



OWNER'S MANUAL



 Read this manual carefully before operating this machine.

**MZ175**  
**MZ200**  
**MZ250**  
**MZ300**  
**MZ360**



PRINTED IN CHINA  
2013.11×1   
(E)

LIT-19626-02-05  
7VB-F8199-11

 **WARNING**

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

YAMAHA

LIT-CALIF-65-01

 Read this manual carefully before operating this machine. This manual should stay with this machine if it is sold.

## **INTRODUCTION**

Congratulations on your purchase of your new Yamaha.

This manual will provide you with a good basic understanding of the operation and maintenance of this machine.

If you have any questions regarding the operation or maintenance of your machine, please consult a Yamaha dealer.

**MZ175, MZ200, MZ250, MZ300, MZ360**

**OWNER'S MANUAL**

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**1st Edition, November 2013**

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is expressly prohibited.**

**Printed in China**

**P/N LIT-19626-02-05**

## IMPORTANT MANUAL INFORMATION

Particularly important information is distinguished in this manual by the following notations.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

### **WARNING**

A **WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.

### **NOTICE**

A **NOTICE** indicates special precautions that must be taken to avoid damage to the machine or other property.

### **TIP**

A **TIP** provides key information to make procedures easier or clearer.



### **WARNING**

**PLEASE READ AND UNDERSTAND THIS MANUAL COMPLETELY BEFORE OPERATING THE MACHINE.**

### **TIP**

- Yamaha continually seeks advancements in product design and quality. Therefore, while this manual contains the most current product information available at the time of printing, there may be minor discrepancies between your machine and this manual. If there is any question concerning this manual, please consult a Yamaha dealer.
- This manual should be considered a permanent part of this machine and should remain with this machine when resold.

\* Product and specifications are subject to change without notice.

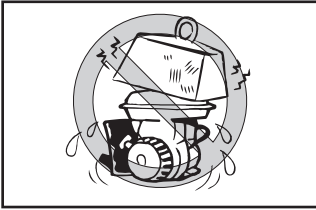
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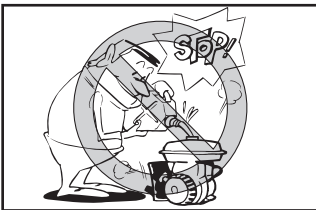
## SAFETY INFORMATION

- Do not allow children to operate the multi-purpose engine.
- Do not place any obstacles on the multi-purpose engine.



### Exhaust fumes are poisonous

- Using a multi-purpose engine indoors **CAN KILL YOU IN MINUTES**. Multi-purpose engine exhaust contains carbon monoxide. This is a poison you cannot see or smell.
- **NEVER** use inside a home or garage, **EVEN IF** doors and windows are open.
- Only use **OUTSIDE** and far away from windows, doors, and vents.

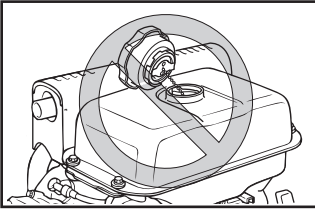


### Fuel is highly flammable and poisonous

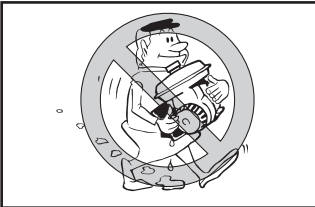
- Always turn off the engine when refuelling.
- Never refuel while smoking or in the vicinity of an open flame.
- Take care not to spill any fuel on the engine or muffler when refueling.



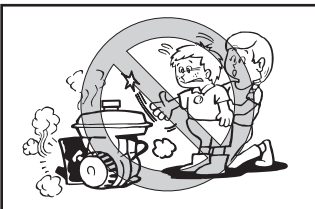
- Do not leave the multi-purpose engine inside the vehicle or in the trunk.
- If you swallow any fuel, inhale fuel vapor, or allow any to get in your eye(s), see your doctor immediately. If any fuel spills on your skin or clothing, immediately wash with soap and water and change your clothes.



- When refueling, do not place the fuel tank cap near the muffler.
- Take care not to spill fuel.

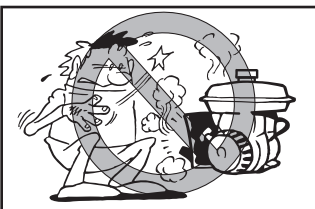


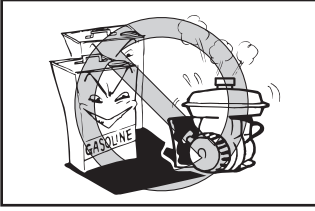
- When operating or transporting the machine, be sure it is kept upright. If it tilts, fuel may leak from the carburetor or fuel tank.



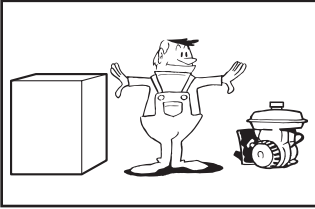
### **Engine and muffler may be hot**

- Place the machine in a place where pedestrians or children are not likely to touch the machine.

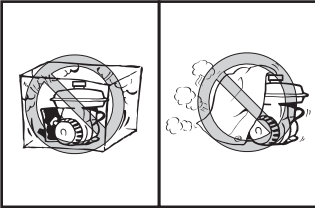




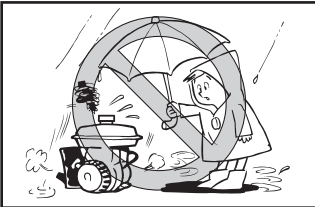
- Avoid placing any flammable materials near the exhaust outlet during operation.



- In order to prevent overheating, be sure the equipment in which the multi-purpose engine is mounted allows adequate ventilation, and keep the equipment at least 1m (3 ft) from objects or other equipment.

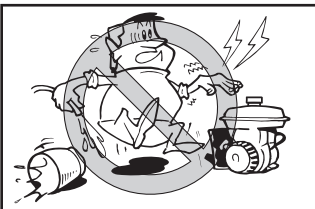


- Do not operate the engine with a dust cover or other objects covering it.
- When covering the multi-purpose engine, be sure to do so only after the engine and muffler have completely cooled down.



### Electric shock prevention

- Never operate the engine in rain or snow.



- Never touch the machine with wet hands or electrical shock will occur.





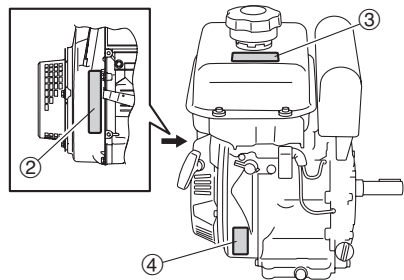
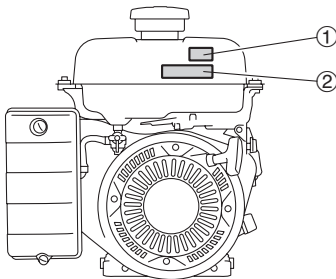
## LOCATION OF IMPORTANT LABELS

Please read the following labels carefully before operating this machine.

### TIP

Maintain or replace safety and instruction labels, as necessary.

(MZ175)




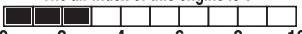
①

This spark ignition system meets all requirements of the Canadian Interference Causing Equipment Regulations.


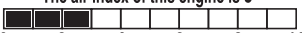
Ce système d'allumage respecte toutes les exigences sur le matériel brouilleur du Canada.

7CC-H2377-50

② (with fuel tank model)

<b>EMISSION CONTROL INFORMATION</b> YAMAHA MOTOR CO.,LTD. THIS ENGINE MEETS U.S. EPA EXH / EVP REGS AND CALIFORNIA EXH / EVP SI SORE REGS FOR 20**. EMISSION COMPLIANCE PERIOD : *** HOURS EF : ***** DISPLACEMENT : *** cc EVAP F CARB : ***** EVAP F EPA : *****	 <b>YAMAHA</b> EM	The air index of this engine is 3  0 2 4 6 8 10 MOST CLEAN LEAST CLEAN
		<b>FOR EXTENDED</b> Check owner's manual for further details. No other adjustments needed.



(without fuel tank model)

<b>EMISSION CONTROL INFORMATION</b> YAMAHA MOTOR CO.,LTD. THIS ENGINE MEETS U.S. EPA EXH REGS AND CALIFORNIA EXH SI SORE REGS FOR 20**. EMISSION COMPLIANCE PERIOD : *** HOURS EF : ***** DISPLACEMENT : *** cc	 <b>YAMAHA</b> EM	The air index of this engine is 3  0 2 4 6 8 10 MOST CLEAN LEAST CLEAN
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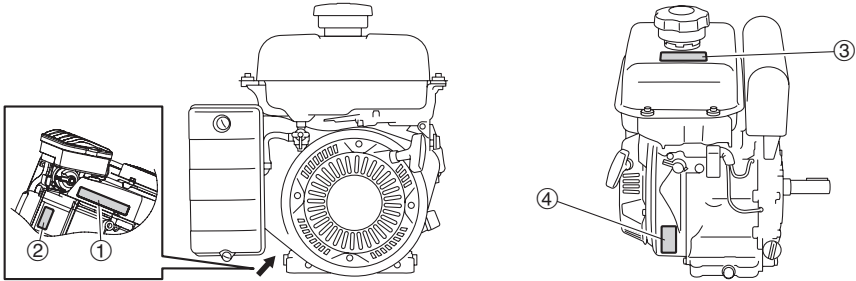
③

<b>⚠ WARNING</b>
<ul style="list-style-type: none"><li>• READ THE OWNER'S MANUAL AND ALL LABELS BEFORE OPERATING.</li><li>• ONLY OPERATE IN WELL-VENTILATED AREAS. EXHAUST GAS CONTAINS POISONOUS CARBON MONOXIDE.</li><li>• CHECK FOR SPILLED FUEL OR FUEL LEAKS.</li><li>• STOP ENGINE BEFORE REFUELING.</li><li>• DO NOT OPERATE NEAR FLAMMABLE MATERIALS.</li><li>• KEEP THIS UNIT DRY AT ALL TIMES. 7CN-F4162-50</li></ul>


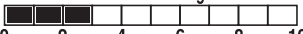
④

<b>OIL</b>

<b>YAMAHA MZ****</b>
Displacement *** cm <sup>3</sup>
MODEL
7* * * * *
APPROVAL NUMBER:
611*97/6SSA*2002/88* ****
<small>YAMAHA MOTOR-POWERED PRODUCTS CO., LTD.</small>
<small>MADE IN CHINA</small>
7* * * * *
 <b>N432</b>


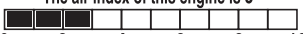
(MZ200)



① (with fuel tank model)

<p><b>EMISSION CONTROL INFORMATION</b>                  YAMAHA MOTOR CO.,LTD.</p>		 <b>YAMAHA</b>	<p>The air index of this engine is 3</p> 
<p>THIS ENGINE MEETS U.S. EPA EXH / EVP REGS AND CALIFORNIA EXH / EVP SI SORE REGS FOR 20**.</p>			<p>0 2 4 6 8 10                  MOST CLEAN LEAST CLEAN</p>
<p>EMISSION COMPLIANCE PERIOD : *** HOURS</p>		<p><b>EM</b></p>	<p><b>FOR EXTENDED</b>                  Check owner's manual for further details.                  No other adjustments needed.</p>
<p>EF : *****</p>	<p>DISPLACEMENT : *** cc</p>		
<p>EVAP F CARB : *****</p>	<p>EVAP F EPA : *****</p>		

(without fuel tank model)

<p><b>EMISSION CONTROL INFORMATION</b>                  YAMAHA MOTOR CO.,LTD.</p>		 <b>YAMAHA</b>	<p>The air index of this engine is 3</p> 
<p>THIS ENGINE MEETS U.S. EPA EXH REGS AND CALIFORNIA EXH SI SORE REGS FOR 20**.</p>			<p>0 2 4 6 8 10                  MOST CLEAN LEAST CLEAN</p>
<p>EMISSION COMPLIANCE PERIOD : *** HOURS</p>		<p><b>EM</b></p>	<p><b>FOR EXTENDED</b>                  Check owner's manual for further details.                  No other adjustments needed.</p>
<p>EF : *****</p>	<p>DISPLACEMENT : *** cc</p>		

②

This spark ignition system meets all requirements of the Canadian Interference Causing Equipment Regulations.

Ce système d'allumage respecte toutes les exigences sur le matériel brouilleur du Canada.

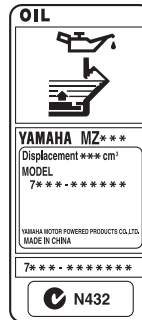
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③

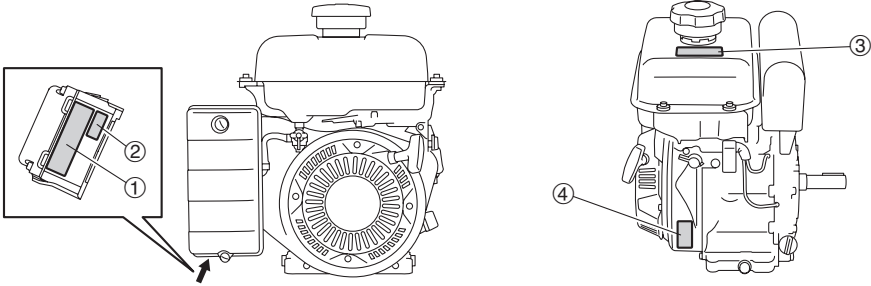
## **WARNING**

- READ THE OWNER'S MANUAL AND ALL LABELS BEFORE OPERATING.
- ONLY OPERATE IN WELL-VENTILATED AREAS. EXHAUST GAS CONTAINS POISONOUS CARBON MONOXIDE.
- CHECK FOR SPILLED FUEL OR FUEL LEAKS.
- STOP ENGINE BEFORE REFUELING.
- DO NOT OPERATE NEAR FLAMMABLE MATERIALS.
- KEEP THIS UNIT DRY AT ALL TIMES. 7CN-F4162-50

④



**(MZ250, MZ300 (7VB))**



① (with fuel tank model)

<p><b>EMISSION CONTROL INFORMATION</b>                  YAMAHA MOTOR CO.,LTD.                  THIS ENGINE MEETS U.S. EPA EXH / EVP REGS AND CALIFORNIA EXH / EVP SI SORE REGS FOR 20**.                  EMISSION COMPLIANCE PERIOD : *** HOURS                  EF : ***** DISPLACEMENT : *** cc                  EVAP F CARB : ***** EVAP F EPA : *****</p>		<p><b>YAMAHA</b></p> <p>EM</p>	<p>The air index of this engine is 3</p> <p>0 2 4 6 8 10                  MOST CLEAN LEAST CLEAN</p> <p><b>FOR EXTENDED</b>                  Check owner's manual for further details.                  No other adjustments needed.</p>
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(without fuel tank model)

<p><b>EMISSION CONTROL INFORMATION</b>                  YAMAHA MOTOR CO.,LTD.                  THIS ENGINE MEETS U.S. EPA EXH REGS AND CALIFORNIA EXH SI SORE REGS FOR 20**.                  EMISSION COMPLIANCE PERIOD : *** HOURS                  EF : ***** DISPLACEMENT : *** cc</p>		<p><b>YAMAHA</b></p> <p>EM</p>	<p>The air index of this engine is 3</p> <p>0 2 4 6 8 10                  MOST CLEAN LEAST CLEAN</p> <p><b>FOR EXTENDED</b>                  Check owner's manual for further details.                  No other adjustments needed.</p>
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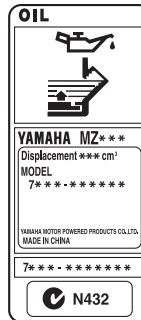
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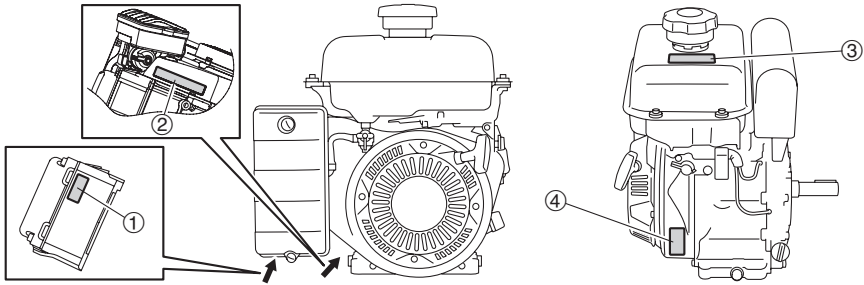
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- KEEP THIS UNIT DRY AT ALL TIMES. 7CN-F4162-50

④



**(MZ300 (7CS), MZ360)**




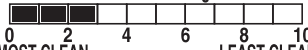
①

This spark ignition system meets all requirements of the Canadian Interference Causing Equipment Regulations.


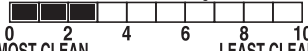
Ce système d'allumage respecte toutes les exigences sur le matériel brouilleur du Canada.

7CC-H2377-50

② (with fuel tank model)

<b>EMISSION CONTROL INFORMATION</b> YAMAHA MOTOR CO.,LTD. THIS ENGINE MEETS U.S. EPA EXH / EVP REGS AND CALIFORNIA EXH / EVP SI SORE REGS FOR 20**. EMISSION COMPLIANCE PERIOD : *** HOURS EF : ***** DISPLACEMENT : *** cc EVAP F CARB : ***** EVAP F EPA : *****		 <b>YAMAHA</b> EM	The air index of this engine is 3  0 MOST CLEAN 2 4 6 8 10 LEAST CLEAN
			<b>FOR EXTENDED</b> Check owner's manual for further details. No other adjustments needed.

(without fuel tank model)

<b>EMISSION CONTROL INFORMATION</b> YAMAHA MOTOR CO.,LTD. THIS ENGINE MEETS U.S. EPA EXH REGS AND CALIFORNIA EXH SI SORE REGS FOR 20**. EMISSION COMPLIANCE PERIOD : *** HOURS EF : ***** DISPLACEMENT : *** cc		 <b>YAMAHA</b> EM	The air index of this engine is 3  0 MOST CLEAN 2 4 6 8 10 LEAST CLEAN
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③

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- KEEP THIS UNIT DRY AT ALL TIMES. 7CN-F4162-50


④

**OIL**



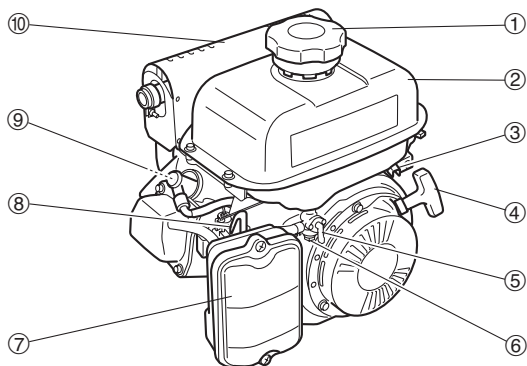
**YAMAHA MZ\*\*\*\***  
Displacement \*\*\* cm<sup>3</sup>  
MODEL  
7\* \* \* \* \*  
APPROVAL NUMBER:  
011 971855A 2012/08 \* \* \* \* \*  
YAMAHA MOTOR POWERED PRODUCTS CO.,LTD.  
MADE IN CHINA

7\* \* \* \* \*

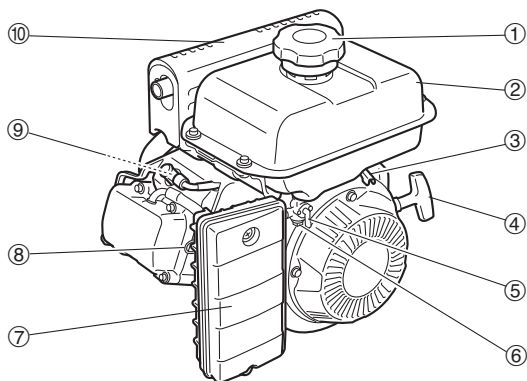
 N432

## DESCRIPTION

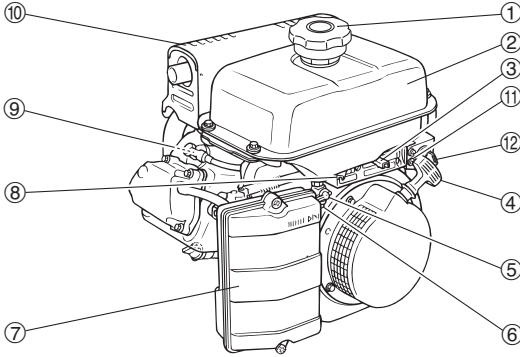
(MZ175, MZ200, MZ360)



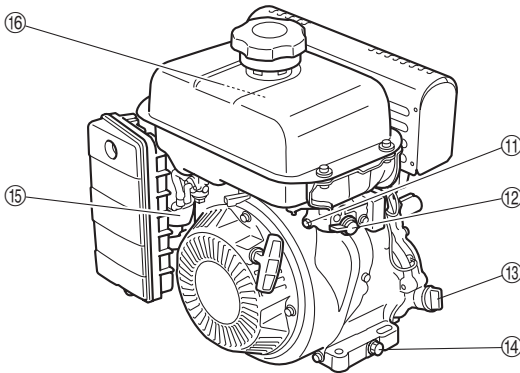
(MZ250, MZ300 (7VB))

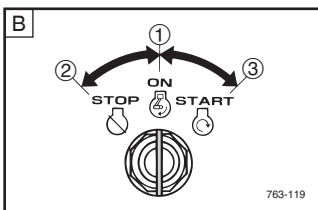
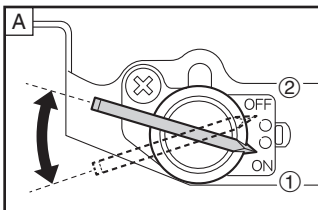


**(MZ300 (7CS))**



- ① Fuel tank cap (On models equipped with a Yamaha fuel tank)
- ② Fuel tank (On models equipped with a Yamaha fuel tank)
- ③ Throttle lever
- ④ Recoil starter handle
- ⑤ Fuel cock lever
- ⑥ Fuel cock cup
- ⑦ Air filter case cover
- ⑧ Choke lever
- ⑨ Spark plug
- ⑩ Muffler
- ⑪ Oil warning light (Red)
- ⑫ Engine switch
- ⑬ Oil filler cap
- ⑭ Oil drain bolt
- ⑮ Carburetor
- ⑯ Fuel tank filter (On models equipped with a Yamaha fuel tank)






## CONTROL FUNCTION


### Engine switch

The engine switch controls the ignition system.

① “ON”/“” (ON)


Ignition circuit is switched on.

The engine can be started.

② “OFF”/“” (STOP)

Ignition circuit is switched off.

The engine will not run.

③ “” (START)

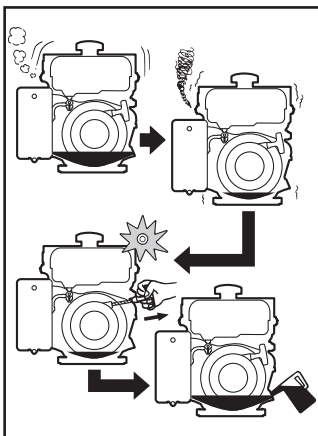
Starting circuit is switched on.

The starter motor starts and the engine can be started.

After starting the engine, take your hand off the switch immediately.

**A** Manual starting model

**B** Electric starting model



### Oil warning light (Red)


When the oil level falls below the lower level, the oil warning light comes on and then the engine stops automatically. Unless you refill with oil, the engine will not start again.

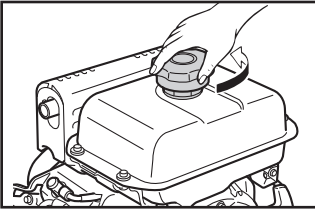
### TIP

(Manual starting model)

If the engine stalls or does not start, turn the engine switch to “ON” and then pull the recoil starter. If the oil warning light flickers for a few seconds, the engine oil is insufficient. Add oil and restart.

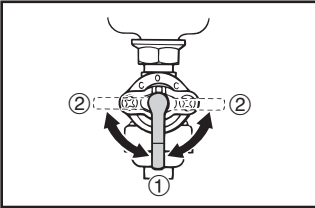
(Electric starting model)

If the engine stalls or does not start, turn the engine switch to “” (START). If the oil warning light comes on, the engine oil is insufficient. Add oil and restart.



### Fuel tank cap (For models equipped with a Yamaha fuel tank)

Remove the fuel tank cap by turning it counterclockwise. (On models equipped with a Yamaha fuel tank)



### Fuel cock lever

The fuel cock supplies fuel from the fuel tank to the carburetor.

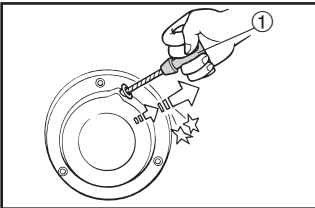
The fuel cock has two positions.

#### ① ON

With the lever in this position, fuel flows to the carburetor. Normal using is done with the lever in this position.

#### ② OFF

With the lever in this position, fuel will not flow. Always turn the lever to this position when the engine is not running.



### Recoil starter handle

Used to start the engine.

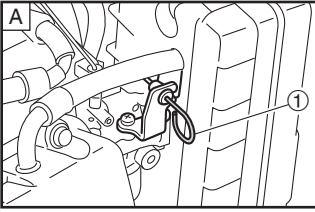
#### ① Recoil starter handle

#### **NOTICE**

- Pull the recoil starter handle straight.
- Return the recoil starter handle slowly.
- Do not touch the recoil starter handle while the multi-purpose engine is operating.

#### **TIP**

Pull the recoil starter handle after turning the engine switch to "ON".



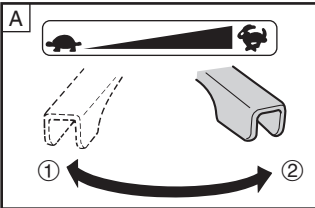
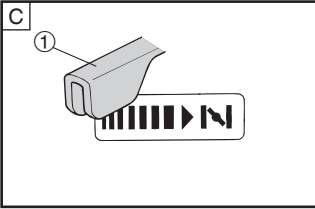
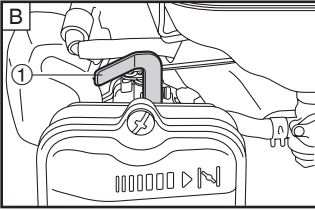
### Choke lever

Starting a cold engine requires a richer air-fuel mixture, which is supplied by the choke lever.

① Choke lever

**A B C**

Functions and specification differs depending on the models.



### Throttle lever

Throttle lever controls the engine speed.

① “”

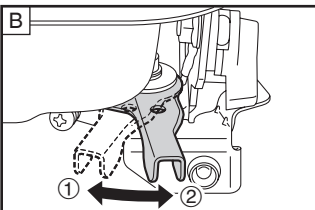
Lever position to idle the engine.  
Decrease engine speed.

② “”

Increase engine speed.

**A B**

Functions and specification differs depending on the models.

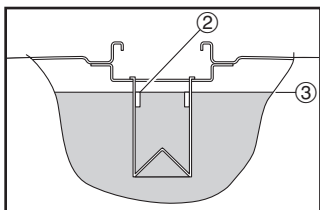
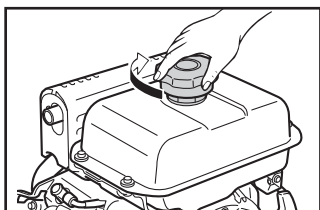
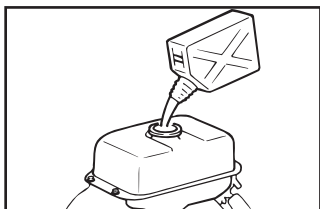
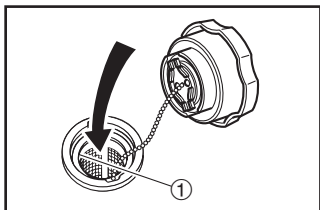


## PREPARATION

### Fuel (For models equipped with a Yamaha fuel tank)

#### **WARNING**

- Fuel is highly flammable and poisonous. Check “SAFETY INFORMATION” (See page 1) carefully before filling.
- Do not fill the fuel above the red line, otherwise it may overflow when the fuel warms up and expands.
- Wipe up any spilled fuel immediately.
- After refueling, make sure the fuel tank cap is tightened securely.



#### **NOTICE**

Immediately wipe off spilled fuel with a clean, dry, soft cloth, since fuel may deteriorate painted surfaces or plastic parts.

#### ① Red line

1. Stop the engine.
2. Place the engine on a level surface.
3. Remove the fuel tank cap.
4. Check the fuel level.
5. If low, fill the tank with fuel. Do not fill past the red line as fuel may mix with the activated charcoal in the fuel tank cap and overflow.

#### **TIP**

If filled beyond the red line, fuel may mix with the active charcoal located within the fuel tank cap and soil the surrounding areas.

#### ② Red line

#### ③ Correct fuel level

Recommended fuel:

Unleaded gasoline

Fuel tank capacity:

Total:

MZ175	4.0 L (1.06 US gal, 0.88 Imp gal)
MZ200	4.0 L (1.06 US gal, 0.88 Imp gal)
MZ250	5.5 L (1.45 US gal, 1.21 Imp gal)
MZ300	5.5 L (1.45 US gal, 1.21 Imp gal)
MZ360	6.1 L (1.61 US gal, 1.34 Imp gal)

Your Yamaha engine has been designed to use regular unleaded gasoline with a pump octane number ((R + M)/2) of 86 or higher, or research octane number of 91 or higher.

**NOTICE**

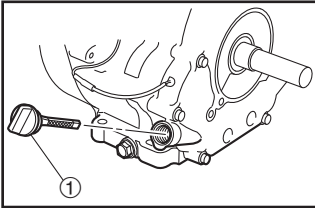
**Use only unleaded gasoline. The use of leaded gasoline will cause severe damage to internal engine parts.**



## Engine oil

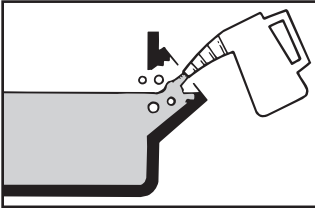
### **NOTICE**

The multi-purpose engine has been shipped without engine oil. Do not start the engine until you have filled it with the sufficient engine oil.

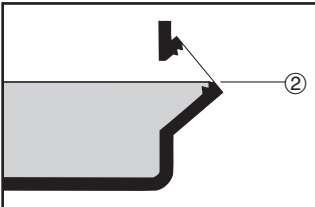


1. Place the multi-purpose engine on a level surface.
2. Remove the oil filler cap.

① Oil filler cap

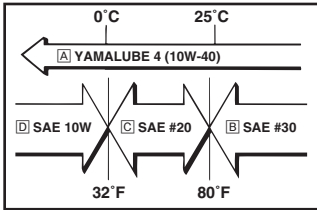


3. Fill the specified amount of the recommended engine oil.



4. Check the oil level of the oil filler hole.
- ② Correct level

5. Install the oil filler cap.



Recommended engine oil:

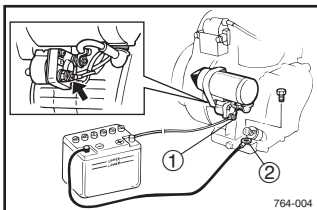
- A YAMALUBE 4 (10W-40),  
SAE 10W-30 or 10W-40
- B SAE #30
- C SAE #20
- D SAE 10W

Recommended engine oil grade:

API Service SE type or higher

Engine oil quantity:

MZ175	0.6 L (0.63 US qt, 0.53 Imp qt)
MZ200	0.6 L (0.63 US qt, 0.53 Imp qt)
MZ250	1.0 L (1.06 US qt, 0.88 Imp qt)
MZ300 (7VB)	1.0 L (1.06 US qt, 0.88 Imp qt)
MZ300 (7CS)	1.1 L (1.16 US qt, 0.97 Imp qt)
MZ360	1.1 L (1.16 US qt, 0.97 Imp qt)



### Connecting the battery

**(For models equipped with electric starter)**

Recommended battery capacity is 12 V/26 Ah or more.

Use battery lead wires with cross section of at least 8 mm (0.31 in) square.

- ① Connect the battery positive terminal to the starter switch.
- ② Ground the battery negative terminal to the engine mounting bolt.

## PRE-OPERATION CHECK

### **WARNING**

**If any item in the Pre-operation check is not working properly, have it inspected and repaired before operating the multi-purpose engine.**

The condition of a multi-purpose engine is the owner's responsibility. Vital components can start to deteriorate quickly and unexpectedly, even if the multi-purpose engine is unused.

### **TIP**

Pre-operation checks should be made each time the multi-purpose engine is used.

### **Pre-operation check**

#### **Fuel (See page 18 for Yamaha fuel tank instructions)**

- Check fuel level in fuel tank.
- Refuel if necessary.

#### **Fuel line**

- Check fuel hose for cracks or damage.
- Replace if necessary.

#### **Engine oil (See page 20)**

- Check oil level in engine.
- If necessary, add recommended oil to correct level.
- Check multi-purpose engine for oil leakage.

#### **The point where abnormality was recognized by use**

- Check operation.
- If necessary, consult a Yamaha dealer.

## OPERATION

### **WARNING**

---

Never operate the engine in a closed area or it may cause unconsciousness and death within a short time. Operate the engine in a well ventilated area.

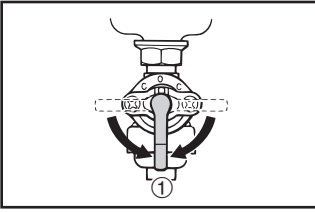
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### **NOTICE**

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The multi-purpose engine has been shipped without engine oil. Do not start the engine until you have filled it with the sufficient engine oil.

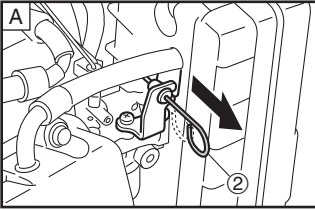
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## Starting the engine

1. Turn the fuel cock lever to ON.

① ON

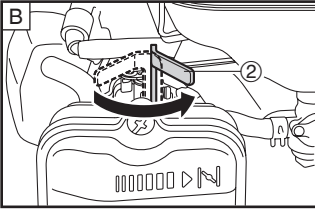


2. Pull the choke lever fully out. **A**  
Turn the choke lever to "1/2". **B** **C**

② Choke lever

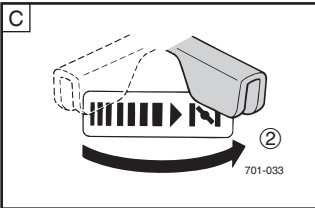
**A** **B** **C**

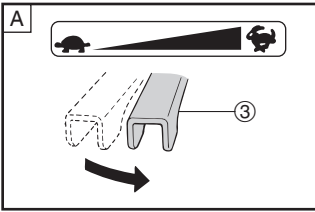
Functions and specification differs depending on the models.



### TIP

The choke is not required to start a warm engine.  
When starting the warm engine, put the choke lever to the original position.



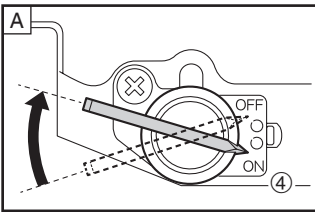
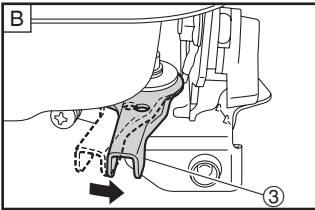


3. Move the throttle lever slightly to right.

③ Throttle lever

A B

Functions and specification differs depending on the models.

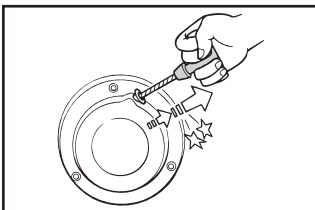
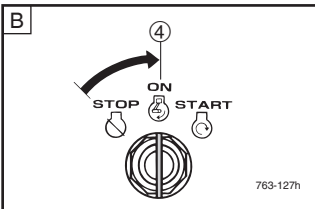


4. Turn the engine switch to “ON”/“” (ON).

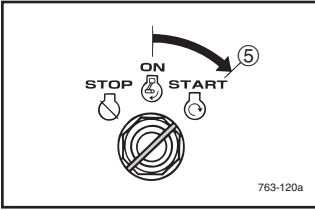
④ “ON”/“” (ON)


A Manual starting model


B Electric starting model



5. (Manual starting model) Pull the recoil starter slowly until it is engaged, then pull it briskly.

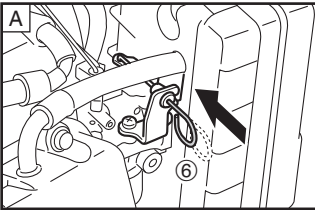


6. (Electric starting model) Turn the engine switch to “” (START).  
Take your hand off the switch immediately after the engine starts.

⑤ “” (START)

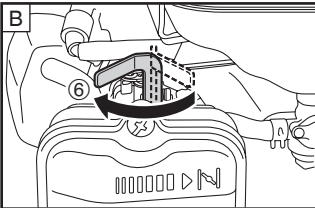
**NOTICE**

If the engine fails to start, release the switch, wait a few seconds, then try again. Each attempt should be as short as possible to preserve the battery. Do not crank the engine more than 5 seconds on any one attempt.



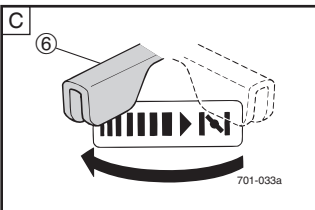
7. After the engine starts, warm up the engine enough so that the engine does not stop when the choke lever is returned to the original position.

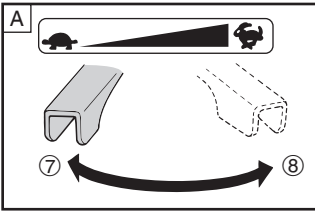
⑥ Original position



**A B C**

Functions and specification differs depending on the models.



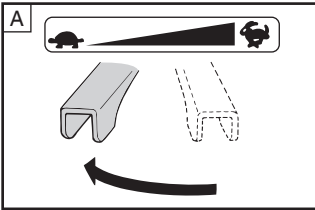
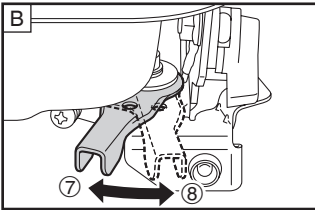


8. Set the throttle lever in desired position.

- ⑦ “”: Decrease engine speed
- ⑧ “”: Increase engine speed

**A B**

Functions and specification differs depending on the models.



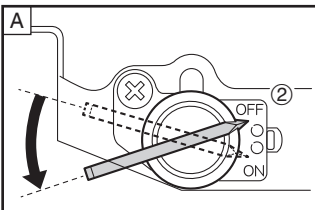
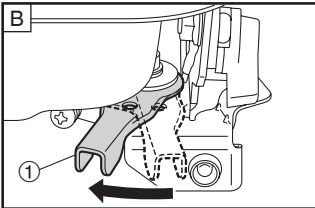
### Stopping the engine

1. Move the throttle lever fully to the left.

- ① Throttle lever

**A B**

Functions and specification differs depending on the models.

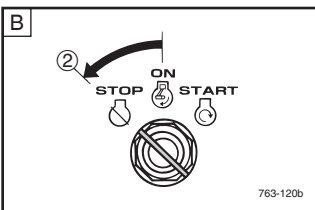


2. Turn the engine switch to “OFF”/“” (STOP).

- ② “OFF”/“” (STOP)

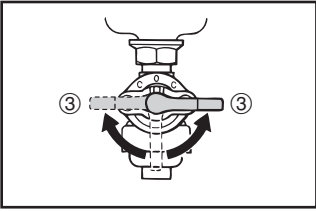
**A** Manual starting model

**B** Electric starting model



763-120b





3. Turn the fuel cock lever to OFF.

③ OFF

**High altitude operation**

This engine may require a high altitude carburetor kit to ensure correct engine operation at altitudes above 4000 ft. (1219 meters). If you operate your engine at altitudes above 4000 ft. (1219 meters) consistently, have your local Yamaha dealer perform the necessary carburetor modification. This engine should be operated in its original configuration below 4000 ft. (1219 meters) as damage may occur if high altitude carburetor kit is installed and operated below 4000 ft. (1219 meters).

## PERIODIC MAINTENANCE

Safety is an obligation of the owner. Periodic inspection, adjustment and lubrication will keep your multi-purpose engine in the safest and most efficient condition possible. The most important points of multi-purpose engine inspection, adjustment, and lubrication are explained on the following pages.

### **WARNING**

**If you are not familiar with maintenance work, have a Yamaha dealer do it for you.**

### Maintenance chart

### **WARNING**

**Stop the engine before starting maintenance work.**

### **NOTICE**

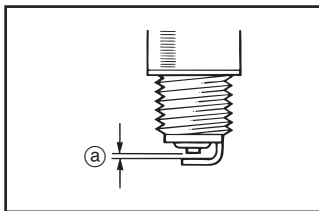
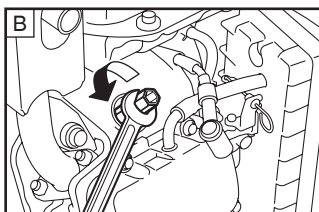
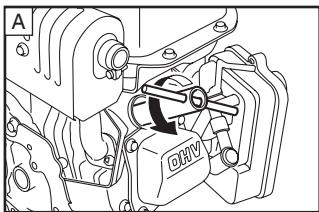
**Use only Yamaha specified genuine parts for replacement. Ask an authorized Yamaha dealer for further information.**

Item	Routine	Pre-operation check	Initial	Every		
			1 month or 20 Hrs	3 months or 50 Hrs	6 months or 100 Hrs	12 months or 300 Hrs
Spark plug	<ul style="list-style-type: none"> <li>• Check condition.</li> <li>• Clean and replace if necessary.</li> </ul>			○		
Fuel	<ul style="list-style-type: none"> <li>• Check fuel level and leakage.</li> </ul>	○				
Fuel hose	<ul style="list-style-type: none"> <li>• Check fuel hose for cracks or damage.</li> <li>• Replace if necessary.</li> </ul>	○				
Engine oil	<ul style="list-style-type: none"> <li>• Check oil level in engine.</li> </ul>	○				
	<ul style="list-style-type: none"> <li>• Replace.</li> </ul>		○		○	
Air filter element	<ul style="list-style-type: none"> <li>• Check condition.</li> <li>• Clean.</li> </ul>			○ (*1)		
Spark arrester	<ul style="list-style-type: none"> <li>• Check condition.</li> <li>• Clean and replace if necessary.</li> </ul>				○	
Fuel tank filter	<ul style="list-style-type: none"> <li>• Clean and replace if necessary.</li> </ul>				○	
Fuel strainer	<ul style="list-style-type: none"> <li>• Clean and replace if necessary.</li> </ul>				○	

Item	Routine	Pre-operation check	Initial	Every		
			1 month or 20 Hrs	3 months or 50 Hrs	6 months or 100 Hrs	12 months or 300 Hrs
Crankcase breather hose	<ul style="list-style-type: none"> <li>• Check breather hose for cracks or damage.</li> <li>• Replace if necessary.</li> </ul>					○
Cylinder head	<ul style="list-style-type: none"> <li>• Decarbonize cylinder head.</li> <li>• More frequently if necessary.</li> </ul>	After every 500 Hrs. (★)				
Valve clearance	<ul style="list-style-type: none"> <li>• Check and adjust when engine is cold.</li> </ul>					★
Idle speed	<ul style="list-style-type: none"> <li>• Check and adjust idle speed.</li> </ul>					★
Recoil starter	<ul style="list-style-type: none"> <li>• Check recoil starter for damage.</li> </ul>					★
Fittings / fasteners	<ul style="list-style-type: none"> <li>• Check all fittings and fasteners.</li> <li>• Correct if necessary.</li> </ul>					★
The point where abnormality was recognized by use.		○				

\*1.....The air filter element needs to be cleaned more frequently when using in unusually wet or dusty areas.

★.....Since these items require special tools, data and technical skills, have a Yamaha dealer perform the service.



## Spark plug inspection

The spark plug is an important engine component, which should be checked periodically.

1. Remove the spark plug cap and the spark plug.
2. Check for discoloration and remove the carbon. The porcelain insulator around the center electrode of spark plug should be a medium-to-light tan color.

**A** MZ175, MZ200

**B** Except for MZ175, MZ200

3. Check the spark plug type and gap.

**a** Spark plug gap

Standard spark plug:

BPR4ES (NGK)

Spark plug gap:

0.7–0.8 mm (0.028–0.031 in)

### TIP

The spark plug gap should be measured with a wire thickness gauge and, if necessary, adjusted to specification.

4. Install the spark plug and then tighten it.

Spark plug tightening torque:

20 Nm (2.0 m-kgf, 14 ft-lbf)

### TIP

If a torque wrench is not available when installing a spark plug, a good estimate of the correct torque is 1/4–1/2 turn past finger tight. However, the spark plug should be tightened to the specified torque as soon as possible.

5. Install the spark plug cap.

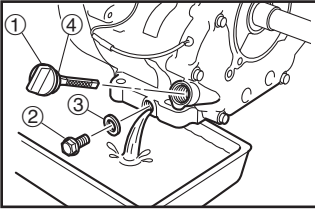
## Carburetor adjustment

The carburetor is a vital part of the engine. Adjusting should be left to a Yamaha dealer with the professional knowledge, specialized data, and equipment to do so properly.

## Engine oil replacement

### **WARNING**

**Avoid draining the engine oil immediately after stopping the engine. The oil is hot and should be handled with care to avoid burns.**



1. Place the multi-purpose engine on a level surface and warm up the engine for several minutes. Then stop the engine and turn the fuel cock lever to OFF.

2. Remove the oil filler cap.

① Oil filler cap

3. Place an oil pan under the engine. Remove the oil drain bolt and gasket so that the oil can be completely drained.

② Oil drain bolt

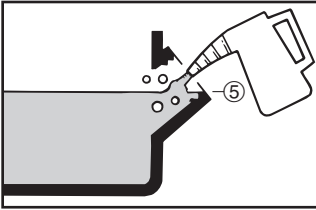
③ Gasket

4. Check the oil drain bolt, oil filler cap and O-ring. Replace them if damaged.

④ O-ring

5. Install a new gasket and the oil drain bolt and then tighten the bolt.

Oil drain bolt tightening torque:  
(For MZ175, MZ200)  
17 Nm (1.7 m·kgf, 12 ft·lbf)  
(Except for MZ175, MZ200)  
27 Nm (2.7 m·kgf, 20 ft·lbf)

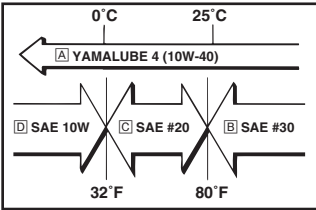


6. Add engine oil to the correct level.

⑤ Correct Level

**NOTICE**

**Be sure no foreign material enters the crankcase.**



Recommended engine oil:

- A YAMALUBE 4 (10W-40),  
SAE 10W-30 or 10W-40
- B SAE #30
- C SAE #20
- D SAE 10W

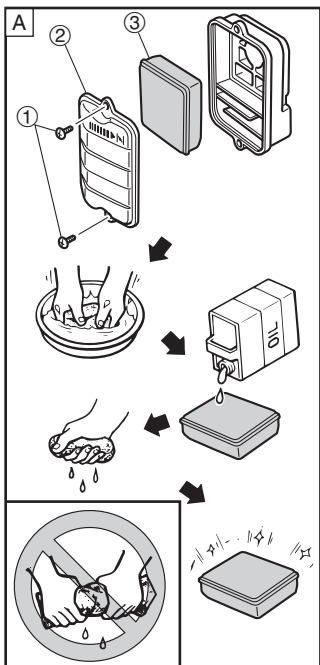
Recommended engine oil grade:

API Service SE type or higher

Engine oil quantity:

MZ175	0.6 L (0.63 US qt, 0.53 Imp qt)
MZ200	0.6 L (0.63 US qt, 0.53 Imp qt)
MZ250	1.0 L (1.06 US qt, 0.88 Imp qt)
MZ300 (7VB)	1.0 L (1.06 US qt, 0.88 Imp qt)
MZ300 (7CS)	1.1 L (1.16 US qt, 0.97 Imp qt)
MZ360	1.1 L (1.16 US qt, 0.97 Imp qt)

7. Install the oil filler cap.



## Air filter

1. Remove the screws, and then remove the air filter case cover.

- ① Screw
- ② Air filter case cover

2. Remove the foam element.

- ③ Foam element

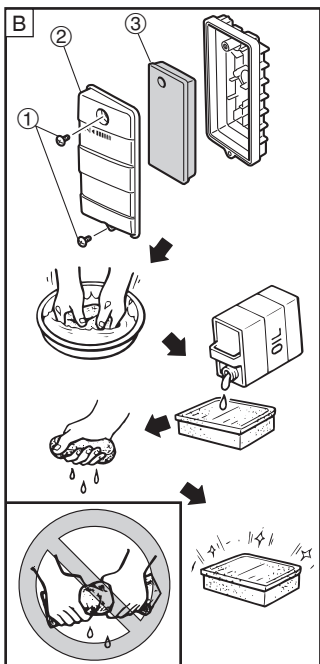
3. Wash the foam element in solvent and dry it.

### **⚠ WARNING**

**Never use solvent while smoking or in the vicinity of an open flame.**

4. Oil the foam element and squeeze out excess oil. The foam element should be wet but not dripping.

Recommended oil:  
Foam-air-filter oil or engine oil (See page 34)



### **NOTICE**

**Do not wring out the foam element when squeezing it. This could cause it to tear.**

5. Insert the foam element into the air filter case.

### **TIP**

Be sure the foam element sealing surface matches the air filter case so there is no air leak.

### **NOTICE**

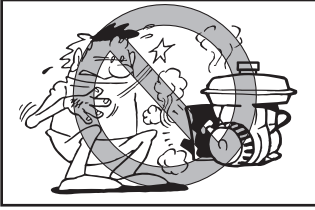
**The engine should never run without the foam element; excessive piston and cylinder wear may result.**

6. Install the air filter case cover and tighten the screws.

Ⓐ MZ175, MZ200, MZ300 (7CS), MZ360

Ⓑ MZ250, MZ300 (7VB)



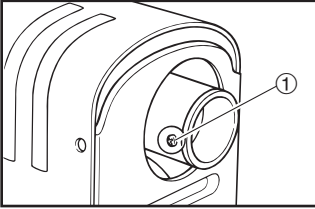


## Spark arrester

### **⚠ WARNING**

The engine and muffler will be very hot after the engine has been run.

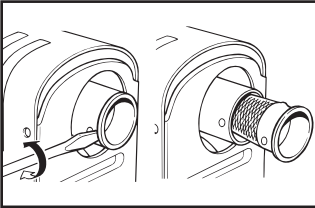
Avoid touching the engine and muffler while they are still hot with any part of your body or clothing during inspection or repair.



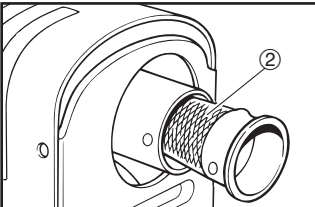
(For MZ250, MZ300 (7VB))

1. Remove the screw.

① Screw

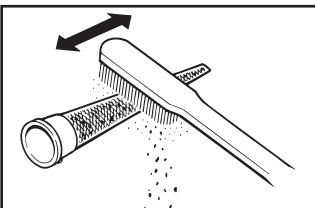


2. Use a flathead screw driver to pry the spark arrester out from the muffler.



3. Remove the spark arrester.

② Spark arrester

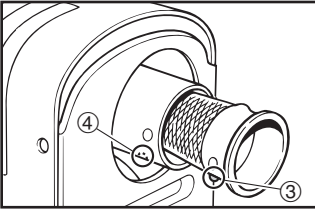


4. Remove the carbon deposits on the spark arrester using a wire brush.

### **NOTICE**

When cleaning, use the wire brush lightly to avoid damaging or scratching of the spark arrester.

5. Check the spark arrester.  
Replace it if damaged.



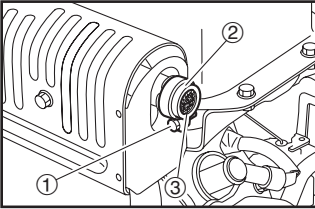
6. Install the spark arrester.

**TIP**

Align the spark arrester lump with the hole in the muffler pipe.

- ③ Spark arrester lump
- ④ Hole

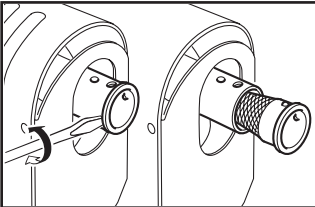
7. Install the screw, and then tighten the screw.



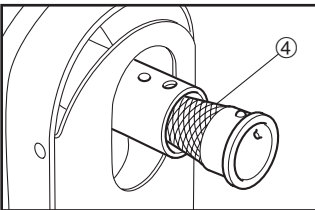
(For MZ175, MZ200, MZ360)

1. Loosen the muffler cap bolt and then remove the muffler cap and muffler screen.

- ① Muffler cap bolt
- ② Muffler cap
- ③ Muffler screen

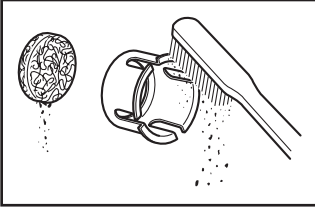


2. Use a flathead screw driver to pry the spark arrester out from the muffler.



3. Remove the spark arrester.

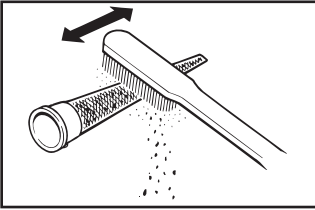
- ④ Spark arrester



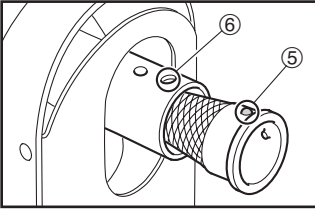
4. Remove the carbon deposits on the muffler cap, muffler screen and spark arrester using a wire brush.

**NOTICE**

When cleaning, use the wire brush lightly to avoid damaging or scratching of the muffler screen and spark arrester.



5. Check the muffler screen and spark arrester. Replace them if damaged.

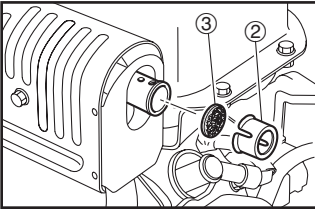


6. Install the spark arrester.

**TIP**

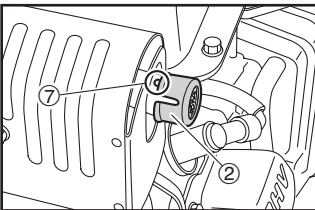
Align the spark arrester lump with the hole in the muffler pipe.

- ⑤ Spark arrester lump
- ⑥ Hole



7. Install the muffler screen to the muffler cap, then install the muffler cap to the muffler.

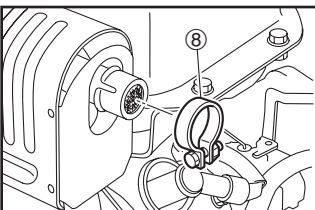
- ② Muffler cap
- ③ Muffler screen



**TIP**

Install the muffler cap until it contacts with the projection on the muffler.

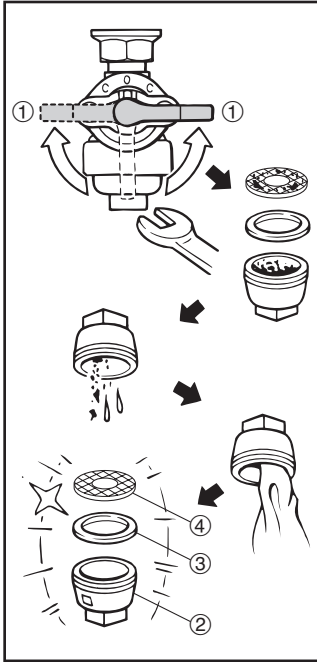
- ⑦ Projection



8. Install the muffler band, then tighten the muffler cap bolt.

- ⑧ Muffler band

Muffler cap bolt tightening torque:  
3.5 Nm (0.35 m·kgf, 2.5 ft·lbf)



## Fuel cock

### **! WARNING**

**Never use the gasoline while smoking or in the vicinity of an open flame.**

1. Stop the engine.
2. Turn the fuel cock lever to OFF.

① OFF

3. Remove the fuel cock cup, gasket and fuel strainer.

② Fuel cock cup

③ Gasket

④ Fuel strainer

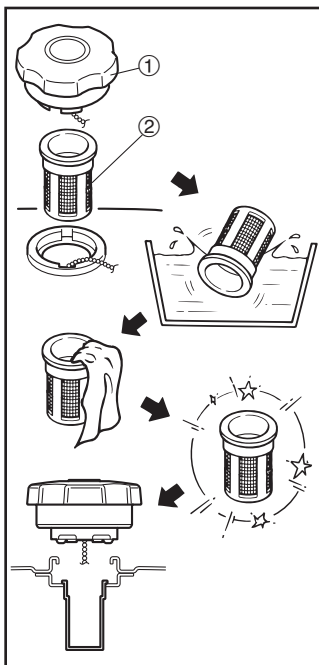
4. Clean the cup and fuel strainer with gasoline and wipe it off.

5. Check the gasket. Replace it if damaged.

6. Install the fuel strainer, gasket and fuel cock cup.

### **! WARNING**

**Be sure the fuel cock cup is tightened securely.**



## Fuel tank filter (For models equipped with a Yamaha fuel tank)

### **⚠ WARNING**

Never use the gasoline while smoking or in the vicinity of an open flame.

1. Remove the fuel tank cap and fuel tank filter.

- ① Fuel tank cap
- ② Fuel tank filter

2. Clean the fuel tank filter with gasoline.  
Replace it if damaged.

3. Wipe the fuel tank filter and insert it.

4. Install the fuel tank cap.

### **⚠ WARNING**

Be sure the fuel tank cap is tightened securely.

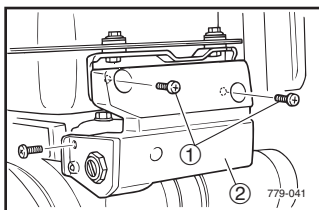
## Fuse replacement (For electric starting model)

### **⚠ WARNING**

Be sure to use specified fuse. A wrong fuse will cause electrical system damage and A FIRE HAZARD.

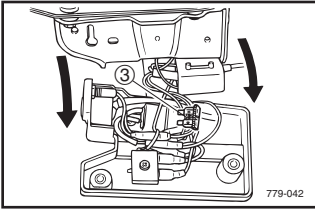
### **NOTICE**

Be sure the engine switch is turned to “” (STOP) to prevent accidental short circuiting.



1. Remove the screws and then remove the cover.

- ① Screw
- ② Cover



2. Replace the blown fuse with one of proper amperage.

Specified fuse:  
10 A

**TIP** \_\_\_\_\_

If the fuse immediately blows again, consult a Yamaha dealer.

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- ③ Fuse

3. Install the cover and then tighten the screws.

## STORAGE

Long term storage of your machine will require some preventive procedures to guard against deterioration.

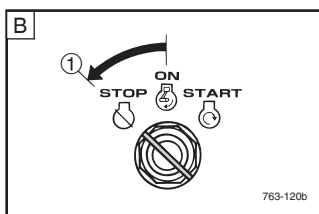
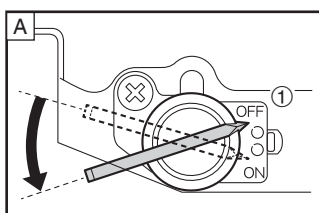
### Drain the fuel

1. Turn the engine switch to "OFF"/"⊗" (STOP).

① "OFF"/"⊗" (STOP)

**A** Manual starting model

**B** Electric starting model



2. Remove the fuel tank cap and fuel tank filter. Extract the fuel from the fuel tank into an approved gasoline container using a commercially available hand siphon. Then, install the fuel tank filter and fuel tank cap.

### **WARNING**

**Fuel is highly flammable and poisonous. Check "SAFETY INFORMATION" (See page 1) carefully.**

### **NOTICE**

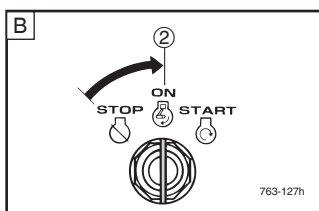
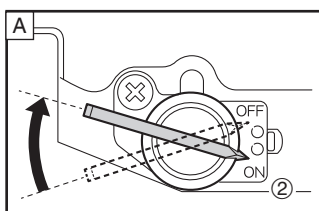
**Immediately wipe off spilled fuel with a clean, dry, soft cloth, since fuel may deteriorate painted surfaces or plastic parts.**

3. Turn the engine switch to "ON"/"⊗" (ON).

② "ON"/"⊗" (ON)

**A** Manual starting model

**B** Electric starting model





4. Turn the fuel cock lever to ON.

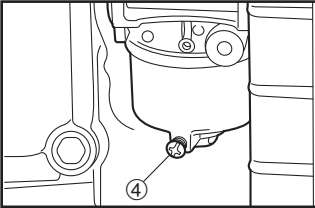
③ ON

5. Start the engine and leave it run until it stops.  
The engine stops in approximately 20 minutes time by running out of fuel.

**TIP** \_\_\_\_\_

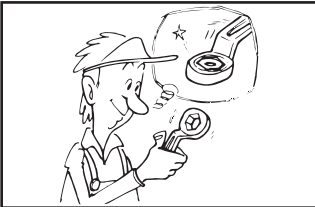
Duration of the running engine depends on the amount of the fuel left in the tank.

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6. Drain the fuel from the carburetor into a clean container by loosening the drain screw on the carburetor float chamber. Pour the drained fuel into the same approved gasoline container as the fuel from the fuel tank.

④ Drain Screw



7. Turn the engine switch to "OFF"/"⊗" (STOP).

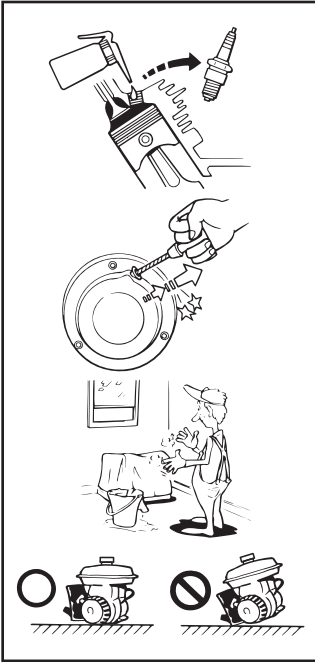
8. Turn the fuel cock lever to OFF.

9. Tighten the drain screw.

10. Tighten further if any screws, bolts and nuts are loose.

11. Store the multi-purpose engine in a dry, well-ventilated place, with the cover placed over it.

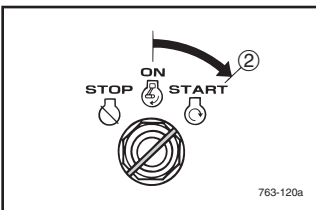
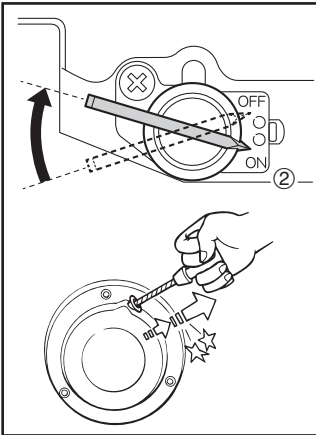
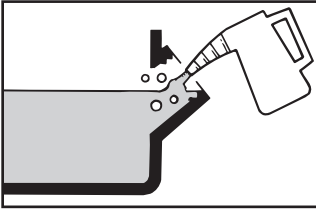
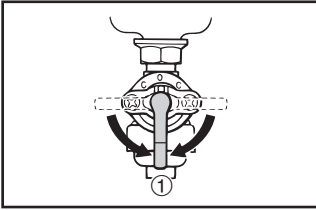
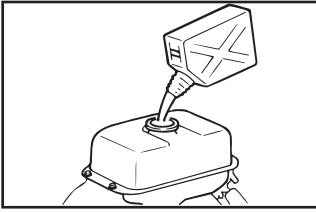




## Engine

Perform the following steps to protect the cylinder, piston ring, etc. from corrosion.

1. Remove the spark plug, pour about one tablespoon of engine oil (See page 34) into the spark plug hole and reinstall the spark plug. Recoil start the engine by turning over several times (with ignition off) to coat the cylinder walls with oil.
2. Pull the recoil starter until you feel compression. Then stop pulling. (This prevents the cylinder and valves from rusting).
3. Clean exterior of the multi-purpose engine and apply a rust inhibitor.
4. Store the multi-purpose engine in a dry, well-ventilated place, with the cover placed over it.
5. The multi-purpose engine must remain in a vertical position when stored, carried or operated.



## TROUBLESHOOTING

### Engine won't start

#### 1. Fuel systems

No fuel supplied to combustion chamber.

- No fuel in tank .... Supply fuel.
- Fuel in tank .... Fuel cock lever to ON.

#### ① ON

- Clogged fuel line .... Clean fuel line.
- Foreign matter in fuel cock .... Clean fuel cock.
- Clogged carburetor .... Clean carburetor.

#### 2. Engine oil system

Insufficient

- Oil level is low .... Add engine oil.

#### 3. Electrical systems

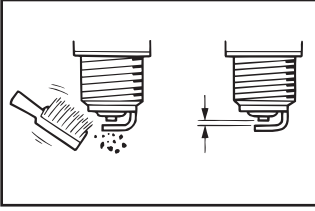
- (Manual starting model) Engine switch to "ON" and pull the recoil starter.

#### ② "ON"

- (Electric starting model) Engine switch to "START".

#### ② "START" (START)

763-120a



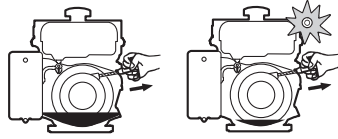
#### Poor spark

- Spark plug dirty with carbon or wet .... Remove carbon or wipe spark plug dry.
- Faulty ignition system .... Consult a Yamaha dealer.

(Manual starting model)

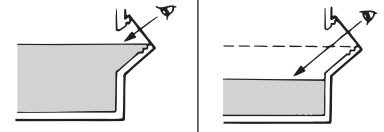
**A** ENGINE DOES NOT START

**B** Turn the engine switch to "ON", then pull the recoil starter and check if the oil warning light flickers.



**C** Does not flicker      **D** Flickers

**E** Check engine oil level.



<b>F</b> OK	<b>G</b> Level low
Consult a Yamaha dealer.	Add engine oil.

**H** Pull the recoil starter and check the spark plug for spark strength. (See "WARNING")



**! WARNING**

- To prevent **FIRE HAZARDS** be sure fuel is not present in the spark plug area.
- To prevent **FIRE HAZARDS** be sure to place the spark plug as far away as possible from the spark plug hole and carburetor area.
- To prevent **ELECTRIC SHOCK** do not hold spark plug lead with hand while testing.

**I** OK      **J** Does not spark

**K** Check the spark plug.

- Type: BPR4ES
- Gap: 0.7–0.8 mm (0.028–0.031 in)



<b>L</b> Incorrect	<b>M</b> OK
Replace or adjust gap.	Clean the spark plug.

**N** Check the following.

- Fuel line clogging
- Air filter element clogging.

<b>O</b> Clogged
<b>P</b> OK

<b>Q</b> Clean or replace.	<b>R</b> OK
<b>S</b> Engine does not start.	

**T** Consult a Yamaha dealer.



(Electric starting model)

A ENGINE DOES NOT START



B Turn the engine switch to "ON" (ON), then turn the engine switch to "START" (START). And check if the starter motor cranks.

C Cranks	D Does not crank
----------	------------------



F Turn the engine switch to "START" (START), and check if the oil warning light comes on.

G Does not come on	H Comes on
--------------------	------------



L Turn the engine switch to "START" (START) and check the spark plug for spark strength. (See "WARNING").

**! WARNING**

- To prevent FIRE HAZARDS be sure fuel is not present in the spark plug area.
- To prevent FIRE HAZARDS be sure to place the spark plug as far away as possible from the spark plug hole and carburetor area.
- To prevent ELECTRIC SHOCK do not hold spark plug lead with hand while testing.

M OK	N Does not spark.
------	-------------------



R Check the following

- Fuel cock clogging
- Air cleaner element clogging.

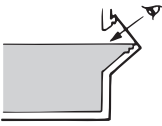
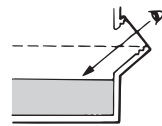
S	Clogged
T	OK

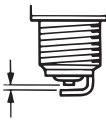

U Clean or replace	V OK
	W Engine does not start.



X Consult a Yamaha dealer.

**E** Faulty battery and/or starter motor.  
Consult a Yamaha dealer.

<b>I</b> Check engine oil level.	
	
<b>J</b> OK	<b>K</b> Level low
Consult a Yamaha dealer.	Add engine oil.

<b>O</b> Check the spark plug.	
<ul style="list-style-type: none"> <li>• Type: BPR4ES</li> <li>• Gap: 0.7–0.8 mm (0.028–0.031 in)</li> </ul>	
	
<b>P</b> Incorrect	<b>Q</b> OK
Replace or adjust gap.	Clean the spark plug.

# SPECIFICATIONS

## Dimensions

	Unit	MZ175	MZ175	MZ175
		7CN	7CN	7CP
		With fuel tank model	Without fuel tank model	With fuel tank model
Overall length	mm (in)	326 (12.83)	337 (13.27)	317 (12.48)
Overall width	mm (in)	352 (13.86)	352 (13.86)	361 (14.21)
Overall height	mm (in)	407 (16.02)	238 (9.37)	407 (16.02)
Dry weight	kg (lb)	13–20 (29–44)	13–20 (29–44)	13–20 (29–44)

	Unit	MZ200	MZ200	MZ250
		7DH	7DH	7KB
		With fuel tank model	Without fuel tank model	With fuel tank model
Overall length	mm (in)	326 (12.83)	337 (13.27)	387 (15.24)
Overall width	mm (in)	352 (13.86)	352 (13.86)	426 (16.77)
Overall height	mm (in)	407 (16.02)	238 (9.37)	464 (18.27)
Dry weight	kg (lb)	13–20 (29–44)	13–20 (29–44)	20–27 (44–60)

	Unit	MZ250	MZ300	MZ300
		7KB	7VB	7VB
		Without fuel tank model	With fuel tank model	Without fuel tank model
Overall length	mm (in)	404 (15.91)	387 (15.24)	404 (15.91)
Overall width	mm (in)	416 (16.38)	426 (16.77)	416 (16.38)
Overall height	mm (in)	294.5 (11.59)	464 (18.27)	294.5 (11.59)
Dry weight	kg (lb)	20–27 (44–60)	20–27 (44–60)	20–27 (44–60)

	Unit	MZ300	MZ360	MZ360
		7CS	7CT	7CT
		Without fuel tank model	With fuel tank model	Without fuel tank model
Overall length	mm (in)	443 (17.44)	425 (16.73)	443 (17.44)
Overall width	mm (in)	470 (18.50)	451 (17.76)	452 (17.80)
Overall height	mm (in)	327 (12.87)	485 (19.09)	306 (12.05)
Dry weight	kg (lb)	31–40 (68–88)	31–40 (68–88)	31–40 (68–88)

	Unit	MZ360	MZ360
		7BY	7CN
		Without fuel tank model	Without fuel tank model
Overall length	mm (in)	381 (15.00)	443 (17.44)
Overall width	mm (in)	436 (17.17)	470 (18.50)
Overall height	mm (in)	319 (12.56)	327 (12.87)
Dry weight	kg (lb)	31–40 (68–88)	31–40 (68–88)



## Engine

	Unit	MZ175	MZ175	MZ175
		7CN	7CN	7CP
		With fuel tank model	Without fuel tank model	With fuel tank model
Type		Air cooled 4-stroke gasoline OHV	Air cooled 4-stroke gasoline OHV	Air cooled 4-stroke gasoline OHV
Cylinder arrangement		Inclined, 1 cylinder	Inclined, 1 cylinder	Inclined, 1 cylinder
Displacement	cm <sup>3</sup>	171	171	171
Bore × stroke	mm (in)	66.0 × 50.0 (2.60 × 1.97)	66.0 × 50.0 (2.60 × 1.97)	66.0 × 50.0 (2.60 × 1.97)
Fuel		Unleaded gasoline	Unleaded gasoline	Unleaded gasoline
Fuel tank capacity	L (US gal, Imp gal)	4.0 (1.06, 0.88)	—	4.0 (1.06, 0.88)
Engine oil quantity	L (US qt, Imp qt)	0.6 (0.63, 0.53)	0.6 (0.63, 0.53)	0.6 (0.63, 0.53)
Ignition system		TCI	TCI	TCI
Spark plug: Type		BPR4ES (NGK)	BPR4ES (NGK)	BPR4ES (NGK)
Gap	mm (in)	0.7–0.8 (0.028–0.031)	0.7–0.8 (0.028–0.031)	0.7–0.8 (0.028–0.031)

	Unit	MZ200	MZ200	MZ250
		7DH	7DH	7KB
		With fuel tank model	Without fuel tank model	With fuel tank model
Type		Air cooled 4-stroke gasoline OHV	Air cooled 4-stroke gasoline OHV	Air cooled 4-stroke gasoline OHV
Cylinder arrangement		Inclined, 1 cylinder	Inclined, 1 cylinder	Inclined, 1 cylinder
Displacement	cm <sup>3</sup>	192	192	253
Bore × stroke	mm (in)	70.0 × 50.0 (2.76 × 1.97)	70.0 × 50.0 (2.76 × 1.97)	74.0 × 59.0 (2.91 × 2.32)
Fuel		Unleaded gasoline	Unleaded gasoline	Unleaded gasoline
Fuel tank capacity	L (US gal, Imp gal)	4.0 (1.06, 0.88)	—	5.5 (1.45, 1.21)
Engine oil quantity	L (US qt, Imp qt)	0.6 (0.63, 0.53)	0.6 (0.63, 0.53)	1.0 (1.06, 0.88)
Ignition system		TCI	TCI	TCI
Spark plug: Type		BPR4ES (NGK)	BPR4ES (NGK)	BPR4ES (NGK)
Gap	mm (in)	0.7–0.8 (0.028–0.031)	0.7–0.8 (0.028–0.031)	0.7–0.8 (0.028–0.031)

	Unit	MZ250	MZ300	MZ300
		7KB	7VB	7VB
		Without fuel tank model	With fuel tank model	Without fuel tank model
Type		Air cooled 4-stroke gasoline OHV	Air cooled 4-stroke gasoline OHV	Air cooled 4-stroke gasoline OHV
Cylinder arrangement		Inclined, 1 cylinder	Inclined, 1 cylinder	Inclined, 1 cylinder
Displacement	cm <sup>3</sup>	253	296	296
Bore × stroke	mm (in)	74.0 × 59.0 (2.91 × 2.32)	80.0 × 59.0 (3.15 × 2.32)	80.0 × 59.0 (3.15 × 2.32)
Fuel		Unleaded gasoline	Unleaded gasoline	Unleaded gasoline
Fuel tank capacity	L (US gal, Imp gal)	—	5.5 (1.45, 1.21)	—
Engine oil quantity	L (US qt, Imp qt)	1.0 (1.06, 0.88)	1.0 (1.06, 0.88)	1.0 (1.06, 0.88)
Ignition system		TCI	TCI	TCI
Spark plug: Type		BPR4ES (NGK)	BPR4ES (NGK)	BPR4ES (NGK)
Gap	mm (in)	0.7–0.8 (0.028–0.031)	0.7–0.8 (0.028–0.031)	0.7–0.8 (0.028–0.031)

	Unit	MZ300	MZ360	MZ360
		7CS	7CT	7CT
		Without fuel tank model	With fuel tank model	Without fuel tank model
Type		Air cooled 4-stroke gasoline OHV	Air cooled 4-stroke gasoline OHV	Air cooled 4-stroke gasoline OHV
Cylinder arrangement		Inclined, 1 cylinder	Inclined, 1 cylinder	Inclined, 1 cylinder
Displacement	cm <sup>3</sup>	301	357	357
Bore × stroke	mm (in)	78.0 × 63.0 (3.07 × 2.48)	85.0 × 63.0 (3.35 × 2.48)	85.0 × 63.0 (3.35 × 2.48)
Fuel		Unleaded gasoline	Unleaded gasoline	Unleaded gasoline
Fuel tank capacity	L (US gal, Imp gal)	—	6.1 (1.61, 1.34)	—
Engine oil quantity	L (US qt, Imp qt)	1.1 (1.16, 0.97)	1.1 (1.16, 0.97)	1.1 (1.16, 0.97)
Ignition system		TCI	TCI	TCI
Spark plug: Type		BPR4ES (NGK)	BPR4ES (NGK)	BPR4ES (NGK)
Gap	mm (in)	0.7–0.8 (0.028–0.031)	0.7–0.8 (0.028–0.031)	0.7–0.8 (0.028–0.031)

	Unit	MZ360	MZ360
		7BY	7CN
		Without fuel tank model	Without fuel tank model
Type		Air cooled 4-stroke gasoline OHV	Air cooled 4-stroke gasoline OHV
Cylinder arrangement		Inclined, 1 cylinder	Inclined, 1 cylinder
Displacement	cm <sup>3</sup>	357	357
Bore × stroke	mm (in)	85.0 × 63.0 (3.35 × 2.48)	85.0 × 63.0 (3.35 × 2.48)
Fuel		Unleaded gasoline	Unleaded gasoline
Fuel tank capacity	L (US gal, Imp gal)	—	—
Engine oil quantity	L (US qt, Imp qt)	1.1 (1.16, 0.97)	1.1 (1.16, 0.97)
Ignition system		TCI	TCI
Spark plug: Type		BPR4ES (NGK)	BPR4ES (NGK)
Gap	mm (in)	0.7–0.8 (0.028–0.031)	0.7–0.8 (0.028–0.031)

# CONSUMER INFORMATION

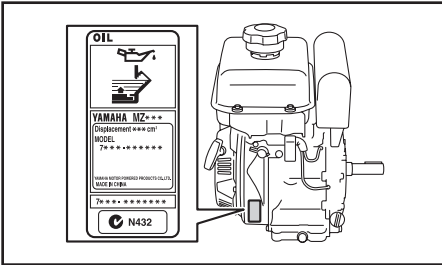
PRI-I.D. NUMBER:

	<b>MODEL</b>	
	<input type="text"/>	
<b>PRI-I.D. CODE</b>		<b>SERIAL No.</b>
<input type="text"/>		<input type="text"/>

## Identification number records

Record your Primary I.D., and serial numbers in the spaces provided, to assist you in ordering spare parts from a Yamaha dealer.

Also record and keep these I.D. numbers in a separate place in case your machine is stolen.



## Machine identification

The machine serial number is stamped in the location as shown.

### TIP

The first three digits of these numbers are for model identification; the remaining digits are the unit production number. Keep a record of these numbers for reference when ordering parts from a Yamaha dealer.

## EXHAUST EMISSION CONTROL SYSTEM AND COMPONENTS

Item	Acronym
• CARB. ASSY., LH. & JT., ..... CARBURETOR2	CARB (Carburetor)
• T.C.I. MAGNETO ASSY. & ..... PLUG, SPARK	EI (Electronic Ignition)
• CRANKCASE1 & HEAD, ..... CYLINDER1	PCV (Positive Crankcase Ventilation)
• AIR FILTER ASSY. ....	ACL (Air Cleaner)
• MUFF., 2, CAP, NET, WIRE2 & ARRESTER, SPARK	

The above items and the corresponding acronyms are provided in accordance with U.S. EPA REGULATIONS FOR NEW NONROAD SPARK-IGNITION NONHANDHELD ENGINES and the CALIFORNIA REGULATIONS FOR 1995 AND LATER SMALL OFF-ROAD ENGINES.

The acronyms conform to the latest version of the SAE's recommended practice document J1930, "Diagnostic Acronyms, Terms, and Definitions For Electrical/Electronic System".

It is recommended that these items be serviced by a Yamaha dealer.

