



OWNER'S MANUAL

**TTR**  
TTR250N(C)

Dear Yamaha ATV Owner: Please Review this IMPORTANT SAFETY CARD before operating your ATV (If card is not attached, call 1-800-344-6418).

Dear New Yamaha ATV Owner:

CONGRATULATIONS ON THE PURCHASE OF YOUR NEW YAMAHA ATV. You have purchased a quality Yamaha product that, with proper use and care, will provide hours of riding pleasure. **BEFORE YOU OPERATE YOUR NEW ATV, Yamaha recommends these important points:**

- READ YOUR OWNERS MANUAL
- A CHILD UNDER 12 YEARS OLD SHOULD NOT OPERATE AN ATV WITH ENGINE SIZE 700CC OR GREATER
- A CHILD UNDER 16 YEARS OLD SHOULD NOT OPERATE AN ATV WITH ENGINE SIZE GREATER THAN 900CC
- TAKE THE FREE HANDS-ON TRAINING COURSE OFFERED BY YAMAHA — ASK YOUR DEALER FOR DETAILS OR CALL 1-800-447-4700

If you have any questions about these points, **or if you purchased your ATV from an authorized Yamaha dealership and were not informed of the age recommendation for your ATV by the dealership**, please fill out the information below and mail this card to Yamaha **today**.

Name:

ATV Model:

Purchase Date:

Address:

Primary I.D. (Engine Number):

MO. DAY YR.

Telephone:

Dealer Name & Address:

**This is not a warranty card**



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**YAMAHA MOTOR CORPORATION U.S.A.  
P.O. BOX 6555  
CYPRESS, CALIFORNIA 90630-9989**

**ATTN: SALES ADMINISTRATION**



EAU03438

## **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

## INTRODUCTION

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Congratulations on your purchase of the Yamaha TTR250. This model is the result of Yamaha's vast experience in the production of fine sporting, touring, and pacesetting racing machines. It represents the high degree of craftsmanship and reliability that have made Yamaha a leader in these fields.

This manual will give you an understanding of the operation, inspection, and basic maintenance of this machine. If you have any questions concerning the operation or maintenance of your machine, please consult a Yamaha dealer.

## IMPORTANT MANUAL INFORMATION

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



The Safety Alert Symbol means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!**

### **WARNING**

Failure to follow **WARNING** instructions could result in severe injury or death to the machine operator, a bystander or a person inspecting or repairing the machine.

### **CAUTION:**

A **CAUTION** indicates special precautions that must be taken to avoid damage to the machine.

### **NOTE:**

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

### **NOTE:**

- This manual should be considered a permanent part of this machine and should remain with it even if the machine is subsequently sold.
- 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 you have any questions concerning this manual, please consult your Yamaha dealer.

## IMPORTANT MANUAL INFORMATION

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### **⚠ WARNING**

EW000000

PLEASE READ THIS MANUAL AND THE “YOU AND YOUR MACHINE: RIDING TIPS” BOOKLET CAREFULLY AND COMPLETELY BEFORE OPERATING THIS MACHINE. DO NOT ATTEMPT TO OPERATE THIS MACHINE UNTIL YOU HAVE ATTAINED ADEQUATE KNOWLEDGE OF ITS CONTROLS AND OPERATING FEATURES AND UNTIL YOU HAVE BEEN TRAINED IN SAFE AND PROPER RIDING TECHNIQUES. REGULAR INSPECTIONS AND CAREFUL MAINTENANCE, ALONG WITH GOOD RIDING SKILLS, WILL ENSURE THAT YOU SAFELY ENJOY THE CAPABILITIES AND THE RELIABILITY OF THIS MACHINE.

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### **⚠ WARNING**

EAU00006

THIS MACHINE IS DESIGNED AND MANUFACTURED FOR OFF-ROAD USE ONLY. IT IS ILLEGAL TO OPERATE THIS MACHINE ON ANY PUBLIC STREET, ROAD OR HIGHWAY. SUCH USE IS PROHIBITED BY LAW. THIS MACHINE COMPLIES WITH ALMOST ALL STATE OFF-HIGHWAY NOISE LEVEL AND SPARK ARRESTER LAWS AND REGULATIONS. PLEASE CHECK YOUR LOCAL RIDING LAWS AND REGULATIONS BEFORE OPERATING THIS MACHINE.

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AFFIX DEALER

LABEL HERE

EAU03336

**TTR250N(C)**  
**OWNER'S MANUAL**  
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**1st Edition, June 2000**  
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## SAFETY INFORMATION

EAU02912

MACHINES ARE SINGLE TRACK VEHICLES. THEIR SAFE USE AND OPERATION ARE DEPENDENT UPON THE USE OF PROPER RIDING TECHNIQUES AS WELL AS THE EXPERTISE OF THE OPERATOR. EVERY OPERATOR SHOULD KNOW THE FOLLOWING REQUIREMENTS BEFORE RIDING THIS MACHINE.

HE OR SHE SHOULD:

1. OBTAIN THOROUGH INSTRUCTIONS FROM A COMPETENT SOURCE ON ALL ASPECTS OF MACHINE OPERATION.
2. OBSERVE THE WARNINGS AND MAINTENANCE REQUIREMENTS IN THE OWNER'S MANUAL.
3. OBTAIN QUALIFIED TRAINING IN SAFE AND PROPER RIDING TECHNIQUES.
4. OBTAIN PROFESSIONAL TECHNICAL SERVICE AS INDICATED BY THE OWNER'S MANUAL AND/OR WHEN MADE NECESSARY BY MECHANICAL CONDITIONS.

### Safe riding

1. Always make pre-operation checks. Careful checks may help prevent an accident.
2. This machine is designed for off-road use only, therefore, it is illegal to operate it on public streets, roads, or highways. Off-road use on public lands may be illegal. Please check local regulations before riding.
3. This machine is designed to carry the operator only. No passengers.
4. Many accidents involve inexperienced operators.
  - a. Make sure that you are qualified and that you only lend your machine to other qualified operators.
  - b. Know your skills and limits. Staying within your limits may help you to avoid an accident.
5. Many accidents have been caused by error of the machine operator. A typical error made by the operator is veering wide on a turn due to EXCESSIVE SPEED or undercornering (insufficient lean angle for the speed). Never travel faster than warranted by conditions.



## SAFETY INFORMATION

6. Ride cautiously in unfamiliar areas. You may encounter hidden obstacles that could cause an accident.
7. The posture of the operator is important for proper control. The operator should keep both hands on the handlebar and both feet on the operator footrests during operation to maintain control of the machine.
8. Never ride under the influence of alcohol or other drugs.

### Protective apparel

The majority of fatalities from machine accidents are the result of head injuries. The use of a safety helmet is the single most critical factor in the prevention or reduction of head injuries.

1. Always wear an approved helmet.
2. Wear a face shield or goggles. Wind in your unprotected eyes could contribute to an impairment of vision that could delay seeing a hazard.
3. The use of a jacket, heavy boots, trousers, gloves, etc., is effective in preventing or reducing abrasions or lacerations.
4. Never wear loose-fitting clothes, otherwise they could catch on the control levers, footrests, or wheels and cause injury or an accident.
5. Never touch the engine or exhaust system during or after operation. They become very hot and can cause burns. Always wear protective clothing that covers your legs, ankles, and feet.



## SAFETY INFORMATION

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### Modifications

Modifications made to this machine not approved by Yamaha, or the removal of original equipment, may render the machine unsafe for use and may cause severe personal injury. Modifications may also make your machine illegal to use.

### Loading and accessories

Adding accessories or cargo to your machine can adversely affect stability and handling if the weight distribution of the machine is changed. To avoid the possibility of an accident, use extreme caution when adding cargo or accessories to your machine. Use extra care when riding a machine that has added cargo or accessories. Here are some general guidelines to follow if loading cargo or adding accessories to your machine:

#### Loading

The total weight of the operator, accessories and cargo must not exceed the maximum load limit of 90 kg (198 lb). When loading within this weight limit, keep the following in mind:

1. Cargo and accessory weight should be kept as low and close to the machine as possible. Make sure to distribute the weight as evenly as possible on both sides of the machine to minimize imbalance or instability.
2. Shifting weights can create a sudden imbalance. Make sure that accessories and cargo are securely attached to the machine before riding. Check accessory mounts and cargo restraints frequently.
3. Never attach any large or heavy items to the handlebar, front fork, or front fender. These items, including such cargo as sleeping bags, duffel bags, or tents, can create unstable handling or a slow steering response.



## SAFETY INFORMATION

### Accessories

Genuine Yamaha accessories have been specifically designed for use on this machine. Since Yamaha cannot test all other accessories that may be available, you must personally be responsible for the proper selection, installation and use of non-Yamaha accessories. Use extreme caution when selecting and installing any accessories.

Keep these guidelines in mind for mounting accessories in addition to those provided under "Loading".

1. Never install accessories or carry cargo that would impair the performance of your machine. Carefully inspect the accessory before using it to make sure that it does not in any way reduce ground clearance or cornering clearance, limit suspension travel, steering travel or control operation, or obscure lights or reflectors.
  - a. Accessories fitted to the handlebar or the front fork area can create instability due to improper weight distribution or aerodynamic changes. If accessories are added to the handlebar or front fork area, they must be as lightweight as possible and should be kept to a minimum.
  - b. Bulky or large accessories may seriously affect the stability of the machine due to aerodynamic effects. Wind may attempt to lift the machine, or the machine may become unstable in cross winds.
  - c. Certain accessories can displace the operator from his or her normal riding position. This improper position limits the freedom of movement of the operator and may limit control ability, therefore, such accessories are not recommended.
2. Use caution when adding electrical accessories. If electrical accessories exceed the capacity of the machine's electrical system an electric failure could result, which could cause a dangerous loss of lights or engine power.



## SAFETY INFORMATION

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### Gasoline and exhaust gas

1. GASOLINE IS HIGHLY FLAMMABLE:
  - a. Always turn the engine off when refueling.
  - b. Take care not to spill any gasoline on the engine or exhaust pipe(s)/muffler(s) when refueling.
  - c. Never refuel while smoking or in the vicinity of an open flame.
2. Never start the engine or let it run for any length of time in a closed area. The exhaust fumes are poisonous and may cause loss of consciousness and death within a short time. Always operate your machine in an area that has adequate ventilation.
3. Always turn the engine off before leaving the machine unattended and remove the key from the main switch. When parking the machine, note the following:
  - a. The engine and exhaust pipe(s)/muffler(s) may be hot, therefore, park the machine in a place where pedestrians or children are not likely to touch these hot areas.
  - b. Do not park the machine on a slope or soft ground, otherwise it may fall over.
  - c. Do not park the machine near a flammable source (e.g., a kerosene heater, or near an open flame), otherwise it could catch fire.
4. When transporting the machine in another vehicle, make sure that it is kept upright and that the fuel cock(s) are turned to "ON" or "RES" (for vacuum type)/"OFF" (for manual type). If the machine should lean over, gasoline may leak out of the carburetor or fuel tank.
5. If you should swallow any gasoline, inhale a lot of gasoline vapor, or allow gasoline to get into your eyes, see your doctor immediately. If any gasoline spills on your skin or clothing, immediately wash the affected area with soap and water and change your clothes.





## SAFETY INFORMATION

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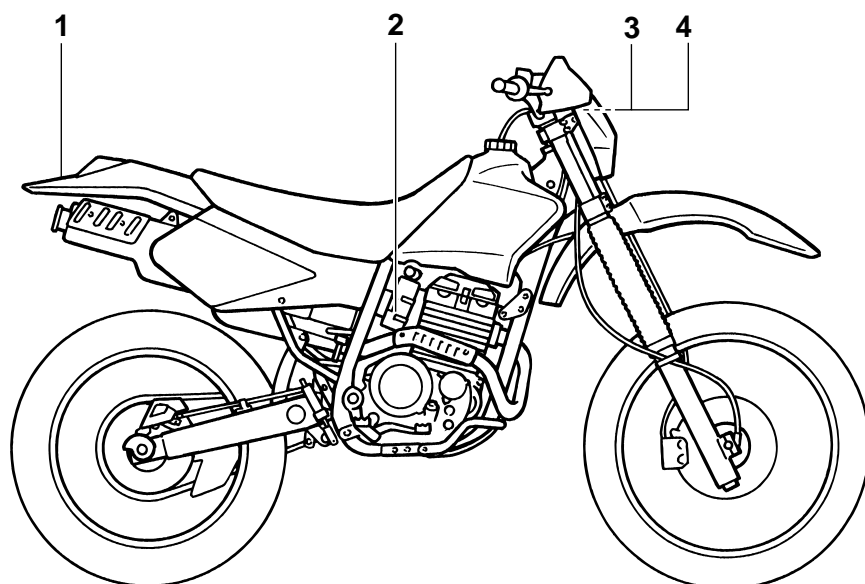
## SAFETY INFORMATION

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EAU02977

### Location of important labels

Please read the following important labels carefully before operating this machine.





## SAFETY INFORMATION

1

### WARNING

Riding as a passenger can cause the vehicle to go out of control.

Loss of control can cause a collision or rollover, which can result in severe injury or death.

**NEVER** ride as a passenger.

3XJ-2151H-A0

3

### WARNING

- **BEFORE YOU OPERATE THIS VEHICLE, READ THE OWNER'S MANUAL AND ALL LABELS.**
- **NEVER CARRY A PASSENGER.** You increase your risk of losing control if you carry a passenger.
- **NEVER OPERATE THIS VEHICLE ON PUBLIC ROADS.** You can collide with another vehicle if you operate this vehicle on a public road.
- **ALWAYS WEAR AN APPROVED MOTORCYCLE HELMET,** eye protection, and protective clothing.
- **EXPERIENCED RIDER ONLY.**

4ES-2118K-A0

2

### WARNING

This unit contains high pressure nitrogen gas. Mishandling can cause explosion.

- Read owner's manual for instructions.
- Do not incinerate, puncture or open.

YAMAHA

4AA-22259-00

4

### TIRE INFORMATION

Cold tire normal pressure should be set as follows.

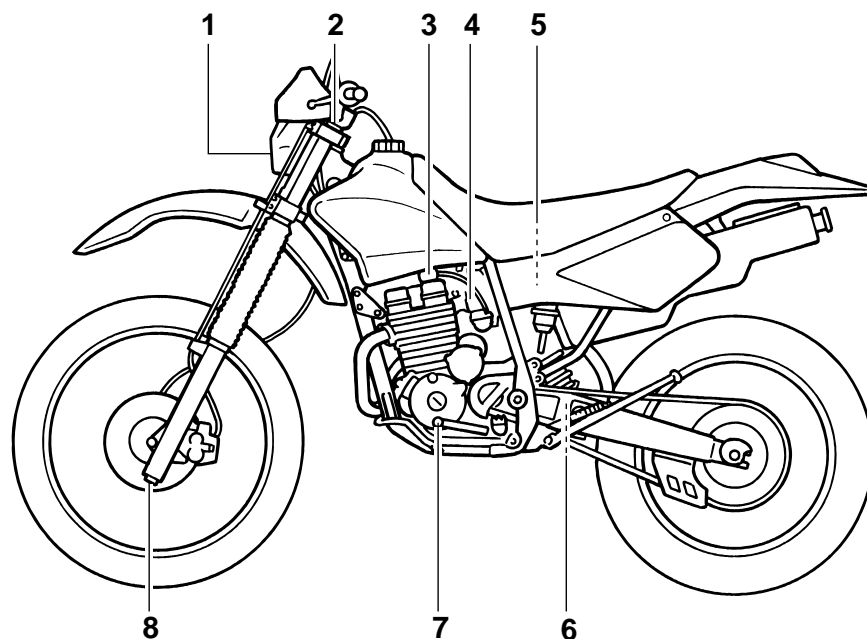
**FRONT** : 100 kPa, {1.00 kgf/cm<sup>2</sup>}, 15 psi  
**REAR** : 100 kPa, {1.00 kgf/cm<sup>2</sup>}, 15 psi

3RV-21668-A0

1

## DESCRIPTION

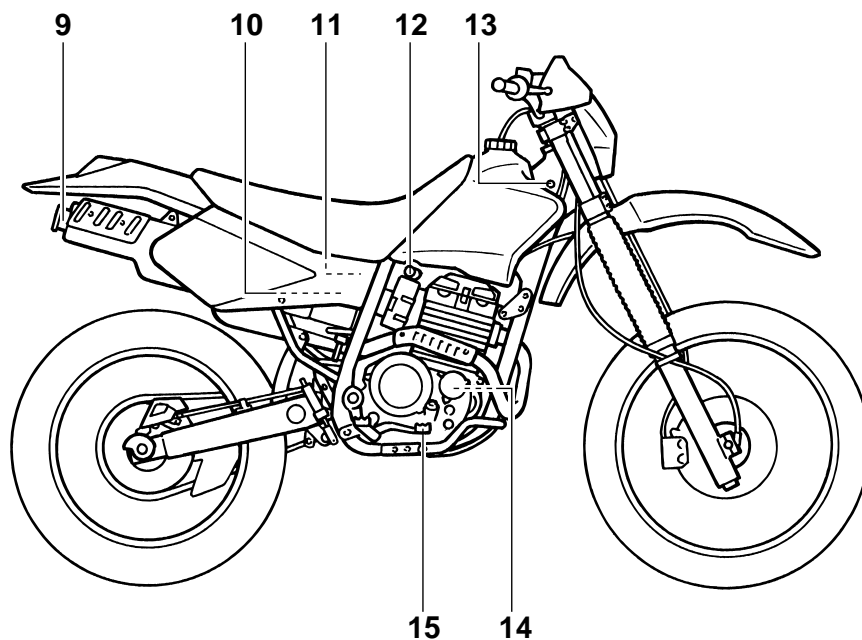
### Left view



- |                             |             |  |             |
|-----------------------------|-------------|--|-------------|
| 1. Headlight                | (page 6-30) | 6. Rear shock absorber rebound<br>damping adjusting dial | (page 3-10) |
| 2. Front fork air valve     | (page 3-7)  | 7. Shift pedal   | (page 3-2)  |
| 3. Fuel cock                | (page 3-5)  | 8. Front fork compression damping<br>adjusting screw     | (page 3-8)  |
| 4. Starter (choke) knob “ ” | (page 3-6)  |  |             |
| 5. Air filter element       | (page 6-11) |  |             |

## DESCRIPTION

### Right view

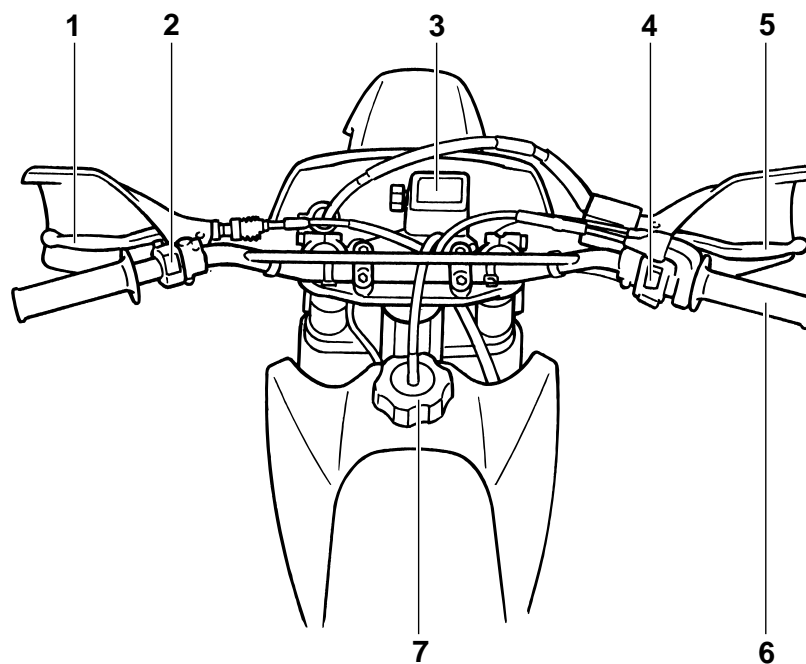


- |   |             |                               |                  |
|---|-------------|-------------------------------|------------------|
| 9. Spark arrester   | (page 6-12) | 14. Engine oil filter element | (page 6-10)      |
| 10. Battery   | (page 6-27) | 15. Brake pedal               | (page 3-3, 6-19) |
| 11. Fuse  | (page 6-29) |                               |                  |
| 12. Rear shock absorber compression<br>damping adjusting knob | (page 3-11) |                               |                  |
| 13. Main switch   | (page 3-1)  |                               |                  |

## DESCRIPTION

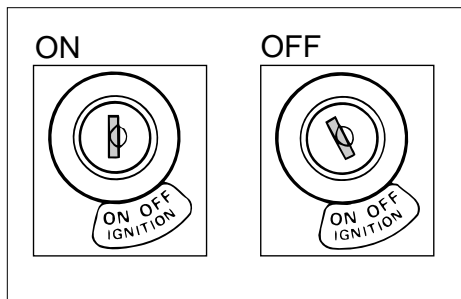
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### Controls and instruments



- |                             |                  |                  |             |
|-----------------------------|------------------|------------------|-------------|
| 1. Clutch lever             | (page 3-2, 6-18) | 6. Throttle grip | (page 6-14) |
| 2. Left handlebar switch    | (page 3-1)       | 7. Fuel tank cap | (page 3-3)  |
| 3. Tripmeter                | (page 3-1)       |                  |             |
| 4. Right handlebar switches | (page 3-2)       |                  |             |
| 5. Brake lever              | (page 3-3, 6-18) |                  |             |

## INSTRUMENT AND CONTROL FUNCTIONS



EAU00028

### Main switch

The main switch controls the ignition and lighting systems. The various main switch positions are described below.

#### ON

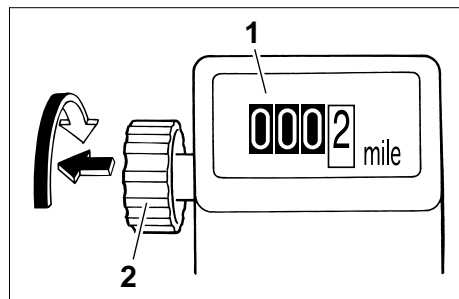
All electrical systems are supplied with power, and the engine can be started. The key cannot be removed.

EAU00036

#### OFF

All electrical systems are off. The key can be removed.

EAU00038

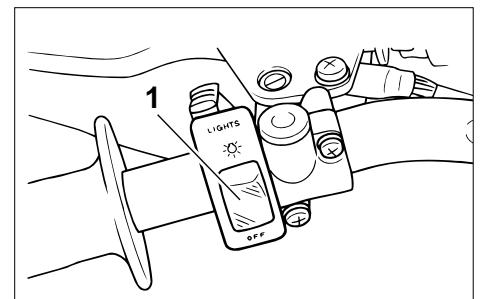


1. Tripmeter
2. Reset knob

EAU01760

### Tripmeter

The tripmeter shows the distance traveled since it was last set to zero with the reset knob. The tripmeter can be used to estimate the distance that can be traveled with a full tank of fuel. This information will enable you to plan future fuel stops.



1. Light switch

EAU00118

### Handlebar switches

EAU01865

#### Light switch

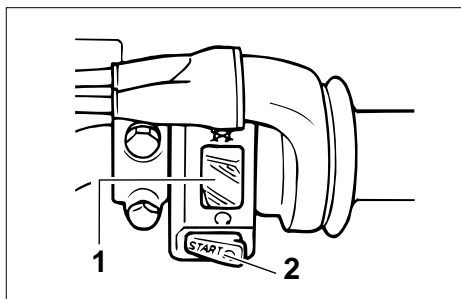
Set this switch to "☀" to turn on the headlight and taillight.

ECA00037

#### CAUTION:

Always turn the key to "OFF" and light switch to "OFF" when the engine is not running, otherwise the headlight will stay on and the battery may discharge due to extended use.

## INSTRUMENT AND CONTROL FUNCTIONS



1. Engine stop switch
2. Start switch "START"

EAU00138

### Engine stop switch

Set this switch to "X" to stop the engine in case of an emergency, such as when the machine overturns or when the throttle cable is stuck.

EAU00141

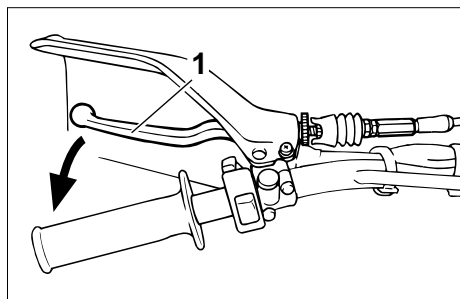
### Start switch "START"

Push this switch to crank the engine with the starter.

EC000005

### CAUTION:

**See page 5-1 for starting instructions prior to starting the engine.**



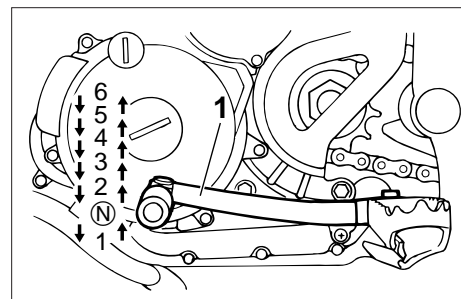
1. Clutch lever

EAU00152

### Clutch lever

The clutch lever is located at the left handlebar grip. To disengage the clutch, pull the lever toward the handlebar grip. To engage the clutch, release the lever. The lever should be pulled rapidly and released slowly for smooth clutch operation.

The clutch lever is equipped with a clutch switch, which is part of the ignition circuit cut-off system. (See page 3-12 for an explanation of the ignition circuit cut-off system.)



1. Shift pedal
- N. Neutral

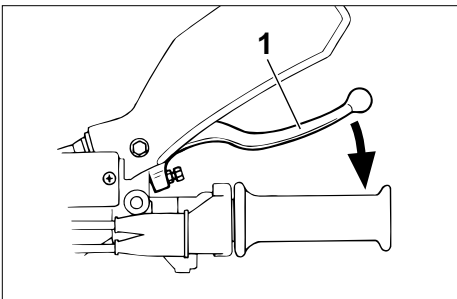
EAU00157

### Shift pedal

The shift pedal is located on the left side of the engine and is used in combination with the clutch lever when shifting the gears of the 6-speed constant-mesh transmission equipped on this machine.



## INSTRUMENT AND CONTROL FUNCTIONS

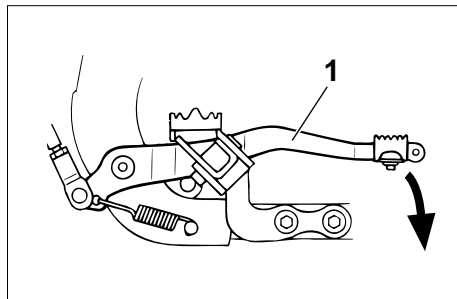


1. Brake lever

EAU00158

### Brake lever

The brake lever is located at the right handlebar grip. To apply the front brake, pull the lever toward the handlebar grip.

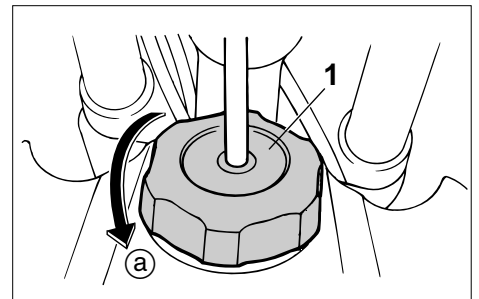


1. Brake pedal

EAU00162

### Brake pedal

The brake pedal is on the right side of the machine. To apply the rear brake, press down on the brake pedal.



1. Fuel tank cap

a. Open.

EAU00179

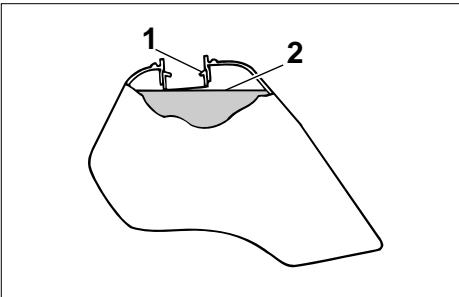
### Fuel tank cap

To remove the fuel tank cap, turn it counterclockwise, and then pull it off. To install the fuel tank cap, insert it into the tank opening, and then turn it clockwise.

EWA00025

### **WARNING**

**Make sure that the fuel tank cap is properly closed before riding.**



- 1. Filler tube
- 2. Fuel level

EAU01183

Fuel

Make sure that there is sufficient fuel in the tank. Fill the fuel tank to the bottom of the filler tube as shown in the illustration.

⚠WARNING

EW000130

- Do not overfill the fuel tank, otherwise it may overflow when the fuel warms up and expands.
- Avoid spilling fuel on the hot engine.

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

EAU00185

EAU00189

Recommended fuel:  
UNLEADED FUEL

Fuel tank capacity:

Total amount:  
10.0 L  
(2.2 Imp gal, 2.64 US gal)

Reserve amount:  
2.0 L  
(0.44 Imp gal, 0.53 US gal)

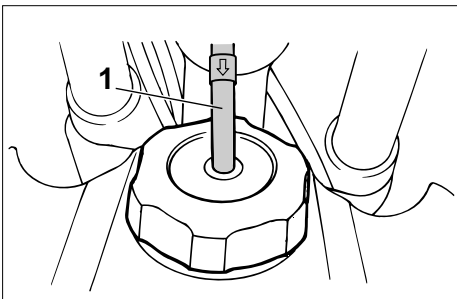
Your Yamaha engine has been designed to use regular unleaded gasoline with a pump octane number [(R+M)/2] of 86 or higher, or a research octane number of 91 or higher. If knocking (or pinging) occurs, use a gasoline of a different brand or premium unleaded fuel. Use of unleaded fuel will extend spark plug life and reduce maintenance costs. If unleaded gasoline is not available, then leaded regular gasoline can be used.

Gasohol

There are two types of gasohol: gasohol containing ethanol and that containing methanol. Gasohol containing ethanol can be used if the ethanol content does not exceed 10%. Gasohol containing methanol is not recommended by Yamaha because it can cause damage to the fuel system or vehicle performance problems.

INSTRUMENT AND CONTROL FUNCTIONS

## INSTRUMENT AND CONTROL FUNCTIONS



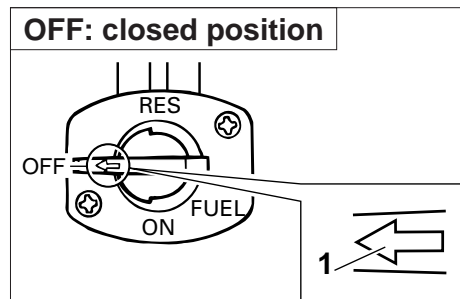
1. Fuel tank breather hose

EAU02955

### Fuel tank breather hose

Before operating the machine:

- Check the fuel tank breather hose connection.
- Check the fuel tank breather hose for cracks or damage, and replace it if damaged.
- Make sure that the end of the fuel tank breather hose is not blocked, and clean it if necessary.



1. Arrow mark pointing to "OFF"

EAU03050

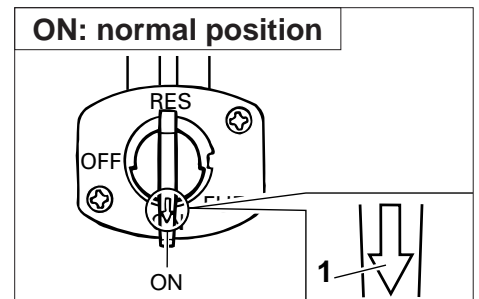
### Fuel cock

The fuel cock supplies fuel from the tank to the carburetor while filtering it also.

The fuel cock has three positions:

#### OFF

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

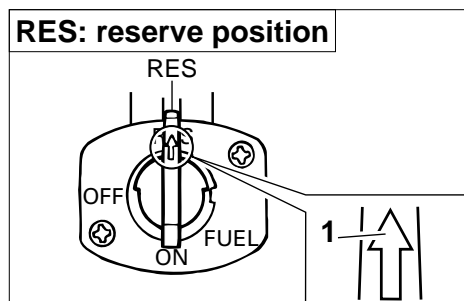


1. Arrow mark pointing to "ON"

#### ON

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

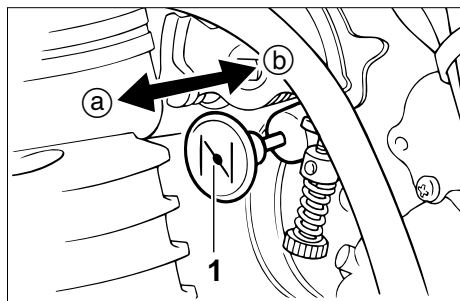
## INSTRUMENT AND CONTROL FUNCTIONS



1. Arrow mark pointing to "RES"

### RES

This indicates reserve. If you run out of fuel while riding, move the lever to this position. Fill the tank at the first opportunity. Be sure to set the lever back to "ON" after refueling!



1. Starter (choke) knob "1"

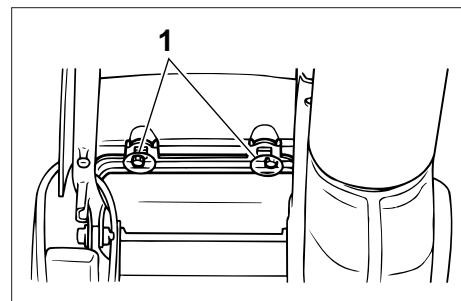
EAU03032

### Starter (choke) knob "1"

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

Move the knob in direction (a) to turn on the starter (choke).

Move the knob in direction (b) to turn off the starter (choke).



1. Bolt (x2)

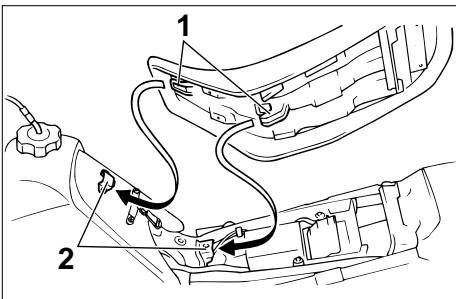
EAU00240

### Seat

#### To remove the seat

Remove the bolts, and then pull the seat off.

## INSTRUMENT AND CONTROL FUNCTIONS



1. Projection (x2)
2. Seat holder (x2)

### To install the seat

1. Insert the projections on the front of the seat into the seat holders as shown.
2. Place the seat in the original position, and then tighten the bolts.

**NOTE:** Make sure that the seat is properly secured before riding.

### Adjusting the front fork

The front fork is equipped with air valves for adjusting the spring rate and screws for adjusting the damping force.

### **WARNING**

**There should be no difference in air pressure between the fork legs.**

### Spring rate

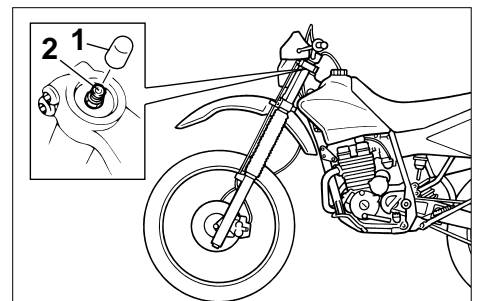
The total spring rate is adjusted by changing the air pressure as follows.

1. Elevate the front wheel by placing a suitable stand under the engine.

**NOTE:** When checking and adjusting the air pressure, there should be no weight on the front end of the machine.

EAU03012

EW000036



1. Air valve cap
2. Air valve

2. Remove the air valve cap from each fork leg.
3. Check the air pressure in each fork leg with an air pressure gauge.

**NOTE:** An optional air pressure gauge is available at a Yamaha dealer.

4. To increase the spring rate and thereby harden the suspension, increase the air pressure with an air pump or compressed air. To decrease the spring rate and thereby soften the suspension, decrease the air pressure by pushing each valve stem down.

# INSTRUMENT AND CONTROL FUNCTIONS

Spring rate

Minimum (soft):

Air pressure = 0 kPa  
(0 kgf/cm<sup>2</sup>, 0 psi)

Standard:

Air pressure = 0 kPa  
(0 kgf/cm<sup>2</sup>, 0 psi)

Maximum (hard):

Air pressure = 40 kPa  
(0.4 kgf/cm<sup>2</sup>, 5.8 psi)

EC000012

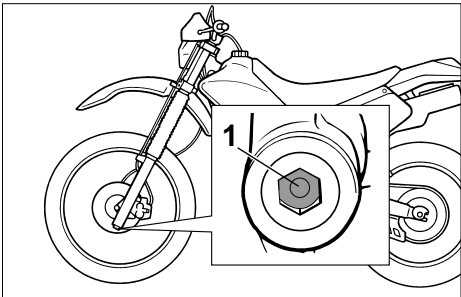
**CAUTION:**

Never exceed the maximum air pressure, otherwise the front fork oil seals may become damaged.

**WARNING**

Always adjust both fork legs equally, otherwise poor handling and loss of stability may result.

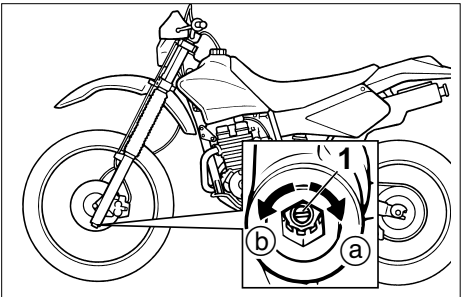
5. Securely install the air valve caps.



1. Rubber cap

**Damping force**

1. Remove the rubber cap from each fork leg.



1. Compression damping adjusting screw

2. To increase the damping force and thereby harden the damping, turn the adjusting screw on each fork leg in direction (a). To decrease the damping force and thereby soften the damping, turn the adjusting screw on each fork leg in direction (b).

Minimum (soft)	20 clicks in direction (b)*
Standard	11 clicks in direction (b)*
Maximum (hard)	1 click in direction (b)*

\* With the adjusting screw fully turned in direction (a)

## INSTRUMENT AND CONTROL FUNCTIONS

### CAUTION:

EC000015

Never attempt to turn an adjusting mechanism beyond the maximum or minimum settings.

3. Securely install the rubber caps.

ECA00034

### CAUTION:

Be sure to install the rubber caps to prevent dust, etc. from entering the fork legs.

### Adjusting the shock absorber assembly

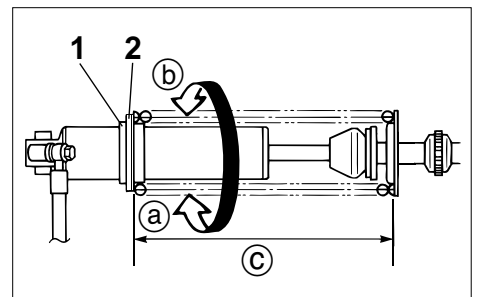
EAU03676

This shock absorber assembly is equipped with a spring preload adjusting nut, a rebound damping force adjusting dial and a compression damping force adjusting knob.

### CAUTION:

EC000015

Never attempt to turn an adjusting mechanism beyond the maximum or minimum settings.



1. Locknut
2. Adjusting nut
- c. Distance A

### Spring preload

1. Loosen the locknut.
2. To increase the spring preload and thereby harden the suspension, turn the adjusting nut in direction (a). To decrease the spring preload and thereby soften the suspension, turn the adjusting nut in direction (b).

# INSTRUMENT AND CONTROL FUNCTIONS

**NOTE:**

- A special wrench is needed to make this adjustment and it can be obtained at a Yamaha dealer.
- The spring preload setting is determined by measuring distance A, shown in the illustration. The shorter the distance A is, the higher the spring preload; the longer distance A is, the lower the spring preload.

Spring preload:

Minimum (soft):  
Distance A = 236 mm (9.3 in)

Standard:  
Distance A = 228 mm (9.0 in)

Maximum (hard):  
Distance A = 224 mm (8.8 in)

3. Tighten the locknut to the specified torque.

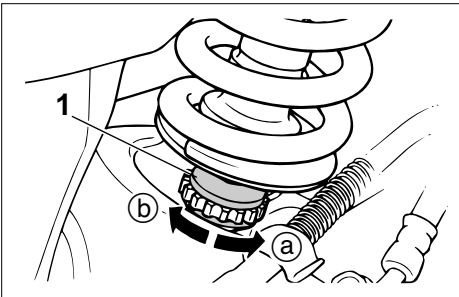
Tightening torque:

Locknut:  
70 Nm (7.0 m·kg, 51 ft·lb)

**CAUTION:**

Always tighten the locknut against the adjusting nut, and then tighten the locknut to the specified torque.

ECA00076



1. Rebound damping force adjusting dial

**Rebound damping force**

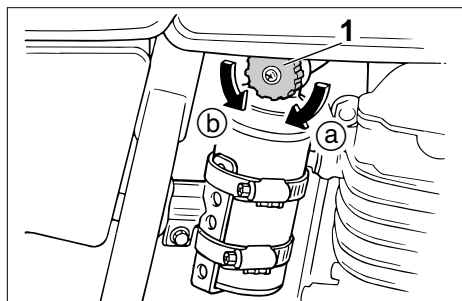
To increase the rebound damping force and thereby harden the rebound damping, turn the adjusting dial in direction (a). To decrease the rebound damping force and thereby soften the rebound damping, turn the adjusting dial in direction (b).

Minimum (soft)	16 clicks in direction (b)*
Standard	8 clicks in direction (b)*
Maximum (hard)	1 click in direction (b)*

\* With the adjusting dial fully turned in direction (a)



## INSTRUMENT AND CONTROL FUNCTIONS



1. Compression damping force adjusting knob

### Compression damping force

To increase the compression damping force and thereby harden the compression damping, turn the adjusting knob in direction (a). To decrease the compression damping force and thereby soften the compression damping, turn the adjusting knob in direction (b).

Minimum (soft)	5 clicks in direction (a)*
Standard	11 clicks in direction (a)*
Maximum (hard)	15 clicks in direction (a)*

\* With the adjusting knob fully turned in direction (b)

### NOTE:

Although the total number of clicks of a damping force adjusting mechanism may not exactly match the above specifications due to small differences in production, the actual number of clicks always represents the entire adjusting range. To obtain a precise adjustment, it would be advisable to check the number of clicks of each damping force adjusting mechanism and to modify the specifications as necessary.

### ⚠ WARNING

This shock absorber contains highly pressurized nitrogen gas. For proper handling, read and understand the following information before handling the shock absorber. The manufacturer cannot be held responsible for property damage or personal injury that may result from improper handling.

- Do not tamper with or attempt to open the gas cylinder.
- Do not subject the shock absorber to an open flame or other high heat sources, otherwise it may explode due to excessive gas pressure.
- Do not deform or damage the gas cylinder in any way, as this will result in poor damping performance.
- Always have a Yamaha dealer service the shock absorber.

EAU00315

## INSTRUMENT AND CONTROL FUNCTIONS

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EAU03718

### Ignition circuit cut-off system

The ignition circuit cut-off system (comprising the clutch switch) prevents starting when the transmission is in gear and the clutch lever is pulled.

Periodically check the operation of the ignition circuit cut-off system according to the following procedure.

1. Turn the key to "ON" and set the engine stop switch to "Q".
2. Put the transmission in gear and raise the sidestand.
3. Apply the front or rear brake.
4. Push the start switch.

If the engine does not start, the clutch switch is OK.

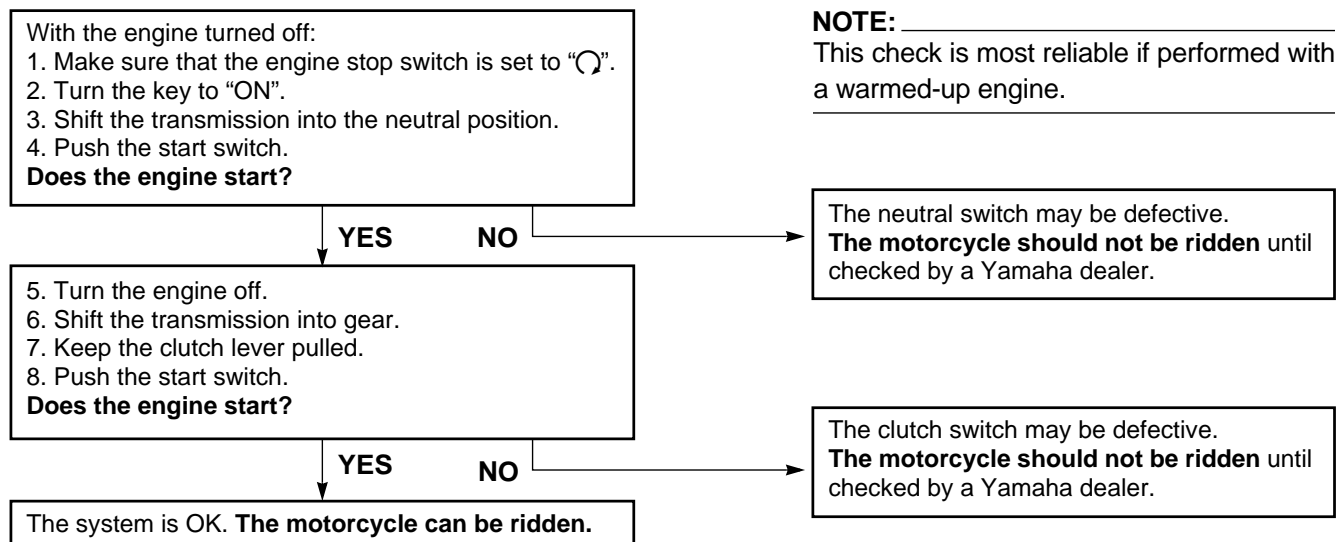
EW000045

#### **⚠ WARNING**

**If a malfunction is noted, have a Yamaha dealer check the system before riding.**

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## INSTRUMENT AND CONTROL FUNCTIONS



## PRE-OPERATION CHECKS

The condition of a vehicle is the owner's responsibility. Vital components can start to deteriorate quickly and unexpectedly, even if the vehicle remains unused (for example, as a result of exposure to the elements). Any damage, fluid leakage or loss of tire air pressure could have serious consequences. Therefore, it is very important, in addition to a thorough visual inspection, to check the following points before each ride.

EAU03439

### Pre-operation check list

ITEM	CHECKS	PAGE
<b>Fuel</b>	<ul style="list-style-type: none"> <li>• Check fuel level in fuel tank.</li> <li>• Refuel if necessary.</li> <li>• Check fuel line for leakage.</li> </ul>	3-3-3-6
<b>Engine oil</b>	<ul style="list-style-type: none"> <li>• Check oil level in engine.</li> <li>• If necessary, add recommended oil to specified level.</li> <li>• Check vehicle for oil leakage.</li> </ul>	6-8-6-11
<b>Front brake</b>	<ul style="list-style-type: none"> <li>• Check operation.</li> <li>• If soft or spongy, have Yamaha dealer bleed hydraulic system.</li> <li>• Check lever free play.</li> <li>• Adjust if necessary.</li> <li>• Check fluid level in reservoir.</li> <li>• If necessary, add recommended brake fluid to specified level.</li> <li>• Check hydraulic system for leakage.</li> </ul>	3-3, 6-18-6-21
<b>Rear brake</b>	<ul style="list-style-type: none"> <li>• Check operation.</li> <li>• If soft or spongy, have Yamaha dealer bleed hydraulic system.</li> <li>• Check fluid level in reservoir.</li> <li>• If necessary, add recommended brake fluid to specified level.</li> <li>• Check hydraulic system for leakage.</li> </ul>	3-3, 6-19-6-21
<b>Clutch</b>	<ul style="list-style-type: none"> <li>• Check operation.</li> <li>• Lubricate cable if necessary.</li> <li>• Check lever free play.</li> <li>• Adjust if necessary.</li> </ul>	3-2, 6-18

## PRE-OPERATION CHECKS

ITEM	CHECKS	PAGE
<b>Throttle grip</b>	<ul style="list-style-type: none"> <li>• Make sure that operation is smooth.</li> <li>• Lubricate throttle grip, housing and cables if necessary.</li> <li>• Check free play.</li> <li>• If necessary, have Yamaha dealer make adjustment.</li> </ul>	6-14
<b>Control cables</b>	<ul style="list-style-type: none"> <li>• Make sure that operation is smooth.</li> <li>• Lubricate if necessary.</li> </ul>	6-24
<b>Drive chain</b>	<ul style="list-style-type: none"> <li>• Check chain slack.</li> <li>• Adjust if necessary.</li> <li>• Check chain condition.</li> <li>• Lubricate if necessary.</li> </ul>	6-22–6-24
<b>Wheels and tires</b>	<ul style="list-style-type: none"> <li>• Check for damage.</li> <li>• Check tire condition and tread depth.</li> <li>• Check air pressure.</li> <li>• Correct if necessary.</li> </ul>	6-15–6-17
<b>Brake and shift pedals</b>	<ul style="list-style-type: none"> <li>• Make sure that operation is smooth.</li> <li>• Lubricate pedal pivoting points if necessary.</li> </ul>	6-25
<b>Brake and clutch levers</b>	<ul style="list-style-type: none"> <li>• Make sure that operation is smooth.</li> <li>• Lubricate lever pivoting points if necessary.</li> </ul>	6-25
<b>Sidestand</b>	<ul style="list-style-type: none"> <li>• Make sure that operation is smooth.</li> <li>• Lubricate pivot if necessary.</li> </ul>	6-25
<b>Chassis fasteners</b>	<ul style="list-style-type: none"> <li>• Make sure that all nuts, bolts and screws are properly tightened.</li> <li>• Tighten if necessary.</li> </ul>	—
<b>Instruments, lights, signals and switches</b>	<ul style="list-style-type: none"> <li>• Check operation.</li> <li>• Correct if necessary.</li> </ul>	3-1–3-2, 6-30–6-32

## PRE-OPERATION CHECKS

ITEM	CHECKS	PAGE
Engine stop switch	• Check operation.	3-2

### NOTE:

Pre-operation checks should be made each time the machine is used. Such an inspection can be accomplished in a very short time; and the added safety it assures is more than worth the time involved.

EWA00033

### WARNING

If any item in the Pre-operation check list is not working properly, have it inspected and repaired before operating the machine.

## OPERATION AND IMPORTANT RIDING POINTS

### **⚠ WARNING**

EAU00374

- This model is designed for off-road use only. In most instances, it is illegal to ride this model (either day or night) on any public street or highway.
- Never start the engine or operate it in a closed area for any length of time. Exhaust fumes are poisonous, and inhaling them can cause loss of consciousness and death within a short time. Always make sure that there is adequate ventilation.
- Before starting out, make sure that the sidestand is up. If the sidestand is not raised completely, it could contact the ground and distract the operator, resulting in a possible loss of control.

### **CAUTION:**

EAU00376

- Make sure not to store personal items near the air cleaner intake, otherwise air intake will be blocked and performance will suffer.
- Make sure not to put anything near the battery and its terminals, otherwise electrical failure and acid corrosion may result.

### **Starting and warming up a cold engine**

In order for the ignition circuit cut-off system to enable starting, one of the following conditions must be met:

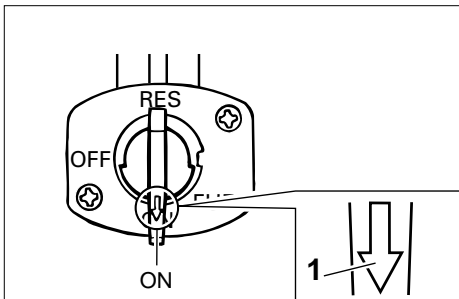
- The transmission is in the neutral position.
- The transmission is in gear with the clutch lever pulled.

EW000054

### **⚠ WARNING**

- Before starting the engine, check the function of the ignition circuit cut-off system according to the procedure described on page 3-12.
- Never ride with the sidestand down.

## OPERATION AND IMPORTANT RIDING POINTS



1. Arrow mark pointing to "ON"

1. Turn the fuel cock lever to "ON".
2. Turn the key to "ON" and make sure that the engine stop switch is set to "O".
3. Shift the transmission into the neutral position.
4. Turn the starter (choke) on and completely close the throttle. (See page 3-6 for starter (choke) operation.)
5. Start the engine by pushing the start switch.

### NOTE:

If the engine fails to start, release the start switch, wait a few seconds, and then try again. Each starting attempt should be as short as possible to preserve the battery. Do not crank the engine more than 10 seconds on any one attempt.

### NOTE:

The engine is warm when it responds normally to the throttle with the starter (choke) turned off.

6. After starting the engine, move the starter (choke) knob/lever back halfway.

ECA00055

### CAUTION:

**For maximum engine life, always warm the engine up before starting off. Never accelerate hard when the engine is cold!**

7. When the engine is warm, turn the starter (choke) off.

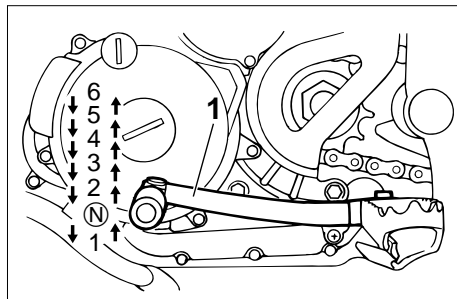


## OPERATION AND IMPORTANT RIDING POINTS

### Starting a warm engine

Follow the same procedure as for starting a cold engine with the exception that the starter (choke) is not required when the engine is warm.

EAU01258



1. Shift pedal  
N. Neutral

EAU00423

### Shifting

Shifting gears lets you control the amount of engine power available for starting off, accelerating, climbing hills, etc.

The gear positions are shown in the illustration.

#### NOTE:

To shift the transmission into the neutral position, press the shift pedal down repeatedly until it reaches the end of its travel, and then slightly raise it.

#### CAUTION:

EC000048

- Even with the transmission in the neutral position, do not coast for long periods of time with the engine off, and do not tow the machine for long distances. The transmission is properly lubricated only when the engine is running. Inadequate lubrication may damage the transmission.
- Always use the clutch while changing gears to avoid damaging the engine, transmission, and drive train, which are not designed to withstand the shock of forced shifting.

## OPERATION AND IMPORTANT RIDING POINTS

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### Engine break-in

There is never a more important period in the life of your engine than the first 20 hours of riding. For this reason, you should read the following material carefully.

Since the engine is brand new, do not put an excessive load on it for the first 20 hours of operation. The various parts in the engine wear and polish themselves to the correct operating clearances. During this period, prolonged full-throttle operation or any condition that might result in engine overheating must be avoided. However, momentary full-throttle operation under load (i.e., two to three seconds maximum) does not harm the engine. Each full-throttle acceleration should be followed with a substantial rest period for the engine. To allow the engine to cool down from the temporary buildup of heat, cruise at a lower engine speed.

EAU00437

### 0–10 hours

- Avoid prolonged operation above 1/2 throttle.
- After every hour of operation, stop the engine, and then let it cool for five to ten minutes.
- Vary the engine speed from time to time. Do not operate the engine at one set throttle position.

### 10–20 hours

- Avoid prolonged operation above 3/4 throttle.
- Rev the engine freely through the gears, but do not use full throttle at any time.

### After break-in

Avoid prolonged full-throttle operation. Vary the engine speed occasionally.

EC000049

### CAUTION:

**If any engine trouble should occur during the engine break-in period, immediately have a Yamaha dealer check the vehicle.**

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## OPERATION AND IMPORTANT RIDING POINTS

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EAU00457

### Parking

When parking, stop the engine, remove the key from the main switch, and then turn the fuel cock lever to “OFF”.

EW000058

### **⚠WARNING**

- Since the engine and exhaust system can become very hot, park in a place where pedestrians or children are not likely to touch them.
  - Do not park on a slope or on soft ground, otherwise the machine may overturn.
-

## PERIODIC MAINTENANCE AND MINOR REPAIR

EAU03453

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

### **⚠ WARNING**

EW000060

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

EAU00468

### **Owner's tool kit**

The service information included in this manual and the tools provided in the owner's tool kit are intended to assist you in the performance of preventive maintenance and minor repairs. However, additional tools such as a torque wrench may be necessary to perform certain maintenance work correctly.

### **NOTE:**

If you do not have the tools or experience required for a particular job, have a Yamaha dealer perform it for you.

EW000062

### **⚠ WARNING**

**Modifications not approved by Yamaha may cause loss of performance, excessive emissions, and render the vehicle unsafe for use. Consult a Yamaha dealer before attempting any changes.**

## PERIODIC MAINTENANCE AND MINOR REPAIR

### Periodic maintenance and lubrication chart

EAU00473

	No.	ITEM	CHECKS AND MAINTENANCE JOBS	Initial	EVERY	
				100 mi (150 km) or 1 month	600 mi (1,000 km) or 6 months	1,200 mi (2,000 km) or 12 months
Emission Items	1	* Fuel line	<ul style="list-style-type: none"> <li>Check fuel hoses for cracks or damage.</li> <li>Replace if necessary.</li> </ul>		√	√
	2	Spark plug	<ul style="list-style-type: none"> <li>Check condition.</li> <li>Clean, regap or replace if necessary.</li> </ul>		√	√
	3	* Valves	<ul style="list-style-type: none"> <li>Check valve clearance.</li> <li>Adjust if necessary.</li> </ul>			√
	4	Air filter	<ul style="list-style-type: none"> <li>Clean or replace if necessary.</li> </ul>		√	√
	5	* Crankcase breather system	<ul style="list-style-type: none"> <li>Check ventilation hose for cracks or damage and drain any deposits.</li> <li>Replace if necessary.</li> </ul>		√	√
	6	* Carburetor	<ul style="list-style-type: none"> <li>Check engine idling speed and starter operation.</li> <li>Adjust if necessary.</li> </ul>	√	√	√
	7	Exhaust system	<ul style="list-style-type: none"> <li>Check for leakage.</li> <li>Retighten if necessary.</li> <li>Replace gasket if necessary.</li> </ul>		√	√
	8	Engine oil	<ul style="list-style-type: none"> <li>Check oil level and vehicle for oil leakage.</li> <li>Correct if necessary.</li> <li>Change. (Warm engine before draining.)</li> </ul>	√	√	√
	9	Engine oil filter element	<ul style="list-style-type: none"> <li>Clean.</li> </ul>	√	√	√
General Items	10	Clutch	<ul style="list-style-type: none"> <li>Check operation.</li> <li>Adjust or replace cable.</li> </ul>	√	√	√
	11	* Front brake	<ul style="list-style-type: none"> <li>Check operation, fluid level and vehicle for fluid leakage. (See NOTE on page 6-4.)</li> <li>Correct accordingly.</li> <li>Replace brake pads if necessary.</li> </ul>	√	√	√

## PERIODIC MAINTENANCE AND MINOR REPAIR

	No.	ITEM	CHECKS AND MAINTENANCE JOBS	Initial	EVERY	
				100 mi (150 km) or 1 month	600 mi (1,000 km) or 6 months	1,200 mi (2,000 km) or 12 months
General Items	12	* Rear brake	<ul style="list-style-type: none"> <li>Check operation, fluid level and vehicle for fluid leakage. (See NOTE on page 6-4.)</li> <li>Correct accordingly.</li> <li>Replace brake pads if necessary.</li> </ul>	√	√	√
	13	* Wheels	<ul style="list-style-type: none"> <li>Check balance, runout, spoke tightness and for damage.</li> <li>Tighten spokes and rebalance, replace if necessary.</li> </ul>	√	√	√
	14	* Tires	<ul style="list-style-type: none"> <li>Check tread depth and for damage.</li> <li>Replace if necessary.</li> <li>Check air pressure.</li> <li>Correct if necessary.</li> </ul>		√	√
	15	* Wheel bearings	<ul style="list-style-type: none"> <li>Check bearing for looseness or damage.</li> <li>Replace if necessary.</li> </ul>		√	√
	16	Drive chain	<ul style="list-style-type: none"> <li>Check chain slack.</li> <li>Adjust if necessary. Make sure that the rear wheel is properly aligned.</li> <li>Clean and lubricate.</li> </ul>	Every Ride		
	17	* Steering bearings	<ul style="list-style-type: none"> <li>Check bearing play and steering for roughness.</li> <li>Correct accordingly.</li> <li>Lubricate with lithium soap base grease every 1,200 mi (2,000 km) or 12 months (whichever comes first).</li> </ul>	√		√
	18	* Chassis fasteners	<ul style="list-style-type: none"> <li>Make sure that all nuts, bolts and screws are properly tightened.</li> <li>Tighten if necessary.</li> </ul>	√	√	√
	19	Sidestand	<ul style="list-style-type: none"> <li>Check operation.</li> <li>Lubricate and repair if necessary.</li> </ul>	√		√
	20	* Spark arrester	<ul style="list-style-type: none"> <li>Clean.</li> </ul>			√
	21	* Front fork	<ul style="list-style-type: none"> <li>Check operation and for oil leakage.</li> <li>Correct accordingly.</li> </ul>		√	√

## PERIODIC MAINTENANCE AND MINOR REPAIR

No.		ITEM	CHECKS AND MAINTENANCE JOBS	Initial	EVERY	
				100 mi (150 km) or 1 month	600 mi (1,000 km) or 6 months	1,200 mi (2,000 km) or 12 months
General Items	22	* Rear shock absorber assembly	<ul style="list-style-type: none"> <li>Check operation and shock absorber for oil leakage.</li> <li>Replace shock absorber assembly if necessary.</li> </ul>			√
	23	* Rear shock absorber pivoting point	<ul style="list-style-type: none"> <li>Check operation.</li> <li>Lubricate with molybdenum disulfide grease.</li> </ul>			√

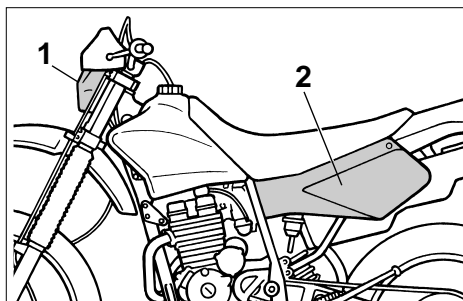
\*Since these items require special tools, data and technical skills, have a Yamaha dealer perform the service.

EAU03057

### NOTE:

- The air filter needs more frequent service if you are riding in unusually wet or dusty areas.
- Hydraulic brake system
  - When disassembling the master cylinder or caliper cylinder, always replace the brake fluid. Check the brake fluid level regularly and fill as required.
  - Replace the oil seals on the inner parts of the master cylinder and caliper cylinder every two years.
  - Replace the brake hoses every four years or if cracked or damaged.

## PERIODIC MAINTENANCE AND MINOR REPAIR

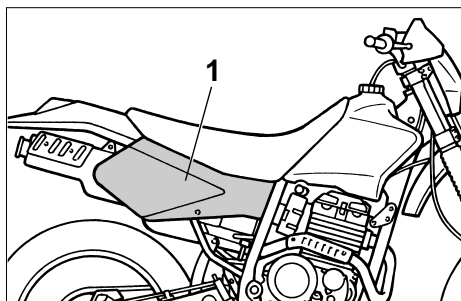


1. Cowling A
2. Panel A

EAU03516

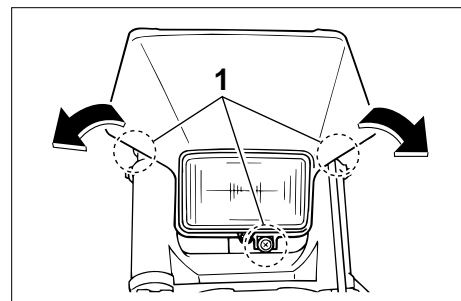
### Removing and installing the cowling and panels

The cowling and panels shown above need to be removed to perform some of the maintenance jobs described in this chapter.



1. Panel B

Refer to this section each time the cowling or a panel needs to be removed and installed.



1. Screw (x3)

EAU00484

### Cowling A

#### To remove the cowling

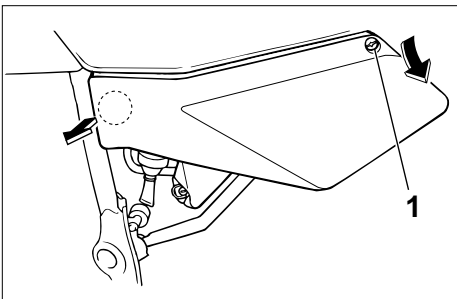
Remove the cowling screws, and then pull the cowling off as shown.

#### To install the cowling

Place the cowling in the original position, and then install the screws.



## PERIODIC MAINTENANCE AND MINOR REPAIR



1. Screw

EAU00488

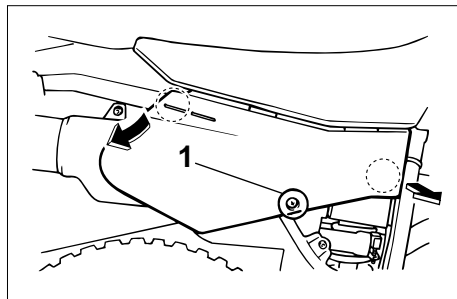
### Panel A

#### To remove the panel

Remove the screw, and then pull the panel off as shown.

#### To install the panel

Place the panel in the original position, and then install the screw.



1. Screw

EAU00488

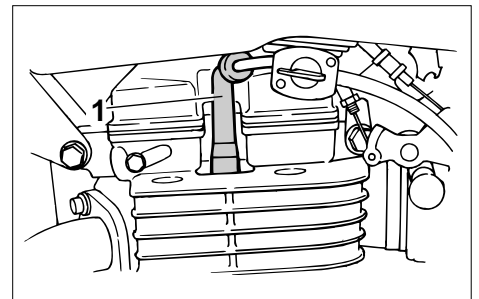
### Panel B

#### To remove the panel

Remove the screw, and then pull the panel off as shown.

#### To install the panel

Place the panel in the original position, and then install the screw.



1. Spark plug cap

EAU01833

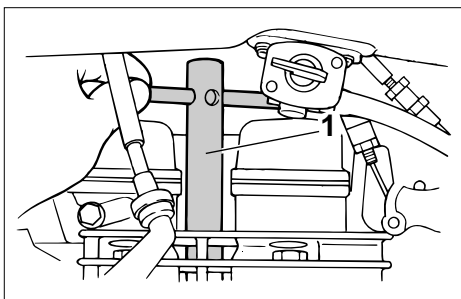
### Checking the spark plug

The spark plug is an important engine component, which is easy to check. Since heat and deposits will cause any spark plug to slowly erode, the spark plug should be removed and checked in accordance with the periodic maintenance and lubrication chart. In addition, the condition of the spark plug can reveal the condition of the engine.

#### **To remove the spark plug**

1. Remove the spark plug cap.

## PERIODIC MAINTENANCE AND MINOR REPAIR



1. Spark plug wrench

2. Remove the spark plug as shown, with the spark plug wrench included in the owner's tool kit.

### To check the spark plug

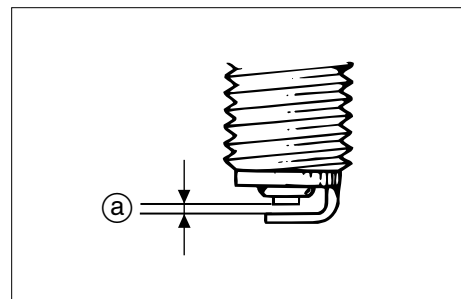
1. Check that the porcelain insulator around the center electrode of the spark plug is a medium-to-light tan (the ideal color when the machine is ridden normally).

#### NOTE:

If the spark plug shows a distinctly different color, the engine could be defective. Do not attempt to diagnose such problems yourself. Instead, have a Yamaha dealer check the machine.

2. Check the spark plug for electrode erosion and excessive carbon or other deposits, and replace it if necessary.

Specified spark plug:  
CR9E (NGK) or  
U27ESR-N (DENSO)



a. Spark plug gap

### To install the spark plug

1. Measure the spark plug gap with a wire thickness gauge and, if necessary, adjust the gap to specification.

Spark plug gap:  
0.7–0.8 mm (0.03–0.03 in)

2. Clean the surface of the spark plug gasket and its mating surface, and then wipe off any grime from the spark plug threads.

## PERIODIC MAINTENANCE AND MINOR REPAIR

3. Install the spark plug with the spark plug wrench, and then tighten it to the specified torque.

Tightening torque:

Spark plug:

12.5 Nm

(1.25 m·kg, 9.0 ft·lb)

### NOTE:

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.

4. Install the spark plug cap.

### Engine oil and oil filter element

The engine oil level should be checked before each ride. In addition, the oil must be changed and the oil filter element cleaned at the intervals specified in the General maintenance and lubrication chart.

### To check the engine oil level

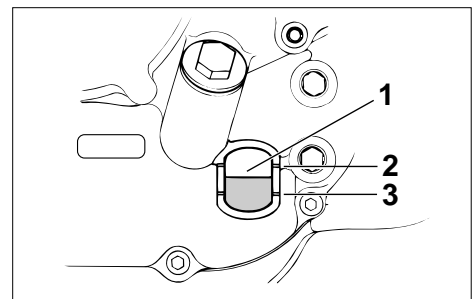
1. Place the motorcycle on a level surface and hold it in an upright position.

### NOTE:

Make sure that the motorcycle is positioned straight up when checking the oil level. A slight tilt to the side can result in a false reading.

2. Start the engine, warm it up for several minutes, and then turn it off.

EAU03670



1. Level window
2. Maximum level mark
3. Minimum level mark

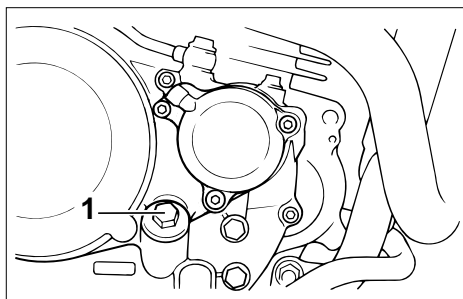
3. Wait a few minutes until the oil settles, and then check the oil level through the check window located at the bottom right side of the crankcase.

### NOTE:

The engine oil should be between the minimum and maximum level marks.

4. If the engine oil is below the minimum level mark, add sufficient oil of the recommended type to raise it to the correct level.

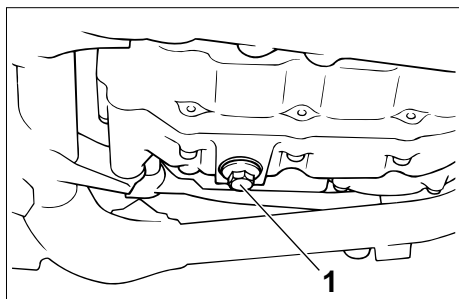
## PERIODIC MAINTENANCE AND MINOR REPAIR



1. Engine oil filler bolt

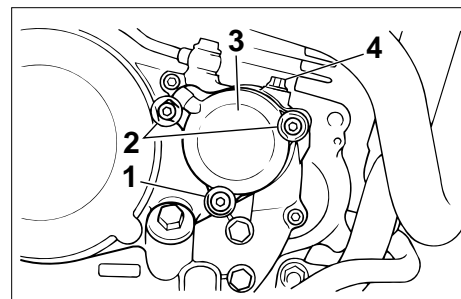
### To change the engine oil (with or without oil filter element cleaning)

1. Start the engine, warm it up for several minutes, and then turn it off.
2. Place an oil pan under the engine to collect the used oil.
3. Remove the engine oil filler bolt and drain bolt to drain the oil from the crankcase.



1. Engine oil drain bolt

Check the washer for damage and replace it if necessary.



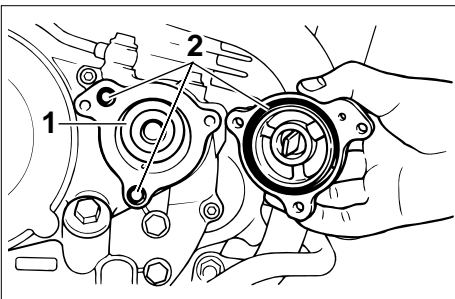
1. Oil filter element drain bolt
2. Oil filter element cover bolt (x2)
3. Oil filter element cover
4. Bleed bolt

4. Remove the oil filter element drain bolt to drain the oil from the oil filter element.

**NOTE:** Skip steps 5–9 if the oil filter element is not being cleaned.

5. Remove the oil filter element cover by removing the bolts.

## PERIODIC MAINTENANCE AND MINOR REPAIR



1. Oil filter element
2. O-ring (x3)

6. Remove the oil filter element and O-rings.
7. Check the O-rings for damage and replace them if necessary.
8. Clean the oil filter element with solvent, and then install it.

**NOTE:** Check the oil filter element for damage and replace it if necessary.

9. Install the oil filter element cover by installing the oil filter element cover bolts, then tightening them to the specified torque.

Tightening torque:  
Oil filter element cover bolt:  
10 Nm  
(1.0 m·kg, 7.2 ft·lb)

10. Install the oil filter element drain bolt, and then tighten it to the specified torque.

Tightening torque:  
Oil filter element drain bolt:  
10 Nm  
(1.0 m·kg, 7.2 ft·lb)

**NOTE:** Make sure that the O-rings are properly seated.

11. Install the engine oil drain bolt, and then tighten it to the specified torque.

Tightening torque:  
Engine oil drain bolt:  
20 Nm  
(2.0 m·kg, 14.5 ft·lb)

12. Add the specified amount of the recommended engine oil, and then install and tighten the oil filler bolt.

Recommended oil:

See page 8-1.

Oil quantity:

Without oil filter element removal:

1.1 L

(0.97 Imp qt, 1.16 US qt)

With oil filter element removal:

1.2 L

(1.06 Imp qt, 1.27 US qt)

Total amount (dry engine):

1.45 L

(1.28 Imp qt, 1.53 US qt)

EC000066

### CAUTION:

- In order to prevent clutch slip-page (since the engine oil also lubricates the clutch), do not mix any chemical additives with the oil.
- Make sure that no foreign material enters the crankcase.

## PERIODIC MAINTENANCE AND MINOR REPAIR

13. Start the engine, and then let it idle for several minutes while checking it for oil leakage. If oil is leaking, immediately turn the engine off and check for the cause.
14. Turn the engine off, and then check the oil level and correct it if necessary.

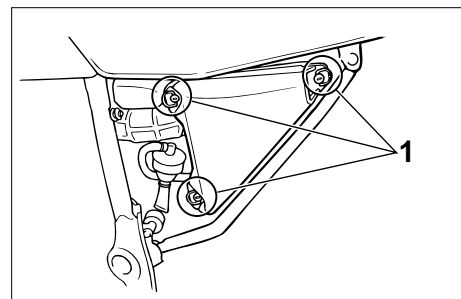
Tightening torque:  
Bleed bolt:  
7 Nm (0.7 m·kg, 5.0 ft·lb)

ECA00075

### CAUTION:

After changing the engine oil, make sure to check the oil pressure as described below.

- Remove the bleed bolt.
- Start the engine and keep it idling until oil flows out. If no oil comes out after one minute, turn the engine off immediately so it will not seize. If this occurs, have a Yamaha dealer repair the vehicle.
- After checking the oil pressure, tighten the bleed bolt to the specified torque.



1. Holding clip (×3)

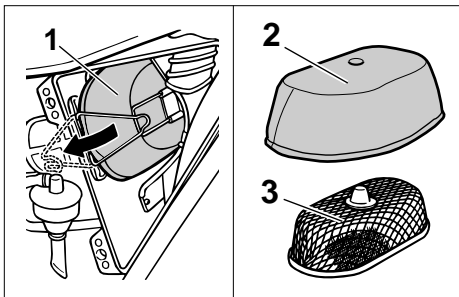
EAU03602

### Cleaning the air filter element

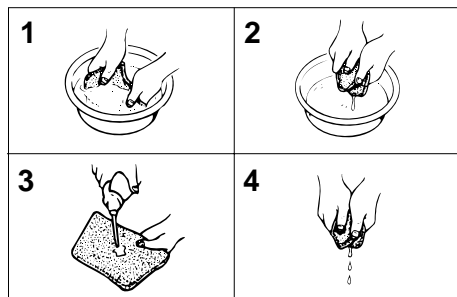
The air filter element should be cleaned at the intervals specified in the periodic maintenance and lubrication chart. Clean the air filter element more frequently if you are riding in unusually wet or dusty areas.

1. Remove panel A. (See page 6-6 for panel removal and installation procedures.)
2. Remove the air filter case cover by removing the holding clips.

## PERIODIC MAINTENANCE AND MINOR REPAIR



1. Air filter element
2. Sponge material
3. Air filter element frame
3. Pull the air filter element out of the air filter case.
4. Remove the sponge material from the air filter element frame.



5. Clean the sponge material with solvent, and then squeeze the remaining solvent out.
6. Apply oil of the recommended type to the entire surface of the sponge material, and then squeeze the excess oil out.

**NOTE:** \_\_\_\_\_  
The sponge material should be wet but not dripping.

Recommended oil:  
Engine oil

7. Install the sponge material onto the frame, insert the air filter element into the air filter case, and then install the air filter case cover by installing the holding clips.

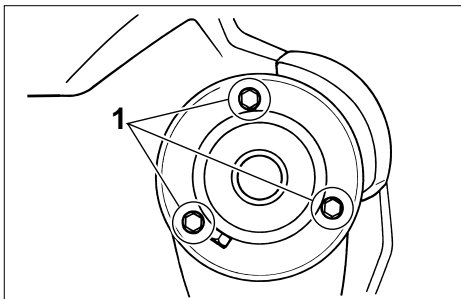
EC000082

**CAUTION:** \_\_\_\_\_

- Make sure that the air filter element is properly seated in the air filter case.
- The engine should never be operated without the air filter element installed, otherwise the piston(s) and/or cylinder(s) may become excessively worn.

8. Install the panel.

## PERIODIC MAINTENANCE AND MINOR REPAIR



1. Bolt (×3)

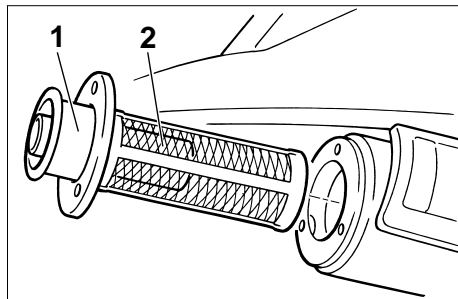
EAU01761

### Cleaning the spark arrester

#### NOTE:

Make sure to select a well-ventilated area free of combustible materials to clean the spark arrester.

1. Remove the tailpipe by removing the bolts, and then pulling it out of the muffler.

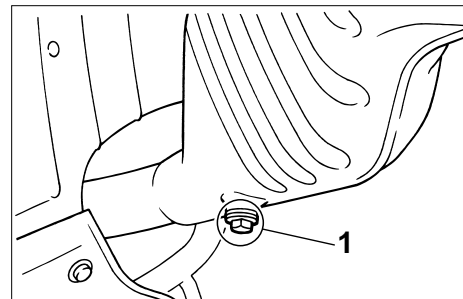


1. Tailpipe  
2. Spark arrester

2. Tap the tailpipe lightly, and then use a wire brush to remove any carbon deposits from the spark arrester portion of the tailpipe.
3. Insert the tailpipe into the muffler, and then install and tighten the bolts.

#### NOTE:

Make sure to align the bolt holes when inserting the tailpipe.



1. Purging bolt

4. Remove the purging bolt.
5. Start the engine and rev it approximately twenty times while momentarily creating exhaust system back pressure using a shop towel to block the end of the muffler.
6. Stop the engine and allow the exhaust pipe to cool.
7. Install the purging bolt and tighten it.



## PERIODIC MAINTENANCE AND MINOR REPAIR

### Adjusting the carburetor

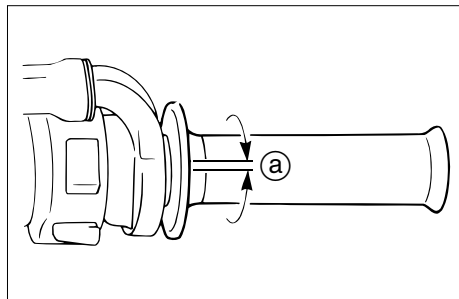
EAU02911

The carburetor is an important part of the engine and requires very sophisticated adjustment. Therefore, most carburetor adjustments should be left to a Yamaha dealer, who has the necessary professional knowledge and experience. However, the following may be serviced by the owner as part of routine maintenance.

EC000094

#### CAUTION:

**The carburetor has been set and extensively tested at the Yamaha factory. Changing these settings without sufficient technical knowledge may result in poor performance of or damage to the engine.**



a. Throttle cable free play

EAU00635

### Adjusting the throttle cable free play

The throttle cable free play should measure 3–5 mm (0.12–0.20 in) at the throttle grip. Periodically check the throttle cable free play and, if necessary, have a Yamaha dealer adjust it.

### Adjusting the valve clearance

EAU00637

The valve clearance changes with use, resulting in improper air-fuel mixture and/or engine noise. To prevent this from occurring, the valve clearance must be adjusted by a Yamaha dealer at the intervals specified in the periodic maintenance and lubrication chart.

## PERIODIC MAINTENANCE AND MINOR REPAIR

### Tires

To maximize the performance, durability, and safe operation of your motorcycle, note the following points regarding the specified tires.

#### Tire air pressure

The tire air pressure should be checked and, if necessary, adjusted before each ride.

#### ⚠ WARNING

- The tire air pressure must be checked and adjusted on cold tires (i.e., when the temperature of the tires equals the ambient temperature).
- The tire air pressure must be adjusted in accordance with the riding speed and with the total weight of rider, cargo, and accessories approved for this model.

EAU03677

	Front	Rear
Off-road riding	100 kPa (1.00 kgf/cm <sup>2</sup> 15.0 psi)	100 kPa (1.00 kgf/cm <sup>2</sup> 15.0 psi)
Maximum load*	90 kg (198 lb)	

\* Total weight of rider, cargo and accessories

EW000077

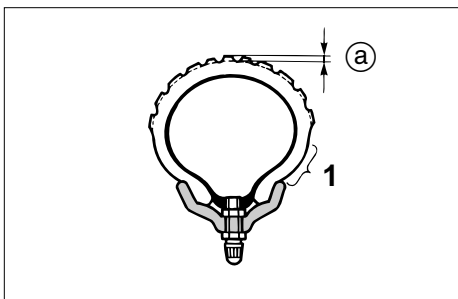
#### ⚠ WARNING

Because loading has an enormous impact on the handling, braking, performance and safety characteristics of your machine, you should keep the following precautions in mind.

- **NEVER OVERLOAD THE MACHINE!** Operation of an overloaded machine may result in tire damage, loss of control, or severe injury. Make sure that the total weight of rider, cargo, and accessories does not exceed the specified maximum load for the vehicle.
- Do not carry along loosely packed items, which can shift during a ride.
- Securely pack the heaviest items close to the center of the machine and distribute the weight evenly on both sides.
- Adjust the suspension and tire air pressure with regard to the load.
- Check the tire condition and air pressure before each ride.

## PERIODIC MAINTENANCE AND MINOR REPAIR

EAU00680



1. Side wall  
a. Tread depth

### Tire inspection

The tires must be checked before each ride. If a tire tread depth reaches the specified limit, if the tire has a nail or glass fragments in it, or if the sidewall is cracked, have a Yamaha dealer replace the tire immediately.

Minimum tire tread depth (front and rear)	4.0 mm (0.16 in)
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### Tire information

This motorcycle is equipped with spoke wheels and tube tires.

EW000078

### ⚠ WARNING

- The front and rear tires should be of the same make and design, otherwise the handling characteristics of the motorcycle cannot be guaranteed.
- After extensive tests, only the tires listed below have been approved for this model by Yamaha Motor Co., Ltd.

#### FRONT

Manufacturer	Size	Type
DUNLOP	80/100-21 51M	D739FA

#### REAR

Manufacturer	Size	Type
DUNLOP	100/100-18 59M	D739

### ⚠ WARNING

- It is dangerous to ride with a worn-out tire. When a tire tread begins to show cross-wise lines, have a Yamaha dealer replace the tire immediately.
- The replacement of all wheel- and brake-related parts, including the tires, should be left to a Yamaha dealer, who has the necessary professional knowledge and experience.
- It is not recommended to patch a punctured tube. If unavoidable, however, patch the tube very carefully and replace it as soon as possible with a high-quality product.

## PERIODIC MAINTENANCE AND MINOR REPAIR

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### Spoke wheels

To maximize the performance, durability, and safe operation of your machine, note the following points regarding the specified wheels.

- The wheel rims should be checked for cracks, bends or warpage, and the spokes for looseness or damage before each ride. If any damage is found, have a Yamaha dealer replace the wheel. Do not attempt even the smallest repair to the wheel. A deformed or cracked wheel must be replaced.
- The wheel should be balanced whenever either the tire or wheel has been changed or replaced. An unbalanced wheel can result in poor performance, adverse handling characteristics, and a shortened tire life.
- Ride at moderate speeds after changing a tire since the tire surface must first be “broken in” for it to develop its optimal characteristics.

EAU00685

### Accessories and replacement parts

EAU00691

#### **WARNING**

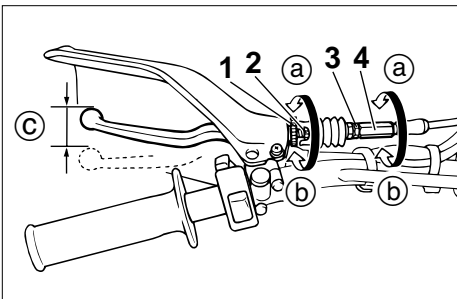
EW000098

This machine is not designed to pull a trailer or to be attached to a sidecar. The accessories or replacement parts you choose for your machine should be designed specifically for this model, and they must be securely mounted to maintain the inherent stability of the original design. Genuine Yamaha Parts and Accessories are designed and tested to be compatible with your machine. Please consider Genuine Yamaha Parts and Accessories before making a purchase. Use of non-Yamaha-approved accessories or replacement parts may cause loss of handling stability and riding safety. Since Yamaha cannot control the quality of accessories or parts manufactured by other companies,

Yamaha cannot be held liable for any consequences caused by the use of items which have not been approved by Yamaha.

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## PERIODIC MAINTENANCE AND MINOR REPAIR



1. Locknut (Clutch lever)
2. Adjusting bolt
3. Locknut (Clutch cable)
4. Adjusting nut
- c. Clutch lever free play

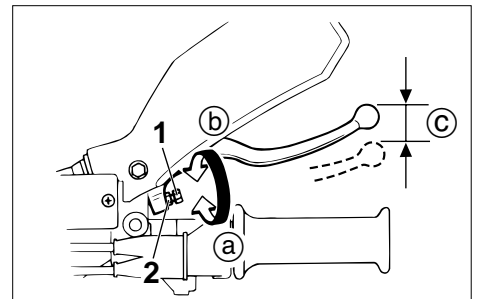
EAU02996

### Adjusting the clutch lever free play

The clutch lever free play should measure 10–15 mm (0.39–0.59 in) as shown. Periodically check the clutch lever free play and, if necessary, adjust it as follows.

1. Loosen the locknut at the clutch lever.
2. To increase the clutch lever free play, turn the adjusting bolt in direction (a). To decrease the clutch lever free play, turn the adjusting bolt in direction (b).

3. If the specified clutch lever free play could be obtained as described above, tighten the locknut and skip the rest of the procedure, otherwise proceed as follows.
4. Fully turn the adjusting bolt in direction (a) to loosen the clutch cable.
5. Loosen the locknut further down the clutch cable.
6. To increase the clutch lever free play, turn the adjusting nut in direction (a). To decrease the clutch lever free play, turn the adjusting nut in direction (b).
7. Tighten both locknuts.



1. Adjusting bolt
2. Locknut
- c. Brake lever free play

EAU00696

### Adjusting the brake lever free play

The brake lever free play should measure 2–5 mm (0.08–0.20 in) as shown. Periodically check the brake lever free play and, if necessary, adjust it as follows.

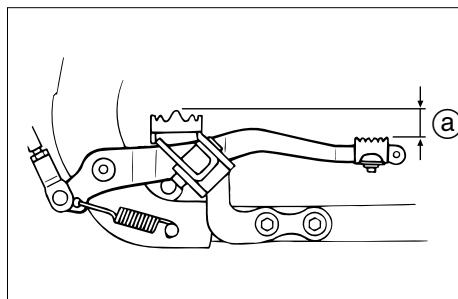
1. Loosen the locknut at the brake lever.
2. To increase the brake lever free play, turn the adjusting bolt in direction (a). To decrease the brake lever free play, turn the adjusting bolt in direction (b).
3. Tighten the locknut.

## PERIODIC MAINTENANCE AND MINOR REPAIR

### ⚠ WARNING

EW000099

- After adjusting the brake lever free play, check the free play and make sure that the brake is working properly.
- A soft or spongy feeling in the brake lever can indicate the presence of air in the hydraulic system. If there is air in the hydraulic system, have a Yamaha dealer bleed the system before operating the machine. Air in the hydraulic system will diminish the braking performance, which may result in loss of control and an accident.



a. Brake pedal position

EAU00712

### Adjusting the brake pedal position

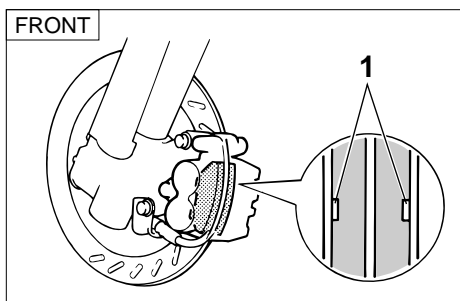
The top of the brake pedal should be positioned approximately 10 mm (0.39 in) below the top of the footrest as shown. Periodically check the brake pedal position and, if necessary, have a Yamaha dealer adjust it.

### ⚠ WARNING

EW000109

A soft or spongy feeling in the brake pedal can indicate the presence of air in the hydraulic system. If there is air in the hydraulic system, have a Yamaha dealer bleed the system before operating the machine. Air in the hydraulic system will diminish the braking performance, which may result in loss of control and an accident.

## PERIODIC MAINTENANCE AND MINOR REPAIR

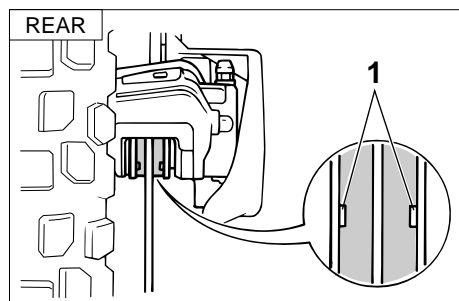


1. Indicator groove

EAU01314

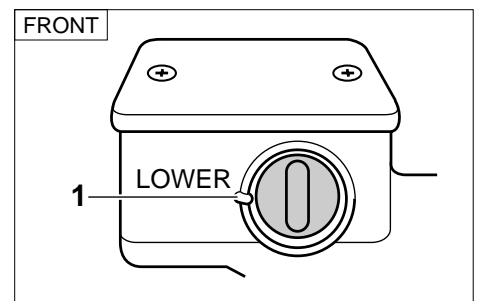
### Checking the front and rear brake pads

The front and rear brake pads must be checked for wear at the intervals specified in the periodic maintenance and lubrication chart. Each brake pad is provided with a wear indicator groove, which allows you to check the brake pad wear without having to disassemble the brake.



1. Indicator groove

To check the brake pad wear, check the wear indicator grooves. If a brake pad has worn to the point that the wear indicator groove has almost disappeared, have a Yamaha dealer replace the brake pads as a set.



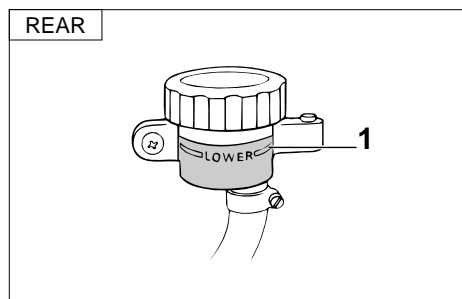
1. Minimum level mark

EAU03196

### Checking the brake fluid level

Insufficient brake fluid may allow air to enter the brake system, possibly causing it to become ineffective. Before riding, check that the brake fluid is above the minimum level mark and replenish if necessary. A low brake fluid level may indicate worn brake pads and/or brake system leakage. If the brake level is low, be sure to check the brake pads for wear and the brake system for leakage.

## PERIODIC MAINTENANCE AND MINOR REPAIR



1. Minimum level mark

Observe these precautions:

- When checking the fluid level, make sure that the top of the master cylinder or brake fluid reservoir is level.
- Use only the recommended quality brake fluid, otherwise the rubber seals may deteriorate, causing leakage and poor braking performance.

Recommended brake fluid:  
DOT 4

- Refill with the same type of brake fluid. Mixing fluids may result in a harmful chemical reaction and lead to poor braking performance.
- Be careful that water does not enter the master cylinder when refilling. Water will significantly lower the boiling point of the fluid and may result in vapor lock.
- Brake fluid may deteriorate painted surfaces or plastic parts. Always clean up spilled fluid immediately.
- As the brake pads wear, it is normal for the brake fluid level to gradually go down. However, if the brake fluid level goes down suddenly, have a Yamaha dealer check the cause.

### Changing the brake fluid

EAU03073

Have a Yamaha dealer change the brake fluid at the intervals specified in the periodic maintenance and lubrication chart. In addition, have the oil seals of the master cylinder and caliper as well as the brake hoses replaced at the intervals listed below or whenever they are damaged or leaking.

- Oil seals: Replace every two years.
- Brake hoses: Replace every four years.



## PERIODIC MAINTENANCE AND MINOR REPAIR

### Drive chain slack

The drive chain slack should be checked before each ride and adjusted if necessary.

#### To check the drive chain slack

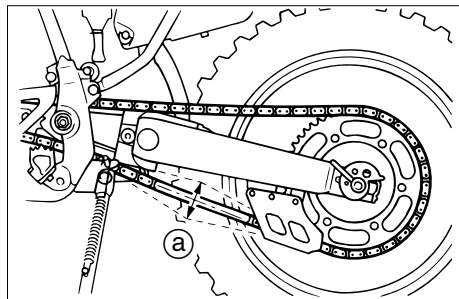
1. Place the machine on a level surface and hold it in an upright position.

#### NOTE:

When checking and adjusting the drive chain slack, the machine should be positioned straight up and there should be no weight on it.

2. Shift the transmission into the neutral position.

EAU00744

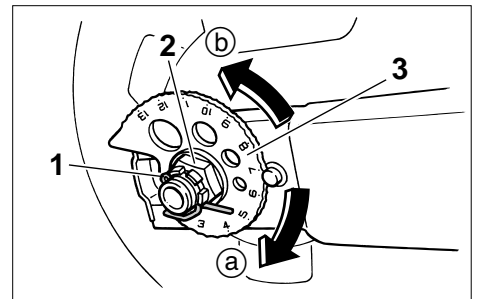


a. Drive chain slack

3. Move the rear wheel by pushing the machine to locate the tightest portion of the drive chain, and then measure the drive chain slack as shown.

Drive chain slack:  
35–50 mm (1.38–1.97 in)

4. If the drive chain slack is incorrect, adjust it as follows.



1. Cotter pin
2. Axle nut
3. Chain adjusting plate

EAU01269

#### To adjust the drive chain slack

1. Remove the cotter pin from the axle nut, and then loosen the axle nut.
2. To tighten the drive chain, turn the adjusting plate on each side of the swingarm in direction (a). To loosen the drive chain, turn the adjusting plate on each side of the swingarm in direction (b), and then push the rear wheel forward.

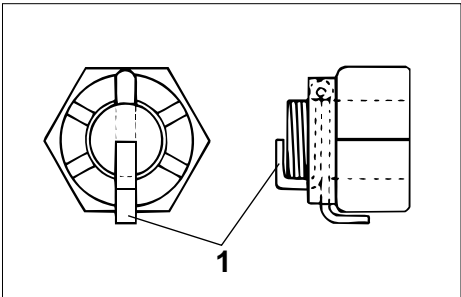
**NOTE:** \_\_\_\_\_  
Make sure that both adjusting plates are in the same position for proper wheel alignment.

**CAUTION:** \_\_\_\_\_

Improper drive chain slack will overload the engine as well as other vital parts of the machine and can lead to chain slippage or breakage. To prevent this from occurring, keep the drive chain slack within the specified limits.

- 3. Tighten the axle nut to the specified torque.

Tightening torque:  
Axle nut:  
105 Nm  
(10.5 m·kg, 76 ft·lb)



- 1. Cotter pin
- 4. Insert a new cotter pin into the axle nut, and then bend its ends as shown.

**NOTE:** \_\_\_\_\_  
Make sure that two notches in the axle nut are aligned with the hole through the wheel axle, otherwise further tighten the axle nut until they are.

**WARNING** \_\_\_\_\_  
Always use a new cotter pin for the axle nut.

EAU03006

**Lubricating the drive chain**  
The drive chain must be cleaned and lubricated at the intervals specified in the periodic maintenance and lubrication chart, otherwise it will quickly wear out, especially when riding in dusty or wet areas. Service the drive chain as follows.

**CAUTION:** \_\_\_\_\_

The drive chain must be lubricated after washing the machine or riding in the rain.

- 1. Clean the drive chain with kerosene and a small soft brush.

ECA00053

**CAUTION:** \_\_\_\_\_

To prevent damaging the O-rings, do not clean the drive chain with steam cleaners, high-pressure washers or inappropriate solvents.

- 2. Wipe the drive chain dry.

EW000110

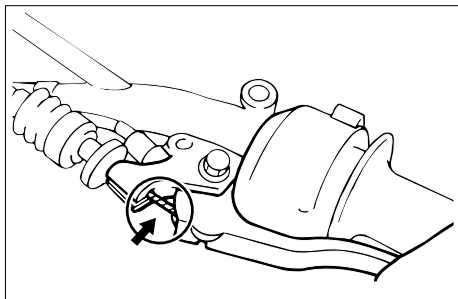
3. Thoroughly lubricate the drive chain with a special O-ring chain lubricant.

ECA00052

**CAUTION:**

Do not use engine oil or any other lubricants for the drive chain, as they may contain substances that could damage the O-rings.

## PERIODIC MAINTENANCE AND MINOR REPAIR



EAU03297

### Checking and lubricating the cables

The operation of all control cables and the condition of the cables should be checked before each ride, and the cables and cable ends should be lubricated if necessary. If a cable is damaged or does not move smoothly, have a Yamaha dealer check or replace it.

Recommended lubricant:

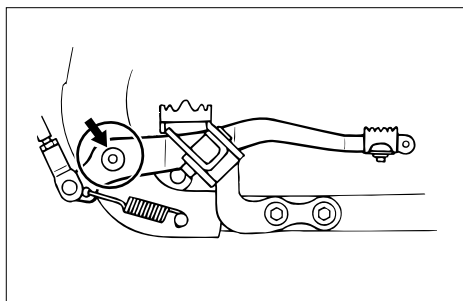
Yamaha Chain and Cable Lube  
or engine oil SAE 10W-30  
(API SE)

**WARNING**

EW000111

Damage to the outer housing of cables may result in internal rusting and cause interference with cable movement. Replace damaged cables as soon as possible to prevent unsafe conditions.

## PERIODIC MAINTENANCE AND MINOR REPAIR

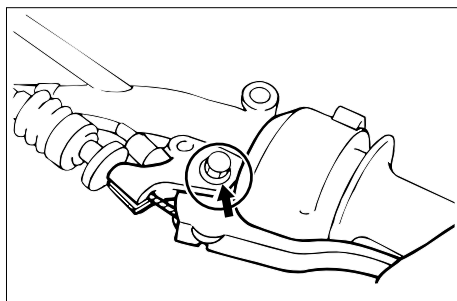


EAU00775

### Checking and lubricating the brake and shift pedals

The operation of the brake and shift pedals should be checked before each ride, and the pedal pivots should be lubricated if necessary.

Recommended lubricant:  
Lithium-soap-based grease  
(all-purpose grease)

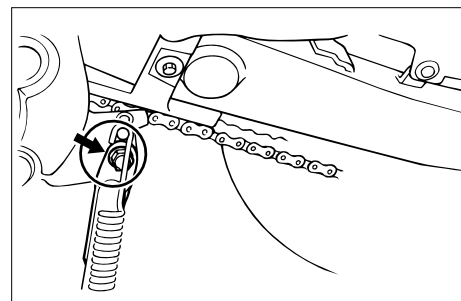


EAU03164

### Checking and lubricating the brake and clutch levers

The operation of the brake and clutch levers should be checked before each ride, and the lever pivots should be lubricated if necessary.

Recommended lubricant:  
Lithium-soap-based grease  
(all-purpose grease)



EAU03165

### Checking and lubricating the sidestand

The operation of the sidestand should be checked before each ride, and the sidestand pivot and metal-to-metal contact surfaces should be lubricated if necessary.

#### **⚠ WARNING**

If the sidestand does not move up and down smoothly, have a Yamaha dealer check or repair it.

EW000113

Recommended lubricant:  
Lithium-soap-based grease  
(all-purpose grease)

## PERIODIC MAINTENANCE AND MINOR REPAIR

### Checking the front fork

EAU002939

The condition and operation of the front fork must be checked as follows at the intervals specified in the periodic maintenance and lubrication chart.

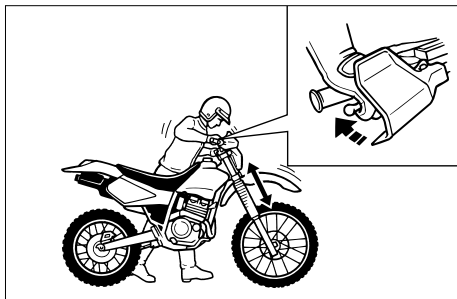
#### To check the condition

EW000115

#### **⚠ WARNING**

**Securely support the machine so that there is no danger of it falling over.**

Check the inner tubes for scratches, damage and excessive oil leakage.



#### To check the operation

1. Place the machine on a level surface and hold it in an upright position.
2. While applying the front brake, push down hard on the handlebars several times to check if the front fork compresses and rebounds smoothly.

EC000098

#### **CAUTION:**

**If any damage is found or the front fork does not operate smoothly, have a Yamaha dealer check or repair it.**

### Checking the steering

EAU00794

Worn or loose steering bearings may cause danger. Therefore, the operation of the steering must be checked as follows at the intervals specified in the periodic maintenance and lubrication chart.

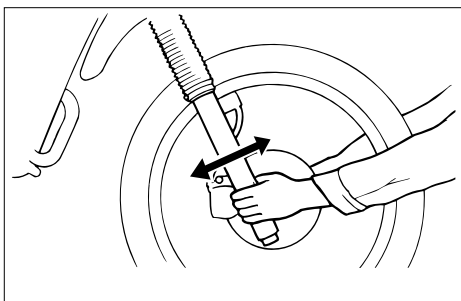
1. Place a stand under the engine to raise the front wheel off the ground.

EW000115

#### **⚠ WARNING**

**Securely support the machine so that there is no danger of it falling over.**

## PERIODIC MAINTENANCE AND MINOR REPAIR

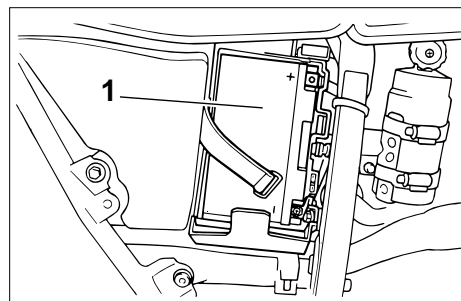


EAU01144

### Checking the wheel bearings

The front and rear wheel bearings must be checked at the intervals specified in the periodic maintenance and lubrication chart. If there is play in the wheel hub or if the wheel does not turn smoothly, have a Yamaha dealer check the wheel bearings.

2. Hold the lower ends of the front fork legs and try to move them forward and backward. If any free play can be felt, have a Yamaha dealer check or repair the steering.



1. Battery

EAU00800

### Battery

This machine is equipped with a sealed-type (MF) battery, which does not require any maintenance. There is no need to check the electrolyte or to add distilled water.

EC000101

#### CAUTION:

**Never attempt to remove the battery cell seals, as this would permanently damage the battery.**

## PERIODIC MAINTENANCE AND MINOR REPAIR

### **⚠ WARNING**

EW000116

- Electrolyte is poisonous and dangerous since it contains sulfuric acid, which causes severe burns. Avoid any contact with skin, eyes or clothing and always shield your eyes when working near batteries. In case of contact, administer the following **FIRST AID**.
  - **EXTERNAL:** Flush with plenty of water.
  - **INTERNAL:** Drink large quantities of water or milk and immediately call a physician.
  - **EYES:** Flush with water for 15 minutes and seek prompt medical attention.
- Batteries produce explosive hydrogen gas. Therefore, keep sparks, flames, cigarettes, etc., away from the battery and provide sufficient ventilation when charging it in an enclosed space.

- **KEEP THIS AND ALL BATTERIES OUT OF THE REACH OF CHILDREN.**

### **To charge the battery**

Have a Yamaha dealer charge the battery as soon as possible if it seems to have discharged. Keep in mind that the battery tends to discharge more quickly if the machine is equipped with optional electrical accessories.

### **To store the battery**

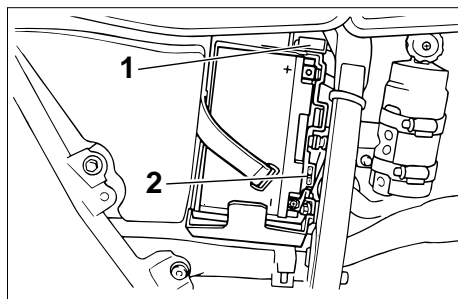
1. If the machine will not be used for more than one month, remove the battery, fully charge it, and then place it in a cool, dry place.
2. If the battery will be stored for more than two months, check it at least once a month and fully charge it if necessary.
3. Fully charge the battery before installation.
4. After installation, make sure that the battery leads are properly connected to the battery terminals.

## PERIODIC MAINTENANCE AND MINOR REPAIR

### CAUTION:

EC000102

- Always keep the battery charged. Storing a discharged battery can cause permanent battery damage.
- To charge a sealed-type (MF) battery, a special (constant-voltage) battery charger is required. Using a conventional battery charger will damage the battery. If you do not have access to a sealed-type (MF) battery charger, have a Yamaha dealer charge your battery.



1. Fuse
2. Spare fuse

EAU01307

### Replacing the fuse

The fuse holder is located behind panel B. (See page 6-6 for panel removal and installation procedures.) If the fuse is blown, replace it as follows.

1. Turn the key to "OFF" and turn off all electrical circuits.
2. Remove the blown fuse, and then install a new fuse of the specified amperage.

Specified fuse: 15A

### CAUTION:

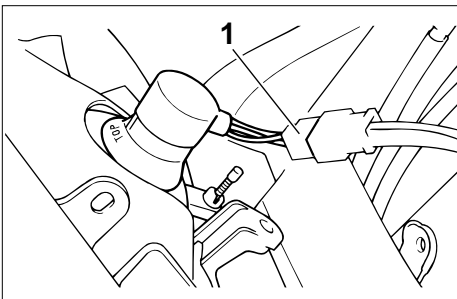
EC000103

Do not use a fuse of a higher amperage rating than recommended to avoid causing extensive damage to the electrical system and possibly a fire.

3. Turn the key to "ON" and turn on the electrical circuits to check if the devices operate.
4. If the fuse immediately blows again, have a Yamaha dealer check the electrical system.



## PERIODIC MAINTENANCE AND MINOR REPAIR



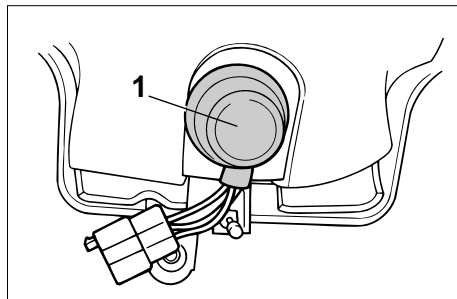
1. Coupler

EAU01855

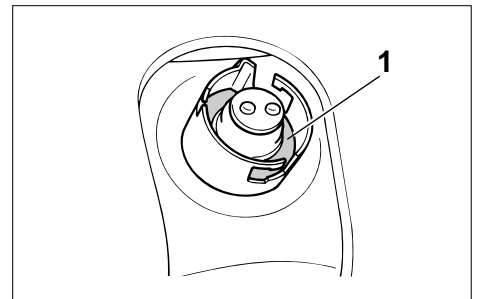
### Replacing the headlight bulb

This machine is equipped with a quartz bulb headlight. If the headlight bulb burns out, replace it as follows.

1. Remove cowling A together with the headlight unit. (See page 6-5 for cowling removal and installation procedures.)
2. Disconnect the headlight coupler, and then remove the headlight bulb cover.



1. Bulb holder cover



1. Bulb holder

3. Remove the headlight bulb holder by turning it counterclockwise, and then remove the defective bulb.

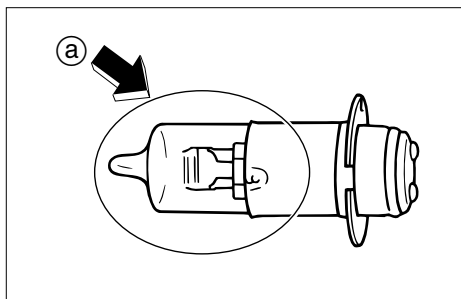
EW000119

### **WARNING**

**Headlight bulbs get very hot. Therefore, keep flammable products away from a lit headlight bulb, and do not touch the bulb until it has cooled down.**

4. Place a new bulb into position, and then secure it with the bulb holder.

## PERIODIC MAINTENANCE AND MINOR REPAIR



a. Do not touch this area.

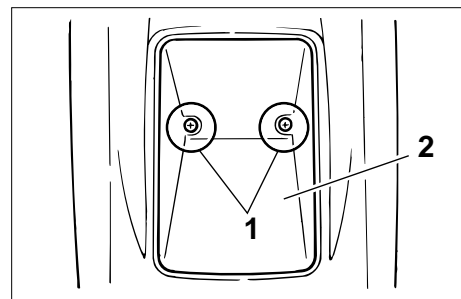
EC000105

### CAUTION:

Do not touch the glass part of the headlight bulb to keep it free from oil, otherwise the transparency of the glass, the luminosity of the bulb, and the bulb life will be adversely affected. Thoroughly clean off any dirt and fingerprints on the headlight bulb using a cloth moistened with alcohol or thinner.

5. Install the bulb cover, and then connect the coupler.

6. Install the cowling together with the headlight unit.
7. Have a Yamaha dealer adjust the headlight beam if necessary.



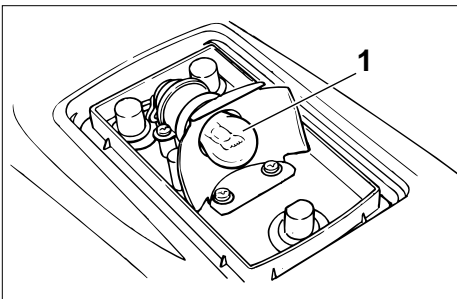
1. Screw (x2)
2. Lens

EAU03604

### Replacing the taillight bulb

1. Remove the taillight lens by removing the screws.

## PERIODIC MAINTENANCE AND MINOR REPAIR



1. Bulb

2. Remove the defective bulb by pushing it in and turning it counterclockwise.
3. Insert a new bulb into the socket, push it in, and then turn it clockwise until it stops.
4. Install the lens by installing the screws.

EC000108

### CAUTION:

**Do not overtighten the screws, otherwise the lens may break.**

EAU01579

### Supporting the machine

Since this model is not equipped with a centerstand, follow these precautions when removing the front and rear wheel or performing other maintenance requiring the machine to stand upright. Check that the machine is in a stable and level position before starting any maintenance. A strong wooden box can be placed under the engine for added stability.

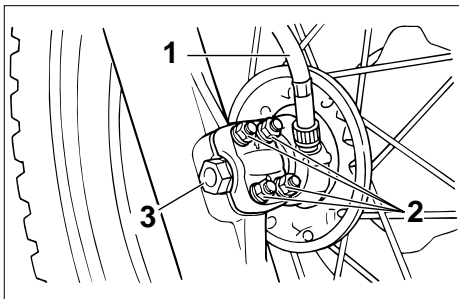
### To service the front wheel

1. Stabilize the rear of the machine by using a machine stand or, if an additional machine stand is not available, by placing a jack under the frame in front of the rear wheel.
2. Raise the front wheel off the ground by using a machine stand.

### To service the rear wheel

Raise the rear wheel off the ground by using a machine stand or, if a machine stand is not available, by placing a jack either under each side of the frame in front of the rear wheel or under each side of the swingarm.

## PERIODIC MAINTENANCE AND MINOR REPAIR



1. Tripmeter cable
2. Axle holder nut (x4)
3. Wheel axle

EAU003605

### Front wheel

#### To remove the front wheel

EW000122

#### **⚠ WARNING**

- It is advisable to have a Yamaha dealer service the wheel.
- Securely support the machine so that there is no danger of it falling over.

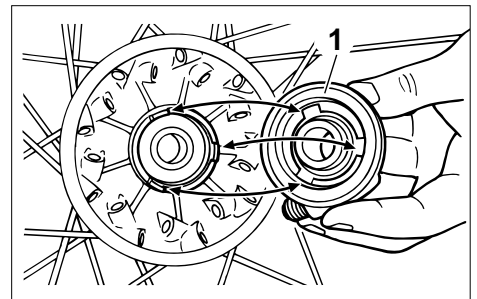
1. Remove the tripmeter cable from the front wheel.
2. Loosen the wheel axle holder nuts, then the wheel axle.

3. Lift the front wheel off the ground according to the procedure on page 6-32.
4. Pull the wheel axle out, and then remove the wheel.

ECA00048

#### **CAUTION:**

**Do not apply the brake after the wheel has been removed together with the brake disc, otherwise the brake pads will be forced shut.**



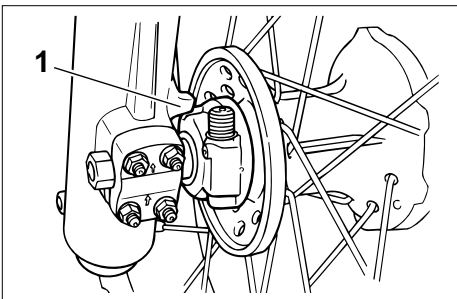
1. Tripmeter gear unit

EAU03606

#### To install the front wheel

1. Install the tripmeter gear unit into the wheel hub so that the projections mesh with the slots.
2. Lift the wheel up between the fork legs.

## PERIODIC MAINTENANCE AND MINOR REPAIR



1. Retainer

### NOTE:

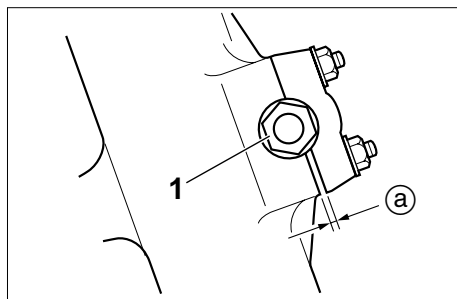
Make sure that there is enough space between the brake pads before inserting the brake disc and that the slot in the tripmeter gear unit fits over the retainer on the fork leg.

3. Insert the wheel axle, and then tighten it to the specified torque.

Tightening torque:

Wheel axle:

58 Nm (5.8 m·kg, 42 ft·lb)



1. Wheel axle

a. Gap

4. Install the axle holder nuts, and then tighten them to the specified torque.

### NOTE:

Tighten the upper nuts first, and then the lower ones. When the nuts are tightened in this sequence, there should be a gap at the bottom of the axle holder.

Tightening torque:

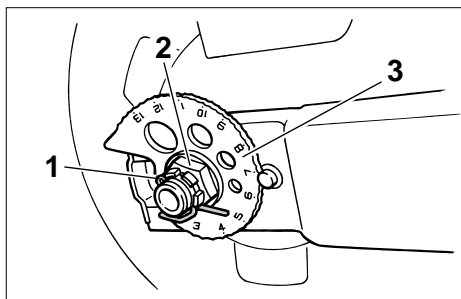
Axle holder nut:

10 Nm (1.0 m·kg, 7.2 ft·lb)

5. Push down hard on the handlebar several times to check for proper fork operation.

6. After tighten the axle holder nuts, while applying the front brake, push down on the handlebars several times to check if the front fork compress and rebounds smoothly.
7. Connect the tripmeter cable.

## PERIODIC MAINTENANCE AND MINOR REPAIR



1. Cotter pin
2. Axle nut
3. Chain adjusting plate

EAU03070

### Rear wheel

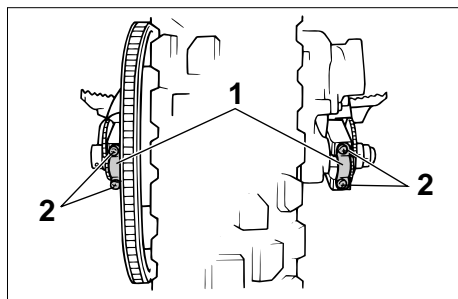
#### To remove the rear wheel

EW000122

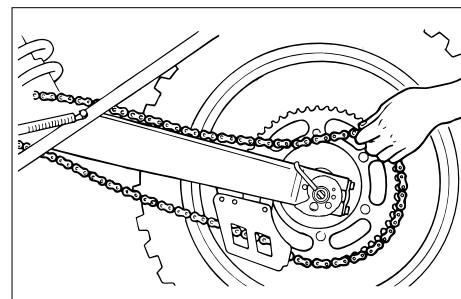
#### **WARNING**

- It is advisable to have a Yamaha dealer service the wheel.
- Securely support the machine so that there is no danger of it falling over.

1. Remove the axle nut cotter pin, and then loosen the axle nut.



1. Swingarm end cover (x2)
2. Screws (x4)
2. Lift the rear wheel off the ground according to the procedure on page 6-32.
3. Remove each swingarm end cover by removing the screws.



4. Push the wheel forward, and then remove the drive chain from the rear sprocket.

#### **NOTE:**

The drive chain does not need to be disassembled in order to remove and install the wheel.

5. Remove the wheel.

ECA00048

#### **CAUTION:**

Do not apply the brake after the wheel has been removed together with the brake disc, otherwise the brake pads will be forced shut.

## PERIODIC MAINTENANCE AND MINOR REPAIR

EAU02947

### To install the rear wheel

1. Install the drive chain onto the rear sprocket, and then insert the wheel axle from the left side.

### NOTE:

Make sure that there is enough space between the brake pads before inserting the brake disc between the pads.

2. Install each swingarm end cover by installing the screws, and then lower the rear wheel so that it is on the ground.
3. Adjust the drive chain slack. (See page 6-22 for drive chain slack adjustment procedures.)
4. Tighten the axle nut to the specified torque, and then install the cotter pin.

#### Tightening torque:

Axle nut:

105 Nm

(10.5 m·kg, 76 ft·lb)

EW000110

### WARNING

**Always use a new cotter pin for the axle nut.**

EAU01008

### Troubleshooting

Although Yamaha motorcycles receive a thorough inspection before shipment from the factory, trouble may occur during operation. Any problem in the fuel, compression, or ignition systems, for example, can cause poor starting and loss of power.

The following troubleshooting chart represents a quick and easy procedure for checking these vital systems yourself. However, should your machine require any repair, take it to a Yamaha dealer, whose skilled technicians have the necessary tools, experience, and know-how to service the machine properly.

Use only genuine Yamaha replacement parts. Imitation parts may look like Yamaha parts, but they are often inferior, have a shorter service life and can lead to expensive repair bills.

# PERIODIC MAINTENANCE AND MINOR REPAIR

## Troubleshooting chart

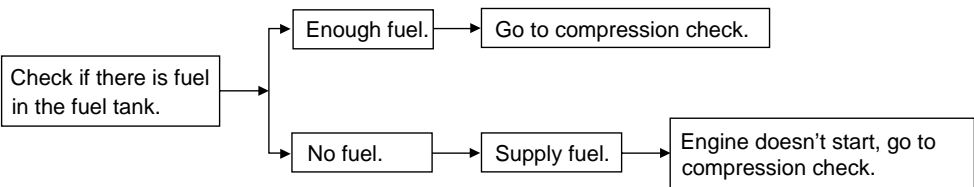
EAU01397

EW000125

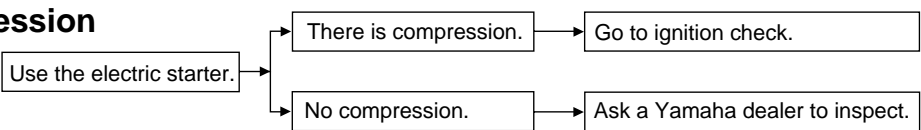
### ⚠️WARNING

Keep away open flames and do not smoke while checking or working on the fuel system.

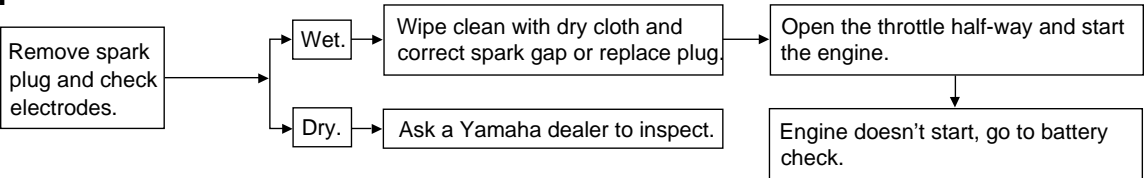
### 1. Fuel



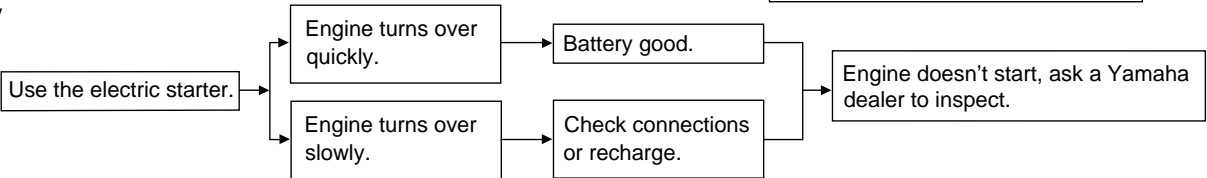
### 2. Compression



### 3. Ignition



### 4. Battery





## MACHINE CARE AND STORAGE

### Care

While the open design of a machine reveals the attractiveness of the technology, it also makes it more vulnerable. Rust and corrosion can develop even if high-quality components are used. A rusty exhaust pipe may go unnoticed on a car, however, it detracts from the overall appearance of a machine. Frequent and proper care does not only comply with the terms of the warranty, but it will also keep your machine looking good, extend its life and optimize its performance.

### Before cleaning

1. Cover the muffler outlet with a plastic bag after the engine has cooled down.
2. Make sure that all caps and covers as well as all electrical couplers and connectors, including the spark plug cap, are tightly installed.
3. Remove extremely stubborn dirt, like oil burnt onto the crankcase, with a degreasing agent and a brush, but never apply such products onto seals, gaskets, sprockets, the drive chain and wheel axles. Always rinse the dirt and degreaser off with water.

### Cleaning

ECA00010

#### CAUTION:

- **Avoid using strong acidic wheel cleaners, especially on spoked wheels. If such products are used on hard-to-remove dirt, do not leave the cleaner on the affected area any longer than instructed. Also, thoroughly rinse the area off with water, immediately dry it, and then apply a corrosion protection spray.**
- **Improper cleaning can damage windshields, cowlings, panels and other plastic parts. Use only a soft, clean cloth or sponge with mild detergent and water to clean plastic.**

## MACHINE CARE AND STORAGE

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- Do not use any harsh chemical products on plastic parts. Be sure to avoid using cloths or sponges which have been in contact with strong or abrasive cleaning products, solvent or thinner, fuel (gasoline), rust removers or inhibitors, brake fluid, antifreeze or electrolyte.
- Do not use high-pressure washers or steam-jet cleaners since they cause water seepage and deterioration in the following areas: seals (of wheel and swingarm bearings, fork and brakes), electric components (couplers, connectors, instruments, switches and lights), breather hoses and vents.
- For motorcycles equipped with a windshield: Do not use strong cleaners or hard sponges as they will cause dulling or scratching. Some cleaning compounds for plastic may leave scratches on the windshield. Test the product on a small hidden part of the windshield to make sure that it does not leave any marks. If the windshield is scratched, use a quality plastic polishing compound after washing.

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### After normal use

Remove dirt with warm water, a mild detergent, and a soft, clean sponge, and then rinse thoroughly with clean water. Use a toothbrush or bottle-brush for hard-to-reach areas. Stubborn dirt and insects will come off more easily if the area is covered with a wet cloth for a few minutes before cleaning.

### After riding in the rain, near the sea or on salt-sprayed roads

Since sea salt or salt sprayed on roads during winter are extremely corrosive in combination with water, carry out the following steps after each ride in the rain, near the sea or on salt-sprayed roads.

### **NOTE:**

Salt sprayed on roads in the winter may remain well into spring.

1. Clean the machine with cold water and a mild detergent, after the engine has cooled down.

ECA00012

### **CAUTION:**

**Do not use warm water since it increases the corrosive action of the salt.**

2. Apply a corrosion protection spray on all metal, including chrome- and nickel-plated, surfaces to prevent corrosion.

## MACHINE CARE AND STORAGE

### After cleaning

1. Dry the machine with a chamois or an absorbing cloth.
2. Immediately dry the drive chain and lubricate it to prevent it from rusting.
3. Use a chrome polish to shine chrome, aluminum and stainless-steel parts, including the exhaust system. (Even the thermally induced discoloring of stainless-steel exhaust systems can be removed through polishing.)
4. To prevent corrosion, it is recommended to apply a corrosion protection spray on all metal, including chrome- and nickel-plated, surfaces.
5. Use spray oil as a universal cleaner to remove any remaining dirt.
6. Touch up minor paint damage caused by stones, etc.
7. Wax all painted surfaces.

8. Let the machine dry completely before storing or covering it.

EWA00001

### **⚠ WARNING**

- **Make sure that there is no oil or wax on the brakes or tires. If necessary, clean the brake discs and brake linings with a regular brake disc cleaner or acetone, and wash the tires with warm water and a mild detergent.**
- **Before operating the machine test its braking performance and cornering behavior.**

### **CAUTION:**

- **Apply spray oil and wax sparingly and make sure to wipe off any excess.**
- **Never apply oil or wax to any rubber and plastic parts, but treat them with a suitable care product.**
- **Avoid using abrasive polishing compounds as they will wear away the paint.**

### **NOTE:**

Consult a Yamaha dealer for advice on what products to use.

ECA00013

## MACHINE CARE AND STORAGE

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### Storage

#### Short-term

Always store your machine in a cool, dry place and, if necessary, protect it against dust with a porous cover.

ECA00014

#### CAUTION:

- Storing the machine in a poorly ventilated room or covering it with a tarp, while it is still wet, will allow water and humidity to seep in and cause rust.
- To prevent corrosion, avoid damp cellars, stables (because of the presence of ammonia) and areas where strong chemicals are stored.

#### Long-term

Before storing your machine for several months:

1. Follow all the instructions in the "Care" section of this chapter.
2. For motorcycles equipped with a fuel cock that has an "OFF" position: Turn the fuel cock lever to "OFF".
3. Drain the carburetor float chamber by loosening the drain bolt; this will prevent fuel deposits from building up. Pour the drained fuel into the fuel tank.
4. Fill up the fuel tank and add fuel stabilizer (if available) to prevent the fuel tank from rusting and the fuel from deteriorating.
5. Perform the following steps to protect the cylinder, piston rings, etc. from corrosion.
  - a. Remove the spark plug cap and spark plug.
  - b. Pour a teaspoonful of engine oil into the spark plug bore.

- c. Install the spark plug cap onto the spark plug, and then place the spark plug on the cylinder head so that the electrodes are grounded. (This will limit sparking during the next step.)
- d. Turn the engine over several times with the starter. (This will coat the cylinder wall with oil.)
- e. Remove the spark plug cap from the spark plug, and then install the spark plug and the spark plug cap.

EWA00003

#### **WARNING**

**To prevent damage or injury from sparking, make sure to ground the spark plug electrodes while turning the engine over.**

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## MACHINE CARE AND STORAGE

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6. Lubricate all control cables and the pivoting points of all levers and pedals as well as of the sidestand/centerstand.
7. Check and, if necessary, correct the tire air pressure, and then lift the machine so that both of its wheels are off the ground. Alternatively, turn the wheels a little every month in order to prevent the tires from becoming degraded in one spot.
8. Cover the muffler outlet with a plastic bag to prevent moisture from entering it.
9. Remove the battery and fully charge it. Store it in a cool, dry place and charge it once a month. Do not store the battery in an excessively cold or warm place (less than 0°C (30°F) or more than 30°C (90°F)). For more information on storing the battery, see page 6-28.

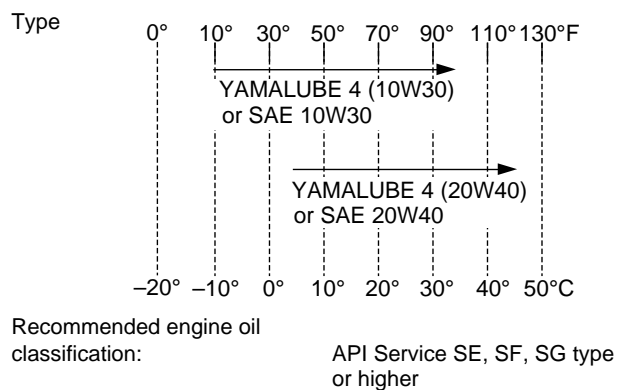
**NOTE:** \_\_\_\_\_  
Make any necessary repairs before storing the machine.  
\_\_\_\_\_

# SPECIFICATIONS

## Specifications

<b>Model</b>	<b>TTR250N(C)</b>
<b>Dimensions</b>	
Overall length	2,095 mm (82.5 in)
Overall width	835 mm (32.9 in)
Overall height	1,260 mm (49.6 in)
Seat height	915 mm (36 in)
Wheel base	1,405 mm (55.3 in)
Ground clearance	305 mm (12 in)
Minimum turning radius	2,200 mm (86.6 in)
<b>Basic weight (with oil and full fuel tank)</b>	<b>124 kg (273 lb)</b>
<b>Engine</b>	
Engine type	Air-cooled 4-stroke, DOHC
Cylinder arrangement	Forward - inclined single cylinder
Displacement	249 cm <sup>3</sup>
Bore × Stroke	73.0 × 59.6 mm (2.87 × 2.35 in)
Compression ratio	10.2:1
Starting system	Electric starter
Lubrication system	Wet sump

### Engine oil



### CAUTION:

Be sure to use motor oils that do not contain anti-friction modifiers. Passenger car motor oils (often labeled “Energy Conserving”) contain anti-friction additives which will cause clutch and/or starter clutch slippage, resulting in reduced component life and poor engine performance.

### Quantity

Without oil filter element replacement	1.1 L (0.97 Imp qt, 1.16 US qt)
With oil filter element replacement	1.2 L (1.06 Imp qt, 1.27 US qt)
Total amount (dry engine)	1.45 L (1.28 Imp qt, 1.53 US qt)

## SPECIFICATIONS

<b>Air filter</b>	Wet type element
<b>Fuel</b>	
Type	UNLEADED FUEL RECOMMENDED
Fuel tank capacity	10 L (2.2 Imp gal, 2.64 US gal)
Reserve amount	2 L (0.44 Imp gal, 0.53 US gal)
<b>Carburetor</b>	
Manufacturer	TEIKEI
Model × quantity	Y30P × 1
<b>Spark plug</b>	
Manufacturer/model	NGK / CR9E or DENSO / U27ESR-N
Spark plug gap	0.7–0.8 mm (0.03–0.03 in)
<b>Clutch type</b>	Wet, multiple-disc
<b>Transmission</b>	
Primary reduction system	Spur gear
Primary reduction ratio	74/24 (3.083)
Secondary reduction system	Chain drive
Secondary reduction ratio	4.000
Number of drive chain sprocket teeth (rear/front)	52/13
Transmission type	Constant mesh 6-speed
Operation	Left foot operation

Gear ratio	1st	2.467
	2nd	1.813
	3rd	1.364
	4th	1.080
	5th	0.889
	6th	0.759

<b>Chassis</b>		
Frame type		Semi double cradle
Caster angle		26°
Trail		108 mm (4.25 in)
<b>Tires</b>		
Type		With tube
Front		
	Size	80/100-21 51M
	Manufacturer/ Model	DUNLOP / D739FA
Rear		
	Size	100/100-18 59M
	Manufacturer/ Model	DUNLOP / D739

# SPECIFICATIONS

Maximum load*		90 kg (198 lb)
* Load is total weight of rider, cargo and accessories.		
Tire air pressure (measured on cold tires)		
	Front	100 kPa (1.00 kgf/cm <sup>2</sup> , 15.0 psi)
	Rear	100 kPa (1.00 kgf/cm <sup>2</sup> , 15.0 psi)
<b>Wheels</b>		
Front		
	Type	Spoke wheel
	Size	1.60 × 21
Rear		
	Type	Spoke wheel
	Size	2.15 × 18
<b>Brakes</b>		
Front		
	Type	Single disc brake
	Operation	Right hand
	Fluid	DOT 4
Rear		
	Type	Single disc brake
	Operation	Right foot
	Fluid	DOT 4

<b>Suspension</b>		
Front	Type	Telescopic fork
Rear	Type	Swingarm (link suspension)
<b>Spring/Shock absorber</b>		
Front		Coil spring/oil damper
Rear		Coil spring/gas-oil damper
<b>Wheel travel</b>		
Front		280 mm (11.02 in)
Rear		280 mm (11.02 in)
<b>Electrical</b>		
Ignition system		C.D.I
Charging system		
	Type	A.C. magneto
	Standard output	14 V, 12A @5,000 r/min
Battery		
	Type	GT7B-4
	Voltage, capacity	12 V, 6.5 AH



## SPECIFICATIONS

<b>Headlight type</b>	Halogen bulb
<b>Bulb voltage, wattage × quantity</b>	
Headlight	12 V, 35/36.5W × 1
Taillight	12 V, 21/5W × 1
<b>Fuse</b>	15A

# CONSUMER INFORMATION

## Identification numbers

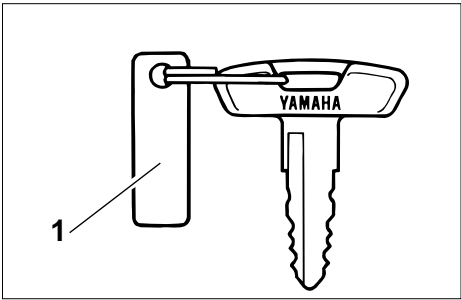
Record the key identification number, vehicle identification number and model label information in the spaces provided below for assistance when ordering spare parts from a Yamaha dealer or for reference in case the vehicle is stolen.

### 1. KEY IDENTIFICATION NUMBER:

### 2. VEHICLE IDENTIFICATION NUMBER:

### 3. MODEL LABEL INFORMATION:

EAU02944

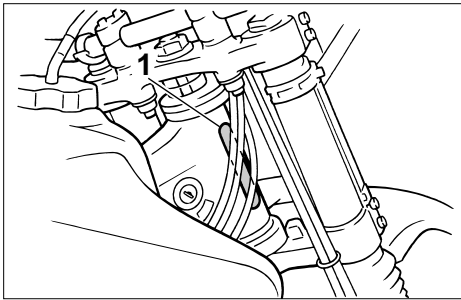


1. Key identification number

EAU01041

### Key identification number

The key identification number is stamped into the key tag. Record this number in the space provided and use it for reference when ordering a new key.



1. Vehicle identification number

EAU01043

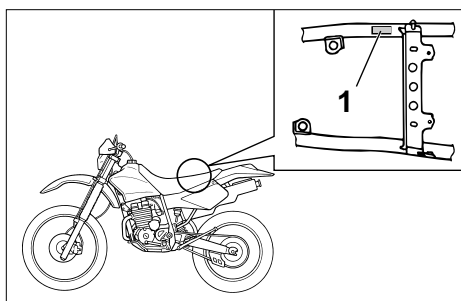
### Vehicle identification number

The vehicle identification number is stamped into the steering head pipe. Record this number in the space provided.

### NOTE:

The vehicle identification number is used to identify your machine and may be used to register your machine with the licensing authority in your area.

## CONSUMER INFORMATION



1. Model label

EAU01050

### Model label

The model label is affixed to the frame under the seat. (See page 3-6 for seat removal and installation procedures.) Record the information on this label in the space provided. This information will be needed when ordering spare parts from a Yamaha dealer.

## CONSUMER INFORMATION

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EAU01053

### Motorcycle noise regulation

#### TAMPERING WITH NOISE CONTROL SYSTEM PROHIBITED:

Federal law prohibits the following acts or the causing thereof: (1) The removal or rendering inoperative by any person other than for purposes of maintenance, repair, or replacement of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use or (2) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

"AMONG THOSE ACTS PRESUMED TO CONSTITUTE TAMPERING ARE THE ACTS LISTED BELOW".

These acts include tampering with the following systems; i.e., modification, removal, etc.

Exhaust system	Muffler Exhaust pipe Silencer
Intake system	Air cleaner case Air cleaner element Intake duct

## CONSUMER INFORMATION

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# CONSUMER INFORMATION

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## Maintenance record

EAU02932

Have a Yamaha dealer complete this record when the motorcycle is serviced.

Maintenance interval	Date of service	Mileage	Servicing dealer name and address	Remarks

# CONSUMER INFORMATION

Maintenance interval	Date of service	Mileage	Servicing dealer name and address	Remarks

# CONSUMER INFORMATION

EAU02922

## YAMAHA MOTOR CORPORATION, U.S.A. OFF-ROAD MOTORCYCLE LIMITED WARRANTY

Yamaha Motor Corporation, U.S.A. hereby warrants that each new Yamaha off-road motorcycle purchased from an authorized Yamaha motorcycle dealer in the continental United States will be free from defects in material and workmanship for the period of time stated herein, subject to certain stated limitations.

**THE PERIOD OF WARRANTY** for Yamaha off-road motorcycles shall be ninety (90) days from the date of purchase, with no mileage limitation.

**MODELS EXCLUDED FROM WARRANTY** include those used for non-Yamaha-authorized renting, leasing, or other commercial purposes.

**DURING THE PERIOD OF WARRANTY** any authorized Yamaha motorcycle dealer will, free of charge, repair or replace, at Yamaha's option, any part adjudged defective by Yamaha due to faulty workmanship or material from the factory. Parts used in warranty repairs will be warranted for the balance of the product's warranty period. All parts replaced under warranty become property of Yamaha Motor Corp. U.S.A.

**GENERAL EXCLUSIONS** from this warranty shall include any failures caused by:

- a. Competition or racing use (except TY models used for sanctioned trials).
- b. Installation of parts or accessories that are not qualitatively equivalent to genuine Yamaha parts.
- c. Abnormal strain, neglect, or abuse.
- d. Lack of proper maintenance.
- e. Accident or collision damage.
- f. Modification to original parts.

**SPECIFIC EXCLUSIONS** from this warranty shall include parts replaced due to normal wear or routine maintenance.

**THE CUSTOMER'S RESPONSIBILITY** under this warranty shall be to:

1. Operate and maintain the motorcycle as specified in the appropriate Owner's Manual, and
2. Give notice to an authorized Yamaha motorcycle dealer of any and all apparent defects within ten (10) days after discovery, and make the machine available at that time for inspection and repairs at such dealer's place of business.

**WARRANTY TRANSFER:** To transfer the warranty from the original purchaser to any subsequent purchaser, it is imperative that the machine be inspected and registered for warranty by an authorized Yamaha motorcycle dealer. In order for this warranty to remain in effect, this inspection and registration must take place within ten (10) days after transfer. An inspection and registration fee will be charged for this service.

**YAMAHA MOTOR CORPORATION, U.S.A. MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED THE OBLIGATIONS AND TIME LIMITS STATED IN THIS WARRANTY ARE HEREBY DISCLAIMED BY YAMAHA MOTOR CORPORATION, U.S.A. AND EXCLUDED FROM THIS WARRANTY.**

**SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. ALSO EXCLUDED FROM THIS WARRANTY ARE ANY IN-**

**CIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING LOSS OF USE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU.**

**THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.**

YAMAHA MOTOR CORPORATION, U.S.A.  
P. O. Box 6555  
Cypress, California 90630



# CONSUMER INFORMATION

## WARRANTY QUESTIONS AND ANSWERS

- Q. What costs are my responsibility during the warranty period?
- A. The customer's responsibility includes all costs of normal maintenance services, non-warranty repairs, accident and collision damages, and oil, oil filters, air filters, spark plugs, and brake shoes.
- Q. What are some examples of "abnormal" strain, neglect, or abuse?
- A. These terms are general and overlap each other in areas. Specific examples include: Running the machine out of oil, sustained high-rpm, full-throttle, operating the machine with a broken or damaged part which causes another part to fail, damage or failure due to improper or careless transportation and or tie down. If you have any specific questions on operation or maintenance, please contact your dealer for advice.
- Q. Does the warranty cover incidental costs such as towing or transportation due to a failure?
- A. No. The warranty is limited to repair of the machine itself.
- Q. May I perform any or all of the recommended maintenance shown in the Owner's Manual instead of having the dealer do them?
- A. Yes, if you are a qualified mechanic and follow the procedures specified in the Owner's and Service Manual. We do recommend, however, that items requiring special tools or equipment be done by Yamaha Motorcycle dealer.
- Q. Will the warranty be void or cancelled if I do not operate or maintain my new motorcycle exactly as specified in the Owner's Manual?
- A. No. The warranty on a new motorcycle cannot be "voided" or "cancelled." **However, if a particular failure is caused by operation or maintenance other than as shown in the Owner's Manual, that failure may not be covered under warranty.**
- Q. What responsibility does my dealer have under this warranty?
- A. Each Yamaha Motorcycle dealer is expected to:
1. Completely set up every new machine before sale.
  2. Explain the operation, maintenance, and warranty requirements to your satisfaction at the time of sale, and upon your request at any later date.
  3. Each Yamaha Motorcycle dealer is held responsible for his setup, service and warranty repair work.
- Q. Is the warranty transferable to second owners?
- A. Yes. The remainder of the existing warranty can be transferred upon request. The unit has to be inspected and re-registered by an authorized Yamaha Motorcycle dealer for the policy to remain effective.

## CUSTOMER SERVICE

If your machine requires warranty service, you must take it to any authorized Yamaha Motorcycle dealer within the continental United States. Be sure to bring your warranty registration card or other valid proof of the original date of purchase. If a question or problem arises regarding warranty, first contact the owner of the dealership. Since all warranty matters are handled at the dealer level, this person is in the best position to help you. If you are still not satisfied and require additional assistance, please write:

YAMAHA MOTOR CORPORATION U.S.A.  
CUSTOMER RELATIONS DEPARTMENT  
P.O. Box 6555  
Cypress, California 90630

When contacting Yamaha Motor Corporation, U.S.A. don't forget to include any important information such as names, addresses, model, V.I.N. (frame number), dates, and receipts.

## CHANGE OF ADDRESS

The federal government requires each manufacturer of a motor vehicle to maintain a complete, up-to-date list of all first purchasers against the possibility of a safety-related defect and recall. This list is compiled from the purchase registrations sent to Yamaha Motor Corporation, U.S.A. by the selling dealer at the time of your purchase.

If you should move after you have purchased your new motorcycle, please advise us of your new address by sending a postcard listing your motorcycle model name, V.I.N. (frame number), dealer number (or dealer's name) as it is shown on your warranty card, your name and new mailing address. Mail to:

YAMAHA MOTOR CORPORATION, U.S.A.  
P.O. Box 6555  
Cypress, California 90630  
Attention: Warranty Department

This will ensure that Yamaha Motor Corporation, U.S.A. has an up-to-date registration record in accordance with federal law.

## CONSUMER INFORMATION

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EAU01063

### YAMAHA EXTENDED SERVICE (Y.E.S.)

Keep your Yamaha protected even after your warranty expires with genuine Yamaha Extended Service (Y.E.S.).

- Y.E.S. is designed and administered by Yamaha Motor Corporation to provide maximum owner satisfaction. You get uninterrupted factory-backed coverage for extra peace of mind.
- Y.E.S. is flexible. You choose the plan that's right for you: 12 months, 24 months, or 36 months beyond your warranty period.
- Y.E.S. is designed and administered by the same Yamaha people who handle your warranty – and it shows in the comprehensive coverage benefits. There are no mileage limitations. Coverage isn't limited to "moving parts" or the "drive train" like many other plans. And Y.E.S. covers manufacturing defects just like the warranty. See the sample contract at your Yamaha dealer to see how comforting uninterrupted factory-backed protection can be.
- You don't have to pay anything for covered repairs. There's no deductible to pay, and repairs aren't "pro-rated." You don't have any "out-of-pocket" expenses for covered repairs.
- In addition, Travel and Recreation Interruption Protection (TRIP) is included at no extra cost. TRIP gives you up to \$150 reimbursement per occurrence for any reasonable expenses you incur because your Yamaha needs covered service: replacement vehicle rental, emergency towing, phone calls, even food and lodging when you are away from home. This superb coverage goes into effect when you purchase Y.E.S., so it applies to any warranty repairs as well as covered repairs during your entire Y.E.S. plan period.
- Y.E.S. coverage is honored at any authorized Yamaha dealer nationwide.
- Y.E.S. coverage is transferable to a new owner if you sell or trade-in. That can make your Yamaha much more valuable!

This excellent Y.E.S. plan coverage is only available to Yamaha owners like you, and only while your Yamaha is still within the Yamaha Limited Warranty period. So visit your authorized Yamaha dealer to get all the facts. He can show you how easy it is to protect your investment with Yamaha Extended Service.

## CONSUMER INFORMATION

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We urge you to act now. You'll get the excellent benefits of TRIP coverage right away, and you'll rest easy knowing you'll have strong factory-backed protection even after your Yamaha Limited Warranty expires. You can also save money: Y.E.S. costs less within the first 90 days after you buy your Yamaha. See your dealer today!

A special note:

If visiting your dealer isn't convenient, contact Yamaha with your Primary ID number (your frame number). We'll be happy to help you get the Y.E.S. coverage you need.

Yamaha Service Marketing  
P.O. Box 6555  
Cypress, CA 90630



**YAMAHA EXTENDED SERVICE**

***PROTECT YOUR INVESTMENT***  
***Use Genuine YAMAHA Parts And Accessories***

***See your Authorized YAMAHA Dealer for a Genuine YAMAHA  
Service Manual.***



**YAMAHA**

YAMAHA MOTOR CO., LTD.