

OWNER'S MANUAL

YZF600RG

4ND-28199-20

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INTRODUCTION

Congratulations on your purchase of the Yamaha YZF600RG. 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 motorcycle. If you have any questions about the operation or maintenance of your motorcycle, please consult a Yamaha dealer.

EAA10500

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 motorcycle operator, a bystander or a person inspecting or repairing the motorcycle.

CAUTION:

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

NOTE:

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

EUU00000

NOTE:_____

This manual should be considered a permanent part of this motorcycle and should remain with it even if the motorcycle is subsequently sold.

EUU13800

NOTE:_

Yamaha continually seeks advancements in product design and quality. Therefore, while this manual contains the most current product information available at the time of printing, there may be minor discrepancies between your machine and this manual. If there is any question concerning this manual, please consult your Yamaha dealer.



PLEASE READ THIS MANUAL CAREFULLY AND COMPLETELY BEFORE OPERATING THIS MOTORCYCLE.

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A SAFETY INFORMATION

TWO-WHEELED MOTORCYCLES 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.

HE OR SHE SHOULD:

- 1. OBTAIN THOROUGH INSTRUCTIONS FROM A COMPETENT SOURCE ON ALL ASPECTS OF MOTORCYCLE 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 motorcycle is designed to carry the operator and a passenger.

3. The failure of motorists to detect and recognize motorcycles in traffic is the predominating cause of automobile/motorcycle accidents. Many accidents have been caused by an automobile driver who did not see the motorcycle. Making yourself conspicuous appears to be very effective in reducing the chance of this type of accident.

Therefore:

- a. Wear a brightly colored jacket.
- b. Use extra caution when you approach and pass through intersections, since intersections are the most likely places for motorcycle accidents.
- c. Ride where other motorists can see you. Avoid riding in another motorist's "blind spot".
- 4. Many accidents involve inexperienced operators. In fact, many operators who have been involved in accidents do not even have a current motorcycle license.
 - a. Make sure you are qualified. Also, only lend your motorcycle to experienced operators.
 - b. Know your skills and limits. Staying within your limits may help you to avoid an accident.
 - c. We recommend that you practice riding your motorcycle where there is no traffic until you have become thoroughly familiar with your motorcycle and all of its controls.

- 5. Many motorcycle accidents have been caused by motorcycle operator errors. 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).
 - a. Always obey the speed limits and never travel faster than warranted by road and traffic conditions.
 - b. Always signal before turning or changing lanes. Make sure other motorists see you.
- 6. The operator's and passenger's posture are important for proper control.
 - a. The operator should keep both hands on the handlebars and both feet on the operator footrests during operation to maintain control of the motorcycle.
 - b. The passenger should always hold on to the operator, or the seat strap or grab bar if the motorcycle is so equipped, with both hands and keep both feet on the passenger footrests.
 - c. Never carry a passenger unless he or she can firmly place both feet on the passenger footrests.
- 7. Never ride under the influence of alcohol or drugs.
- 8. This motorcycle is designed for on-road use only. It is not suitable for off-road use.

PROTECTIVE APPAREL

The majority of fatalities from motorcycle 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 on your unprotected eyes could contribute to an impairment of vision which could delay seeing a hazard.
- 3. The use of heavy boots, jacket, trousers, gloves, etc. is effective in preventing or reducing abrasions or lacerations.
- 4. Never wear loose fitting clothing. It could catch on the control levers, footrests, or wheels and cause injury or accident.
- 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.
- 6. A passenger should also observe the above precautions.

MODIFICATION

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

LOADING AND ACCESSORIES

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

LOADING

The total weight of the operator, passenger, accessories and cargo must not exceed the maximum load limit of 384 lbs. (174 kg).

When loading within these weight limits, keep the following in mind:

- 1. Cargo and accessory weight should be kept as low and close to the motorcycle as possible. Be 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 motorcycle before riding. Recheck accessory mounts and cargo restraints frequently.

3. Never attach any large or heavy items to the handlebars, front forks, or front fender. These items, including such cargo as sleeping bags, duffle bags, or tents, can create unstable handling or slow steering response.

ACCESSORIES

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

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

- Never install accessories or carry cargo that would impair the performance of your motorcycle. Carefully inspect the accessory before using it to make sure 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 motorcycle due to aerodynamic effects. Wind may attempt to lift the motorcycle, or the motorcycle may become unstable in cross winds. These accessories may also cause instability when being passed by or passing large vehicles.
- 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. Caution must be used if adding electrical accessories. If these accessories exceed the capacity of the motorcycle's electrical system, an electric failure could result, which could cause a dangerous loss of lights or engine power.

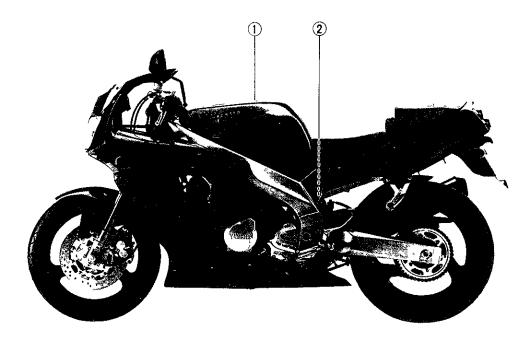
GASOLINE AND EXHAUST GAS

- 1. GASOLINE IS HIGHLY FLAMMABLE:
 - a. Always turn off the engine 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 motorcycle in an area that has adequate ventilation.

- 3. Always turn off the engine before leaving the motorcycle unattended and remove the ignition key. When parking the motorcycle, note the following:
 - a. The engine and exhaust pipe(s)/muffler(s) may be hot. Park the motorcycle in a place where pedestrians or children are not likely to touch these hot areas.
 - b. Do not park the motorcycle on a slope or soft ground; the motorcycle may fall over.
 - c. Do not park the motorcycle near a flammable source, e.g. a kerosene heater, or near an open flame. The motorcycle could catch fire.
- 4. When transporting the motorcycle in another vehicle, be sure it is kept upright. If it 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 in your eye(s), see your doctor immediately. If any gasoline spills on your skin or clothing, immediately wash it off with soap and water and change your clothes.

LOCATION OF THE IMPORTANT LABELS

Please read the following labels carefully before operating this motorcycle.



1

WARNING

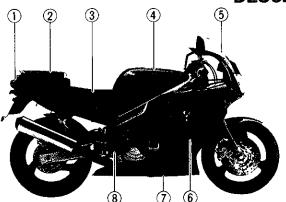
Before you operate this vehicle, read the owner's manual

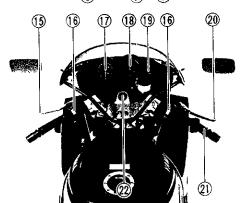
English

3HP-21568-00

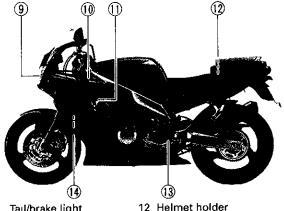
2











- Tail/brake light
- 2 Passenger seat (with seat cover)
- 3 Rider seat
- Fuel tank
- Upper cowl
- Side cowl
- Lower cowl
- Rear brake pedal
- Headlight
- 10 "FUEL" (Reserve) switch 22 Main switch
- 11 Starter lever (CHOKE)

- 13 Shift pedal
- 14 Radiator
- 15 Clutch lever
- 16 Handlebar switches
- 17 Speedometer
- 18 Tachometer
- 19 Engine temperature gauge
- 20 Front brake lever
- 21 Throttle grip

EAA60000

MOTORCYCLE IDENTIFICATION

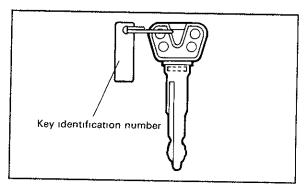
EAA60401

ld	entifi	cation	numbers	record
----	--------	--------	---------	--------

1.	KEY IDENTIFICATION NUMBER:
2.	VEHICLE IDENTIFICATION NUMBER:
3.	ENGINE SERIAL NUMBER:

Your key identification number is stamped on your key as shown in the following illustration.

Record this number in the space provided for reference if you need a new key.



Record your vehicle identification number and engine serial number in the spaces provided to assist you in ordering spare parts from your Yamaha dealer or for reference in case your vehicle is stolen. EAA80000

Vehicle identification number

The vehicle identification number is stamped into the steering head pipe.



Vehicle identification number

EUU00400

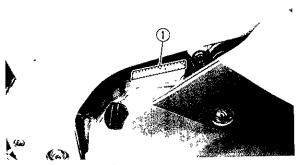
NOTE:____

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

FAA70001

Engine serial number

The engine serial number is stamped into the crankcase.



1 Engine serial number

EUU00300

NOTE:

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

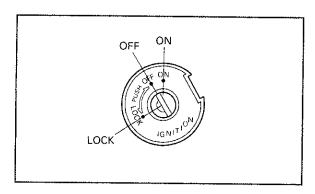
EAB00000

CONTROL FUNCTIONS

EAB00100

Main switch

The main switch controls the ignition and lighting systems. Its operation is described below.



EAB01800

ON:

Electrical circuits are switched on, and the headlight, meter light, taillight and license light come on. The engine can be started. The key cannot be removed in this position.

EAB00600

OFF:

All electrical circuits are switched off. The key can be removed in this position.

EAB00701

LOCK:

The steering is locked in this position, and all electrical circuits are switched off. The key can be removed in this position. Refer to "Steering lock" (page 5-13) for operation instructions.

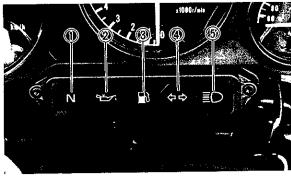
EUU00700

NOTE:.

Always turn the main switch to "OFF" or "LOCK" and remove the key when the motorcycle is unattended.

EAB10000

Indicator lights



- 1 "NEUTRAL" indicator light
- 2 "OIL LEVEL" indicator light
- 3 "FUEL LEVEL" indicator light
- 4 "TURN" indicator light
- 5 "HIGH BEAM" indicator light

EAB12200

"TURN" indicator light (green):

This indicator flashes when the turn switch is "ON".

EAB10200

"NEUTRAL" indicator light (green):

This indicator comes on when the transmission is in neutral.

EAB10300

"HIGH BEAM" indicator light (blue): This indicator comes on when the headlight high beam is used.

EAB10600

"OIL LEVEL" indicator light (red):

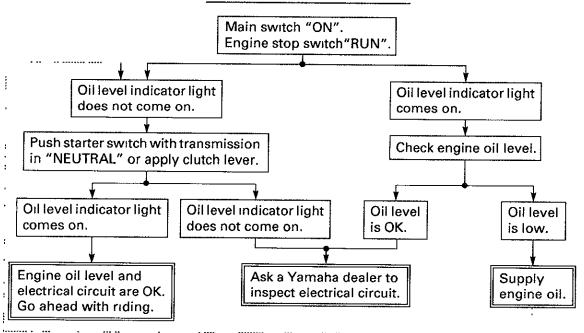
This indicator comes on when the oil level is low. This light circuit can be checked by the following procedure.

EUU30000



Do not run the motorcycle until you know it has sufficient engine oil.

Oil level indicator circuit check

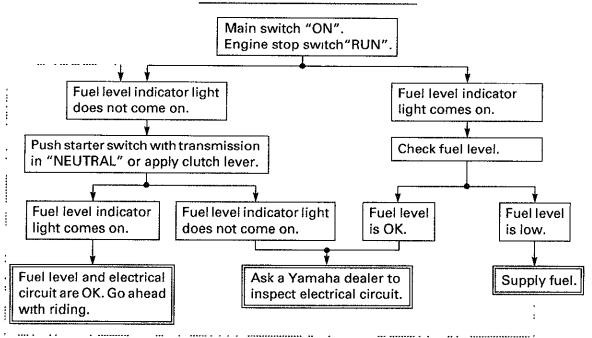


EAB11201

"FUEL LEVEL" indicator light (red):

When the fuel level drops below approximately 3.5 L (0.8 Imp gal, 0.9 US gal), this light will come on. When this light comes on, slide the "FUEL" (Reserve) switch to "RES". Then, fill the tank at the first opportunity.

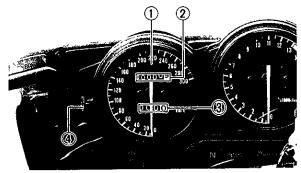
Fuel level indicator circuit check



EAB40002

Speedometer

The speedometer shows riding speed. This speedometer is equipped with an odometer and trip odometer. The trip odometer can be reset to "O" with the reset knob. Use the odometer to estimate how far you can ride on a tank of fuel before going to "RESERVE". This information will enable you to plan fuel stops in the future.

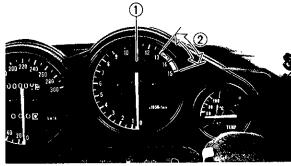


- 1 Speedometer
- 2 Odometer
- 3 Trip odometer
- 4 Reset knob

EAB40200

Tachometer

This model is equipped with an electric tachometer so the rider can monitor the engine speed and keep it within the ideal power range.



1 Tachometer

2 Red zone

EUU30400

CAUTION:

Do not operate in the red zone Red zone: 13,000 r/min and above

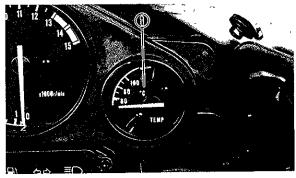
CAUTION:

This model is equipped with a diagnosis device for the fuel sender circuit. If some trouble should occur in the fuel sender circuit, the tachometer will display a repeated cycle of 0 r/min for 1 second, 8000r/min for 2 seconds and then the current engine speed for 3 seconds. If this should occur, take your motorcycle to a Yamaha dealer for repair.

EA850100

Engine temperature gauge

This gauge indicates the coolant temperature when the main switch is ON. The engine operating temperature will vary with changes in weather and engine load. If the needle points to the red zone or higher, stop your motorcycle and let the engine cool. (See page 8-11 for details.)



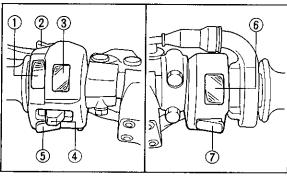
1. Engine temperature gauge

EUU30500

CAUTION

When the engine is overheated, do not continue riding.

Handlebar switches:



- 1 "HAZARD" switch
- 2 "PASS" switch
- 3 "LIGHTS" (Dimmer) switch
- 4 "TURN" signal switch
- 5 "HORN" switch
- 6 "ENGINE STOP" switch
- 7 "START" switch

EAB62800

"HAZARD" switch

The hazard switch should be turned on under emergency or hazardous conditions. Both front and rear flasher lights will flash simultaneously, when this switch is turned on with main switch in the "ON" position.

EUU46100

CAUTION:

The battery can discharge from extended use, making it difficult to operate the starter.

EUU01101

NOTE:

Turn on the hazard switch to warn other drivers if your motorcycle must be stopped where it might be a traffic hazard.

EAB63200

"PASS" switch

Press the switch to operate the passing light.

EAB60100

"LIGHTS" (Dimmer) switch

Turn the switch to "HI" for the high beam and to "LO" for the low beam.

EAB62101

"TURN" signal switch

To signal a right-hand turn, push the switch to the right; to signal a left-hand turn, push the switch to the left. Once the switch is released, it will return to the center position. To cancel the signal, push the switch in after it has returned to the center position.

EAB60200

"HORN" switch

Press the switch to sound the horn.

EAB60901

"ENGINE STOP" switch

The engine stop switch is a safety device for use in an emergency such as when the motorcycle overturns or if trouble occurs in the throttle system. Turn the switch to "RUN" to start the engine. In case of emergency, turn the switch to "OFF" to stop the engine.

EAB60701

"START" switch

The starter motor cranks the engine when pushing the starter switch.

EUU30700



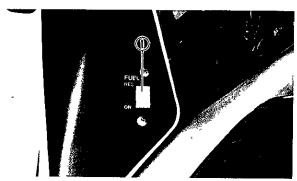
See starting instructions prior to starting the engine.

"FUEL" (Reserve) switch

This switch should usually be kept on while riding. When the "FUEL" indicator light comes on during a run, move the switch to "RES" and refuel at the first opportunity. Then move the switch to "ON".

NOTE:_

When the switch is turned to "RES", about 3.5 L (0.8 Imp gal, 0.9 US gal) remain in the fuel tank.



"FUEL" (Reserve) switch

EAB70001

Clutch lever

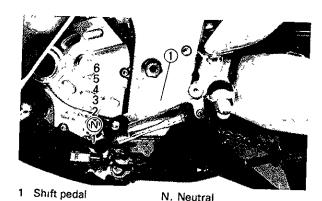
The clutch lever is located on the left handlebar, and the starting circuit cutoff switch is incorporated in the clutch lever holder. Pull the clutch lever to the handlebar to disengage the clutch, and release the lever to engage the clutch. The lever should be pulled rapidly and released slowly for smooth clutch operation. (Refer to the engine starting procedures for a description of the starting circuit cutoff switch.)

EA880001

Shift pedal

This motorcycle is equipped with a constant-mesh 6-speed transmission.

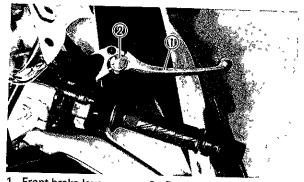
The shift pedal is located on the left side of the engine and is used in combination with the clutch when shifting.



EA890401

Front brake lever

The front brake lever is located on the right handlebar. Pull it toward the handlebar to activate the front brake. The front brake lever is equipped with a lever position adjuster. Refer to page 8-21 for adjustment.



1. Front brake lever

2. Position adjuster

EAB90101

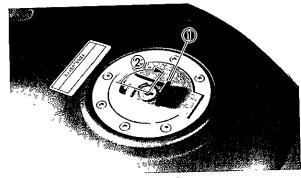
Rear brake pedal

The rear brake pedal is on the right side of the motorcycle. Press down on the brake pedal to apply the rear brake. EAC00501

Fuel tank cap

TO OPEN:

Open the key cover. Insert the key and turn it 1/4 turn clockwise. The lock will be released and the cap can be opened.



1 Key cover

2 Open

TO CLOSE:

Push the tank cap into position with the key inserted. To remove the key, turn it counterclockwise to the original position. Then, close the key cover.

FUU01200

NOTE:

This tank cap cannot be closed unless the key is in the lock. The key cannot be removed if the cap is not locked properly.

EUU61100

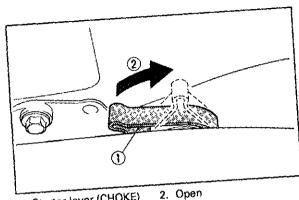
A WARNING

Be sure the cap is properly installed and locked in place before riding the motorcycle.

FAC20501

Starter lever (CHOKE)

Starting a cold engine requires a richer airfuel mixture for starting. A separate starter circuit supplies this mixture. Pull the starter lever up to open the circuit for starting. When the engine has warmed up, push the lever down to close the circuit.

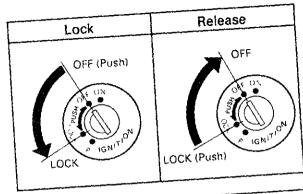


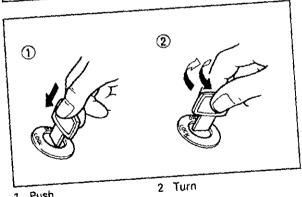
Starter lever (CHOKE)



Steering lock

The steering is locked when the main switch is turned to "LOCK". To lock the steering, turn the handlebars all the way to the left. While pushing the key into the main switch, turn it from "OFF" to "LOCK" and remove it. To release the lock, turn the key to "OFF" while pushing.





1. Push

A WARNING

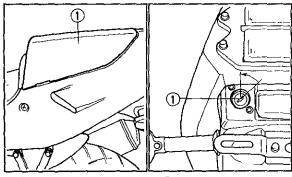
Never turn the key to "LOCK" when the motorcycle is moving.

FAC43200

Seat

1. Passenger seat

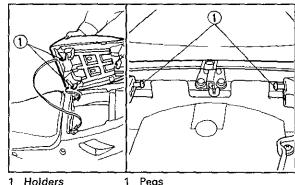
To remove the seat, insert the key in the lock and turn it counterclockwise.



1. Passenger seat

1 Seat lock

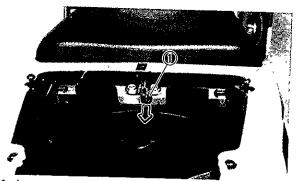
When reinstalling the seat, hook the holders on the front of the seat under the pegs and push down on the seat.



1 Holders

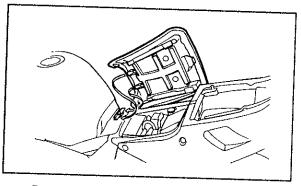
Pegs

- 2. Rider seat
- a. Remove the passenger seat and pull the lever to release the rider seat.



1 Lever

b. When reinstalling the rider seat, insert the lobe(s) on the front of the seat into the receptacle on the frame, then push down on the seat to secure.



c. Reinstall the passenger seat.

EUU01700

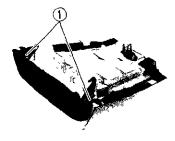
NOTE:_

Make sure that the seat is securely fitted.

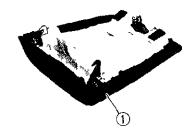
EAC55001

Seat cover removal

Remove the passenger seat. Turn it upside-down and remove the bolts holding the seat cover. Install the passenger seat grip (located in the space under the passenger seat) with the bolts used to hold the seat cover.



1 Holding bolts



1 Seat grip

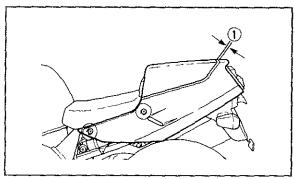
EUU80600

A WARNING

The passenger seat grip must be installed and tightened while the seat cover is removed. See page 8-6 for specified tightening torque.

NOTE:

When installing the seat cover, reverse the removal procedures. Make sure there is at least 2 mm(0.08 in) clearance between the seat cover and side cover.

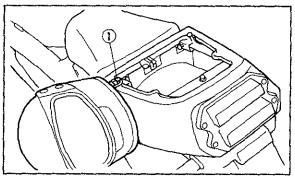


1. Clearance 2 mm (0 08 in)

EAC50700

Helmet holder

The helmet holder is under the seat. Remove the seat and hook the helmet on the helmet holder. Then, reinstall the seat and lock it.



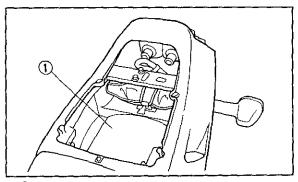
1 Helmet holder

EUU72900

WARNING

Never ride with a helmet in the helmet holder. The helmet may hit objects, causing loss of control and possibly an accident. EAC74500

Storage compartment



1 Storage compartment

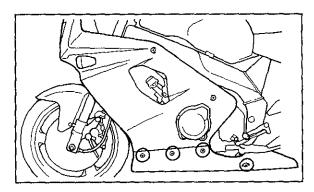
EUU76000

A WARNING

Do not exceed maximum load. Maximum load: 2 kg (4.4 lbs) EAD61100

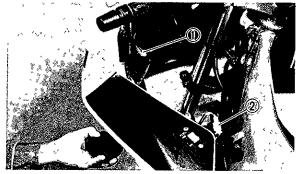
Lower cowl removal

To remove the lower cowl, remove the bolts as shown.

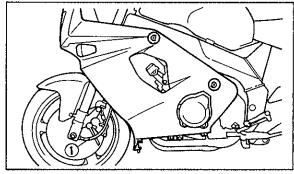


Side cowl removal

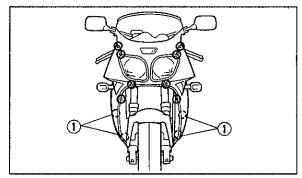
- 1. Remove the lower cowl.
- Disconnect the "FUEL" (Reserve) switch leads and the front flasher light leads.



- 1. Front flasher light leads
- 2 "FUEL" (Reserve) switch lead
 - 3. Remove the speedometer cable from the front wheel side.
 - 4. Remove the bolts as shown.



Speedometer cable

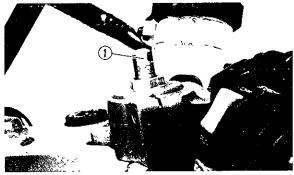


1 Pull out

EAC81101

Front fork

The spring preload of the front fork can be adjusted to suit the rider's preference, motorcycle's load (ex: optional accessories etc.) and road conditions. Refer to page 8-29 for proper adjustment procedures.



Spring preload adjuster

EAC90001

Rear shock absorber

The spring preload and the damping force of the rear shock absorber can be adjusted to suit the rider's preference, motorcycle's load (ex: optional accessories etc.) and riding conditions. Refer to page 8-31 for proper adjustment procedures.



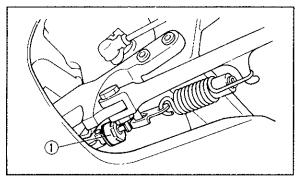


Spring preload adjuster 2 Damping adjuster

EUU68901

Sidestand

This model is equipped with an ignition circuit cut-off system. The motorcycle must not be ridden when the sidestand is down. The sidestand is located on the left side of the frame. (Refer to page 7-1 for an explanation of this system.)



Sidestand switch

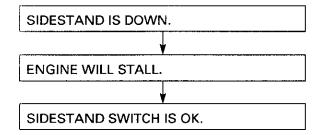
A WARNING

This motorcycle must not be operated with the sidestand in the down position. If the stand is not properly retracted, it could contact the ground and distract the operator, resulting in a possible loss of control. Yamaha has designed into this motorcycle a lockout system to assist the operator in fulfilling the responsibility of retracting the sidestand. Please check carefully the operating instructions listed below and if there is any indication of a malfunction, return the motorcycle to a Yamaha dealer immediately for repair.

EAD30800

Sidestand/clutch switch operation check Check the operation of the sidestand switch and clutch switch against the information below.

TURN MAIN SWITCH TO "ON" AND ENGINE STOP SWITCH TO "RUN". TRANSMISSION IS IN GEAR AND SIDESTAND IS UP. PULL IN CLUTCH LEVER AND PUSH STARTER SWITCH. ENGINE WILL START. CLUTCH SWITCH IS OK.



EUU69100

A WARNING

If improper operation is noted, consult a Yamaha dealer immediately.

PRE-OPERATION CHECKS

Before using this motorcycle, check the following points:

ítem	Routine	Page
Front brake	Check operation, free play, fluid level and fluid leakage. Top-up with DOT #4 brake fluid if necessary.	6-3~6-4
Rear brake	Check operation, free play, fluid level and fluid leakage. Top-up with DOT #4 brake fluid if necessary.	8-21~8-24
Clutch	Check operation, condition and free play. Adjust if necessary.	6-4, 8-25
Throttle grip/Housing	Check for smooth operation. Lubricate/Adjust if necessary.	6-4, 8-18~8-19, 8-28
Engine oil	Check oil level/add oil as required.	6-4, 8-7~8-11
Coolant reservoir tank	Check coolant level/ top up as required.	6-5, 8-11~8-14
Drive chain	Check chain slack and condition. Adjust if necessary.	6-6, 8-25~8-27
Wheels/Tires	Check tire pressure, wear damage	6-6~6-12, 8-38~8-43
Control/Meter cable	Check for smooth operation. Lubricate if necessary.	8-27~8-28
Brake and Shift pedal shafts	Check for smooth operation. Lubricate if necessary	8-28
Brake and clutch lever pivots	Check for smooth operation. Lubricate if necessary.	8-28
Sidestand pivot	Check for smooth operation. Lubricate if necessary.	8-28

Item Routine		Page
Fittings/fasteners	Check all chassis fittings and fasteners. Tighten/Adjust, if necessary.	6-12, 8-6
Fuel tank	Check fuel level/top-up as required.	6-13
Lights and signals	Check for proper operation.	6-12, 8-37~8-38

NOTE:

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

A WARNING

If any item in the Pre-Operation Check is not working properly, have it inspected and repaired before operating the motorcycle.

EAE13602

Brakes (See page 8-21 for details)

Brake lever and brake pedal
 Check for correct free play in the front brake lever and correct rear brake pedal height. Adjust if necessary. Make sure the brakes are working properly by checking at low speed shortly after starting out.

EUU61900

A WARNING

A soft, spongy feeling in the brake lever (and/or brake pedal) indicates a failure in the brake system. Do not operate the motorcycle until the failure in the brake system is corrected. Ask a Yamaha dealer for immediate repairs. A soft, spongy feeling could indicate a hazardous condition in the brake system.

Brake fluid Check the brake fluid level. Add fluid if necessary.

Recommended brake fluid: DOT #4

Check the disc pads. Refer to page 8-22

EUU02201

NOTE:_

When this brake service is necessary, consult a Yamaha dealer.

EAF10701

Brake fluid leakage

Apply each brake for a few minutes. Check to see if any brake fluid leaks out from the pipe joints or the master cylinder(s).

EUU37801



Brake fluid may deteriorate painted surfaces or plastic parts. Never spill any fluid. If spilled, clean it up immediately.

EUU62500

A WARNING

If brake fluid leakage is found, ask a Yamaha dealer for immediate repairs. Such leakage could indicate a hazardous condition.

EAE20001

Clutch (See page 8-25 for details)

Check the free play in the clutch lever, and make sure the clutch operates properly. If the free play is incorrect, adjust it.

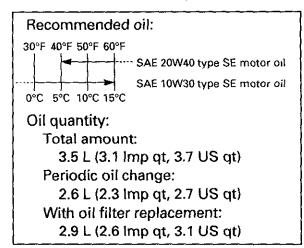
EAE30100

Throttle grip (See page 8-18 for details)

Turn the throttle grip to see if it operates properly, and check the free play. Make sure the grip returns by spring force when released. Ask a Yamaha dealer to make any necessary adjustments. FAF40100

Engine oil (See page 8-7 for details)

Make sure the engine oil is at the specified level. Add oil as necessary.



EUU08000

NOTE:

Recommended engine oil classification: API Service "SE", "SF" type or equivalent (e.g. "SF-SE", "SF-SE-CC", "SF-SE-SD" etc.).

EAE60001

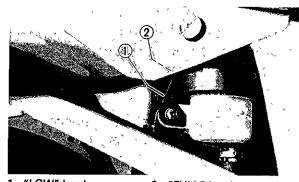
Coolant

Check the coolant level in the reservoir tank when the engine is cold. (The coolant level will vary with engine temperature.) The coolant level is satisfactory if it is between the "FULL" and "LOW" marks on the tank. If the coolant level is at or below the "LOW" level, add tap water (soft water) to bring the level up to "FULL". Change the coolant every two years. (See page 8-11 for details.)

EUU62600

WARNING

Do not remove the radiator cap when the engine is hot.



1. "LOW" level

"FULL" level

EUU30900

CAUTION

Hard water or salt water is harmful to the engine. You may use distilled water if you can't get soft water.

Reservoir tank capacity:

0.55 L (0.48 lmp qt, 0.58 US qt)

From "LOW" to "FULL" level:

0.25 L (0.22 Imp qt, 0.26 US qt)

EAE50001

Chain (See page 8-25 for details)

Check the general condition of the chain and the chain slack before every ride. Lubricate and adjust the chain as necessary.

EAE95502

Tires

To ensure maximum performance, long service, and safe operation, note the following:

Tire air pressure
 Always check and adjust the tire pressure before operating the motorcycle.

EUU67500

A WARNING

Tire inflation pressure should be checked and adjusted when the temperature of the tire equals the ambient air temperature. Tire inflation pressure must be adjusted according to total weight of cargo, rider, passenger, and accessories (fairing, saddlebags, etc. if approved for this model), and vehicle speed.

Basic weight With oil and full fuel tank	206 kg (454 lbs)		
Maximum load*	174 kg (384 lbs)		
Cold tire pressure	Front	Rear	
Up to 90 kg (198 lbs) load*	225 kPa (2 25 kgf/cm², 33 psı)	250 kPa (2 5 kgf/cm², 36 psı)	
90 kg (198 lbs) load ~ Maxımum load*	250 kPa (2.5 kgf/cm², 36 psi)	290 kPa (2 9 kgf/cm², 42 psı)	
High speed riding	250 kPa (2 5 kgf/cm², 36 psı)	290 kPa (2 9 kgf/cm², 42 psi)	

^{*} Load is the total weight of cargo, rider, passenger, and accessories

A WARNING

Proper loading of your motorcycle is important for several characteristics of your motorcycle; such as handling, braking, performance and safety. Do not carry loosely packed items that can shift. Securely pack your heaviest items close to the center of the motorcycle, and distribute the weight evenly from side to side. Properly adjust the suspension for your load, and check the condition and pressure of your tires. NEVER OVERLOAD YOUR MOTORCYCLE. Make sure the total weight of the cargo, rider, passenger, and accessories (fairing, saddlebags, etc. if approved for this model) does not exceed the maximum load of the motorcycle. Operation of an overloaded motorcycle could cause tire damage, an accident, or even injury.

2. Tire inspection

Always check the tires before operating the motorcycle. If a tread depth shows crosswise lines (minimum tread depth), if the tire has a nail or glass fragments in it, or if the side wall is cracked, contact a Yamaha dealer immediately and have him replace the tire.

EUU67900

A WARNING

It is dangerous to ride with a worn-out tire. When a tire tread begins to show lines, have a Yamaha dealer replace the tire immediately. Brakes, tires, and related wheel parts replacement should be left to a Yamaha Service Technician. 1 Tread depth

2 Side wall

Minimum tire tread depth 1 0 mm (0 04 in)

Tire information
 This motorcycle is equipped with tubeless tires, tire valves and cast wheels.

EUU76700

A WARNING

- After extensive tests, the tires mentioned below have been approved by Yamaha Motor Co., Ltd. for this model. No guarantee for handling characteristics can be given if tire combinations other than what is approved are used on this motorcycle. The front and rear tires should be of the same manufacture and design.
- The use of tire valves and valve cores other than listed below could cause tire deflation during extreme high speed riding. Always use genuine parts or their equivalent for replacement.
- Be sure to install the valve caps securely, as these are important to prevent air pressure leakage during extreme high speed riding.

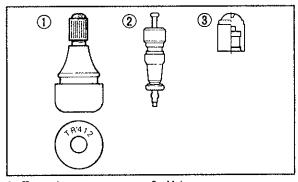
FRONT

Manufacturer	Size	Туре
Dunlop	120/60 ZR17	D202F
Metzeler	120/60 ZR17	MEZ1 'Front'
Bridgestone	120/60 ZR17	BT50F
Michelin	120/60 ZR17	A89X

REAR.

Manufacturer	Size	Type
Dunlop	160/60 ZR17	D202
Metzeler	160/60 ZR17	MEZ1
Bridgestone	160/60 ZR17	BT50R
Michelin	160/60 ZR17	M89X

	Туре
Tire valve	TR412
Valve core	#9000A (Genuine)



1. Tire valve

3 Valve cap with seal

2 Valve core

6-9

A WARNING

This motorcycle is fitted with super highspeed running tires. The following points must be observed in order for you to make fully effective use of these tires.

- Never fail to use the specified tires in tire replacement. Other tires may have a danger of bursting at super high-speeds.
- New tires have a relatively low grip on the road surface until they have been slightly worn. Therefore, approximately 100 km (60 mi) should be traveled at normal speed before any highspeed riding is done.
- 3. Before any high-speed runs, the tires should be warmed-up sufficiently.
- Always inflate to the correct tire pressure according to the operating conditions.

EAE95700

Tubeless tires and cast wheels

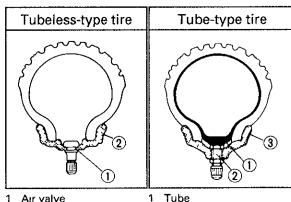
This motorcycle is equipped with cast wheels designed for either tube-type or tubeless tires. Tubeless tires are installed as standard equipment.

EUU68600

A WARNING

Do not attempt to use tubeless tires on a wheel designed for use only with tubetype tires. Tire failure and personal injury may result from sudden deflation.

Tire	Wheel
TUBELESS	SUITABLE FOR TUBELESS TIRES
The tires and whee marked as shown.	els are



- 2. Cast wheel
- (Tubeless wheel)
- 1 Tube
- 2. Air valve
- 3 Cast wheel

Tube-type Wheel

→ Tube-type Tires only

Tubeless Wheel

→ Tube-type or Tubeless tires

EUU68700

A WARNING

When using tube-type tires, be sure to install the proper tube also.

To ensure maximum performance, long service, and safe operation, note the following:

- Always inspect the wheels before a ride. Check for cracks, bends, or warpage of the wheels. If any abnormal condition exists in a wheel, consult a Yamaha dealer.
 - Do not attempt even small repairs to the wheel. If a wheel is deformed or cracked, it must be replaced.
- Tires and wheels should be balanced whenever either one is changed or replaced. Failure to have a wheel balanced can result in poor performance, adverse handling characteristics, and shortened tire life.
- After installing a tire, ride conservatively to allow the tire to seat itself on the rim properly. Failure to allow proper seating may cause tire failure, resulting in damage to the motorcycle and injury to the rider.

EAE85000

Fittings/Fasteners

Always check the tightness of chassis fittings and fasteners before a ride. Use the chart on page 8-6 to find the correct torque.

EAE70000

Lights and signals

Check the headlight, flasher lights, taillight, brake light, meter lights, and all the indicator lights to make sure they are in working condition.

EAE70700

Switches

Check the operation of the headlight switch, turn switch, brake light switch, horn switch, starter switch, main switch, etc.

EAE80000

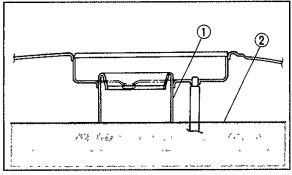
Fuel

Make sure there is sufficient fuel in the tank.

EUU61000

A WARNING

Do not overfill the fuel tank. Avoid spilling fuel on the hot engine. Do not fill the fuel tank above the bottom of the filler tube as shown in the illustration or it may overflow when the fuel heats up later and expands.



1 Filler tube

2 Fuel level

EUU39302



Always wipe off spilled fuel immediately with a dry and clean soft cloth. Fuel may deteriorate painted surfaces or plastic parts.

EAE80900

Recommended fuel:

Regular gasoline

For Australia:

Unleaded fuel only

Fuel tank capacity:

Total:

19.0 L (4.2 lmp gal, 5.0 US gal)

Reserve:

3.5 L (0.8 Imp gal, 0.9 US gal)

EAF00000

OPERATION AND IMPORTANT RIDING POINTS

EUU67200



Before riding this motorcycle, become thoroughly familiar with all operating controls and their functions. Consult a Yamaha dealer regarding any control or function that you do not thoroughly understand.

EUU62800

A WARNING

 Never start your engine or let it run for any length of time in a closed area. The exhaust fumes are poisonous and can cause loss of consciousness and death within a short time. Always operate your motorcycle in an area with adequate ventilation. 2. Before starting out, always be sure the sidestand is up. Failure to retract the sidestand completely can result in a serious accident when you try to turn a corner.

EAF13101

Starting and warming up a cold engine

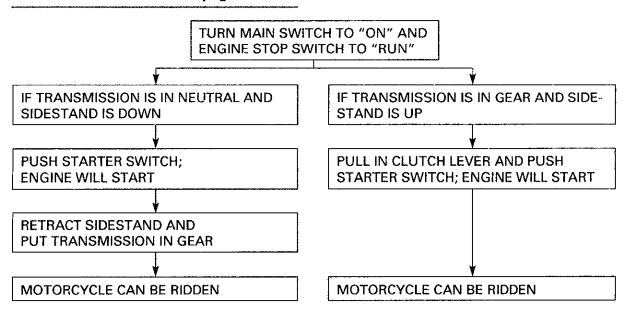
NOTE:____

This motorcycle is equipped with a starting and an ignition circuit cut-off switch.

- 1 The engine can be started only under the following conditions:
- a. The transmission is in neutral.
- The sidestand is up, the transmission is in gear, and the clutch is disengaged.
- 2. The motorcycle must not be ridden when the sidestand is down.

A WARNING

Before going through the following steps, check the function of the sidestand switch and clutch switch. (Refer to page 5-22.)



1. Turn the main switch to "ON" and the engine stop switch to "RUN".

EUU39901

•		٠.	
	THE RESIDENCE OF SHAPE OF SHAP	ĕ	
	CAUTION:	•	
	CANCEL STREET		
	A 41 6 74,222 A 1 1 4 4		

If the fuel level indicator light comes on, check the fuel level. If necessary, add fuel.

2. Shift transmission into neutral.

EUU03000

NOTE:

When the transmission is in neutral, the neutral indicator light (green) should be on. If the light does not come on, ask a Yamaha dealer to inspect it.

- 3. Fully open the starter (CHOKE) and completely close the throttle grip.
- 4. Start the engine by pushing the starter switch.

EUU02500

NOTE:

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

EUU39800

CAUTION:

The oil level indicator light and fuel level indicator light should come on when the starter switch is pushed and should go off when the starter switch is released. If the oil level indicator light flickers or remains on, immediately stop the engine and check the engine oil level and for oil leakage. If necessary, replenish oil and check to see that the oil level indicator light goes off. If not, consult a Yamaha dealer.

5. After starting the engine, turn back the starter (CHOKE) to warming up position (about halfway).

EUU02600

NOTE:

For maximum engine life, always warm up the engine before starting off. Never accelerate hard with a cold engine.

6. After warming up the engine, turn off the starter completely.

EUU02700

NOTE:

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

EAF10800

Starting a warm engine

The starter (CHOKE) is not required when the engine is warm.

EUU31400



See "Break-in section" prior to operating the motorcycle for the first time.

EAF20002

Shifting

The transmission lets you control the amount of power you have available at a given speed for starting, accelerating, climbing hills, etc. The use of the shift pedal is shown in the illustration. (Page 5-10) To shift into NEUTRAL, depress the shift pedal repeatedly until it reaches the end of its travel (you will feel a stop when you are in first gear), then raise the pedal slightly.

CAUTION:

- Do not coast for long periods with the engine off, and do not tow the motorcycle a long distance. Even with gears in neutral, the transmission is only properly lubricated when the engine is running. Inadequate lubrication may damage the transmission.
- Always use the clutch when changing gears. The engine, transmission, and driveline are not designed to withstand the shock of forced shifting and can be damaged by shifting without using the clutch.

EAF30000

Engine break-in

There is never a more important period in the life of your motorcycle than the period between zero and 1,000 km (600 mi). For this reason we ask that you carefully read the following material. Because the engine is brand new, you must not put an excessive load on it for the first 1,000 km (600 mi). 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 which might result in excessive heating of the engine, must be avoided.

EAF30700

- 1. 0 ~ 150 km (0 ~ 90 mı):
 - Avoid operation above 5,000 r/min. Stop the engine and let it cool for 5 to 10 minutes after every hour of operation. Vary the speed of the motorcycle from time to time. Do not operate it at one set throttle position.
- 150 ~ 500 km (90 ~ 300 mi):
 Avoid prolonged operation above 6,500 r/min. Rev the motorcycle freely through the gears, but do not use full throttle at any time.

500 ~ 1,000 km (300 ~ 600 mi):
 Avoid prolonged full throttle operation. Avoid cruising speeds in excess of 7,000 r/min.

EUU32000

CAUTION:

After 1,000 km (600 mi) of operation, be sure to replace the engine oil and oil filter element.

4. 1,000 km (600 mi) and beyond: Full throttle can be used.

EUU38700

CAUTION: 11

Never let engine speeds enter the red zone.

EUU32200

CAUTION:

If any engine trouble should occur during the break-in period, consult a Yamaha dealer immediately. EAF40000

Parking

When parking the motorcycle, stop the engine and remove the ignition key.

EUU63000

A WARNING

The muffler and exhaust pipe are hot. Park the motorcycle in a place where pedestrians or children are not likely to touch the motorcycle. Do not park the motorcycle on a slope or soft ground; the motorcycle may overturn.

EUU63200

PERIODIC MAINTENANCE AND MINOR REPAIR

EAH00400

Periodic inspection, adjustment and lubrication will keep your motorcycle in the safest and most efficient condition possible. Safety is an obligation of the motorcycle owner. The maintenance and lubrication schedule chart should be considered strictly as a guide to general maintenance and Jubrication intervals, YOU MUST TAKE INTO CONSIDERATION THAT WEATHER, TERRAIN, GEOGRAPHICAL LOCATIONS, AND A VARIETY OF INDIVIDUAL USES ALL TEND TO DEMAND THAT EACH OWNER ALTER THIS TIME SCHEDULE TO SHORTER INTERVALS TO MATCH THE ENVIRONMENT. The most important points of motorcycle inspection, adjustment, and lubrication are explained in the following pages.

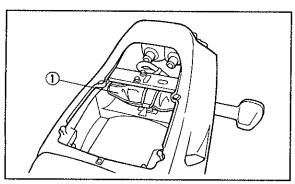
A WARNING

If you are not familiar with motorcycle service, this work should be done by a Yamaha dealer.

EAH10101

Tool kit

The service information included in this manual is intended to provide you, the owner, with the necessary information for completing some of your own preventive maintenance and minor repairs. The tools provided in the owner's tool kit are to assist you in the performance of periodic maintenance. However, some other tools such as a torque wrench are also necessary to perform the maintenance correctly.



1. Tool kit

EUU18500 NOTE:....

If you do not have necessary tools required during a service operation, take your motorcycle to a Yamaha dealer for service.

EUU67100

A WARNING

Modifications to this motorcycle not approved by Yamaha may cause loss of performance, and render it unsafe for use. Consult a Yamaha dealer before attempting any changes.

PERIODIC MAINTENANCE / LUBRICATION

Unit km (miles)

			EVERY	
Item	Remarks	Break-in 1,000 (600)	6,000 (4,000) or 6 months	12,000 (8,000) or 12 months
Valve(s)*	Check valve clearance Adjust if necessary	EVER	RY 42,000 (26	(000)
Spark plug(s)	Check condition. Clean or replace if necessary	0	0	0
Air filter	Clean Replace if necessary		0	0
Carburetor*	Check idle speed/synchronization/starter operation Adjust if necessary	0	0	0
Fuel line*	Check fuel hose for cracks or damage Replace if necessary		0	0
Fuel filter*	Check condition Replace if necessary			0
Engine oil	Replace (Warm engine before draining)	0	0	0
Engine oil filter*	Replace	0		0
Brake*	Check operation/fluid leakage/See NOTE Correct if necessary		0	0
Clutch	Check operation Adjust if necessary		0	0
Rear arm pivot*	Check rear arm assembly for looseness Correct if necessary Moderately repack every 24,000 (16,000) or 24 months ***			0
Rear suspension link pivots*	Check operation Apply grease lightly every 24,000 (16,000) or 24 months ***			0
Wheels*	Check balance/damage/runout Repair if necessary		0	0
Wheel bearings*	Check bearing assembly for looseness/damage Replace if damaged		0	0

Unit km (miles)

l			EVERY	
Item	Remarks	Break-in 1,000 (600)	6,000 (4,000) or 6 months	12,000 (8,000) or 12 months
Steering bearing*	Check bearing assembly for looseness. Correct if necessary Moderately repack every 24,000 (16,000) or 24 months.**	0		0
Front forks*	Check operation/oil leakage Repair if necessary		0	0
Rear shock absorber*	Check operation/oil leakage Repair if necessary.	-	0	0
Cooling system	Check coolant leakage. Repair if necessary Replace coolant every 24,000 (16,000) or 24 months		0	0
Drive chain	Check chain slack/alignment Adjust if necessary Clean and lube	EVERY 500 (300)		0)
Fittings/Fasteners*	Check all chassis fittings and fasteners Correct if necessary	0	0	0
Sidestand*	Check operation. Repair if necessary	0	0	0
Sidestand switch*	Check operation Clean or replace if necessary	0	Ö	0

^{*} It is recommended that these items be serviced by a Yamaha dealer

^{**} Medium weight wheel bearing grease

^{*** .} Molybdenum disulfide grease

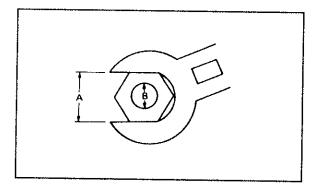
NOTE:

Brake fluid replacement:

- 1. When disassembling the master cylinder or caliper cylinder replace the brake fluid. Normally check the brake fluid level and add the fluid as required.
- 2. On the inner parts of the master cylinder and caliper cylinder, replace the oil seals every two years.
- 3. Replace the brake hoses every four years, or if cracked or damaged.

Torque specifications

Use a torque wrench to tighten these items. It is recommended that these items be checked occasionally, especially before a long trip. Always check the tightness of these items whenever they are loosened for any reason.



A	В	General torque specifications		
(Nut)	(Bolt)	Nm	m∙kg	ft·ib
10 mm	6 mm	6	0.6	4.3
12 mm	8 mm	15	15	11
14 mm	10 mm	30	3.0	22
17 mm	12 mm	55	5.5	40
19 mm	14 mm	85	8.5	61
22 mm	16 mm	130	13.0	94

İtem		Torque			
	Nm	m-kg	ft lb		
Spark plug	12 5	1 25	90		
Engine drain plug	43	4.3	31		
Oil filter	17	1.7	12		
Coolant drain bolt	7	07	5 1		
Front caliper bolt	35	35	25		
Front axle pinch bolt	40	4.0	29		
Front axle	58	5.8	42		
Rear wheel axle nut	107	107	77		
Seat grip bolt	7	07	5 1		

EAH46500

Engine oil

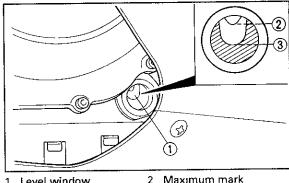
- 1 Oil level measurement
- a. Place the motorcycle on a level place and hold it in an upright position. Warm up the engine for several minutes.

EUU03901

NOTE:_

Be sure the motorcycle is positioned straight up when checking the oil level. A slight tilt toward the side can result in false readings.

b. With the engine stopped, check the oil level through the level window located at the lower part of the right side crankcase cover.



- Level window
 - Minimum mark

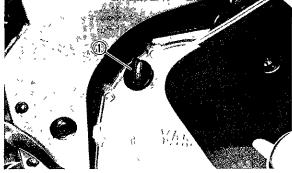
EUU04000

NOTE:

Wait a few minutes until the oil level settles before checking.

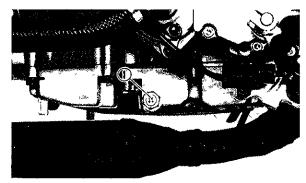
- c. The oil level should be between maximum and minimum marks. If the level is low, add oil to raise it to the proper level.
- 2. Engine oil and oil filter replacement
- a. Remove the lower cowl

- b. Warm-up the engine for a few minutes.
- Stop the engine. Place an oil pan under the engine, and remove the oil filler cap.

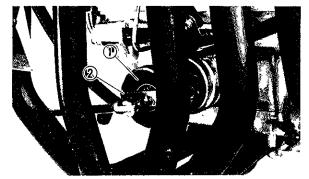


1 Oil filler cap

d. Remove the drain plug and drain the oil.



- 1. Engine oil drain plug
 - e. Remove the oil filter by using an oil filter wrench.



1 Oil filter

2 Oil filter wrench

NOTE:

An oil filter wrench is available at a nearby Yamaha dealer.

f. Reinstall the drain plug (make sure it is tight).

Drain plug torque:

43 Nm (4.3 m·kg, 31 ft·lb)

g. Apply a light coat of engine oil to the O-ring of new oil filter.



1 O-ring

EUU04101

NOTE:_

Make sure the O-ring is seated properly.

h. Install the new oil filter, and tighten it by using an oil filter wrench.

EUU13601

NOTE:

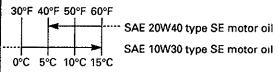
When installing the oil filter, tighten it to the proper torque by using a torque wrench.

Oil filter torque:

17 Nm (1.7 m·kg, 12 ft·lb)

 Fill engine with oil. Install the oil filler cap and tighten.

Recommended oil:



Oil quantity:

Total amount:

3.5 L (3.1 lmp qt, 3.7 US qt)

Periodic oil change:

2.6 L (2.3 Imp qt, 2.7 US qt)

With oil filter replacement:

2.9 L (2.6 lmp qt, 3.1 US qt)

EUU08000

NOTE:

Recommended engine oil classification: API Service "SE", "SF" type or equivalent (e.g. "SF-SE", "SF-SE-CC", "SF-SE-SD" etc.).

EUU32301



Do not put in any chemical additives. Engine oil also lubricates the clutch and additives could cause clutch slippage.

EUU32400



Be sure no foreign material enters the crankcase.

- j. Start the engine and warm up for a few minutes. While warming up, check for oil leakage. If oil leakage is found, stop the engine immediately, and check for the cause.
- k. After the engine is started, the oil indicator light should go off if oil is filled to proper level.

CAUTION:

If the indicator light flickers or remains on, immediately stop the engine and consult a Yamaha dealer.

install the lower cowl.

EAH53700

Cooling system

1. If your motorcycle overheats.

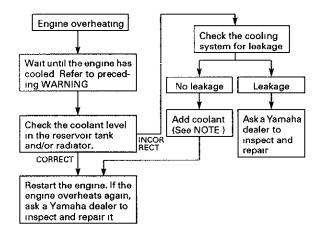
EUU71300

A WARNING

Do not remove the radiator cap when the engine and radiator are hot. Scalding hot fluid and steam may be blown out under pressure, which could cause serious injury. When the engine has cooled, open the radiator cap by the following procedure. Place a thick rag, like a towel, over the radiator cap, slowly rotate the cap counterclockwise to the detent. This procedure allows any residual pressure to escape.

When the hissing sound has stopped, press down on the cap while turning counterclockwise and remove it.

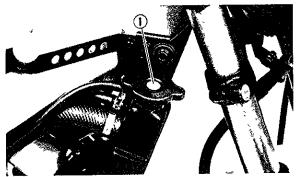
If overheating is detected, perform the following checks.



NOTE:

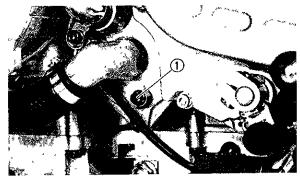
If it is difficult to get the recommended coolant, tap water can be temporarily used, provided that it is changed to the recommended coolant as soon as possible.

- 2. Changing the coolant.
- a. Remove the seat, lower cowl and side cowl.
- b. Place a container under the engine.
- c. Remove the radiator cap.



1 Radiator cap

d. Remove the drain bolts.

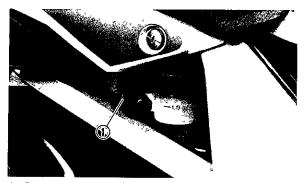


1 Drain bolt



1. Drain bolts

e. Disconnect the reservoir tank pipe on the reservoir tank side, and drain the reservoir tank of its coolant.



- Reservoir tank pipe
 - f. Drain the coolant completely, and thoroughly flush the cooling system with clean tap water.
- g. Retighten the drain bolts. If the gasket is damaged, replace it.

Tightening torque:

Drain bolt:

7 Nm (0.7 m·kg, 5.1 ft·lb)

- h. Reinstall the reservoir tank pipe.
- i. Pour the recommended coolant into the radiator until the radiator is full.

Recommended coolant:

High quality ethylene glycol anti-freeze containing corrosion inhibitors for aluminum engines.

Coolant and water mix ratio:

50%/50%

Total amount:

2.95 L (2.6 lmp qt, 3.1 US qt)

Reservoir tank capacity:

(From LOW to FULL level)

0.25 L (0.22 Imp qt, 0.26 US qt)

EUU30900

CAUTION

Hard water or salt water is harmful to the engine. You may use distilled water if you can't get soft water.

J. Reinstall the radiator cap.

- k. Run the engine several minutes and recheck the coolant level in the radiator. If it is low, add more coolant until it reaches the top of the radiator.
- I. Fill the reservoir tank with coolant up to "FULL" level.



1. Reservoir tank cap

m. Reinstall the reservoir tank cap and check for coolant leakage.

EUU04400

NOTE:

If you find any leaks, ask a Yamaha dealer to inspect.

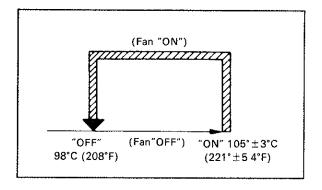
 Reinstall the side cowls, lower cowl and seat.

EAH70000

Electric fan

Operation

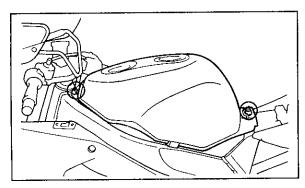
The electric fan operation is completely automatic. It will be switched "ON" or "OFF" according to the coolant temperature in the radiator.



Air filter

The element should be cleaned at the specified intervals. It should be cleaned more frequently if you are riding in unusually wet or dusty areas.

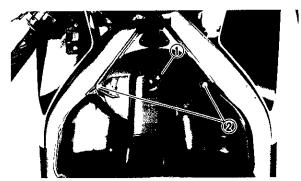
- 1. Remove the seat.
- 2. Remove the bolt(s) holding the fuel tank.



Lift the fuel tank upward and position it away from the air cleaner case. (Do not remove the fuel hoses.) EUU80300

A WARNING

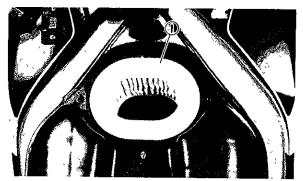
- Support the fuel tank carefully during this procedure.
- Do not tilt the fuel tank too much or pull it too hard because the fuel hose connections may become loose causing fuel leakage.
- Remove the screws holding the filter case cover.



1 Air filter case cover

2 Holding screws

5. Pull out the air filter.



1 Air filter

 Tap the air filter lightly to remove most of the dust and dirt. Blow out the remaining dirt with compressed air from the outer surface of the air filter. If the air filter is damaged, replace it.



7. Reinstall by reversing the removal procedure.

EUU35701

CAUTION:

Make sure the element is properly seated in the filter case.

WARNING

- Before reinstallation, make sure that the fuel hoses are not damaged at all.
 If any damage is found, it may result in a fuel leak, so do not start the engine. Ask a Yamaha dealer for repairs.
- Always make sure that the fuel hoses are properly connected, in place, and not pinched.

EUU42400

CAUTION:

The engine should never be run without the air filter element installed; excessive piston and/or cylinder wear may result. EAH90001

Carburetor adjustment

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

EUU33001

CAUTION:

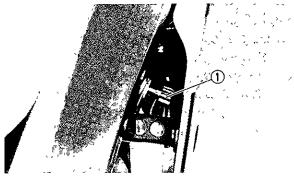
The carburetor was set at the Yamaha factory after many tests. If the settings are changed, poor engine performance and damage may result.

EAH90100

Idle speed adjustment

1. Start the engine and warm it up for a few minutes (normally, 1 or 2 minutes) at approximately 1,000 to 2,000 r/min. Occasionally rev the engine to 4,000 to 5,000 r/min. The engine is warm when it quickly responds to the throttle.

Set the idle to the specified engine speed by adjusting the throttle stop screw; turn the screw in to increase engine speed, and out to decrease engine speed.



1 Throttle stop screw

Standard idle speed: 1,250 ~ 1,350 r/min

	104500

NOTE:

If the specified idle speed cannot be obtained by performing the above adjustment, consult a Yamaha dealer.

EAH92200

Throttle cable adjustment

EUU06400

NOTE:_

Before adjusting the throttle cable free play, the engine idling speed should be adjusted.

The throttle cable should have a specified free play in the turning direction at the grip flange. If the free play is incorrect, ask a Yamaha dealer to make adjustment.

Free play:

3 ~ 5 mm (0.12 ~ 0.28 in)

EAH90800

a Free play

Valve clearance adjustment

The valve clearance becomes larger with use, resulting in improper fuel/air supply and engine noise. To prevent this, the valve clearance must be adjusted regularly. This adjustment, however, should be left to a professional Yamaha service technician.

EAH20101

Spark plug inspection

The spark plug is an important engine component and is easy to inspect. The condition of the spark plug can indicate the condition of the engine.

Normally, all spark plugs from the same engine should have the same color on the white porcelain insulator around the center electrode. The ideal color at this point is a medium to light tan color for a motorcycle that is being ridden normally. If one spark plug shows a distinctly different color, there could be something wrong with the engine.

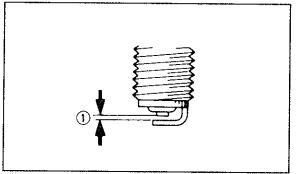
Do not attempt to diagnose such problems yourself. Instead, take the motorcycle to a Yamaha dealer. You should periodically remove and inspect the spark plugs because heat and deposits will cause any spark plug to slowly break down and erode. If electrode erosion becomes exces-

sive, or if carbon and other deposits are excessive, you should replace the spark plug with the specified plug.

Standard spark plug: CR9E (NGK) U27ESR-N (NIPPONDENSO)

Before installing any spark plug, measure the electrode gap with a wire thickness gauge; adjust the gap to specification.

Spark plug gap: 0.7 ~ 0.8 mm (0.028 ~ 0.031 in)



When installing the plug, always clean the gasket surface and use a new gasket Wipe off any grime from the threads, and torque the spark plug properly.

Spark plug torque: 12.5 Nm (1.25 m-kg, 9.0 ft-lb)

EUU03801

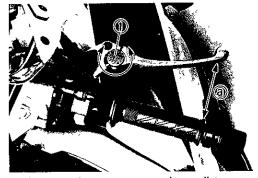
NOTE:

If a torque wrench is not available when you are installing a spark plug, a good estimate of the correct torque is 1/4 to 1/2 turn past finger tight. Have the spark plug torqued to the correct value as soon as possible with a torque wrench.

EAH87201

Front brake lever position adjustment

Brake lever distance from the throttle grip can be adjusted. To adjust, turn the adjuster while pushing the front brake lever forward.



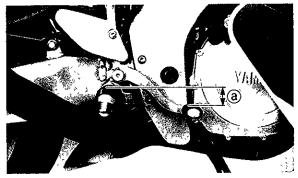
Position adjuster

Lever distance

EAH80401

Rear brake adjustment

The top of the brake pedal should be positioned 42 mm (1.7 in) below the top of the footrest. If not, ask a Yamaha dealer to adjust it.



a 42 mm (17 in)

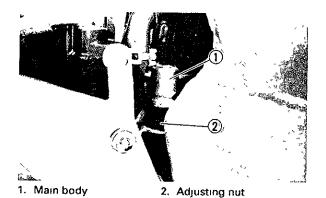
A WARNING

A soft or spongy feeling in the brake pedal can indicate the presence of air in the brake system. This air must be removed by bleeding the brake system before the motorcycle is operated. Air in the system will cause greatly diminished braking capability and can result in loss of control and an accident. Have a Yamaha dealer inspect and bleed the system if necessary.

EAH83301

Brake light switch adjustment

The brake light switch is operated by movement of the brake pedal. To adjust, hold the main body of the switch so it does not rotate and turn the adjusting nut. Proper adjustment is achieved when the brake light comes on just before the brake begins to take effect.

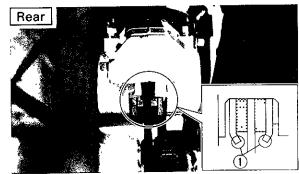


EAH83601

Checking the front and rear brake pads

A wear indicator is provided on each brake. This indicator allows checking of brake pad wear without disassembling the brake. Apply the brake and inspect the wear indicator. If the indicator is ALMOST in contact with the disc plate, ask a Yamaha dealer to replace the pads.

Wear indicator



1 Wear indicator

EAH88901

Inspecting the brake fluid level

Insufficient brake fluid may let air enter the brake system, possibly causing the brakes to become ineffective.

Before riding, check the brake fluid level and replenish when necessary. Observe these precautions:

- When checking the fluid level, make sure the top of the master cylinder is level by turning the handlebars.
- Use only the designated quality brake fluid: otherwise, the rubber seals may deteriorate, causing leakage and poor brake 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 brake performance.

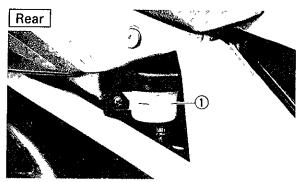
- Be careful that water does not enter the master cylinder when refilling. Water will significantly lower the boiling point of the fluid and may result in vapor lock.
- 5. Brake fluid may deteriorate painted surfaces or plastic parts. Always clean up spilled fluid immediately.
- Have a Yamaha dealer check the cause if the brake fluid level goes down.

Front



1. Upper level

Lower level



Lower level

EAH83501

Brake fluid replacement

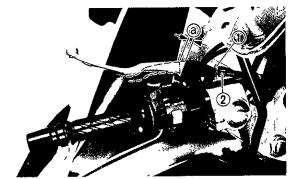
- Complete fluid replacement should be done only by trained Yamaha service personnel.
- Have a Yamaha dealer replace the following components during periodic maintenance or when they are damaged or leaking.
- a. Replace all rubber seals every two years.
- Replace all hoses every four years.

Clutch adjustment

The clutch lever free play should be adjusted to 2 ~ 3 mm (0.08 ~ 0.12 in) at the clutch lever If the free play is incorrect, adjust as follows.

Free play:

2 ~ 3 mm (0.08 ~ 0.12 in)



- 1 Lock nut
- 2 Adjuster
- a Free play
- 1. Loosen the lock nut.
- 2. Turn the adjuster in or out until proper lever free play is obtained.
- 3. Tighten the lock nut.

EUU17800

NOTE:...

If proper adjustment cannot be obtained or the clutch does not work correctly, ask a Yamaha dealer to inspect the internal clutch mechanism.

EAI40801

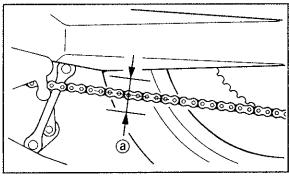
Drive chain slack check

EUU04801

NOTE:_

Spin the wheel several times and find the tightest position of the chain. Check and/or adjust the chain slack while it's in this tightest position.

To check the chain slack the motorcycle must be held straight up with both wheels on the ground and without rider. Check the slack at the position shown in the illustration. Normal slack is approximately $20 \sim 30$ mm (0.8 \sim 1.2 in). If the slack exceeds 30 mm (1.2 in), adjust.



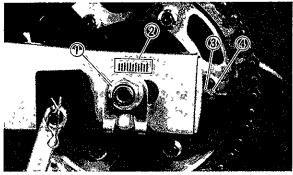
a. 20~30 mm (0 8~1 2 in)

Drive chain slack adjustment

- 1. Loosen the axle nut.
- Loosen the lock nuts on each side. To tighten the chain, turn the chain adjuster clockwise. To loosen the chain, turn the adjuster counterclockwise and push the wheel forward. Turn each adjuster exactly the same amount to maintain correct axle alignment. There are marks on each side of the swingarm. Use these marks to align the rear wheel.

CAUTION:

Too little chain slack will overload the engine and other vital parts. Keep the slack within the specified limits.



Axle nut
 Adjuster

- 2. Marks for alignment
- 4 Lock nut
- 3. After adjusting, be sure to tighten the lock nuts and the axle nut.

Axle nut torque:

107 Nm (10.7 m·kg, 77 ft·lb)

Drive chain lubrication

The chain consists of many parts which work with each other. If the chain is not maintained properly, it will wear out quickly, Therefore, the chain must be serviced regularly. This service is especially necessary when riding in dusty areas. This motorcycle is equipped with a sealed type chain. Steam cleaning, high-pressure washes, and solvents can damage chain so do not use these for cleaning it. Use only kerosene to clean the drive chain Wipe it dry, and thoroughly lubricate it with SAE 30 ~ 50W motor oil. Do not use any other lubricants on the drive chain. They may contain solvents that could damage the sealed chain

EAI10701

Cable inspection and lubrication

EUU64601

A WARNING

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

Lubricate the inner cable and the cable end. If it does not operate smoothly, ask a Yamaha dealer to replace them.

Recommended lubricant: SAE 10W30 motor oil

Throttle cable and grip lubrication

The throttle twist grip assembly should be greased at the time that the cable is lubricated, since the grip must be removed to get at the end of the throttle cable. After removing the screws, hold the end of the cable up in the air and put in several drops of lubricant. With the throttle grip disassembled, coat the metal surface of the grip assembly with a suitable all-purpose grease.

EAI30601

Brake and shift pedals

Lubricate the pivoting parts.

Recommended lubricant: SAE 10W30 motor oil

EAI30700

Brake and clutch levers

Lubricate the pivoting parts.

Recommended lubricant: SAE 10W30 motor oil EAI31101

Sidestand

Lubricate the pivoting parts. Check to see that the sidestand moves up and down smoothly.

Recommended lubricant: SAE 10W30 motor oil

EUU70401

A WARNING

If the sidestand does not move smoothly, consult a Yamaha dealer.

EAI31900

Rear suspension

Lubricate the pivoting parts.

Recommended lubricant:
Molybdenum disulfide grease

FAI20501

Front fork inspection

EUU65700

A WARNING

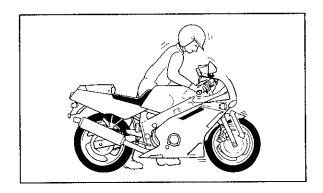
Securely support the motorcycle so there is no danger of it falling over.

- Visual check
 Check for scratches/damage on the inner tube and excessive oil leakage from the front fork.
- Operation check Place the motorcycle on a level place.
- a. Hold the motorcycle in an upright position and apply the front brake.
- b. Stroke the front forks up and down several times.

EUU42500

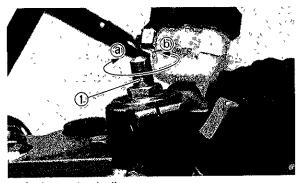
CAUTION:

If any damage or unsmooth movement is found with the front fork, consult a Yamaha dealer.



Front fork adjustment

This front fork is equipped with a spring preload adjuster.



- Spring preload adjuster
- a. Increase

b Decrease

EUU66901

A WARNING

Always adjust each fork leg to the same setting. Uneven adjustment can cause poor handling and loss of stability.

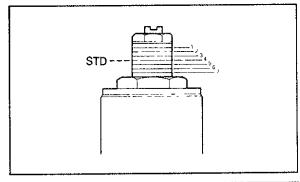
Adjust spring preload as follows.

Turn adjuster in direction (A) to increase spring preload and in direction (B) to decrease spring preload.

EUU43001

CAUTION:

The grooves are provided to show the adjustment level. Always keep the adjustment level equal on both fork legs.



	HARD		STD.	SOFT			
Adjusting position	1	2	3	4	5	6	7

Rear shock absorber

EUU67301

A WARNING

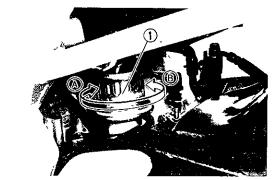
This shock absorber contains highly pressurized nitrogen gas. Read and understand the following information before handling the shock absorber. The manufacturer cannot be held responsible for property damage or personal injury that may result from improper handling.

- 1. Do not tamper with or attempt to open the cylinder assembly.
- Do not subject the shock absorber to an open flame or other high heat source. This may cause the unit to explode due to excessive gas pressure.
- 3. Do not deform or damage the cylinder in any way. Cylinder damage will result in poor damping performance.
- 4. Take your shock absorber to a Yamaha dealer for any service.

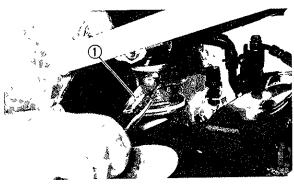
EAI59700

Rear shock absorber adjustment

This shock absorber is equipped with a spring preload and damping force adjuster.



- Spring preload adjuster
 Increase spring preload
- B Decrease spring preload



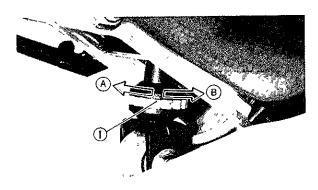
1 Special wrench

EUU05200

NOTE:____

When adjusting, use the special wrench which is included in the owner's tool kit.

		НА	RD		STD	SC	FT
Adjusting position	7	6	5	4	3	2	1



- 1. Damping adjuster
- A Decrease
- B Increase

MAX	0 clicks out*
STD	10 clicks out*
MIN	20 clicks out*

From fully turned in position.

EUU17600

NOTE:____

Make sure adjusting position is aligned with arrow mark.

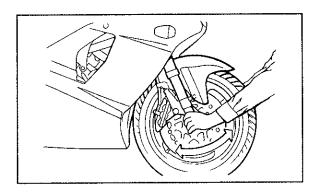
Recommended combinations of the front fork and the rear shock absorber settings. Use this table as a guide for specific settings according to motorcycle load conditions.

	Front fork	Rear shock	absorber		Lo	ading condition	
	Spring preload adjuster	Spring preload adjuster	Damping adjuster	Solo rider	With passenger	With accessory equipment	With accessory equipment and passenger
1	4 ~ 7	1 ~ 4	7 ~ 20 clicks out	0			
2	2 ~ 5	3~6	5 ~ 10 clicks out		0	0	
3	1 ~ 4	4 ~ 7	0 ~ 7 clicks out			·	0

EUU36300	
CAUTIO	N:
Never atter	npt to turn the adjuster beyond
the maximi	um or minimum setting.

Steering inspection

Periodically inspect the condition of the steering. Worn out or loose steering bearings may be dangerous. Place a stand under the engine to raise the front wheel off the ground. Hold the lower end of the front forks and try to move them forward and backward. If any free play can be felt, ask a Yamaha dealer to inspect and adjust the steering. Inspection is easier if the front wheel is removed.



EUU65700

A WARNING

Securely support the motorcycle so there is no danger of it falling over.

EAI60201

Wheel bearings

If there is play in the front or rear wheel hub or if the wheel does not turn smoothly, have a Yamaha dealer inspect the wheel bearings. The wheel bearings should be inspected according to the Maintenance Schedule.

EAI84901

Battery

This motorcycle is equipped with a "Sealed type" battery. Therefore, it is not necessary to check the electrolyte or add distilled water in the battery.

If the battery seems to have discharged, consult a Yamaha dealer.

CAUTION:

Do not try to remove the sealing caps of the battery cells. You may damage the battery.

EUU65800

A WARNING

Battery electrolyte is poisonous and dangerous, causing severe burns, etc. It contains sulfuric acid. Avoid contact with skin, eyes or clothing.

Antidote:

EXTERNAL: Flush with water.

INTERNAL: Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg, or vegetable oil. Call a physician immediately.

EYES: Flush with water for 15 minutes and get prompt medical attention. Batteries produce explosive gases. Keep sparks, flame, cigarettes etc., away. Ventilate when charging or using in an enclosed

space. Always shield your eyes when working near batteries.

KEEP OUT OF REACH OF CHILDREN.

EAI85000

Battery maintenance

 When the motorcycle is not used for a month or longer, remove the battery and store it in a cool, dark place. Completely recharge the battery before reinstallation.

EUU43500

CAUTION:

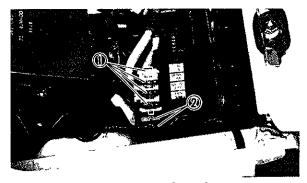
A special battery charger (constant voltage/ampere or constant voltage) is required for recharging the sealed type battery. Using a conventional battery charger may shorten the battery life.

 Always make sure the connections are correct when reinstalling the battery. The red (positive) lead is for the + terminal and the black (negative) lead is for the - terminal. Always connect the red (positive) lead first, then connect the black (negative) lead.

EAI90302

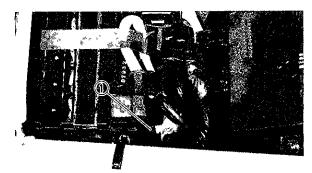
Fuse replacement

- The fuse box(es) are located under the seat.
- If any fuse is blown, turn off the ignition switch and the switch of the circuit in question. Install a new fuse of proper amperage. Turn on the switches and see if the electrical device operates. If the fuse immediately blows again, consult a Yamaha dealer.



1. Fuse

2. Spare fuse



1 Main fuse

CAUTION:

Do not use fuses of higher amperage rating than those recommended. Substitution of a fuse of improper rating can cause extensive electrical system damage and possibly a fire.

Specified fuse:

Main:

30A

Head:

20A

Signal: Fan: 15A 7.5A

Ignition:

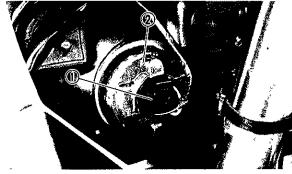
7.5A

EAI87700

Headlight bulb replacement

If the headlight bulb burns out, replace the bulb as follows:

1. Remove the cover and disconnect the headlight lead(s).



1 Leads

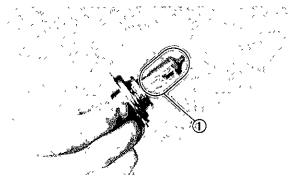
- 2 Cover
- 2. Remove the bulb holder.



- 1 Holding spring
- 3. Remove the defective bulb.

A WARNING

Keep flammable products and your hands away from the bulb while it is on, as it is hot. Do not touch the bulb until it cools down.



- 1. Don't touch
- 4. Put a new bulb into position and secure it in place with the bulb holder.

EUU34100



Avoid touching the glass part of the bulb. Keep it free from oil; otherwise, the transparency of the glass, life of the bulb, and illuminous flux will be adversely affected. If oil gets on the bulb, thoroughly clean it with a cloth moistened with alcohol or lacquer thinner.

- Connect the headlight lead(s) and install the cover.
- If the headlight beam adjustment is necessary, ask a Yamaha dealer to make adjustment.

EAJ80700

Front wheel removal

EUU66201

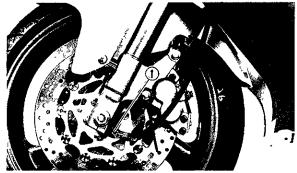
A WARNING

It is advisable to have a Yamaha dealer service the wheel.

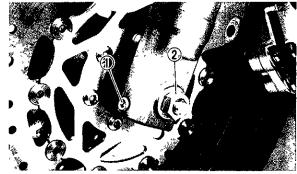
WARNING

Securely support the motorcycle so there is no danger of it falling over.

- 1. Remove the lower cowl.
- 2. Remove the speedometer cable from the front wheel side.



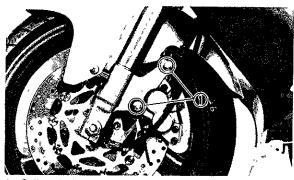
- 1 Speedometer Cable
- 3. Loosen the pinch bolt, axle nut and caliper bolts.



1 Pinch bolt

2 Axle nut

- 4. Elevate the front wheel by placing a suitable stand under the engine.
- 5. Remove the calipers.



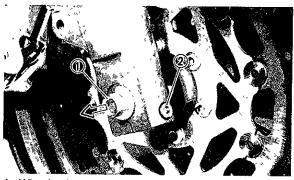
1 Caliper bolts

EUU 17700

NOTE:_

Do not depress the brake lever when the caliper is off the disc as the brake pads will be forced shut.

6. Remove the axle nut and wheel axle.



1 Wheel axle

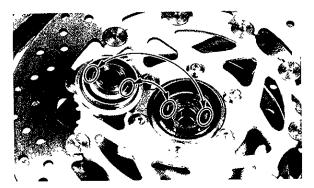
2 Pinch bolt

Make sure the motorcycle is properly supported.

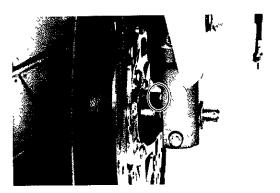
Front wheel installation

When installing the front wheel, reverse the removal procedure. Pay attention to the following points:

 Make sure the wheel hub and the speedometer gear unit are installed with the projections meshed into the slots.



Make sure there is enough gap between the brake pads before installing the caliper(s) onto the brake disc(s). 3. Make sure the slot in the speedometer gear unit fits over the stopper on the front fork outer tube.



4. Make sure the following parts are properly torqued.

Tightening torque:

Axle nut

58 Nm(5.8 m·kg, 42 ft·lb)

Caliper bolt

35 Nm(3.5 m·kg, 25 ft·lb)

- 5. Before tightening the pinch bolt, stroke the front fork several times to check for proper fork operation.
- 6. Tighten the pinch bolt.

Pinch bolt torque: 40 Nm (4.0 m·kg, 29 ft·lb)

EAJ80900

Rear wheel removal

EUU66201

A WARNING

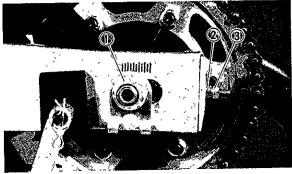
It is advisable to have a Yamaha dealer service the wheel.

EUU65700

A WARNING

Securely support the motorcycle so there is no danger of it falling over.

- 1. Elevate the rear wheel by placing a suitable stand under the rear arm.
- 2. Remove the axle nut.
- Loosen the lock nuts and chain adjusters on each side.



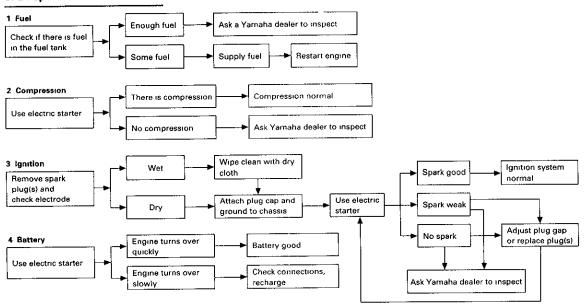
- 1. Axle nut
- 2. Adjuster
- 3 Lock nut
- 4. While supporting the brake caliper, pull out the wheel axle.
- 5. Push the wheel forward and remove the drive chain.

Troubleshooting chart

EUU66300

WARNING

Never check the fuel system while smoking or in the vicinity of an open flame.



CLEANING AND STORAGE

FAK01302

A. CLEANING

Frequent, thorough cleaning of your motorcycle will not only enhance its appearance but will improve its general performance and extend the useful life of many components.

- 1. Before cleaning the motorcycle:
- a. Block off the end of the exhaust pipe to prevent water entry; a plastic bag and strong rubber band may be used.
- b. Make sure the spark plug(s) and all filler er caps are properly installed.
- 2. If the engine case is excessively greasy, apply degreaser with a paint brush. Do not apply degreaser to the chain, sprockets, or wheel axles.
- 3. Rinse the dirt and degreaser off with a garden hose. Use only enough pressure to do the job.



Excessive hose pressure may cause water seepage and deterioration of wheel bearings, front fork, brakes transmission seals and electrical parts.

Many expensive repair bills have resulted from improper high pressure detergent applications such as those available in coin-operated car washers.

- 4. Once the majority of the dirt has been hosed off, wash all surfaces with warm water and mild, detergent-type soap. An old toothbrush or bottle brush is handy for hard-to-get-at places.
- Rinse the motorcycle off immediately with clean water and dry all surfaces with a chamois, clean towel, or soft absorbent cloth.
- 6. Dry the chain and lubricate it to prevent rust.

SPECIFICATIONS

Model	YZF600RG
Dimensions:	
Overall length	2,060 mm (81.1 in)
Overall width	725 mm (28.5 in)
Overall height	1,180 mm (46.5 in)
Seat height	795 mm (31.3 in)
Wheelbase	1,415 mm (55.7 in)
Minimum ground clearance	135 mm (5.31 in)
Minimum turning radius	3,200 mm (126.0 in)
Basic weight:	
With oil and full fuel tank	206 kg (454 lb)
Engine [,]	
Engine type	Liquid-cooled 4-stroke, DOHC
Model	4ND1
Cylinder arrangement	Forward-inclined parallel 4-cylinder
Displacement	599 cm ³
Bore × stroke	62 0 × 49.6 mm (2 44 × 1 95 in)
Compression ratio	12:1
Starting system	Electric starter
Lubrication system:	Wet sump

Model	YZF600RG
Oil type or grade: Engine oil	
30 40 50 60°F 0 5 10 15°C	SAE20W40 type SE motor oil (If temperature does not go below 5°C/40°F) SAE10W30 type SE motor oil (If temperature does not go above 15°C/60°F)
Oil capacity:	
Engine oil	2748
Periodic oil change	2.6 L (2.3 Imp qt, 2.7 US qt)
With oil filter replacement	2.9 L (2.6 Imp qt, 3.1 US qt)
Total amount	3.5 L (3.1 Imp qt, 3.7 US qt)
Radiator capacity (including all routes):	1.95 L (1.7 Imp qt, 2.1 US qt)
Air filter:	Dry type element
Fuel:	
Туре	Regular gasoline
••	For Australia: Unleaded fuel only
Fuel tank capacity	19 L (4.18 lmp gal, 5.02 US gal)
Fuel reserve amount	3.5 L (0.77 Imp gal, 0.92 US gal)
Carburetor	
Type / quantity	CVKD34/4
Manufacturer	KEIHIN

Mode	l	YZF600RG	
Spark plug			
Туре		CR9E/U27ESR-N	
Manufacturer		NGK/NIPPONDENSO	
Spark plug gap		0 7 ~ 0.8 mm (0 028 ~ 0.031 in)	
Clutch type		Wet, multiple-disc	
Transmission			1.1.1
Primary reduction systen	n	Spur gear	
Primary reduction ratio		82/48(1.708)	
Secondary reduction sys	tem	Chain drive	
Secondary reduction ration	o	47/15(3 133)	
Transmission type		Constant mesh 6-speed	
Operation		Left foot operation	
Gear ratio	1st	37/13(2.846)	
	2nd	37/19(1 947)	
	3rd	34/22(1 545)	
	4th	28/21(1 333)	
	5th	25/21(1 190)	
	6th	29/27(1.074)	
Chassis ¹			
Frame type		Diamond	
Caster angle		25°	
Trail		97 mm (3.82 in)	

Model		YZF600RG
Tire: Type Size	(front) (rear)	Tubeless 120/60ZR17 160/60ZR17
Brake: Front brake Rear brake	type operation type operation	Dual disc brake Right hand operation Single disc brake Right foot operation
Suspension: Front suspension Rear suspension		Telescopic fork Swingarm (link suspension)
Shock absorber: Front shock absorber Rear shock absorber		Coil spring / Oil damper Coil-gas spring / Oil damper
Wheel travel: Front wheel travel Rear wheel travel		130 mm (5.1 in) 120 mm (4.7 in)

Model	YZF600RG
Electrical·	
Ignition system	T C.I. (Digital)
Generator system	A C. magneto generator
Battery type	YTX12-BS
Battery capacity	12 V 10 AH
Headlight type:	Quartz bulb (Halogen)
Bulb wattage × quantity ·	
Headlight	12 V 60 W / 55 W × 2
Tail / brake light	12 V 5 W / 21 W × 2
Flasher light	12 V 21 W × 4
Meter light	12 V 1 7 W × 4
Indicator light	
NEUTRAL	12 V 3 4 W × 1
HIGH BEAM	12 V 3.4 W × 1
OIL LEVEL	12 V 3.4 W × 1
TURN	12 V 3.4 W × 1
FUEL	12 V 3.4 W × 1

NOISE REGULATION (FOR Australia)

"TAMPERING WITH NOISE CONTROL SYSTEM PROHIBITED"

Owners are warned that the law may prohibit:

- (a) 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; and
- (b) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

YAMAHA MOTOR CO.,LTD.

