



Plate Compactor



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IMPORTANT:

Your new tool has been engineered and manufactured to WEN's highest standards for dependability, ease of operation, and operator safety. When properly cared for, this product will supply you years of rugged, trouble-free performance. Pay close attention to the rules for safe operation, warnings, and cautions. If you use your tool properly and for intended purpose, you will enjoy years of safe, reliable service.

NEED HELP? CONTACT US!

Have product questions? Need technical support?
Please feel free to contact us at:

 **800-232-1195** (M-F 8AM-5PM CST)

 **techsupport@wenproducts.com**

 **WENPRODUCTS.COM**

NOTICE: Please refer to wenproducts.com for the most up-to-date instruction manual.

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IDENTIFICATION

If assistance for information or service is required, please contact the Customer Service Help Line by calling 800-232-1195; customer will be asked to provide the following information when calling.

Record information in the spaces provided below and make sure to save your original purchase receipt.

MODEL NUMBERS: 56035, 56035T

DATE OF PURCHASE: _____

PURCHASED FROM: _____

ENGINE SERIAL NUMBER: _____

SERVICE RECORD

Record Service Dates:

	Date	Date	Date	Date	Date	Date
Change Oil						
Change Spark Plug						
Clean Fuel Tank						
Clean Air Filter						

NOTE: WE SUGGEST RUNNING YOUR PLATE COMPACTOR AT LEAST ONCE A MONTH IN ORDER TO MAXIMIZE THE LIFESPAN OF THE PLATE COMPACTOR

SPECIFICATIONS

Engine	212cc, 4 Stroke
Compaction Force	4496 lbs.
Plate Size	24 x 18 in.
Forward Travel	Up to 82 Feet per Minute
Vibrations per Minute	5400
Dimensions	25 x 18.5 x 27.5 in.
Weight	207 lbs.
Compaction Pressure	1498.66 lb/ft ²

Engine Type	4 stroke, OHV, single cylinder with forced air cooling system
Spark Plug Gap	0.6 - 0.8 mm (0.023 - 0.031 in)
Ignition System	Non-contact transistor
Displacement	212cc
Fuel Tank Capacity	1 Gallon
Engine Oil Capacity	20 fl. oz (0.6 L)
Spark Plug	F6TC

NOTE: To prevent pavers from breaking or marring, we recommend using the WEN 56035-047 Construction Zone Plate Compactor Pad.

INTRODUCTION

Thank you for purchasing a WEN Plate Compactor. This manual provides information regarding the safe operation and maintenance of this product. Every effort has been made to ensure the accuracy of the information in this manual. WEN reserves the right to change this product, manual and specifications at any time without notice.

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



This manual contains special messages to bring attention to potential safety concerns as well as helpful operating and servicing information. Please read all the information carefully to avoid personal injury and machine damage.

QUESTIONS? PROBLEMS?

In order to answer questions and solve problems in the most efficient and speedy manner, contact Customer Service at (800) 232-1195, M-F 8-5 CST or email techsupport@wenproducts.com.

NOTICE REGARDING EMISSIONS

Engines certified to comply with U.S. EPA emission regulations for SORE (Small Off Road Equipment) can be operated on regular unleaded gasoline and may include the following emission control systems: (EM) Engine Modifications and (TWC) Three-Way Catalyst (if so equipped).

SAFETY INFORMATION

Before operating this plate compactor read and observe all warnings, cautions, and instructions both on the labels and in this owner's manual.

NOTE: The following safety information is not meant to cover all possible conditions and situations that may occur.

This safety alert symbol is used to identify safety information about hazards that can result in personal injury.



A signal word (**DANGER**, **WARNING**, or **CAUTION**) is used with the alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.

DANGER indicates a hazard, which, if not avoided, will result in death or serious injury.

WARNING indicates a hazard, which, if not avoided, could result in death or serious injury.

CAUTION indicates a hazard, which, if not avoided, might result in minor or moderate injury.

CAUTION when used without the alert symbol, indicates a situation that could result in damage to the engine or plate compactor.

SAFETY INFORMATION

For any questions regarding the hazard and safety notices listed in this manual or on the product, please call (800) 232-1195 M-F 8-5 CST before using the plate compactor.



DANGER: CARBON MONOXIDE

Using a plate compactor indoors **CAN KILL YOU IN MINUTES**. Engine exhaust contains carbon monoxide (CO). This is a poison gas you cannot see or smell. If you can smell the engine exhaust, you are breathing CO. But even if you cannot smell the exhaust, you could be breathing CO.

NEVER use a plate compactor inside homes, garages, crawl spaces, or other partially/fully enclosed areas. Deadly levels of carbon monoxide can build up in these areas. Using a fan or opening windows and doors does **NOT** supply enough fresh air. **ONLY** use outside and far away from windows, doors, and vents. These openings can pull in engine exhaust.

Even if you use an engine correctly, CO may leak into the home. **ALWAYS** use a battery-powered or battery-backup CO alarm in the home. If you start to feel sick, dizzy, or weak after the engine has been running, move to fresh air **RIGHT AWAY**. See a doctor. You may have carbon monoxide poisoning.



WARNING: The exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.



WARNING: This engine may emit highly flammable and explosive gasoline vapors, which can cause severe burns or even death if ignited. A nearby open flame can lead to explosion even if it isn't directly in contact with gasoline.

SAFETY RULES:

- 1) Do not operate near open flame.
- 2) Do not smoke near the plate compactor.
- 3) Always turn the plate compactor off before refueling. Allow it to cool for at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve pressure in tank.
- 4) Do not overfill fuel tank. Gasoline may expand during operation. Do not fill to the top of the tank. Allow for expansion.
- 5) Always check for spilled fuel before operating.
- 6) Empty fuel tank before storing or transporting the plate compactor.
- 7) Do not use in rainy conditions.
- 8) Do not allow children or non-qualified persons to operate the plate compactor.
- 9) Do not touch hot surfaces. Pay attention to warning labels on the machine identifying hot parts.
- 10) Allow unit to cool down after use before touching engine or areas of the plate compactor that become hot during use.

SAFETY INFORMATION

- 11) Only use the plate compactor for its intended purposes.
- 12) Operate only on dry, level surfaces.
- 13) Turn the engine switch to “OFF” position when the engine is not running.
- 14) Do not operate or service this machine before reading the entire manual.
- 15) Never operate this equipment without proper protective clothing, shatterproof ANSI-approved glasses, steel-toed boots, and other protective job site devices.
- 16) Never operate this equipment while under the influence of drugs or alcohol or while feeling fatigued or ill.
- 17) Always check the machine for loosened threads or bolts before starting.
- 18) Always wear proper respiratory, hearing and eye protection during operation.
- 19) Manufacturer does not assume responsibility for any accident due to equipment modifications and will also void the warranty.
- 20) Never use accessories or attachments that are not recommended by WEN for this model of plate compactor.
- 21) DO NOT add fuel to the plate compactor if it is placed on top of a plastic surface such as a pickup truck bed with a plastic liner. This creates the possibility of ignition or explosion due to static electricity buildup.
- 22) Always refuel in well-ventilated areas. Never operate near open flames, sparks or any other item that could cause the fumes of the gasoline to ignite.
- 23) Before performing compacting work near buildings or above pipelines, check the effect of the vibrations on the buildings and pipelines. If necessary, immediately stop the compacting work.

CAUTION: Misuse of this unit can damage it or shorten its life.



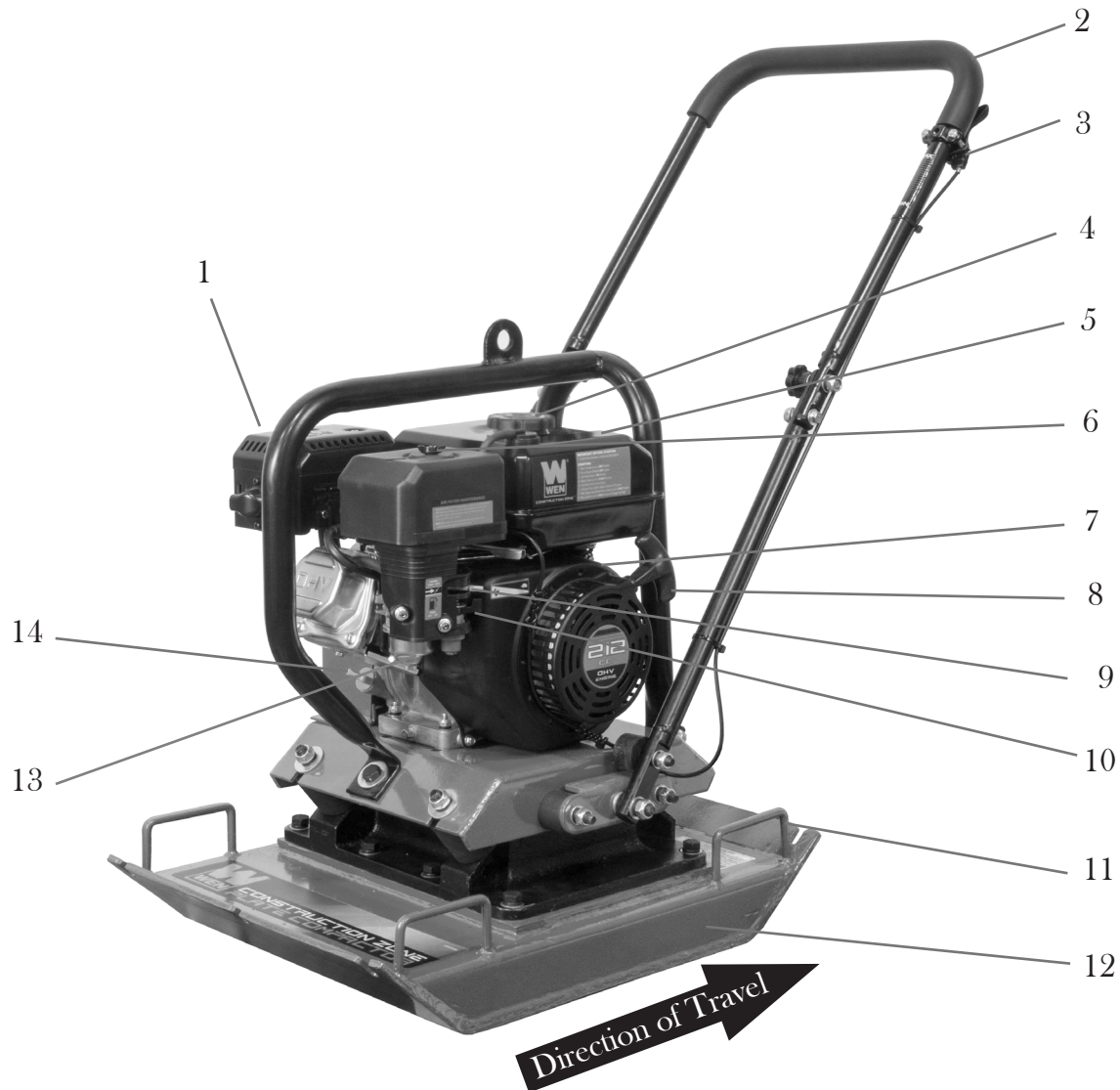
WARNING: This unit produces heat when running. Temperatures near exhaust can exceed 150° F (65° C).

SAVE THESE INSTRUCTIONS – This manual contains important instructions for the WEN Plate Compactor that should be followed during installation and maintenance. If items are damaged, have them repaired or replaced as necessary. Do not operate if you notice signs of damage such as broken or cracked insulation.

NOTE: We suggest running your engine at least once a month in order to maximize the lifespan of the plate compactor.

KNOW YOUR PLATE COMPACTOR

Use the illustration below to become familiar with the locations and functions of the various components and controls of this plate compactor.



1. Muffler

2. Handle

3. Throttle

4. Gas Tank Cap

5. Gas Tank

6. Air Cleaner

7. Engine Switch

8. Recoil Starter Handle

9. Choke

10. Fuel Valve

11. Lifting Handle

12. Base

13. Carburetor

14. Oil Cap

ASSEMBLY

In order to best protect the plate compactor while in the package, this product comes with some components disassembled. Please complete the following assembly step before proceeding to use the plate compactor.

If after reading this section, you are unsure about how to perform any of the steps, please call 800-232-1195 (M-F 8-5 CST)



WARNING: This plate compactor is heavy. Some procedures may require lifting equipment or two people.

HANDLE ASSEMBLY:

The Plate Compactor is shipped with the lower handle already assembled and attached to the plate.

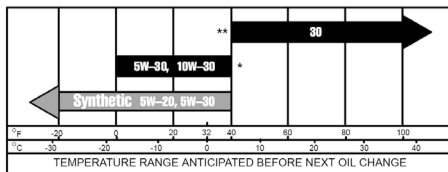
To complete the handle assembly, loosen the knobs in the middle of the handle and swing the upper handle into place.

Next, insert the bolt, washer and nut into the hole directly above the plastic knob. Tighten the nut and the plastic knob.

Repeat the process on the other side of the handle.

PREPARATION

ENGINE OIL RECOMMENDATIONS



CAUTION: Air cooled engines run hotter than automotive engines. The use of non-synthetic multi-viscosity oils (5W-30, 10W-30, etc.) in temperatures above 40° F will result in higher than normal oil consumption. When using a multi-viscosity oil, check the oil level more frequently than you would otherwise.

Fig. 1

STEP 1 - FILL OIL:

The plate compactor is shipped without oil. User must add the proper amount of oil before operating the plate compactor for the first time. The oil capacity of the engine crankcase is 20 fl. oz (0.6 L).

Select good quality detergent oil bearing the American Petroleum Institute (API) service classifications SJ, SL, or SM (synthetic oils may be used). Use the ASE viscosity grade of oil from the following chart (Fig. 1) that matches the starting temperature anticipated before the next oil changes.

FILLING CRANKCASE WITH OIL:

1. Make sure the plate compactor is on a level surface. Tilting the plate compactor to assist in filling will cause oil to flow into engine areas and will cause damage. **Keep plate compactor level!**
2. Remove the oil filler/dipstick cap (Fig. 2 - 1) from the engine.
3. Using a funnel, add the appropriate type and amount of oil into the crankcase. The crankcase is full when the oil level has reached the second thread from the lip of the opening (Fig. 3, next page).
4. Check for oil leaks. Reinstall oil filler cap before starting engine.

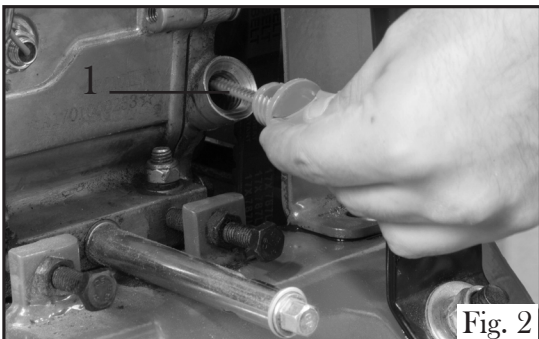


Fig. 2



WARNING: This plate compactor may emit highly flammable and explosive gasoline vapors, which can cause severe burns or even death if ignited. A nearby open flame can lead to explosion even if not directly in contact with gasoline.

PREPARATION

STEP 2 - ADD GASOLINE:

Use fresh (within 30 days from purchase), lead-free gasoline with a minimum of 87 octane rating. Do not mix oil with gasoline.

1. Make sure the plate compactor is on a level surface.

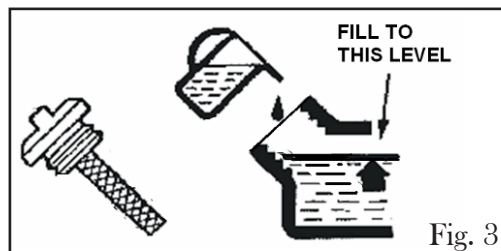
2. Unscrew fuel cap and set aside.

NOTE: The fuel cap may be tight and hard to unscrew.

3. Slowly add unleaded gasoline to the fuel tank. Be careful not to overfill. The capacity of the fuel tank is 1 gallon.

NOTE: Do not fill the fuel tank to the very top. Gasoline will expand and spill over during use even with the fuel cap in place.

4. Reinstall the fuel cap and wipe clean any spilled gasoline with a dry cloth.



- Never use an oil/gasoline mixture.
- Never use gasoline over 30 days old.
- Avoid getting dirt or water into the fuel tank.
- Gasoline can age in the tank and make starting difficult. Never store plate compactor for extended periods of time with fuel in the tank.

STEP 3 - CHECK FOR LOOSE PARTS

Before using the plate compactor, always check for broken or loose parts. Any screw, bolt or nut runs the risk of loosening due to the vibratory nature of this machine. Always make sure to properly tighten these types of parts prior to operation to best prevent injury. Remove dirt and dust, particularly around the area of the recoil starter and the foot of the machine.

OPERATION

Before starting the plate compactor, make sure you have read and performed the steps in the “Preparation” section of this manual. If you are unsure about how to perform any of the steps or questions regarding the hazard and safety notices listed in this manual please call (800) 232-1195 M-F 8-5 CST for customer service.



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Even if you use an engine correctly, CO may leak into the home. **ALWAYS** use a battery-powered or battery-backup CO alarm in the home. If you start to feel sick, dizzy, or weak after the engine has been running, move to fresh air **RIGHT AWAY**. See a doctor. You may have carbon monoxide poisoning.



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OPERATION

STARTING THE PLATE COMPACTOR:

1. Check the oil and fuel levels.
2. Turn the fuel valve to the “ON” position.
3. Move the choke lever to the “START” position.
4. Set the engine switch to the “ON” position.
5. Move throttle lever to “MIN” position.
6. Pull on the recoil starter handle slowly until a slight resistance is felt. Then pull quickly to start the engine. Return cord gently into the machine. Never allow the cord to snap back.
7. If engine fails to start, repeat steps 1 through 6.

NOTE: After repeated failed attempts to start the engine, please consult the troubleshooting guide before attempting again. If problems persist, please call 800-232-1195 (M-F 8-5 CST).

8. Once the engine has started, slowly return the choke lever all the way to the “OPEN” position.
9. Allow the plate compactor to run for several minutes before increasing the speed using the throttle.
10. Move throttle lever to “MAX” position to engage the plate.

This plate compactor is designed for compacting loose, granular soils, gravel, and paving stones. It is intended to be used in confined areas and areas next to structures such as walls, curbs, and foundations.

This plate compactor is not recommended for compacting cohesive soils with heavy clay content.

Run the engine at full throttle and allow the plate to pull itself along at its normal speed. When operating on an incline it may be necessary to assist the plate by pushing it forward slightly. When operating downhill, hold the plate back slightly if it begins to pick up speed. Depending on the material being compacted, three or four passes are recommended to achieve the best compaction.

While a certain amount of moisture in the soil is necessary, excessive moisture may cause soil particles to stick together and prevent good compaction. If soil is extremely wet, allow it to dry somewhat before compacting.

If the soil is so dry that it creates dust clouds during operation, some moisture should be added to the ground material to improve compaction. This will also reduce service to the air filter. For compacting asphalt, use a water tank to wet the asphalt and the underside of plate. This will prevent asphalt material from sticking and reduce the frequency of needing to service the air filter. Two passes are usually sufficient enough to ensure good compaction. When using the plate on paving stones, attach a pad to the bottom of the plate to prevent chipping or grinding surface of stones. A special polyurethane pad (Item # 56035-047) designed for this purpose is available as an optional accessory and can be purchased at www.wenproducts.com or by calling 800-232-1195 (M-F 8-5 CST).



WARNING: DO NOT operate the plate on concrete or on extremely hard, dry, compacted surfaces. The plate will jump rather than vibrate and could damage both the plate and the engine.

OPERATION

Grip the handle firmly with both hands. To avoid injury, keep hands, fingers, and feet away from the compactor base. Grip the handle of the compactor 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 plate. Adjust the throttle lever between its “MIN” to “MAX” position, depending on the desired vibration speed.

IMPORTANT: The plate compactor should not be used for more than two hours at a time without any breaks to cool down, as the heat of operation may cause the lubricant in the bearings to liquefy, which could leak out and cause significant problems.

The handle can be adjusted to both sides to aid in turnarounds in tight spaces, but the compactor only travels in the direction shown in the “Know Your Plate Compactor” section (Page 7).

Always keep a safe distance away from the edge of ditches and avoid any actions that may cause the plate compactor to topple over.

Always ascend slopes carefully in a direct path. Back up slopes to prevent the plate compactor from toppling back onto the operator.

IMPORTANT: At this point the user should be familiar with the procedures. If the user has not yet read the previous sections, go back and read it now.

STEP 1 - CHECK THE OIL:

Oil consumption is normal during plate compactor usage. The plate compactor is equipped with a low-oil shutoff to protect it from damage. The oil level in the engine should be checked before each use to ensure that the engine crankcase contains sufficient lubricant. If oil level is low, refer back to the “Preparation” section (Page 8).

STEP 2 – CHECK THE FUEL LEVEL:

Before starting the plate compactor, check to see that there is sufficient gasoline in the fuel tank. The fuel gauge on top of the plate compactor will indicate the fuel level in the tank. Add gasoline if necessary but leave sufficient room in tank for expansion. If gasoline is low, refer back to the “Preparation” section (Page 9).



WARNING: This plate compactor may emit highly flammable and explosive gasoline vapors, which can cause severe burns or even death if ignited. A nearby open flame can lead to explosion even if not directly in contact with fuel.

- Do not operate near open flame. Do not smoke near plate compactor.
- Always operate on a firm, level surface.
- Always turn engine off before refueling. Allow engine to cool for at least 2 minutes before removing fuel cap.

Loosen cap slowly to relieve pressure in tank.

- Do not overfill fuel tank. Gasoline may expand during operation. Do not fill to the top of the tank.
- Always check for spilled fuel before operation. Clean up any spilled fuel before starting.
- Empty fuel tank before storing or transporting the plate compactor.
- Before transporting, turn the fuel valve off and disconnect spark plug boot.
- Use only **UNLEADED** gasoline with an octane rating of 87 or higher.
- Do not use old gasoline.
- Never use an oil/gasoline mixture.
- Avoid letting dirt or water into the fuel tank.

OPERATION

STOPPING THE PLATE COMPACTOR:

1. Move handle lever to “MIN” position to disengage the compactor.
2. Turn the engine switch to the “OFF” position.
3. Turn the fuel valve to the “OFF” position.

FOR EMERGENCY SHUTDOWNS, move the throttle to the idle position and turn the engine switch OFF.



WARNING: Allow the unit to cool for several minutes before touching areas that become hot during use.

CAUTION: Allowing gasoline to sit in the fuel tank for long periods of time can make it difficult to start the plate compactor in the future. Never store the plate compactor for over two weeks with fuel in the fuel tank. If sitting more than a month, drain the carburetor.

MAINTENANCE

Proper routine maintenance will help prolong the life of the machine. Please perform maintenance checks according to the schedule below. If there are any questions about the maintenance procedures listed in this manual, please call (800) 232-1195 M-F 8-5CT. It is best practice to drain your carburetor after every use. Always drain before storage. Do not store the plate compactor with fuel inside the tank for more than 2 weeks. This will cause the carburetor to clog and will need to be disassembled and cleaned before the next use. Run the plate compactor for 15 minutes a month to maximize its lifespan. Refer to the next page for drainage procedures.

CAUTION: Never perform maintenance operations while the plate compactor is running.

Fig. 4 Recommended Maintenance Schedule (Clean more as necessary)		Each Use	First Month, then Every 20 Hours	Every 3 Months or 50 Hours	Every 6 Months or 100 Hours	Every Year or 300 Hours
Engine Oil	Check level	x				
	Replace		x	x		
Air Cleaner	Check	x				
	Clean			x		
Spark plug	Check/clean				x	
Fuel tank	Check level	x				
	Clean					x

CLEANING THE PLATE COMPACTOR:

Never clean the plate compactor when it is running! If the plate compactor becomes dirty, clean the exterior with a damp cloth, a soft brush, or vacuum/pressurized air.

CHECKING THE OIL:

Check the oil level of the engine according to the Recommended Maintenance Schedule (Fig. 4). The engine is equipped with an automatic shutoff to protect it from running with low oil pressure. The engine should be checked before each use for proper oil level. This is a critical step for proper engine maintenance.

MAINTENANCE

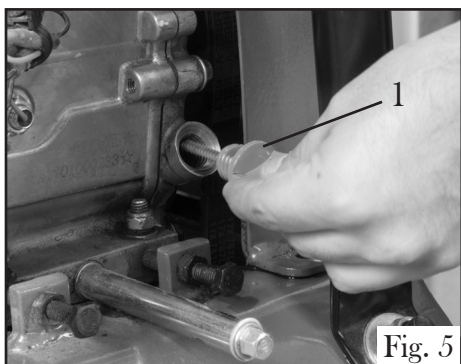


Fig. 5

FILLING CRANKCASE WITH OIL:

1. Make sure the plate compactor is on a level surface. Tilting the plate compactor to assist in filling will cause oil to flow into engine areas and will cause damage. Keep plate compactor level!
2. Remove the oil filler/dipstick cap (Fig. 5 - 1) from the engine.
3. Using a funnel, add the appropriate type and amount of oil into the crankcase. The crankcase is full when the oil level has reached the second thread from the lip of the opening (Fig. 6).

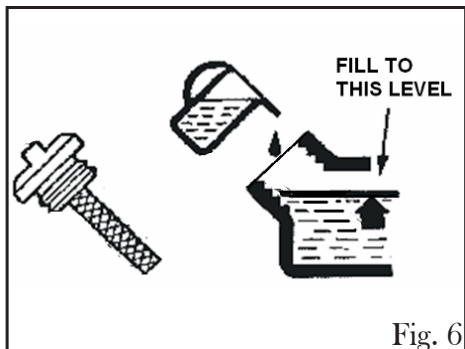


Fig. 6

4. Check for oil leaks. Reinstall oil filler cap before starting engine.

CHANGING THE OIL:

Change the oil when the engine is warm. This will allow for complete drainage. Change oil more often if operating under heavy load or high ambient temperatures. It is also necessary to drain the oil from the crankcase if it has become contaminated with water or dirt. The oil capacity of the engine in this plate compactor is 20 fl. oz (0.6 L). Add oil when the oil level is low.

DRAINING THE OIL FROM THE ENGINE:

1. Place a container underneath the engine to catch oil as it drains.
2. Use an open-end wrench to securely hold the oil drain plug in place. Then, using a hex wrench, unscrew the oil drain plug (Fig. 7 - 1). Allow all the oil to drain from the engine.
3. Reinstall the oil drain plug and tighten with a hex wrench.

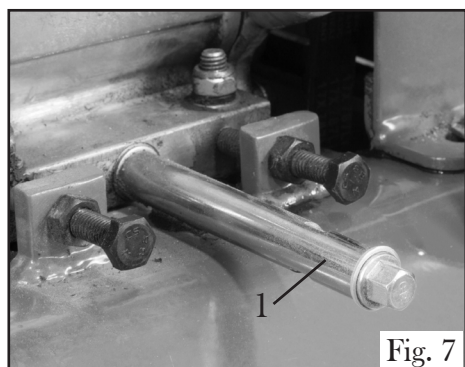


Fig. 7

NOTE: Never dispose of used motor oil in the trash or down a drain. Please call your local recycling center or auto garage to arrange oil disposal.

DRAINING THE CARBURETOR:

1. Turn the fuel valve to "OFF".
2. Locate the drain screw (Fig. 8 - 1) on the carburetor bowl. Prepare a pan, jar, or other approved gasoline storage container to catch the fuel that will leak out.
3. Loosen the drain screw and allow the fuel to drain completely. When it is done draining, re-tighten the drain screw.



Fig. 8

MAINTENANCE

AIR CLEANER MAINTENANCE:

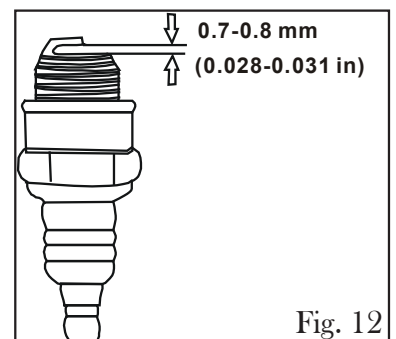
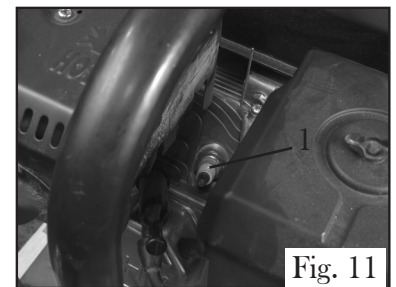
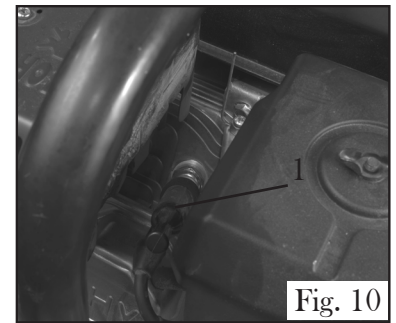
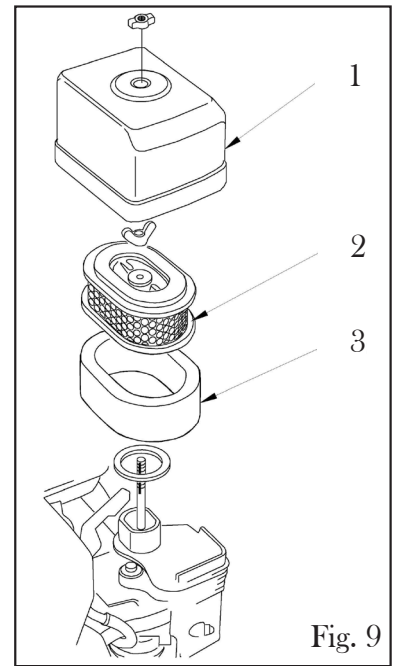
Routine maintenance of the air cleaner helps maintain proper air flow to the carburetor. Check that the air cleaner is free of excessive dirt.

1. Remove air cleaner cover (Fig. 9 - 1). Remove both elements and inspect them for holes or tears. Replace damaged elements.
2. Tap paper element (Fig. 9 - 2) lightly to remove excess dirt. Replace paper element if it appears heavily soiled.
3. Wash foam element (Fig. 9 - 3) in solution of mild detergent and warm water. Rinse thoroughly in clean water. Allow element to dry thoroughly. Soak element in clean engine oil and squeeze out excess oil.

SPARK PLUG MAINTENANCE:

The spark plug is important for proper engine operation. A good spark plug should be intact, free of deposits, and properly gapped. To inspect the spark plug (NGK BP7GS):

1. Pull on the spark plug boot to remove it (Fig. 10 - 1).
2. Unscrew the spark plug from the plate compactor using the spark plug wrench included with this product. (Fig. 11 - 1).
3. Visually inspect the spark plug. If it is cracked or chipped, discard and replace with a new spark plug of the same model (NGK BP7GS).
4. Measure the plug gap with a spark plug gauge (Fig. 12). The gap should be 0.7-0.8 mm (0.028 - 0.031 in).
5. If you are re-using the spark plug, use a wire brush to clean any dirt from around the spark plug base and then re-gap the spark plug.
6. Screw the spark plug back into its place on the plate compactor using the spark plug wrench. Do not over-tighten spark plug. Recommended tightening of spark plug is $\frac{1}{2}$ to $\frac{3}{4}$ of a turn after spark plug gasket contacts spark plug hole. Reinstall the spark plug boot.



MAINTENANCE

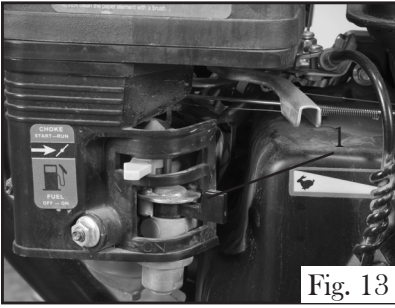


Fig. 13

DRAINING THE FUEL TANK:

Clean the fuel tank each year or before storing the plate compactor for extended periods of time. To drain the fuel tank and carburetor:

1. Turn the fuel valve to the “OFF” position (Fig. 13 - 1).
2. Remove the fuel line between the fuel valve and carburetor (Fig. 14 - 1)

CAUTION: A small amount of fuel may leak from the hose during removal.



Fig. 14

3. Attach a fuel line (not included with the plate compactor) to exposed end of the fuel valve.
4. Position fuel line into an appropriate container and open the fuel valve allowing fuel to flow into the container.

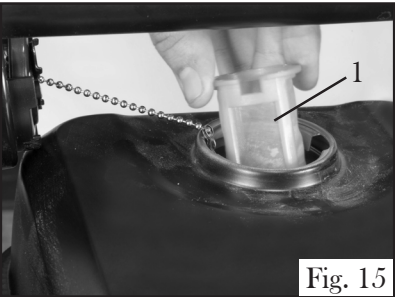


Fig. 15

5. Once fuel is drained, shut off the fuel valve.
6. Start and run the engine until fuel runs out.
7. Unscrew the gas tank cap from the gas tank.
8. Remove the fuel filter cup located inside (Fig. 15 - 1).
9. Empty the fuel filter cup of any fuel and clean.

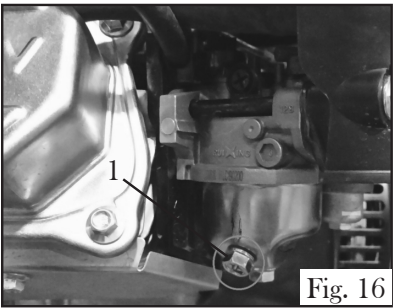


Fig. 16

10. Reinstall the fuel filter cup.
11. Screw the gas tank cap back onto the gas tank.
12. Store the emptied gasoline in a suitable place.

CAUTION: Do not store fuel for more than 3 months.

DRAINING THE FUEL TANK THROUGH THE CARBURETOR:

1. Turn fuel valve to “ON”.
2. Loosen drain screw from carburetor (Fig. 16 - 1). Be sure to have a vessel prepared to catch the fuel that will flow out.
3. Ensure that all fuel has left the tank, fuel line, and carburetor.
4. Tighten the drain screw.
5. Turn the fuel valve to “OFF”.

MAINTENANCE

STORING THE PLATE COMPACTOR:

If the unit is being stored for short periods of time (30 to 60 days), then when taking the unit out of storage, add gasoline and fuel stabilizer in the proper ratio to the tank until the tank is full.

NOTE: Filling the tank reduces the amount of air in the tank and helps reduce deterioration of fuel. Run the engine for 5 – 10 minutes allowing stabilized fuel mixture to circulate through the carburetor.

When storing the plate compactor for extended periods of time:

- Drain the fuel tank and the carburetor.
- Change oil.
- Do not obstruct any ventilation openings.
- Keep the plate compactor in a cool dry area.

When transporting plate compactor:

- Tighten fuel cap. Drain the fuel tank if possible.
- Keep the plate compactor upright. Never place plate compactor side down. Doing so will make it difficult to start.

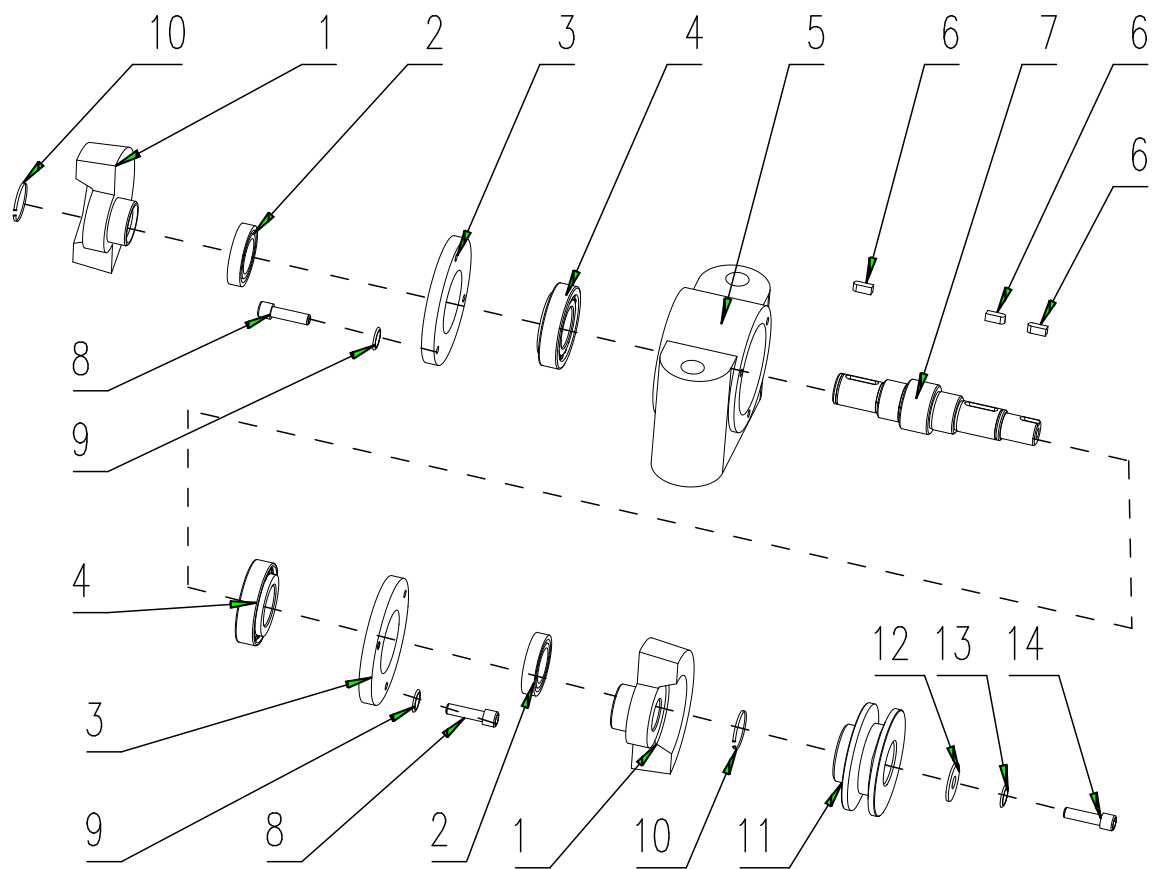
CAUTION: Never place any type of storage cover on the plate compactor while it is still hot.

TROUBLESHOOTING

IMPORTANT: If trouble persists, please email techsupport@wenproducts.com or call our customer help line at (800) 232-1195 M-F 8-5 Central Time.

PROBLEM	CAUSE	SOLUTION
Engine will not start.	Engine switch is set to “OFF.”	Set engine switch to “ON.”
	Fuel valve is turned to “OFF.”	Turn the fuel valve to the “ON” position.
	Choke is open.	Close the choke.
	Engine is out of fuel.	Add gasoline.
	Engine is filled with contaminated or old gasoline.	Change the gasoline in the gas tank and drain/clean the carburetor.
	Spark plug is dirty.	Clean spark plug.
	Spark plug is broken.	Replace spark plug.
	Plate compactor is not on a level surface.	Move plate compactor to a level surface to prevent low oil shutdown from triggering.
	Oil is low.	Add or replace oil.
	Carburetor is air locked.	Shut off the fuel valve and remove the screw from the bottom of the carburetor to allow it to reset.
Engine runs but the plate compactor doesn't work	Operating speed of throttle incorrectly set	Set throttle lever to correct position.
	Excess oil	Drain the excess oil.
	Clutch has slipped	Replace or adjust the clutch
	Spring failure	Replace spiral spring.
	Incorrect Engine Speed	Adjust the engine speed to meet the task at hand.
Not enough power behind plate compactor	Air cleaner clogged	Clean or replace the air cleaner element.
	Air in fuel line	Bleed air from the fuel line.
	Fuel level in carburetor's float chamber is improper.	Adjust the carburetor float.
	Carbon deposits in cylinder.	Clean or replace the cylinder.
	Fuel has gone bad.	Flush the system and replace with fresh fuel and stabilizer
Engine overheats	Contaminants in fuel tank.	Flush the system and replace with fresh fuel.
	Carbon deposits in combustion chamber.	Clean/replace crankcase.
	Exhaust or muffler clogged.	Clean/replace the muffler.
	Incorrect spark plug.	Replace with correct spark plug.
Recoil starter not working	Dust in rotating parts	Clean the recoil starter assembly.

EXPLODED VIEW AND PARTS LIST (VIBRATOR ASSEMBLY)



EXPLODED VIEW AND PARTS LIST (VIBRATOR ASSEMBLY)

No.	Part Number	Description	Specification	Qty.
1	56035-G-001	Eccentric Block		2
2	56035-G-002	Oil Seal	28 x 50 x 10	2
3	56035-G-003	Bearing Cover		2
4	56035-G-004	Bearing	6306	2
5	56035-G-005	Bearing Seat		1
6	56035-G-006	Key	6 x 6 x 20	3
7	56035-G-007	Main Shaft		1
8	56035-G-008	Inner Hexagon Bolt	M6 x 16	6
9	56035-G-009	Spring Gasket	Ø6	6
10	56035-G-010	Clip	Ø24	2
11	56035-G-011	Pulley	84 x 35	1
12	56035-G-012	Conical Flat Washer	8 x 30 x 6	1
13	56035-G-013	Spring Washer	Ø8	1
14	56035-G-014	Inner Hexagon Bolt	M8 x 20	1

NOTE: These parts are only available as a complete assembly (vibrator assembly, part 56035-023).
If you wish to purchase this assembly, please visit www.wenproducts.com

This technical drawing is an exploded view of a mechanical assembly, likely a piece of industrial equipment. It features 50 numbered callouts pointing to various components. The assembly includes a main rectangular frame (23), a central control panel or display unit (24), and a large cylindrical component (20). Other parts include a motor or actuator (1), a handle (41), a bracket (10), and various fasteners like screws (7, 9, 15, 18, 28, 29, 47, 49) and bolts (14, 16, 32, 36, 40, 43, 44, 45, 46). The diagram uses dashed lines to indicate the assembly path and alignment of the parts.

EXPLODED VIEW AND PARTS LIST (PLATE COMPACTOR)

No.	Part Number	Description	Specification	Qty.
1	56035-E-000	Engine		1
2	56035-147	Key	5*40	1
3	56035-020	Pulley		1
4	56035-019	Washer	M8×30×6	1
5	56035-018	Spring Washer	Ø 8	5
6	56035-017	Hex Bolt	M8*30	1
7	56035-005-3	Washer	Ø 10	6
8	56035-048	Handle Fixed Plate		2
9	56035-049	Handle Rubber Damper		4
10	56035-050	Locked Nut	M12	2
11	56035-005L	Lower handle		2
12	56035-051	Locked Pin Assembly	M10*35	2
13	56035-005H	Upper handle		1
14	56035-046	Throttle Line Assembly		1
15	56035-005-2	Locked Nut	M10	2
16	56035-005-6	Flange Bolt	M10*35	2
17	56035-005-7	Handle Damper		2
18	56035-005-4	Washer	Ø 10	14
20	56035-015	Belt Cover		1
21	56035-014	Washer	Ø8*24	2
22	56035-012	Bolt	M8*20	2
23	56035-030	Bottom Plate		1
24	56035-031-1	Engine Support Plate		1
25	56035-035	Locked Nut	M12	4
26	56035-003	Washer	12*35	4
27	56035-032	Shock Absorber		4
28	56035-028	Washer	Ø12	4
29	56035-027	Spring Washer	Ø12	4
30	56035-026	Nut	M12	4
31	56035-052	Locked Nut	M8	4
32	56035-005-8	Hex Bolt	M10*65	2
33	56035-009	Washer	Ø8	4
34	56035-053	Hex Bolt	M8*45	2
35	56035-024	Hex Bolt	M18*140	2
36	56035-025	Press Plate		1
37	56035-031-2	Exciter Seat		1
38	56035-023	Vibrator Assembly		1
39	56035-022	Spring & Flat Washer	Ø18	2
40	56035-021	Nut	M18	2
41	56035-016-2	Belt, 17 x 787	B-787	1
42	56035-038	Hex Bolt	M12*35	8
43	56035-037	Spring Washer	Ø12	8
44	56035-036	Flat Washer	Ø12	8
45	56035-043	Nut	M8	2
46	56035-042	Hex Bolt	M8*50	2
47	56035-002	Hex Bolt	M10*30	1
49	56035-001	Frame		1
50	56035-054	Washer	Ø18	2

EXPLODED VIEW AND PARTS LIST (ENGINE)

NOTE: The entire engine is available as a single assembly under model number 56035-E-000.

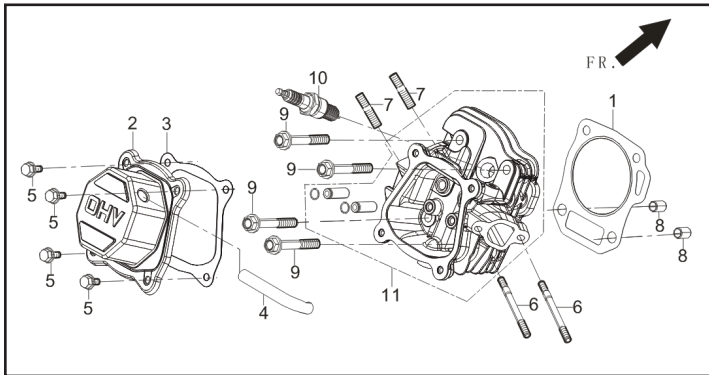


Fig. 1 - Cylinder Head Assembly

No.	Part	Description	Qty.
Fig. 1 - 1	56035-E-001	Cylinder Head Gasket	1
Fig. 1 - 2	P54066	Cylinder Head Cover Assembly	1
Fig. 1 - 3	P54064	Cylinder Head Cover Gasket	1
Fig. 1 - 4	56035-E-004	Breather Tube	1
Fig. 1 - 5	P54040	Bolt	4
Fig. 1 - 6	56035-E-006	Stud	2
Fig. 1 - 7	P54058	Stud	2
Fig. 1 - 8	P54048	Pin	2
Fig. 1 - 9	P54062	Cylinder Head Bolt	4
Fig. 1 - 10	P54060	Spark Plug	1
Fig. 1 - 11	P54054	Cylinder Head Subassembly	1

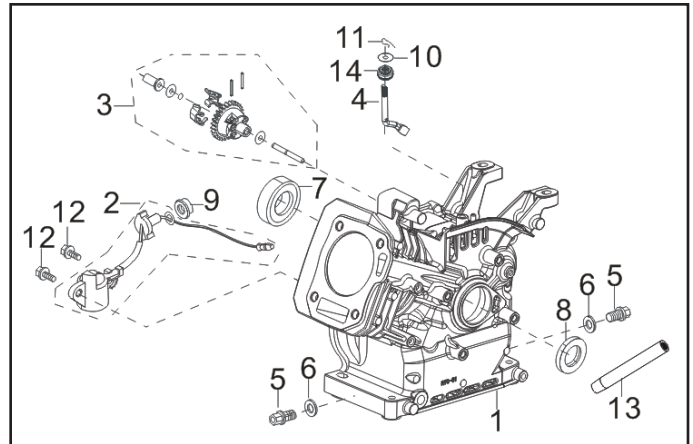
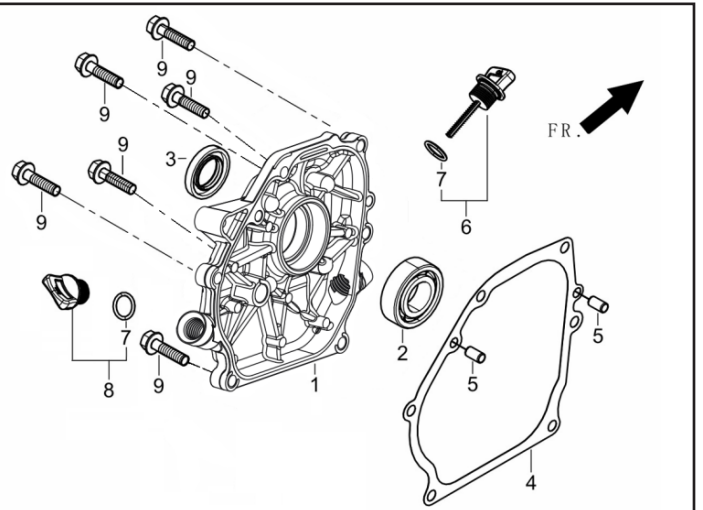


Fig. 2 - Crankcase Assembly

No.	Part	Description	Qty.
Fig. 2 - 1	56035-E-012	Crankcase Subassembly	1
Fig. 2 - 2	P54020	Engine Oil Sensor	1
Fig. 2 - 3	P54031	Governor Gear Assembly	1
Fig. 2 - 4	P54014	Governor Arm	1
Fig. 2 - 5	56035-E-016	Drain Plug Bolt	2
Fig. 2 - 6	P54002	Washer	2
Fig. 2 - 7	56035-E-018	Bearing	1
Fig. 2 - 8	P54008	Oil Seal	1
Fig. 2 - 9	P54003	Nut	1
Fig. 2 - 10	56035-E-020	Washer	1
Fig. 2 - 11	56035-E-021	Pin	1
Fig. 2 - 12	56035-E-022	Bolt	2
Fig. 2 - 13	56035-E-100	Oil Drain Tube	1
Fig. 2 - 14	56035-E-101	Seal Guide	1

Fig. 3 - Crankcase Cover Assembly

No.	Part	Description	Qty.
Fig. 3 - 1	56035-E-023	Crankcase Cover	1
Fig. 3 - 2	56035-E-018	Bearing	1
Fig. 3 - 3	P54008	Oil Seal	1
Fig. 3 - 4	P54080	Crankcase Gasket	1
Fig. 3 - 5	P54082	Pin	2
Fig. 3 - 6	P54086	Oil Dipstick Subassembly	1
Fig. 3 - 8	56035-E-029	Engine Oil Plug Subassembly	1
Fig. 3 - 9	P54092	Bolt	6



EXPLODED VIEW AND PARTS LIST (ENGINE)

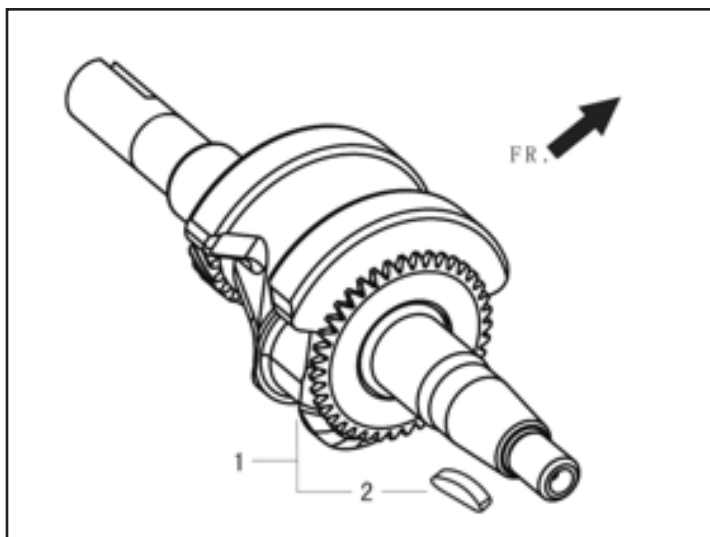


Fig. 4 - Crankshaft

No.	Part	Description	Qty.
Fig. 4 - 1	56035-E-031	Crankshaft Assembly	1

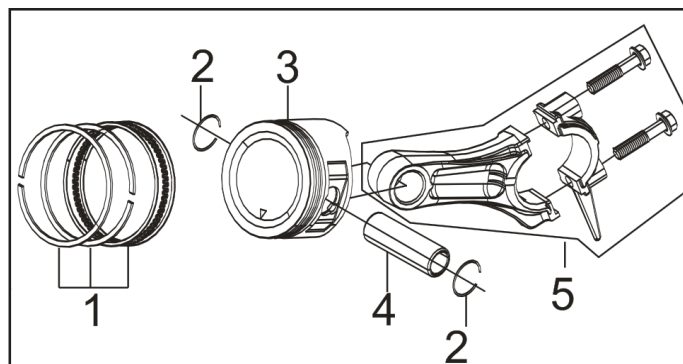


Fig. 5. Piston Ring/Connecting Rod

No.	Part	Description	Qty.
Fig. 5 - 1	P54105	Piston Ring Assembly	1
Fig. 5 - 2	P54106	Piston Ring Clip	2
Fig. 5 - 3	P54109	Piston	1
Fig. 5 - 4	P54112	Piston Pin	1
Fig. 5 - 5	P54121	Connecting Rod	1

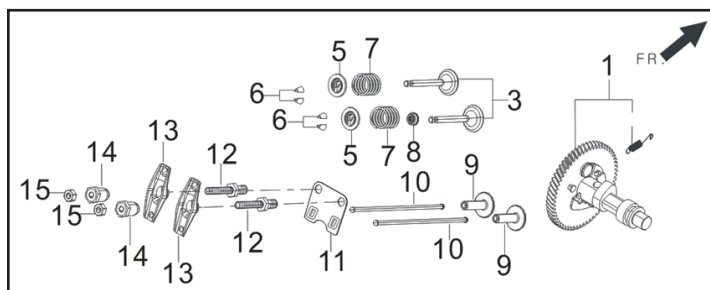


Fig. 6 - Valve/Camshaft

No.	Part	Description	Qty.
Fig. 6 - 1	P54146	Camshaft Assembly	1
Fig. 6 - 3	P54150	Valve	1
Fig. 6 - 5	56035-E-043	Valve Spring Seat	2
Fig. 6 - 6	P54160	Valve Lock Clamp	4
Fig. 6 - 7	P54154	Valve Spring	2
Fig. 6 - 8	P54161	Seal Guide	1
Fig. 6 - 9	P54142	Valve Tappet	2
Fig. 6 - 10	P54140	Valve Lifter	2
Fig. 6 - 11	P54138	Stopper Plate Subassembly	1
Fig. 6 - 12	P54134	Valve Adjusting Bolt	2

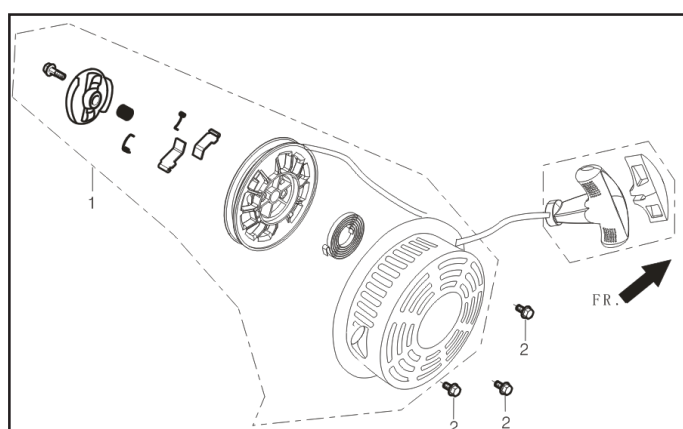


Fig. 7 - Recoil Starter

No.	Part	Description	Qty.
Fig. 7 - 1	56035-E-054	Recoil Starter Assembly	1
Fig. 7 - 2	P54598	Bolt	3

No.	Part	Description	Qty.
Fig. 6 - 13	P54132	Valve Rocker	2
Fig. 6 - 14	P54130	Valve Adjusting Nut	2
Fig. 6 - 15	P54128	Valve Lock Nut	2

EXPLODED VIEW AND PARTS LIST (ENGINE)

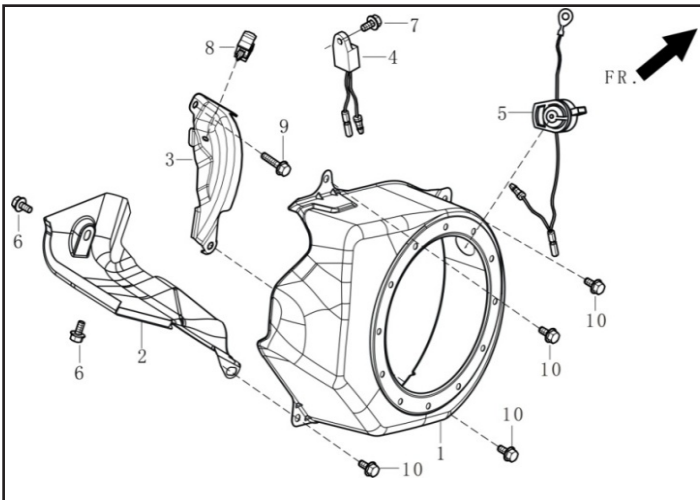


Fig. 8 - Shroud

No.	Part	Description	Qty.
Fig. 8 - 1	P54668	Shroud	1
Fig. 8 - 2	56035-E-058	Cylinder Body Shroud	1
Fig. 8 - 3	56035-E-059	Lower Shield	1
Fig. 8 - 4	P54612	Oil Protector	1
Fig. 8 - 5	56035-E-061	Stop Engine Switch Subassembly	1
Fig. 8 - 6	P54040	Bolt	2
Fig. 8 - 7	P54040	Bolt	1
Fig. 8 - 8	P54596-1	Collar	1
Fig. 8 - 9	P54186	Bolt	1
Fig. 8 - 10	P54040	Bolt	4

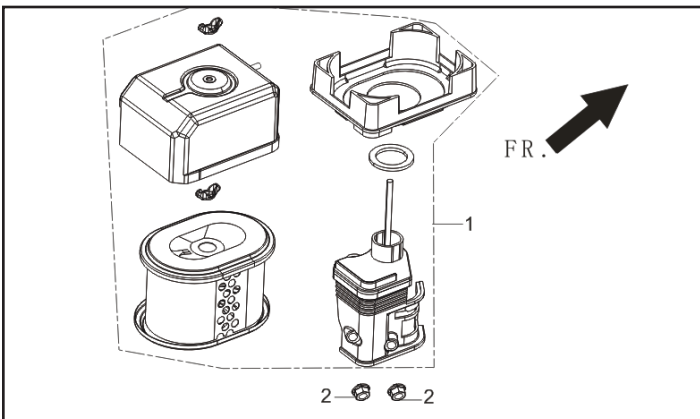


Fig. 10 - Air Cleaner

No.	Part	Description	Qty.
Fig. 10 - 1	56035-E-073	Air Cleaner	1
Fig. 10 - 2	P54179	Nut	2
Fig. 10 - 3	56035-E-073-1	Air Cleaner Element	1

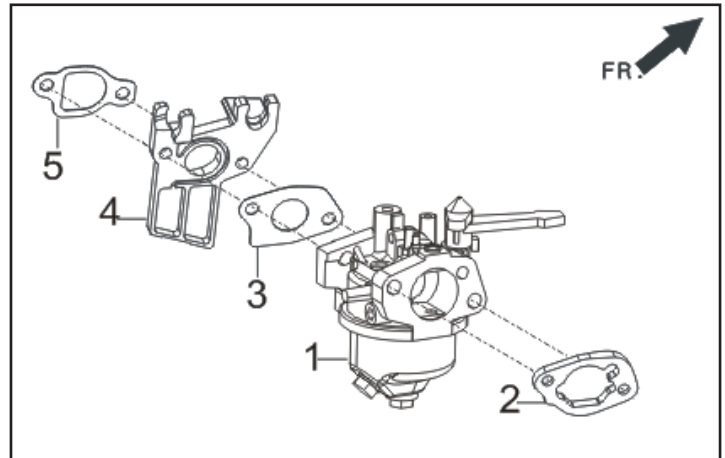


Fig. 9 - Carburetor Assembly

No.	Part	Description	Qty.
Fig. 9 - 1	56035-E-067	Carburetor Assembly	1
Fig. 9 - 2	56035-E-068	Air Cleaner Gasket	1
Fig. 9 - 3	P54166	Carburetor Gasket	1
Fig. 9 - 4	P54164	Carburetor Insulator Plate	1
Fig. 9 - 5	P54162	Carburetor Insulator Gasket	1

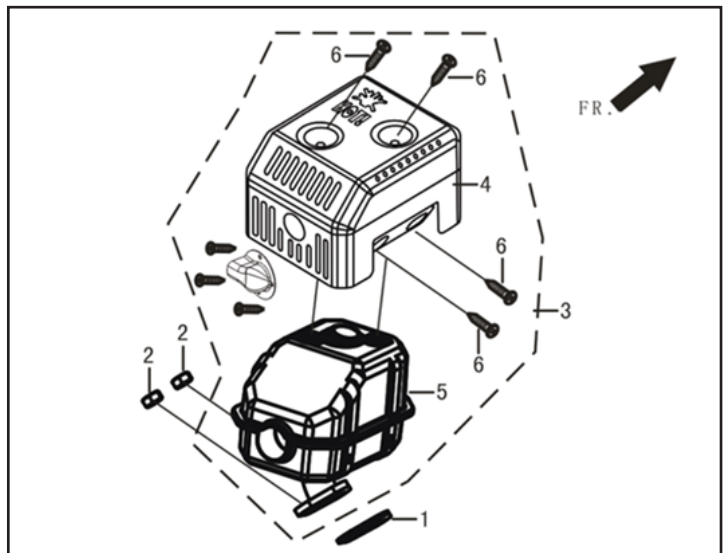


Fig. 11 - Muffler Assembly

No.	Part	Description	Qty.
Fig. 11 - 1	P54426	Exhaust Outlet Gasket	1
Fig. 11 - 2	56035-E-076	Nut	2
Fig. 11 - 3	56035-E-077	Muffler Assembly	1

EXPLODED VIEW AND PARTS LIST (ENGINE)

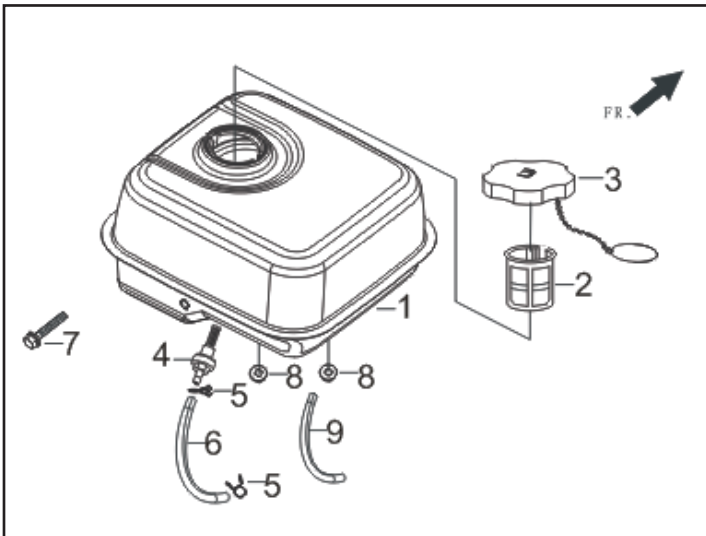


Fig. 12 - Gas Tank

No.	Part	Description	Qty.
Fig. 12 - 1	56035-E-078	Fuel Tank	1
Fig. 12 - 2	56035-E-079	Fuel Strainer	1
Fig. 12 - 3	56035-E-080	Fuel Tank Cover	1
Fig. 12 - 4	56035-E-081	Fuel Tank Oil Outlet Subassembly	1
Fig. 12 - 5	56035-E-082	Collar	2
Fig. 12 - 6	56035-E-083	Fuel Tube	1
Fig. 12 - 7	56035-E-084	Bolt	1
Fig. 12 - 8	P54179	Nut	2
Fig. 12 - 9	56035-E-102	Rubber Jacket	1

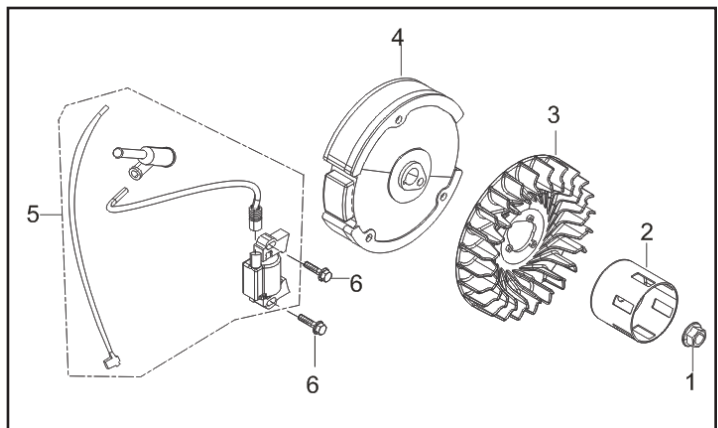


Fig. 13 - Flywheel/Impeller

No.	Part	Description	Qty.
Fig. 13 - 1	P54630	Flywheel Nut	1
Fig. 13 - 2	56035-E-087	Starter Pulley	1
Fig. 13 - 3	P54634	Impeller	1
Fig. 13 - 4	P54636	Flywheel Subassembly	1
Fig. 13 - 5	56035-E-091	Ignition Coil	1
Fig. 13 - 6	P54628	Bolt	2

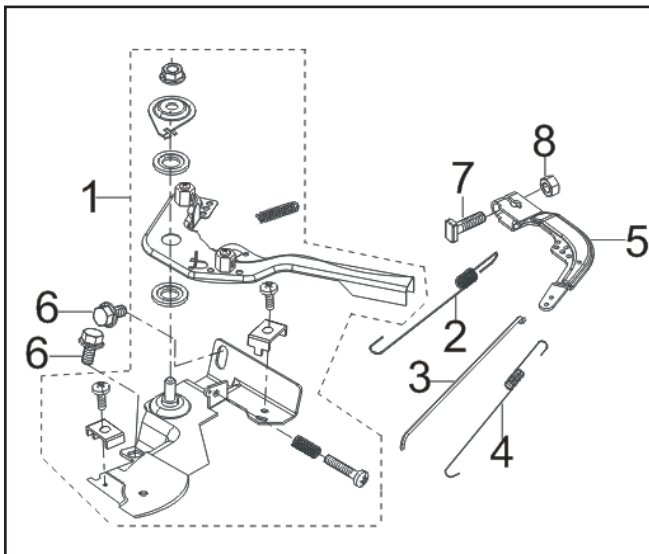


Fig. 14 - Control Assembly, Throttle

No.	Part	Description	Qty.
Fig. 14 - 1	56035-E-092	Throttle Control Assembly	1
Fig. 14 - 2	56035-E-094	Governor Spring	1
Fig. 14 - 3	P54620	Governor Rod	1
Fig. 14 - 4	P54618	Throttle Valve Returning Spring	1
Fig. 14 - 5	P54624	Governor Support Subassembly	1
Fig. 14 - 6	P54040	Bolt	2
Fig. 14 - 7	P54622	Governor Support Bolt	1
Fig. 14 - 8	P54179	Nut	1

WARRANTY STATEMENT

Remember to save the receipt and to accurately fill out and mail the product registration card. Proof of purchase is required for all warranty work.

WEN® Plate Compactors are under warranty to be free from defects in materials and workmanship for a period of two (2) years from date of original purchase. Plate compactors used for Commercial or Rental use have a warranty period of 90 days from date of original purchase. Keep purchase receipt and mail in the product registration card for proof of purchase.

WEN® will repair or replace, at its discretion, any part that is proven to be defective in materials or workmanship under normal use during the two (2) years warranty period. Warranty repairs or replacements will be made without charge for parts or labor. Parts replaced during warranty repairs will be considered as part of the original product and will have the same warranty period as the original product.

To exercise the warranty, **DO NOT RETURN TO RETAILER**. Instead, call the toll free Customer Service number at (800) 232-1195 and you will be instructed on where to take the plate compactor for warranty service. Take the plate compactor and proof of purchase (the receipt) to the repair facility recommended by the Customer Service Representative. To make a claim under this Limited Warranty, you must make sure to keep a copy of your proof of purchase that clearly defines the Date of Purchase (month and year) and the Place of Purchase. Place of purchase must be a direct vendor of Great Lakes Technologies, LLC. Third party vendors such as garage sales, pawn shops, resale shops, or any other secondhand merchant void the warranty included with this product. Contact techsupport@wenproducts.com or 1-800-232-1195 to make arrangements for repairs and transportation.

When returning a product for warranty service, the shipping charges must be prepaid by the purchaser. The product must be shipped in its original container (or an equivalent), properly packed to withstand the hazards of shipment. The product must be fully insured with a copy of the warranty card and/or the proof of purchase enclosed. There must also be a description of the problem in order to help our repairs department diagnose and fix the issue. Repairs will be made and the product will be returned and shipped back to the purchaser at no charge.

THIS LIMITED WARRANTY DOES NOT APPLY TO ACCESSORY ITEMS THAT WEAR OUT FROM REGULAR USAGE OVER TIME INCLUDING BELTS, BRUSHES, BLADES, ETC.

The warranty does not extend to plate compactors damaged or affected by fuel contamination, accidents, neglect, misuse, unauthorized alterations, use in an application for which the product was not designed and any other modifications or abuse.

WEN® is not liable for any indirect, incidental or consequential damages from the sale or use of this product. Any implied warranties are limited to two (2) years as stated in this written limited warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages. Some states do not allow limitation on the length of an implied warranty. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.