY



### ENGINE DECK (Drawing No 300.1025.4)

Item	Description	Qty	VPB300	VPB400
15a	Engine Honda G100 5/8" (Discontinued)	1	970.1031.10	970.1031.10
	Engine Honda GX100 5/8"	1	970.1031.18	970.1031.18
15b	Engine Robin EY08 5/8" keywayed	1	970.1032.7	970.1032.7
15c	Engine Robin EY08 3/4" keywayed	1	970.1032.8	970.1032.8
9	Engine Deck	1	301.1005.1	301.1005.1
10	Baseplate	1	304.1058.300	304.1058.400
11	Hex Head Bolt M8 x 30	4	998.1008.30	998.1008.30
12	Plain Washer M8	4	991.1001.8	991.1001.8
13	Nylon Insert Nut M8	4	990.1001.8	990.1001.8
14	Anti Vibration Mount	4	968.1004.1	968.1004.1
12.	Plain Washer	8	991.1001.8	991.1001.8
16	Spring Washer	4	991.1020.8	991.1020.8
17	Locknut M8	4	990.1020.8	990.1020.8

# VPB300/400 VIBRATING PLATE PARTS

## TECHNICAL DATA

MACHINE REFERENCE	VPB300	VPB400
Operating weight (Mass) /Kg	40	45
Power Transmission	From the centrifugal clutch via the V Belt to the exciter, which in turn transmits the centrifugal forces directly to the baseplate	
Exciter Vibrations min <sup>-1</sup> (Hz)	5880	
Engine	Air Cooled, single cylinder 4 Stroke engine	
Engine Model	Honda GX100	Robin EY08
Piston Displacement	83cc	77cc
Engine Speed	3600	3600
Nominal Output	1.3kw	1.4kw
Fuel	Petrol	Petrol
Fuel Consumption	0.6 litre/hour	0.8 litre/hour
Tank Capacity,	1.4 litres	1.7 litres

## EC DECLARATION OF CONFORMITY (NOISE)

Declares that the following equipment manufactured by GCM Ltd conforms to the Directive:-

2000/14/EC

of the European Parliament and of the council on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors.

Equipment Category – Scarifiers

The technical documentation is kept by: *Nationwide Eng & Tools Ltd, Ratcliffe Buildings, Tuttle Hill, Nuneaton, Warwickshire, CV10 0GA*

	VPB300/400	VPB300/400	VPB300/400	VPB300/400
Model	VPB300/400	VPB300/400	VPB300/400	VPB300/400
Product Type	Honda GX100	Robin EH09	Lianlong 152	Loncin 152
Serial No				
Net Installed Power	3.5 hp	3.5 hp	3.5 hp	3.5 hp
Measured Sound Power	84 dB(A)	84 dB(A)	86 dB(A)	86 dB(A)
Guaranteed Sound Power	94 dB(A)	94 dB(A)	96 dB(A)	96 dB(A)

The conformity assessment procedure followed was in accordance with annex 0 of the Directive.

Testing Laboratory: *AV Technology Ltd*

A copy of this certificate has been submitted to the European Commission and to EU Member State

Place of Declaration: *Nuneaton*

Date: 01/10/07

Signed by: *D.Charles*

Position in Company: *General Manager*

Name and address of manufacturer *nationwide Eng & Tools Ltd, Ratcliffe Buildings, Tuttle Hill, Nuneaton.*

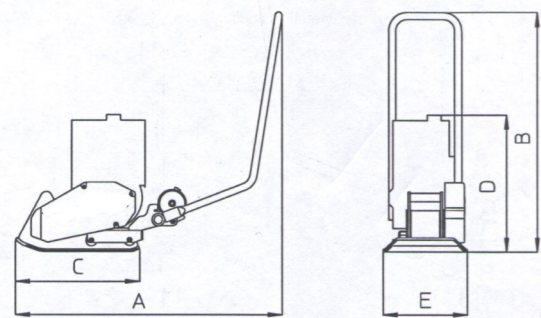
# VPB300/400 VIBRATING PLATE PARTS

## DESCRIPTION

### Fields of application

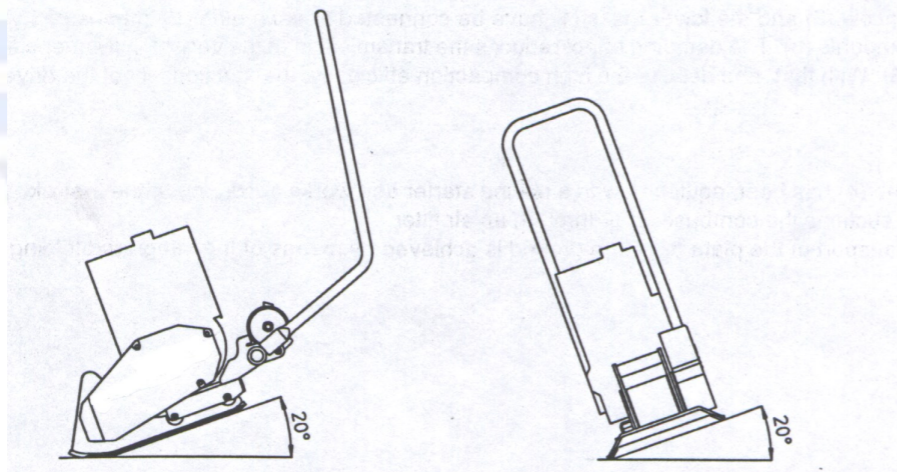
Basically the vibrating plate VPB300/400 was designed for asphalt road repair jobs (patching) and for the vibration of light interlocking paving stones

Further applications could be in the field of garden and landscaping architecture



DIMENSIONS		
	VPB300	VPB400
A	940mm	940mm
B	850mm	850mm
C	443mm	443mm
D	410mm	410mm
E	300mm	400mm

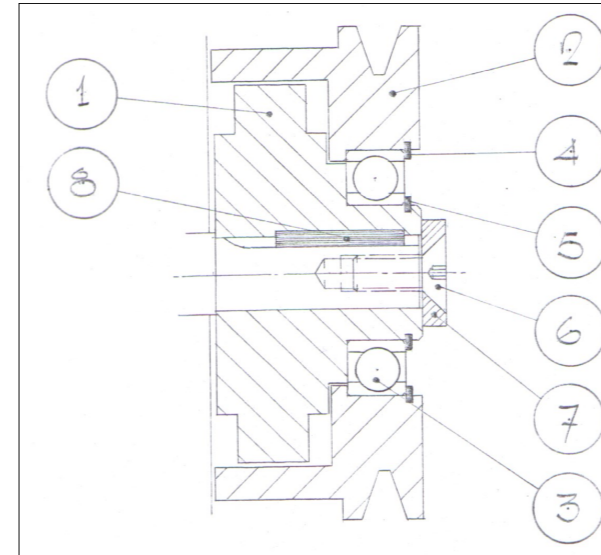
### Maximum Admissible Inclination



# VPB300/400 VIBRATING PLATE PARTS

## CENTRIFUGAL CLUTCH

CHECK CLUTCH SECURING WASHER IS TIGHT WEEKLY



### PLEASE NOTE

IF YOU CHANGE THE ENGINE THE OUTPUT SPINDLE WILL NEED TO BE MODIFIED TO AN OVERALL LENGTH OF 49.00 mm

## GCM 112 CENTRIFUGAL CLUTCH (Drawing No 300.1025.4 & 312.1170)

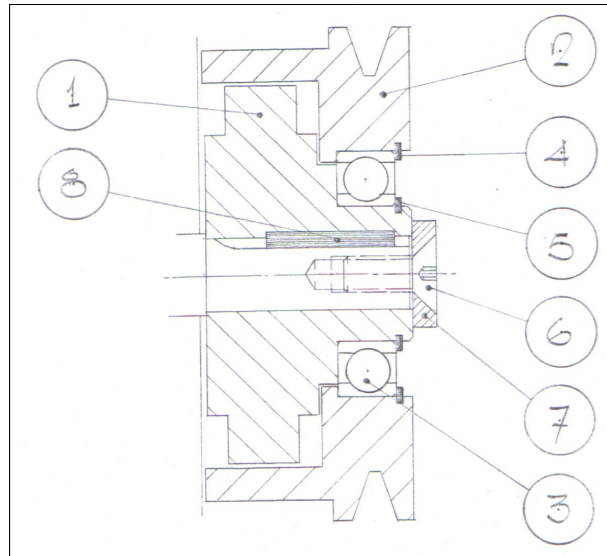
Item	Description	Qty	VPB300/400
1	Clutch Assembly 5/8" Bore	1	312.1170.625
1a	Clutch Assembly 3/4" Bore	1	312.1170.750
1b	Clutch Assembly 15 mm	1	312.1170.15
1b	Clutch Shoes	3	312.1182
1c	Clutch Springs	2	312.1183
1d	Clutch Hub 5/8"	1	312.1174.625
1e	Clutch Hub 3/4"	1	312.1174.750
1f	Clutch Hub 15mm	1	312.1174.15
	Blank Clutch Hub (Part of 312.1174) 5/8	1	312.1176.625
	Blank Clutch Hub (Part of 312.1174) 3/4	1	312.1176.750
	Blank Clutch Hub (Part of 312.1174) 15 mm	1	312.1176.15
	Clutch Hub Shoe retainer (Part of 312.1174)	1	312.1187
2	Clutch Pulley	1	312.1131.2
3	Bearing 6006 2RS	1	979.1000.18
4	Internal Circlip 1400-0300	1	977.1000.55
5	External Circlip 1300-0550	1	977.1000.30
7	Retaining Washer	1	302.1014
6	Socket Countersunk Screw 1/4 UNF x 1/2" with Nylon Patch	1	982.1034.8E
8	Engineers Key 3/16" x 3/16" x 1 1/2"	1	976.1002.24
9a	Clutch Spacer 1mm	1	302.1010.1
9b	Clutch Spacer 2mm	1	302.1010.2
9c	Clutch Spacer 3mm	1	302.1010.3



# VPB300/400 VIBRATING PLATE PARTS

## CENTRIFUGAL CLUTCH

CHECK CLUTCH SECURING WASHER IS TIGHT WEEKLY



**PLEASE NOTE**

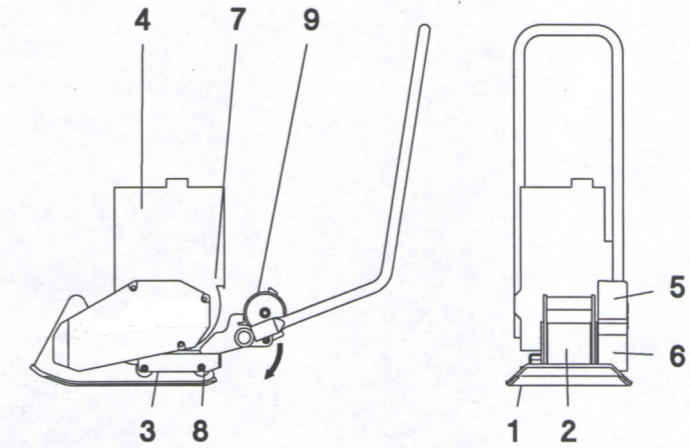
IF YOU CHANGE THE ENGINE THE OUTPUT SPINDLE WILL NEED TO BE MODIFIED TO AN OVERALL LENGTH OF 49.00 mm

### AC10B CENTRIFUGAL CLUTCH (Drawing No 300.1025.4 & 312.1130)

Item	Description	Qty	VPB300/400
1	Clutch Assembly 5/8" Bore	1	312.1130.625
1a	Clutch Assembly 3/4" Bore	1	312.1130.750
1b	Clutch Shoes	2	960.1002
1c	Clutch Springs	2	960.1001
1d	Clutch Hub 5/8"	1	312.1134.625
1e	Clutch Hub 3/4"	1	312.1134.750
2	Clutch Pulley	1	312.1131
3	Bearing 6006 2RS	1	979.1000.18
4	Internal Circlip 1400-0300	1	977.1010.30
5	External Circlip 1300-0550	1	977.1000.55
7	Retaining Washer	1	302.1014
6	Socket Countersunk Screw 1/4 UNF x 1/2" with Nylon Patch	1	982.1034.8E
8	Engineers Key 3/16" x 3/16" x 1 1/2"	1	976.1002.24
9a	Clutch Spacer 1mm	1	302.1010.1
9b	Clutch Spacer 2mm	1	302.1010.2
9c	Clutch Spacer 3mm	1	302.1010.3

# VPB300/400 VIBRATING PLATE PARTS

## DESCRIPTION OF FUNCTION



The exciter (2), which is integrated to the lower mass (1), produces the vibrations required for the compaction process. This exciter is of single directional type and has been designed to create circular vibrations.

The engine (4) drives the exciter (2) and is fixed to the motor console (3). The engine torque is transmitted via the centrifugal clutch (5) and the exciter V Belt (6)

The centrifugal clutch (5) interrupts the power flow to the exciter (2) when the engine is turning at low R P Ms. thereby allowing a flawless idling of the drive engine (4). The drive engine R P M s can be varied infinitely by means of the throttle lever (7).

The engine console (3) and the lower mass (1) have been connected to each other by means of four anti vibration mountings (8). The damping effect reduces the transmission of the very high frequencies to the engine console (3) With that, and despite the high compaction efficiency, the functionality of the drive engine (4) is maintained.

The drive engine (4) has been equipped with a rewind starter and works according to the four stroke principle, is air-cooled and suctions the combustion air through an air filter. An effortless transport of the plate over firm ground is achieved by means of the integrated folding wheel system (9).



# VPB300/400 VIBRATING PLATE PARTS

## TRANSPORTATION

To transport the vibration plate, only use suitable lifting equipment with a minimum load bearing capacity of 50kg

Before and during transportation always switch the engine off.

Only attach suitable tackle at the central lifting point provided

Please keep the vibration plate well secured while carrying on transport vehicles

**DO NOT** lift using the handle

At all times observe the Safety Instructions

## COMPACTION

### Ground Conditions

The maximum compaction depth depends on several factors relating to the ground conditions such as moisture, grain disposition etc  
It is therefore not possible to specify exact values

### Recommendations

In each case determine the maximum compaction depth with compaction tests and soil samples.

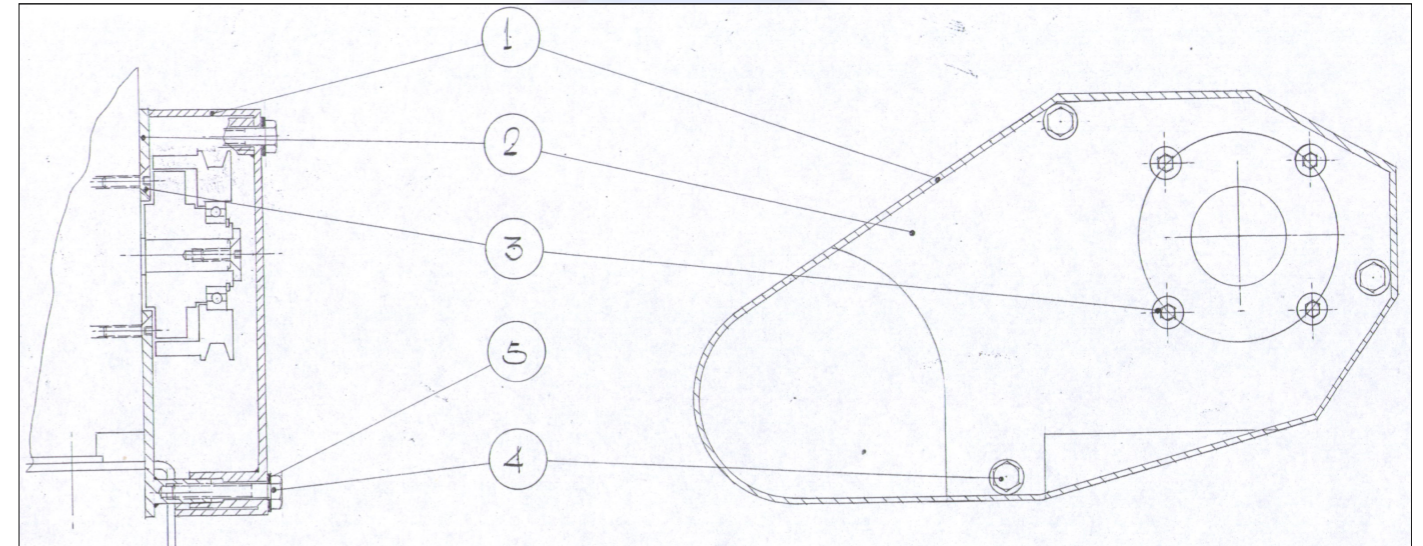
### Compaction on Slopes

The following points are to be observed when compacting on slopes or embankments  
Only approach gradients from the bottom (a gradient which can be easily overcome upwards can be compacted downwards without any risk).  
The operator must never stand in the direction of descent (see Safety Instructions)

# VPB300/400 VIBRATING PLATE PARTS

## BELT GUARD

**CHECK GUARD BOLTS ARE TIGHT DAILY  
DO NOT RUN MACHINE WITHOUT GUARD**



## BELT GUARD PARTS LIST (Drawing No 300.1025.5)

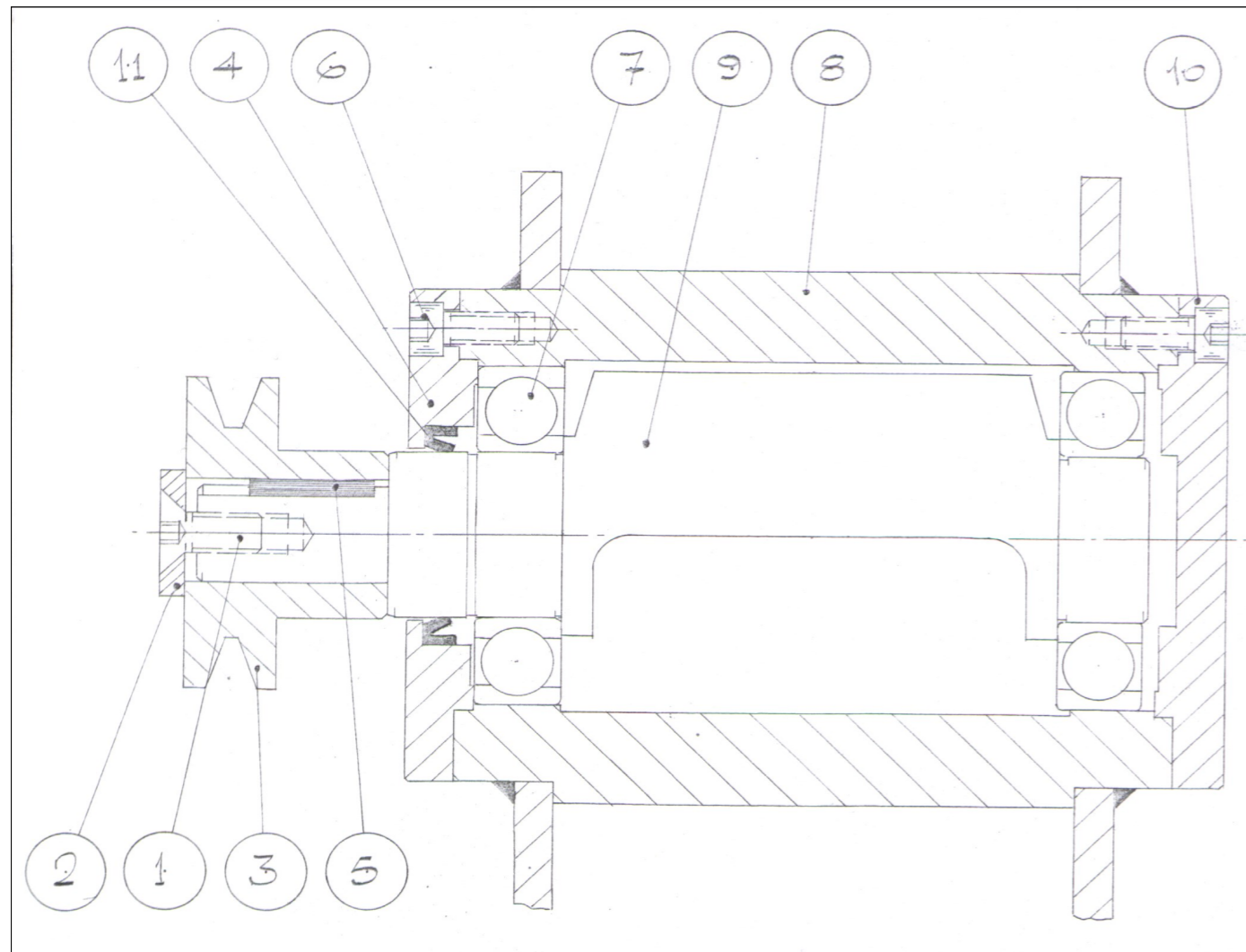
Item	Description	Qty	VPB300	VPB400
1	Belt Guard	1	305.1003.2	305.1003.2
2	Belt Guard Backplate	1	305.1004	305.1004
3	Socket Csk Screw M8 x 16 with Nylon Patch	4	982.1007.16E	982.1007.16E
3a	Countersunk Lock Washer M8	4	991.1110.8	991.1110.8
4	Hex Head Set Screw M8 x 45 with nylon Patch	3	998.1008.45E	998.1008.45E
5	Spring Washer M8	3	991.1020.8	991.1020.8
5a	Plain Washer M8	3	991.1002.8	991.1002.8
5b	Loctite Studlock	As Req.	902.1005.2	902.1005.2
6	Backplate Buffer	1	968.1003.10.	968.1003.10
7	Locknut M6	2	990.1020.6	990.1020.6

# VPB300/400 VIBRATING PLATE PARTS

## BASEPLATE AND EXCITER PARTS LIST (Drawing No 300.1025.2)

Clutch Assembly 5/8	0	312.1170	312.1170
Clutch Assembly 15mm	1	312.1170.15	312.1170.15
Clutch Assembly 3/4	1	312.1170.750	312.1170.750
Drive Belt SPZ 760	1	967.1010.760	967.1010.760
Anti Vibration Mount AV5030MM23-60 60 SHRD *	4	968.1004.2	968.1004.2
Anti Vibration Mount AV5030MM23-45 45SHRD	4	968.1004.1	968.1004.1
Lock Nut M8	8	990.1020.8	990.1020.8
Plain Washer M8	8	991.1002.8	991.1002.8
Spring Washer M8	8	991.1020.8	991.1020.8
Grease High Melting Point Mobil SHC100	1	902.1002.3	902.1002.3

## BASEPLATE AND EXCITER ILLUSTRATION



# VPB300/400 VIBRATING PLATE PARTS

## OPERATION

### START

#### 1 Oil Level Check

Top up to edge of oil filler opening with brand oil SAE 15W40, if when introducing the dip stick ( without screwing in), no oil is visible on the stick.

#### 2 Air Filter

Check cleanliness and good condition of air filter elements.  
If necessary, clean or replace elements.

#### 3 Fuel

Any type of normal petrol (preferably lead free) with an octane rating of at least 86 or more can be used.

Never use oil petrol mixtures or dirty petrol.

Avoid entry of dirt, dust or water into the fuel tank.

### STARTING

#### 1 Open the fuel tap.

#### 2 Close choke on the carburettor, and turn throttle control lever to 3/4 position of full power setting

#### 3 Turn on the ignition switch.

#### 4 Pull the starter grip lightly until resistance is met, then pull energetically. Let the starter handle return slowly back to the recoil

#### 5 Open the choke as soon as the engine has started. Let the engine warm up, running idle for a few moments.

#### 6 Turn the throttle control lever to full power setting. Do not let the engine run on intermediate throttle settings.

### TURNING THE ENGINE OFF

#### 1 Set throttle control lever to idling position.

#### 2 Turn off ignition switch

#### 3 Close the fuel tap



# VPB300/400 VIBRATING PLATE PARTS

## MAINTENANCE

### ENGINE MAINTENANCE

Refer to manufacturers engine handbook

### WEEKLY MAINTENANCE

- 1 Check V Belt Tension, tighten if necessary.
- 2 Check all securing screws and tighten as necessary
- 3 Grease all external moving parts such as transport wheels swivel.
- 4 Check belt guard is in good condition, the machine must not be used if the guard is damaged

## FAULT FINDING

The engine does not run, or does so irregularly

- Check fuel level
- Clean air filter
- Open fuel cock
- Check spark at spark plug

If all this fails refer to engine manual or engine dealer

No vibration, even though the engine is running

- Check V Belt for wear and replace if necessary
- Check clutch for wear and replace shoes if necessary

# VPB300/400 VIBRATING PLATE PARTS

## BASEPLATE AND EXCITER PARTS LIST (Drawing No 300.1025.2)

ITEM	DESCRIPTION	QTY	VPB300	VPB400
8	Baseplate	1	304.1058.300	304.1058.400
8a	Baseplate Sub Assembly	1	304.1058.301	304.1058.401
9	Exciter Shaft	1	307.1051	307.1051
9a	Exciter Shaft Spacer 53m x 32m x 3m (Early Production Only)	1	307.1051.100	307.1051.100
7	Bearing 6207RS C3	2	979.1000.200	979.1000.200
11	Oil Seal 35 x 50 x 7 Viton Element R4	1	978.1002.30	978.1002.30
4	End Plate (Pulley Side)	1	307.1054	307.1054
10	End Plate	1	307.1053	307.1053
6	Socket Head Cap Screw M6 x 16 with Nylon Patch	6	984.1007.16E	984.1007.16E
6a	Spring Washer M6	6	991.1020.6	991.1020.6
1	Socket Countersunk Screw M6 x 16 with Nylon Patch	1	982.1007.16E	982.1007.16E
5	Engineers Key 6 x 6 x25	1	976.1506.25	976.1506.25
3	Pulley	1	308.1002	308.1002
2	Washer	1	302.1004.8	302.1004.8
	Hex Head Set Screw M8 x 30	4	998.1008.30	998.1008.30
	Nylon Insert Nut M8	4	990.1001.8	990.1001.8
	Plain Washer M8	4	991.1002.8	991.1002.8
	Engine Honda G100 5/8" Shaft (Discontinued June 2003)	1	970.1031.10	970.1031.10
	Engine Honda GX100 5/8" Shaft (Introduced June 2003)		970.1031.18	970.1031.18
	Engine Robin EY08 5/8" Shaft	1	970.1032.6	970.1032.6
	Engine Robin EY08 3/4 "	1	970.1032.8	970.1032.8
	Engine Robin EH09 5/8	1	970.1032.6	970.1032.6
	Engine Loncin G100 5/8	1	970.1047.10	970.1047.10
	Engine Lianling FF152 15mm	1	970.1046.1	970.1046.1
	Engine Honda GX160 3/4	1	970.1031.5	970.1031.5
	Engine Deck	1	301.1005.1	301.1005.1
	Clutch Assembly ( Suco Early Machines only relaced by 312.1130)	1	312.1110	312.1110
	Clutch Assembly 5/8" keywayed bore	1	312.1130.625	312.1130.625
	Clutch Assembly 3/4" keywayed bore	1	312.1130.750	312.1130.750

\* 60 Shore Hardness fitted as Standard 45 May be more suitable for some applications