

FOREWORD

Thank you for your selection of **ORIMAS PLATE COMPACTOR**. This manual contains necessary maintenance information for you to ensure proper operation and care for this machine. Thus, it is essential for you to read through this manual thoroughly. Please do not hesitate to contact your local dealer or agent for any problem or suggestion as we always welcome feedback and comments from our valued customers.



CAUTION

This safety alert symbol identifies important safety messages throughout this manual.

When you see this symbol, carefully read the message that follows.

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Safety Precautions

Before operating this equipment, the operator should read this manual. Whenever possible, he/she should be shown how to operate the unit by an experienced operator. It is dangerous for an inexperienced person to operate any machine. Trial and error is not the safe way to become familiar with a piece of equipment.

- **WEAR SAFETY BOOT, HELMET, SHATTER PROOF GLASSES** and other protective devices required by job conditions. Avoid loose clothing. These may trap in moving parts and cause serious injury.
- Be cautious with the ventilation of work place. **AVOID OPERATING MACHINE IN CLOSED AREA**, since engine exhaust contains poisonous gases.
- **BE CAREFUL WITH HOT COMPONENTS.** Mufflers and other parts of engine are hot during operation and right after shut down.
- Fasten fuel cap tightly and closed fuel strainer cock during transportation.

Pre Start Up Checking

- Make sure that all dirt, mud, etc., are thoroughly removed from the unit prior to operation. Special attention should be given to areas such as cooling air inlet of engine, carburetor, and air cleaner.
- Check all bolts and screws for tightness. Loose bolts and screws may cause damage to the unit.
- Check V-belt tightness. The normal slack should be approximately 10~15mm (½”) when the belts are forcibly depressed in the middle position between two pulleys. To set belt tightness; refer to ***Belt Installation & Setting*** at page 5.
- Check engine oil level. If engine oil lever is low, refill it will proper motor oil according to ***Maintenance & Storage*** at page 9.

Belt Installation & Setting

- Step 1.** Loosen engine bolt (underneath engine) to allow engine movement along engine bolt slot.
- Step 2.** Assemble clutch pulley into engine shaft; make sure belt grooves are aligned.
- Step 3.** Insert V-belt into engine pulley and cutter pulley one at a time.
- Step 4.** Adjust the engine position by tightening tensioning bolt to ensure v-belts are tight enough.

IMPORTANT : Normal slack should be approximately 10~15mm (½”) when the belts are forcibly depressed in the middle position between rotor pulley and clutch pulley.

- Step 5.** Tighten all engine bolts and cover the engine pulley with belt cover, tighten cover bolts.

Starting



CAUTION

Make sure nobody is in front of the compactor when starting the engine; it might jerk forward with force.

- Step 1.** Open engine fuel cock.
- Step 2.** Set throttle lever to starting position.
- Step 3.** For cold engine starting, close carburetor choke lever (leave choke lever half-open when engine is warm).
- Step 4.** Set engine switch to “ON”.
- Step 5.** Pull recoil starter.

IMPORTANT : Do not pull recoil starter rope to the end as it may cause damage. When the rope is pulled out, release the rope slowly. Do not let the rope snap back.

- Step 4.** After engine starts, open the choke halfway and warm up the engine for 2~3 minutes with low speed position. The warm up procedure should particularly be followed during cold weather.

Operation



CAUTION

Poisonous fumes. Start and operate only in well-ventilated area.

Be careful with **hot components**, mufflers and other engine parts are hot during operation. Do not touch them.

Step 1. Set throttle lever full at stretch.

IMPORTANT : If the engine speed is increased slowly, the clutch may slip. Do not operate the throttle lever slowly.

Step 2. The compactor moves forward during operation. Control by either pulling or pushing handle bar. When compacting asphalt, it is advisable to paint diesel fuel at the bottom of plate. This will assist in preventing the plate from sticking to the asphalt.

Step 3. Adjust the throttle lever to the desired speed and compaction force.

Step 4. When compaction is done, adjust the engine to low speed position until the unit stops moving forward.

Shutdown

- Step 1.** Move governor lever (throttle lever) to low speed position quickly and run engine for 2~3 minutes at low speed.
- Step 2.** Push the red stop button, the engine stops completely.
- Step 3.** Close engine fuel cock.
- Step 4.** Cover the machine after the muffler had cooled off and keep road cutter in a dry place.

EMERGENCY SHUTDOWN:

Move throttle lever to OFF and press engine stop button.

Maintenance & Storage



CAUTION

FLAMMABLE LIQUID. When performing maintenance, stop engine and do not smoke in adjacent area.

HIGH TEMPERATURE. Allow machine and engine to cool down before performing maintenance. Contact with hot components can cause serious injury.

Moving part. Shut down engine before maintenance. Contact with moving parts can cause serious injury.

Daily service :

- Remove mud, dirt, etc., from the unit.
- Clean bottom face of vibrating plate.
- Check all nuts, bolts, and screws for tightness and retighten as necessary.
- Check air cleaner element and clean if necessary.

Weekly service:

- Detach air cleaner cover and clean filter.
- Remove spark plug, clean and adjust spark plug gap to 0.5~0.6mm.
- Drain engine motor oil and replace with new specified oil as suggested in the following table.

Season or Temperature	Grade of Engine Oil (Higher than MS class)
Spring, Summer or Autumn +120°F to 40°F	SAE 30
Winter +40°F to +15°F	SAE 20
Below +15°F	SAE 10W-30

Monthly service:

- Check engine oil level in rotor assembly. Remove oil plug and dip in a clean stick. Oil level of rotor assembly should be approximately 45mm or half filled. Make sure the compactor is level when checking.

IMPORTANT : Use motor oil SAE 10W-30

Storing for long period :

- Thoroughly drain the fuel from the fuel tank, fuel pipe and carburetor.
- Pour a few drops of motor oil into the cylinder by removing the spark plug. Rotate the engine several times by hand so that the cylinder interior is covered with oil.
- Clean the outer surface of the machine with an oil-moistened cloth. Cover the unit and store in a humidity-free, dust-free area.

Trouble Shooting

When any malfunction is noted, immediately shutdown the machine. Some simple trouble shooting and lubrication tips are given as below :

Fault	Cause	Action
Engine stops suddenly or does not run	No fuel in the engine	Refill fuel
	Spark plug carbonized	Clean spark plug
	Containment is being snagged up to fuel strainer	Clean fuel strainer
Engine runs but the machine does not	Air cleaner is full of dust	Clean air filter
	Shortage of engine power	Refer to engine manual
	Clutch slip	Refer to engine manual
Compactor is slow or erratic	Over flowing of oil in crankcase	Lack of oil
	Loose V-belt	Adjust V-belt (Refer to Belt Installation & Setting

IF THE FAULT PRESISTS, CONTACT YOUR LOCAL DEALER.