COMPACT VIBRATOR PLATE
6.5 HP

OPERATING INSTRUCTIONS



PRODUCT SPECIFICATIONS

Item	Description
Operating Speed	0-82 Feet (0-25 Meters) Per Minute.
Maximum Shock Force	3,000 Pounds.
Vibration Frequency	5,500 Vibrations Per Minute.
Maximum Performance	350 m^2 /hr.
Engine Type	6.5 HP RT Model Number: 124432. 4 Stroke. Unleaded Gasoline Powered. Engine Approval: EPA - Phase 2. CA – Emissions 2006.
Plate Size	16-1/2” x 22”.
Overall Dimensions	34-1/2” L x 15-1/4” W x 35-3/8” H.
Weight	189 Pounds.

UNPACKING

When unpacking, check to make sure all the parts shown on the **Parts List on page 11** are included.

SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

GENERAL SAFETY PRECAUTIONS

⚠ WARNING!

READ AND UNDERSTAND ALL INSTRUCTIONS
Failure to follow all instructions listed in the following pages may result in electric shock, fire, and/or serious injury.
SAVE THESE INSTRUCTIONS

WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.

2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite flammables.

3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control. Protect others in the work area from debris such as chips and sparks. Provide barriers or shields as needed.

PERSONAL SAFETY

1. **Stay alert. Watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.

2. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.

3. **Avoid accidental starting. Be sure the Gasoline Engine Ignition Switch is off before transporting the Vibrator Plate or performing any maintenance or service on the unit.** Transporting or performing maintenance or service on a power tool with its Engine Ignition Switch on invites accidents.

4. **Remove adjusting keys or wrenches before turning on the tool.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

5. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.

6. **Use safety equipment. Always wear ANSI approved safety goggles underneath a full face shield, a dust mask or respirator, hearing protection and heavy duty work boots.**

TOOL USE AND CARE

1. **Do not force the tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.

2. **Do not use the power tool if the Engine Ignition Switch does not turn it on or off.** Any gasoline powered tool that cannot be controlled with the Engine Ignition Switch is dangerous and must be replaced.

3. **Disconnect the Engine Spark Plug Wire from the Spark Plug before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.

4. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.

5. **Maintain tools with care.** Do not use a damaged tool. Tag damaged tools "Do not use" until repaired.

6. **Check for misalignment or binding of moving parts, breakage of parts, cracking or breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.

7. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool may become hazardous when used on another tool.

SERVICE

1. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.

2. **When servicing a tool, use only identical replacement parts. Follow instructions in the *"Inspection, Maintenance, And Cleaning"* section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of injury.

SPECIFIC SAFETY PRECAUTIONS

1. **Maintain labels and nameplates on the Vibrator Plate.** These carry important information.

2. ⚠ **CAUTION! To avoid injury, keep hands, fingers, and feet away from the Compactor Base (27).** Grip the Upper Handle (46) of the Vibrator Plate *firmly* with both hands. If both hands are holding the Handle and your feet are clear of the Compactor Base, your hands, fingers, and feet cannot be injured by the Compactor Base. Never place tools under the Compact Vibrator Plate.

3. **Always use recommended replacement parts.Servicing should be done by** a qualified service technician.

4. **Use safety equipment. Always wear ANSI approved safety goggles underneath a full face shield, a dust mask or respirator, and hearing protection.**

5. **Industrial applications must follow OSHA requirements.**

6. **Keep all spectators at least six feet from the Compact Vibrator Plate during operation.**

7. **It is recommended that the Vibrator Plate be used only in well ventilated outdoor areas. Carbon monoxide fumes are a colorless, odorless gas that, if inhaled, can cause serious injury or death.** If the Vibrator Plate is used in enclosed spaces, the Engine exhaust fumes must be piped out of the enclosed space using leak-free, heat-resistant piping. The pipes should not use any flammable materials, nor should they be installed near the same. Engine exhaust fumes must be within legal limits.

8. **Only use a suitable means of transport and lifting devices with sufficient weight bearing capacity when transporting the Compact Vibrator Plate.** Only use sturdy loading ramps with sufficient weight bearing capacity. Secure the Vibrator Plate on transport vehicles to prevent the tool from rolling, slipping, and tilting.

9. **Never leave the Compact Vibrator Plate unattended while it is running.**

10. **Always keep a safe distance away from the edges and banks of ditches and avoid any actions that may cause the Vibrator Plate from toppling over.**

11. **Always ascend slopes carefully in a direct path.**

12. **Reverse up steep slopes to prevent the Vibrator Plate from toppling over onto the operator.**

13. **When performing compacting work in the vicinity of buildings or above pipelines, make sure to check the affect of the vibrations on the buildings and pipelines.** If necessary, immediately stop the compacting work.

14. **Always park the Vibrator Plate on a firm and level surface.**

FIRE AND EXPLOSION PRECAUTIONS

1. **Gasoline fuel and fumes are flammable, and potentially explosive. Use**

proper fuel storage and handling procedures. Always have multiple ABC class fire extinguishers nearby.

2. **Keep the Vibrator Plate and surrounding area clean at all times.**

3. **When spills of fuel or oil occur, they must be cleaned up immediately.** Dispose of fluids and cleaning materials as per any local, state, or federal codes and regulations. Store oil rags in a covered metal container.

4. **Never store fuel or other flammable materials near the Vibrator Plate.**

5. **Do not smoke, or allow sparks, flames or other sources of ignition around the Engine and Fuel Tank. Fuel vapors are explosive.**

6. **Keep grounded conductive objects, such as tools, away from exposed, live electrical parts and connections to avoid sparking or arcing.** These events could ignite fumes or vapors.

7. **Do not refill the Fuel Tank while the Engine is running or while the Engine is still hot. Do not operate the Vibrator Plate with known leaks in the fuel system.**

8. **Excessive buildup of unburned fuel gases in the exhaust system can create a potentially explosive condition. This buildup can occur after repeated failed start attempts, valve testing, or hot engine shutdown.** If this occurs, open exhaust system drain plugs, if equipped, and allow the gases to dissipate before attempting to restart the Engine.

9. **Always check the Engine oil level prior to starting the Engine.** Make sure to read and understand the *Engine Owner's Manual* for the proper oil level and oil change schedules.

10. **Use *only* engine manufacturer recommended fuel and oil.** Refer to the *Engine Owner's Manual* for further instructions.

MECHANICAL PRECAUTIONS

1. **<u>ALWAYS</u> make sure the Engine's Power Switch is in its "OFF" position. Disconnect the spark plug wire, and allow the Engine to completely cool before carrying out maintenance.**

2. **Check for damaged parts.** Before using the Vibrator Plate, any part that appears damaged should be carefully checked to determine that it will operate

properly and perform its intended function. Check for alignment and binding of moving parts, any broken parts or mounting fixtures, and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.

3. **Make sure to read and understand all instructions and safety precautions as outlined in the Engine manufacturer's Owner's Manual.** Do not attempt to operate the Vibrator Plate until you fully understand how to properly operate and maintain the Engine and how to avoid accidental injuries and/or property damage.

4. **Do not alter or adjust any part of the Vibrator Plate that is assembled and supplied by the manufacturer.**

5. **Always follow and complete scheduled Engine and Vibrator Plate maintenance.**

BURN AND CHEMICAL PRECAUTIONS

1. **Avoid contact with hot fuel, oil, exhaust fumes, and hot solid surfaces.**

2. **Avoid body contact with fuels, oils, and lubricants used in the Engine. If swallowed, seek medical treatment immediately.** Do not induce vomiting if fuel is swallowed. For skin contact, immediately wash with soap and water. For eye contact, immediately flush eyes with clean water.

NOISE PRECAUTIONS

1. **Prolonged exposure to noise levels above 85 dBA is hazardous to hearing.** Always wear ANSI approved ear protection when operating or working around the Vibrator Plate when it is running.

HEART PACEMAKER WARNING

1. **WARNING!** People with pacemakers should consult their physician(s) before using this product. Electromagnetic fields in close proximity to a heart pacemaker could cause interference to or failure of the pacemaker.

CALIFORNIA PROPOSITION 65 WARNINGS

1. **WARNING!** Operation of this Vibrator Plate and/or Engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.
(California Health & Safety Code 25249.5, et seq.)

2. **WARNING!** Some dust created by compacting materials, power sanding, sawing, grinding, drilling, and other construction activities, contain chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are: lead from lead-based paints, crystalline silica from bricks and cement or other masonry products, arsenic and chromium from chemically treated lumber. Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.
(California Health & Safety Code 25249.5, et seq.)

OWNER/OPERATOR WARNING

1. **WARNING!** The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

OPERATING INSTRUCTIONS

NOTE: For additional references to the parts listed in the following pages, refer to the **Assembly Diagram on page 12.**

Handle Setup:

1. Loosen the Knob (47) on each side of the Upper Handle (46).

2. Swing the Upper Handle until it points straight out from the Lower Handle (14). Tighten both Knobs (47) securely.

3. Make sure that the Upper Handle (46) is **FIRMLY** attached to the unit BEFORE use.

Pre-Start Checks:

1. Check to make sure the Engine's Power Switch is in its **"OFF"** position.

2. **IMPORTANT ! Prior to first using the Vibrator Plate, the Engine MUST be filled with approximately 3/4 (0.6) quart of a high quality SAE 10W-30 grade engine oil.** To do so, unscrew and remove the Engine's Oil Fill Plug located at the bottom of the Engine Crankcase. Fill the Engine's Crankcase until the oil level is level with the Oil Fill Hole. Then, screw the Oil Fill Plug back into the Oil Fill Hole. **(For additional information, refer to the engine manufacturer's manual.)**

3. Before the first use, remove the Engine's Fuel Tank Cap and fill the Fuel Tank with *unleaded* gasoline. Then, replace the Fuel Tank Cap. Thereafter, check the Fuel Tank for the amount of unleaded gasoline. Refill the Fuel Tank *only* with unleaded gasoline.

To Start And Operate The Vibrator Plate:

1. Open the Fuel Valve on the Engine.

2. Turn the Choke Lever on the Engine to its **"CHOKE"** position.

3. Set the Speed Control Lever (19) to its **"LOW"** position.

4. Turn the Engine's Power Switch to its **"ON"** position.

5. Hold the Start Handle of the Engine loosely and pull it slowly several times to allow the gasoline to flow into the Engine's carburetor. Then hold the Start Handle firmly and pull the rope hard and fast. Pull the rope all the way out, using two hands if necessary. If necessary, pull the rope several times until the Engine starts.

6. Allow the Engine to run for several seconds. Then, turn the Choke Lever to its **"RUN"** position.

7. Grip the Upper Handle (46) *firmly* with both hands.

8. Depending on the desired speed at which the Vibrator Plate will vibrate, adjust the Speed Control Lever (19) between its **"LOW"** to **"HIGH"** position.

9. Slowly push or pull the Vibrator Plate while guiding the tool in the desired direction.

10. Always keep a safe distance away from the edges and banks of ditches and avoid any actions that may cause the Vibrator Plate from toppling over.

11. Always ascend slopes carefully in a direct path. Reverse up slopes to prevent the Vibrator Plate from toppling over onto the operator.

To Stop The Vibrator Plate:

1. Turn the Speed Control Lever (19) to its **"LOW"** position.
2. Turn the Engine's Power Switch to its **"OFF"** position.
3. Close the Fuel Valve on the Engine.
4. **NOTE: Always park the Vibrator Plate on a firm and level surface.**

INSPECTION, MAINTENANCE, AND CLEANING

1. **CAUTION! Always make sure the Engine's Power Switch is in its "OFF" position. Disconnect the spark plug wire from the engine. And allow sufficient time for the Engine to completely cool before performing any inspection, maintenance, or cleaning on the Vibrator Plate and/or Engine.**
2. **Before each use,** inspect the general condition of the Vibrator Plate. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, and any other condition that may affect its safe operation. If an Engine problem occurs, always have the Engine immediately checked out by a *qualified service technician* before further use.
   Do not use damaged equipment.
3. **Before each use,** check to make sure the Engine's oil level is adequate. If necessary, fill the Engine's Crankcase until the oil level is even with the Oil Fill Hole.
4. **Before each use,** With a soft brush, vacuum, or compressed air, remove all debris from the Vibrator Plate. Then, use a premium quality, lightweight machine oil to lubricate all moving parts.
5. **Every 25 hours of use,** drain the old Engine oil and replace with approximately 3/4 (0.6) quart of a high quality SAE 10W-30 grade engine oil. **Make sure to contact a local environmental or recycling center for proper disposal of old oil.**
6. **Every 300 hours of use,** have a *qualified, certified technician* perform thorough maintenance on the Vibrator Plate and its Engine.
7. The Knobs (47) can be loosened and the Upper Handle (46) folded down to aid in storage.
8. The Grease Bearing (33) must be greased through the grease port every 250 hours.

PLEASE READ THE FOLLOWING CAREFULLY

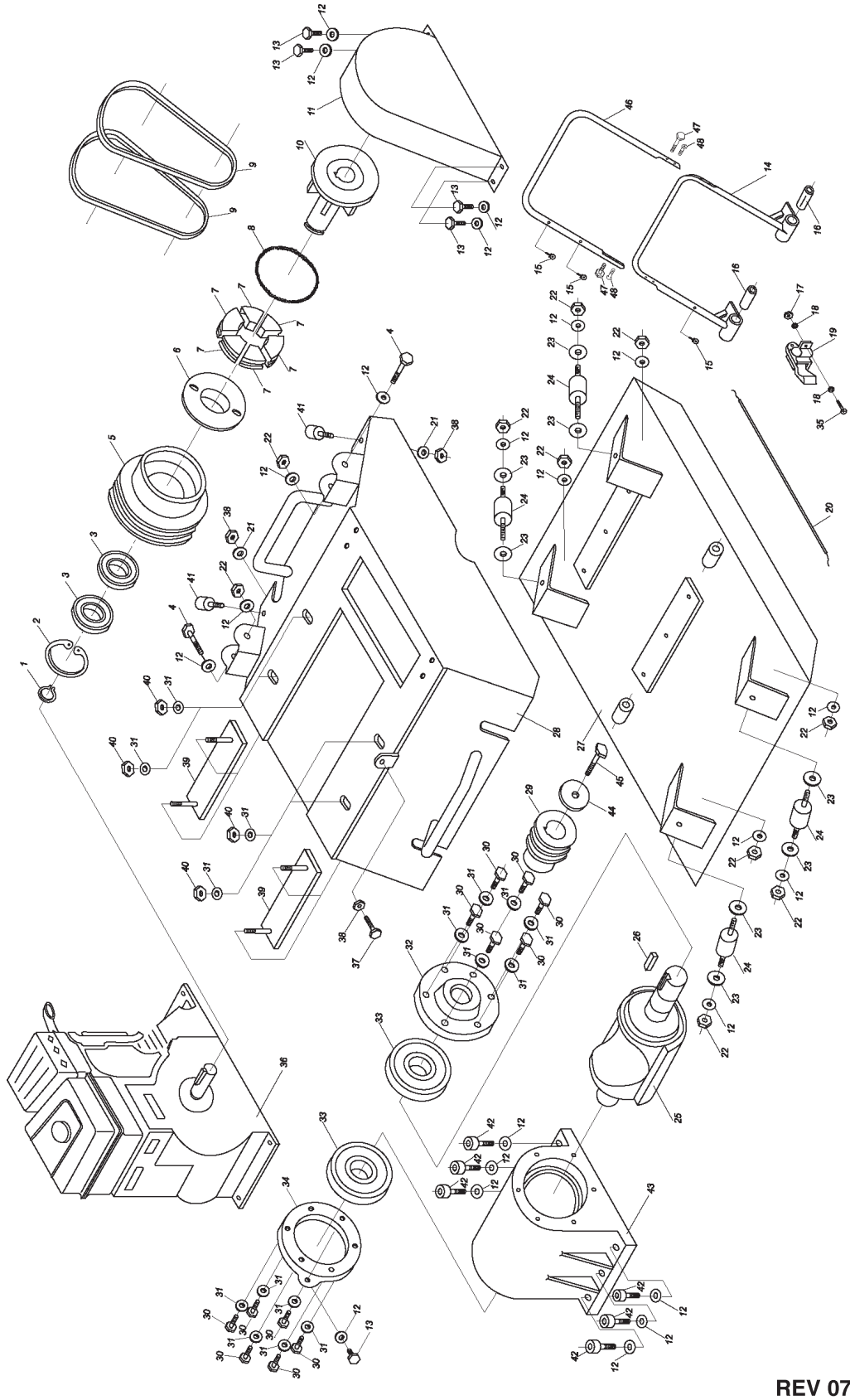
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PARTS LIST

Part #	Description	Qty.	Part #	Description	Qty.
1	Shaft Circlip	1	25	Eccentric Shaft	1
2	Hole Circlip	2	26	Flat Pin	1
3	Ball Bearing (106)	2	27	Compactor Base	1
4	Bolt (M12x60)	2	28	Base Cover	1
5	Drive Pulley	1	29	Driven Pulley	1
6	Cover	1	30	Bolt (M8x25)	12
7	Friction Block	6	31	Washer (8)	16
8	Spring	1	32	Bearing Cover (2)	1
9	Cone Belt	2	33	Bearing (308)	2
10	Flap Wheel	1	34	Bearing Cover (1)	1
11	Pulley Cover	1	35	Screw	1
12	Washer (12)	23	36	Gas Engine	1
13	Bolt (M12x12)	4	37	Bolt (M10x45)	1
14	Lower Handle	1	38	Nut (M10)	1
15	Screw	3	39	Connecting Plate	2
16	Rubber Sleeve	2	40	Nut (M8)	4
17	Nut (M)	1	41	Single Threaded Rubber Shaft	2
18	Washer	2	42	Inner Hex Screw	6
19	Speed Control Lever	1	43	Bearing Housing	1
20	Flexible Shaft	1	44	Stopper Plate	1
21	Washer (10)	2	45	Bolt (M12x40)	1
22	Nut (M12)	10	46	Handle (upper)	1
23	Spacer Plate	8	47	Knob	2
24	Double Threaded Rubber Shaft	4	48	Bolt (M8x40)	2

NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

ASSEMBLY DIAGRAM



NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.