

FOREWORD

Thank you for your selection of **ORIMAS CONCRETE CUTTER**. 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.
- **STAY AWAY FROM BLADE DURING OPERATION.**
- 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.

Blade Setting

IMPORTANT : Normal slack should be approximately 10 ~ 15mm (1/2”) when the belts are forcibly depressed in the middle position between pulley and engine pulley.

- Step 1.** Turn blade steering to lift up the front part of the machine. Loosen wing bolt and lift up the blade cover.
- Step 2.** Set the blade in correct rotating direction with “Arrow” marked blade face facing outward.
- Step 3.** Hold the blade between 2 blade supports and tighten blade nut (left hand thread) firmly with supplied wrenches.
- Step 4.** After setting the blade, lower the blade cover and tighten wing bolt.

Belt Setting

- Step 1.** Loosen engine bolt (underneath engine) to allow engine movement along engine bolt slot.
- Step 2.** Insert V-belt into engine pulley and cutter pulley one at a time.
- Step 3.** 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 4.** Tighten all engine bolts and cover the engine pulley with belt cover, tighten cover bolts.

Pre Start Up Checking

- Check condition of blade nut (left hand thread) to ensure blade is firmly clamped.
- Check all bolts and screws for tightness. Loose bolts and screws may cause damage to the unit.
- 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 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 Setting*** at page 5.
- Check engine oil level. If engine oil lever is low, refill it with proper motor oil according to ***Maintenance & Storage*** at page 10.

Starting



CAUTION

Make sure the blade is not touching ground surface during starting.

- 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. After engine starts, set the blade guide on cutting line.
- Step 2. Supply water to tank. Open sprinkler cock and adjust flow of cooling water to blade.
- Step 3. Set throttle lever to high-speed position, and turn the blade steering to lower the machine. The machine will start to cut. When set, lock the steering with stopper handle.
- Step 4. The depth gauge indicates the cutting depth of the blade. Please note that there might be a slight difference depending on road condition.
- Step 5. Slowly push the machine forward by holding the operation handle.
- Step 6. When cutting is done, lift the blade from the ground by turning the blade steering.

Shutdown

- Step 1.** Move throttle cover 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 :

- Make sure all pillow blocks are greased.
- Constantly check for any lose screws, nuts and bolts; especially check the condition of the blade nut (left-hand thread).
- Remove mud, dirt, etc., from the unit.

Weekly service (every 50 hours of operation):

- Detach air cleaner cover and clean filter.
- Remove sparks 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

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
Concrete cutter is slow or erratic	Loose V-belt	Adjust V-belt (Refer to Belt Setting)
Water not flowing	Clogged water nozzle	Remove plug and clean it

IF THE FAULT PRESISTS, CONTACT YOUR LOCAL DEALER.

Specifications

MODEL	YRC16	YRC18	MC500	MC660
WEIGHT (<i>kg</i>) *	125	139	146	188
OVERALL HEIGHT (<i>mm</i>)	960	1000	1000	890
OVERALL WIDTH (<i>mm</i>)	600	660	660	700
OVERALL LENGTH (<i>mm</i>)	1460	1890	1890	1170
BLADE SIZE (<i>mm</i>)	305 (12') ~ 406 (16'')	406 (16') ~ 457 (18'')	406 (16') ~ 508 (20'')	508 (20') ~ 660 (26'')
ARBOR SIZE (<i>mm</i>)	27	27	27	27
MAX. CUTTING DEPTH (<i>mm</i>)	145	170	170	280
WATER TANK CAPACITY (<i>l</i>)	37	57		

Specifications are subject to change without notice.

*Does not include engine and cutting blade weight.