

Head Office
Vibco, Inc.

75 Stilson Road
Wyomomg, RI 02898
TEL. 800-633-0032
FAX. 401-539-2584



WWW.VIBCO.COM

Canadian Branch
Vibco Canada

2215 Dunwin Drive
Mississauga, Ontario L5L1X1
TEL. 905-828-4191
FAX. 905-828-5015

Operators Manual

**MODEL TP-2045 HIGH COMPACTION DIRT PLATE
COMPACTOR**

Engine Specs

<u>Standard</u>	<u>Optional</u>
Honda GX-240	Robin EY-28
Four cycle, gasoline, air cooled	Four cycle, gasoline, air cooled
Overhead valve, slant cylinder	Vertical cylinder
Dual element heavy-duty air cleaner	Heavy-duty air cleaner
8.0 Horsepower / 6.0 Kilowatts	7.5 Horsepower / 5.6 Kilowatts
3250 RPM	3250 RPM
Rewind starter	Rewind starter
Low oil alert system	Low oil alert system
Transistorized magneto ignition	Magneto ignition

Specifications

<u>Specification</u>	<u>English</u>	<u>Metric</u>
Weight	290 lbs	132 kg
Centrifugal Force	4500 lbs	20.0 kN
Specific Centrifugal Force	12.5 psi	86 kPa
Vibration Frequency	4200 VPM	70 hz
Compaction Depth	18"	46 cm
Contact Dimensions	19" width x 18" length	48 cm x 46 cm
Overall Width	20"	51 cm
Overall Length	24"	61 cm

Introduction

Vibco plate type compactors are used for compacting loose layers of soil or asphalt into load bearing surfaces. The vibration aligns the particles in the material being compacted in order to achieve maximum density, thus eliminating hollow spaces or cavities. They are successfully used for sandy, granular and partially cohesive materials, as well as for asphalt finishing. The main components of the compactors are; the base plate, vibratory element, engine plate, steering handle and a water tank on asphalt models. The vibrational force and forward motion of these machines is induced by rotation of an eccentrically weighted shaft. The water tank on asphalt models wets the plate and pavement surfaces appropriately to avoid the adhesion, which can occur with the asphalt surface.

Serial Number Location

Engine

When ordering replacement parts from the engine distributor, state the model, specification and serial number. Model and spec. numbers for both engines are located on the flywheel cover. Honda serial numbers are found on the front of the crankcase housing and the Robin serial numbers are located on the base of the engine.

Compactor

The Vibco model and serial numbers are mounted on the front of the engine plate. Furnish both numbers when corresponding with your authorized dealer.

Maintenance

Keep your machine clean!

Every 10 hours or daily

1. Periodically check bolts and nuts for tightness, especially in the period following initial operation.
2. Check engine oil daily.
3. Clear air filter periodically
4. Check and tighten element clamp screws with a torque wrench for 38-40 ft-lbs.

Every 50 hours or weekly

1. Check belt tension.
2. Change engine oil.
3. Check and tighten all nuts and bolts.
4. If water flow through the sprinkler pipe on asphalt units fails, clear pipe using carburetor cleaner.
5. Check vibrator element seal for leaks.

Operating Notes

- ◆ Before starting the machine, READ the engine-operating manual CAREFULLY.
- ◆ Remember to check the engine oil.
- ◆ The vibratory element is filled with 5 fluid ounces of SAE 90 EP gear lubricant, and is sealed at the factory. Note! Do not overfill the element if servicing, this can damage the unit extensively and may void the warranty.
- ◆ Unlock the handle by removing the pin and lowering the handle to the desired position. Reinsert the pin and the machine is ready to start.
- ◆ After warm up, move the control lever to full throttle position. The motor should run at 3250 RPM maximum. The clutch will automatically engage at approximately 1600 RPM, and vibration will begin. The unit will now begin to pull itself forward.
- ◆ Let compactor move on its own power, and guide it by the handle. For uphill compaction you may swing the handle over and pull the compactor slightly. Uneven or sloping terrain may cause the machine to slide sideways. The operator must then steer toward the rise thus causing the compactor to travel at an angle.
- ◆ Do not add fuel while the engine is running. Stop the engine, and if possible, allow a cooling period to prevent spilled fuel from igniting on contact with hot engine parts.
- ◆ ***Before*** making any adjustments, disconnect the spark plug cable to prevent unintentional starting.
- ◆ Make sure that the belt guard is securely bolted in place.
- ◆ REMEMBER a careful operator is always the best insurance against accidents.

Vibco, Inc. reserves the right to change and improve any parts or specifications without notice, and without incurring any obligation relating to such change.

TP-2045 Parts List

Item Number	Part Description	Part Number		Number Required
		Honda	Robin	
1	Baseplate	204010	-	1
2	Lock Washer	1/2LW	-	6
3	Hex Head Bolt	1/2-20X2-3/4HH	-	2
4	Set Screw	3/8-16X1/2SS	-	1
5	Bushing	204035	-	1
6	Sheave	204034	-	1
7	Retaining Ring	204030	-	2
8	C.R. Seal	9967	-	1
9	Bearing Housing (Open)	204032	-	1
10	O-Ring	204028	-	2
11	Bearing	204029	-	2
12	Eccentric Shaft	204031	-	1
13	Shaft Key	204033	-	1
14	Aluminum Housing	204026	-	1
15	Bearing Housing (Closed)	204027	-	1
16	Star Washer	1/2SW	-	4
17	Flat Head Cap Screw	1/2-20X1FHCS	-	4
18	Shock Absorber	204015	-	4
19	Sliding Flat	204012-1	204012-2	2
20	Hex Nut	1/2-20HN	-	4
21	Engine Plate	204013	-	1
22	Engine	GX-240	EY-28	1
23	Flat Washer	3/8FW	-	4
24	Lock Washer	3/8LW	-	8
25	Hex Head Bolt	3/8-16X1-3/4HH	-	4
26	Clutch Key	204017	-	1
27	Hex Head Bolt	3/8-16X2HH	-	2
28	Hex Nut	3/8-16HN	-	2
29	Hex Nut	1/2-13HN Grade 8	-	2
30	Flat Washer	9/16FW	-	2
31	Handle	204054	-	1
32	Handle Pin	122042	-	2
33	Shoulder Bolt	201140	-	2
34	Hex Head Bolt	M8X1.25X25mm	-	6
35	Lock Washer	5/16LW	-	6
36	Flat Washer	5/16FW	-	6
37	Hex Head Bolt	3/8-16X1 HH Grade 8	-	4
38	Clutch	204018-1	204018-2	1
39	Clutch Washer	201047	-	1
40	Flat Head Cap Screw	7/16-20X3/4FHCS	3/8-24X3/4FHCS	1
41	Belt	204059	204020	1
42	Outer Belt Guard	204058	204052	1
43	Inner Belt Guard	204056	204021	1
44	Element Complete	204040	-	1