



YAMAHA

SG50

**OWNER'S MANUAL
HANDLEIDING VOOR DE EIGENAAR
BETRIEBSANLEITUNG**

34N-28199-W5

SG50

OWNER'S MANUAL

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1 st Edition, August 1983

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Printed in Japan

WARNING:

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

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

NOTE:

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

CAUTION:

A CAUTION indicates special procedures that must be followed to avoid damage to the motorcycle.

WARNING:

A WARNING indicates special procedures that must be followed to avoid injury to a motorcycle operator or person inspecting or repairing the motorcycle.

SAFETY WARNINGS

- 1. Never allow children to ride this motorcycle. Check the traffic regulations in your state regarding the minimum age requirements for a driver's license.**
- 2. This motorcycle is a single-seater. It is made for one rider only. Never ride with a passenger. Overloading will adversely affect the motorcycle's stability. Do not load the racks beyond their capacity. The load capacity of the rear rack (carrier) is 10 kg (22 lbs).**
- 3. This motorcycle is designed for on-road use only. It is not suitable for off-road use.**
- 4. Gasoline is highly flammable.**
 - * Always turn off the engine when refuelling.**
 - * Take care not to spill any gasoline of the engine or muffler when refuelling.**
 - * Never refuel while smoking or in the vicinity of an open flame.**
- 5. Always turn off the engine before leaving the motorcycle unattended.**
- 6. 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.**
- 7. The motorcycle should always be on the centerstand when you start the engine. Check the throttle grip operation times before starting off. The engine speed should slow down when the throttle is closed.**
- 8. If you should swallow some gasoline or inhale too many gasoline vapors, see your doctor immediately. If any gasoline spills on your skin or clothing, immediately wash with soap and water and change your clothes.**
- 9. Do not run the engine in a closed, unventilated place. Exhaust gases are harmful.**

INTRODUCTION

Congratulations on your purchase of the Yamaha SG50. This model represents the product of many years of Yamaha experience in the production of fine sporting, touring, and pace-setting racing machines. You can now appreciate the high degree of craftsmanship and reliability that have made Yamaha leader in these fields.

This manual will provide the owner with a good basic understanding of the operation, and basic maintenance, and inspection items of this motorcycle. If you have any questions regarding the operation or maintenance of your vehicle, please consult a Yamaha dealer.

EINLEITUNG

Herzlichen Glückwunsch zum Kauf einer Yamaha 250. Dieser Schritt ist ein sehr wichtiger Schritt. Sie haben sich für eine Maschine entschieden, die aufgrund ihrer einzigartigen Leistung von Yamaha entwickelt wurde. Auch Sie kommen nun in den Genuss der ausgezeichneten Verarbeitung und der hohen Zuverlässigkeit, die Yamaha zu einem der führenden Hersteller von Motorrädern in aller Welt gemacht haben. Diese Anleitung betrifft Ihnen das grundlegende Verständnis und in Bezug auf Bedienung, Wartung und Reparatur dieser Maschine. Lesen Sie diese Anleitung sorgfältig durch, bevor Sie die Maschine in Betrieb nehmen. Sie werden sich für die vielen Vorteile dieser Maschine freuen. Wenn Sie Fragen haben, wenden Sie sich an Ihren Händler.

NOTE: _____
Some data in this manual may become outdated due to improvements made to this model in the future. If there is any question concerning this manual, consult a nearby Yamaha dealer.

**OVERSEAS SERVICE
OVERSEAS OPERATIONS
YAMAHA MOTOR CO., LTD.**

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ANMERKUNG:
Mancher der in dieser Anleitung aufgeführten
Daten können im Staat der ständigen Ver-
besserung unserer Produkte verändert werden.
Falls irgendwelche Angaben bezüglich dieser
Anleitung unterschiedlich sind, so sind diese
an Ihren Yamaha-Vertriebsstellen zu erfragen.

YAMAHA MOTOR CO., LTD.
ÜBERSETZUNGSBÜRO
ÜBERSETZUNGSSERVICE

SAFETY RIDING POINTS

- 1. Braking can be extremely difficult on a wet road. Avoid hard braking, the motorcycle could slide. Apply the brakes slowly when stopping on a wet surface.**
- 2. Slow down as you approach a corner or turn. Once you have completed a turn, accelerate slowly.**
- 3. Be careful when passing parked cars. A driver might not see you and open a door in your path.**

HINWEISE ZUR FAHRSICHERHEIT

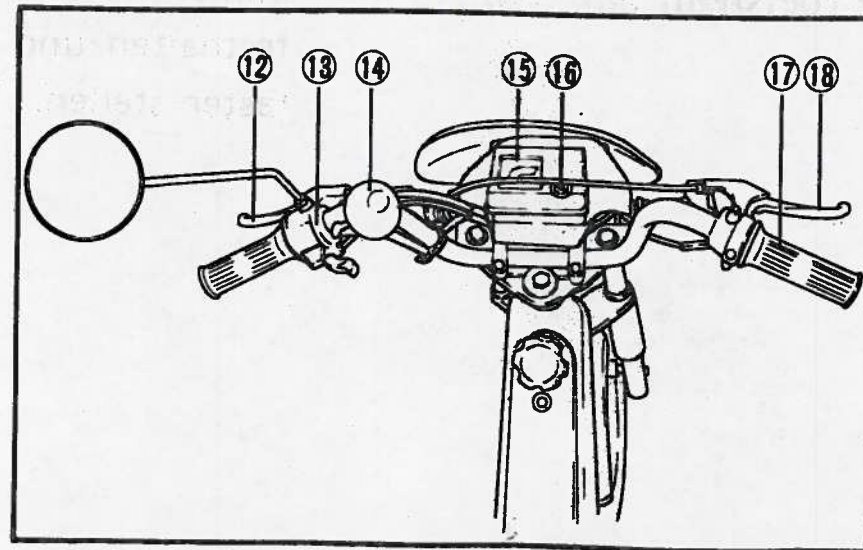
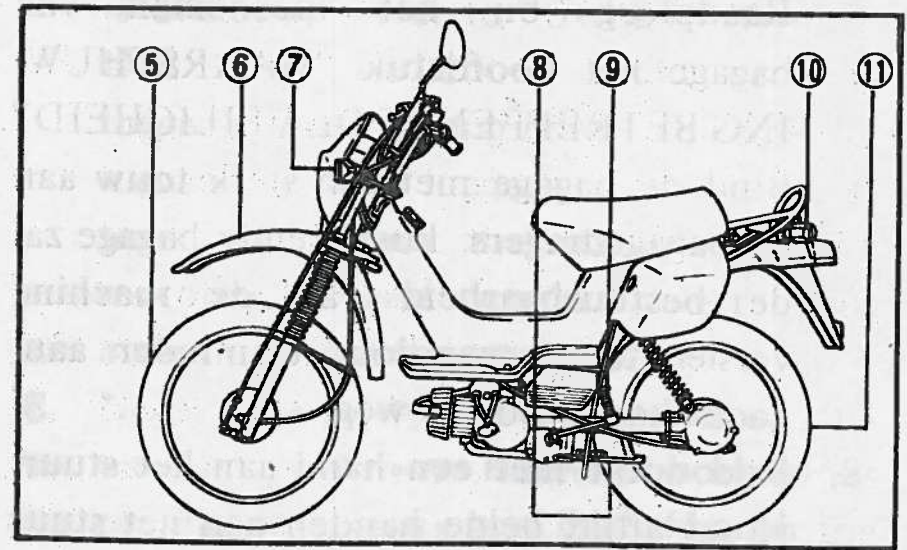
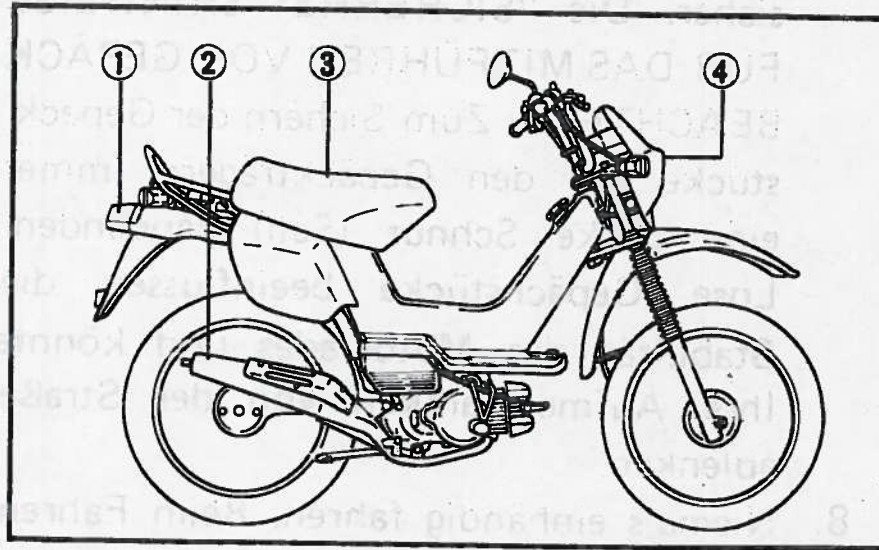
4. Street car rails, iron plates on road construction sites, and man-hole covers become extremely slippery when wet. Slow down and cross them with caution. Keep the motorcycle upright. It could slide out from under you.
5. The brake lining could get wet when you wash the motorcycle. After washing the motorcycle, check the brakes before riding.
6. Always wear a helmet, gloves, trousers (tapered around the cuff and ankle so they do not flap), and a bright colored jacket.

7. Do not carry too much luggage on the motorcycle. An overloaded motorcycle is unstable. Refer to "SAFETY WARNING" for instructions about carrying luggage. Use a strong cord to secure any luggage to the luggage racks. A loose load will affect the stability of the motorcycle and could divert your attention from the road.
8. Never ride with just one hand on the handlebars. Always ride with both hands on the handlebars and both feet on the footrests.

DESCRIPTION

BESCHRIJVING

BESCHREIBUNG



1. Taillight
2. Muffler
3. Seat
4. Headlight
5. Front wheel
6. Front fender
7. Front flasher light
8. Centerstand
9. Kick starter
10. Rear flasher light
11. Rear wheel
12. Rear brake lever
13. Handlebar switch (Left)
14. Bell
15. Speedometer
16. Main switch
17. Throttle grip
18. Front brake lever

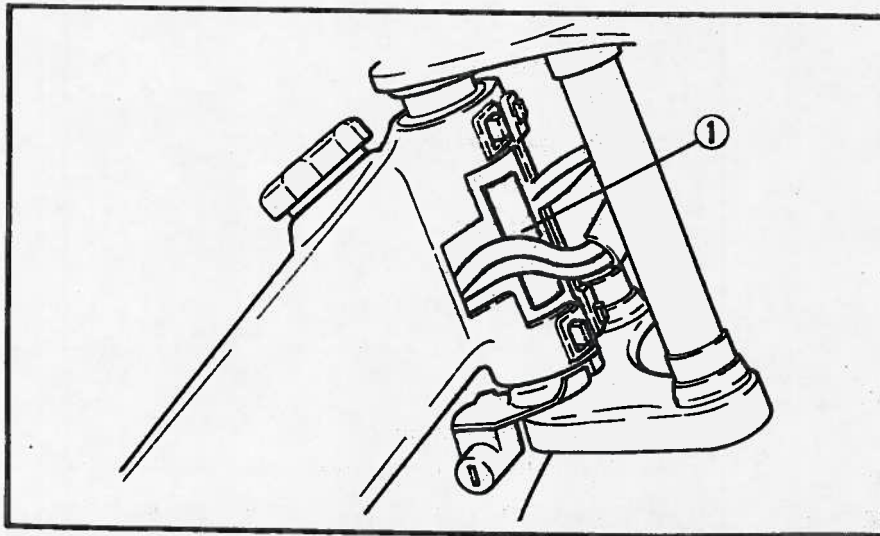
1. Achterlicht
2. Damper
3. Zitting
4. Voorlicht
5. Voorwiel
6. Voorwielspatbord
7. Richtingaanwijzer, voor
8. Middenstandaard
9. Kickstarter
10. Richtingaanwijzer, achter
11. Achterwiel
12. Achterrem-handgreep
13. Handgreep-schakelaar (Links)
14. Bel
15. Snelheidsmeter
16. Hoofdschakelaar
17. Gashandvat
18. Voorrem-handgreep

1. Schlußlicht
2. Auspuff
3. Sitz
4. Scheinwerfer
5. Vorderrad
6. Vorderrad-Kotflügel
7. Vorderrad Blinkleuchte
8. Hauptständer
9. Kickstarterhebel
10. Hintere Blinkleuchte
11. Achterwiel
12. Handbremshebel für Hinterbremse
13. Linker Lenkerschalter (Links)
14. Klingel
15. Geschwindigkeitsmesser
16. Hauptschalter
17. Gasdrehgriff
18. Handbremshebel für Vorderbremse

MOTORCYCLE IDENTIFICATION

Frame serial number

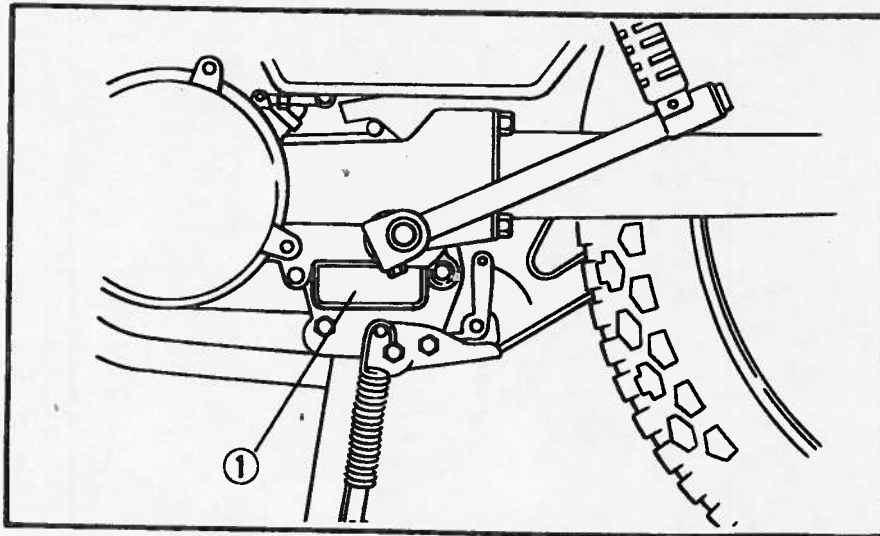
The frame serial number is stamped into the right side of the steering head pipe.



1. Frame serial number 1. Seriennummer van het frame
1. Seriennummer des Rahmens

Engine serial number

The engine serial number is stamped into the crankcase.

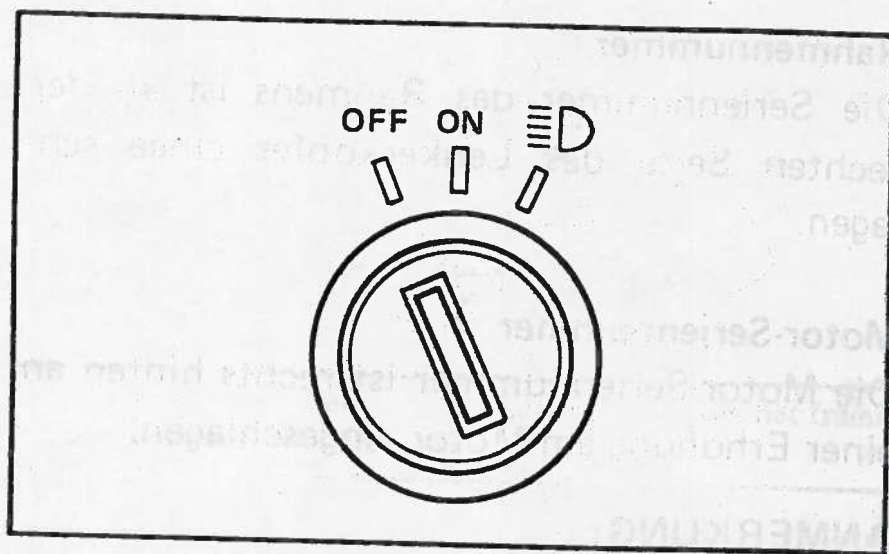


1. Engine serial number 1. Seriennummer van de motor
1. Seriennummer des Motors

NOTE: _____

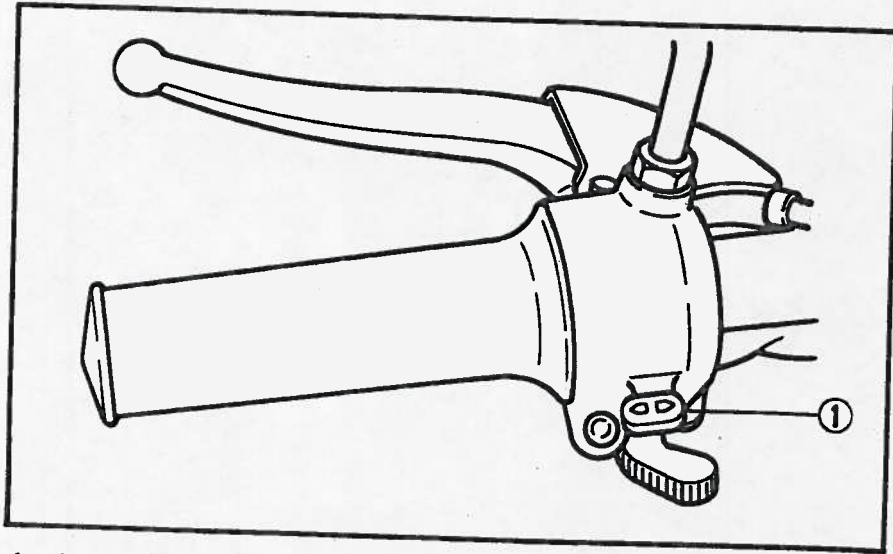
The first three digits of these numbers are for model identification; the remaining digits are the unit production number.

CONTROL FUNCTIONS



Main switch

- OFF:** All electrical circuits are switched off. The key can be removed in this position.
- ON:** Electrical circuits are switched on. The engine can be started. The key cannot be removed in this position.
- ☰D:** Electrical circuits are switched on. The engine can be started and the headlight and taillight come on. The key cannot be removed in this position.

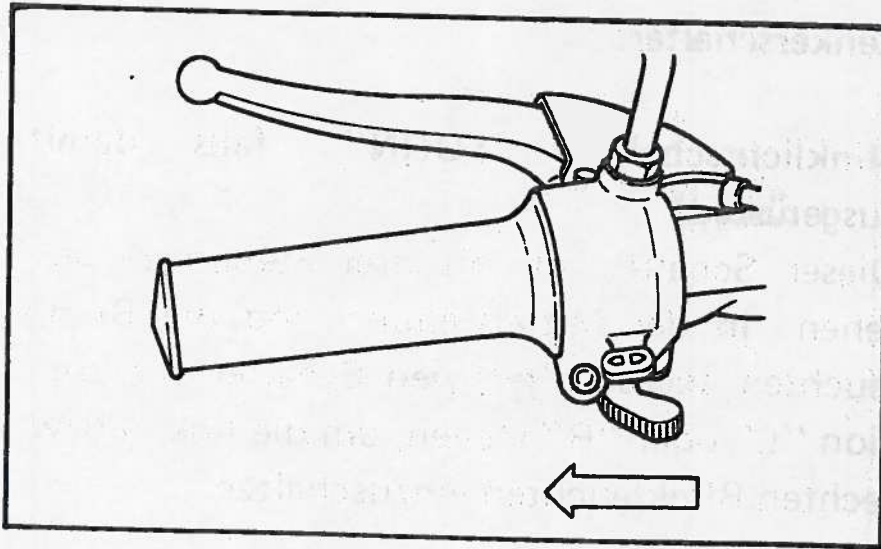


- 1. "TURN" switch
- 1. Schakelaar om richting aan te duiden "TURN"
- 1. Blinklichtschalter "TURN"

Handlebar switch:

"TURN" switch (if so equipped)

This is a three way switch: The center position is off. Turn to the "L" for the left flasher and to the "R" for the right flasher.

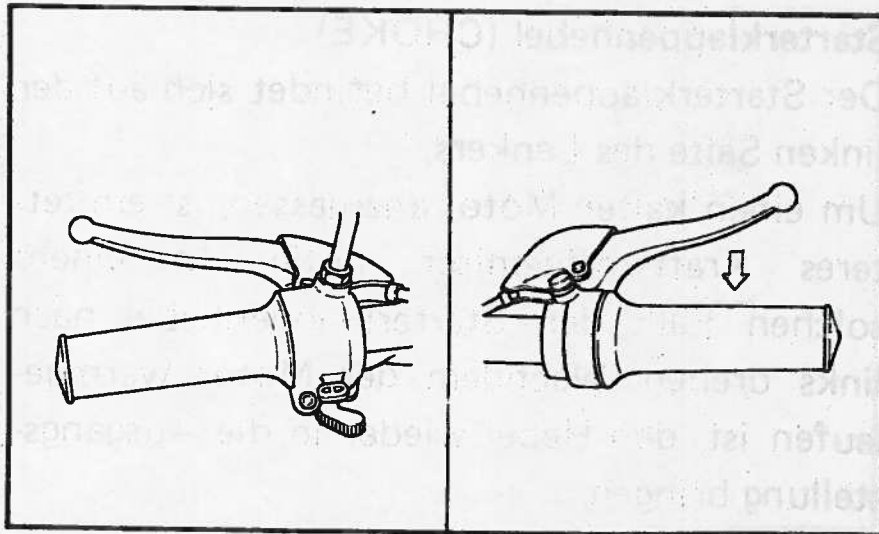


Starter lever (CHOKE)

The starter lever is located on the left handlebar.

Starting a cold engine requires a richer fuel mixture. In such a case, turn the starter lever in the left direction. After the engine is warm, turn the lever to its original position.

NOTE: _____
Refer to "Starting a cold engine" for proper operation.

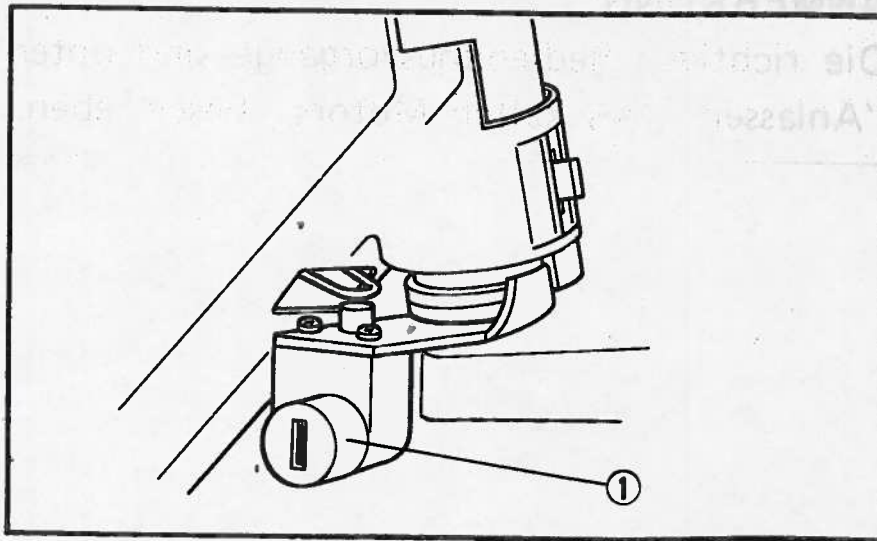


Front brake lever

The front brake lever is located on the right handlebar; pull it toward the handlebar to activate the front brake.

Rear brake lever

The rear brake lever is located on the left handlebar; pull it toward the handlebar to activate the rear brake.



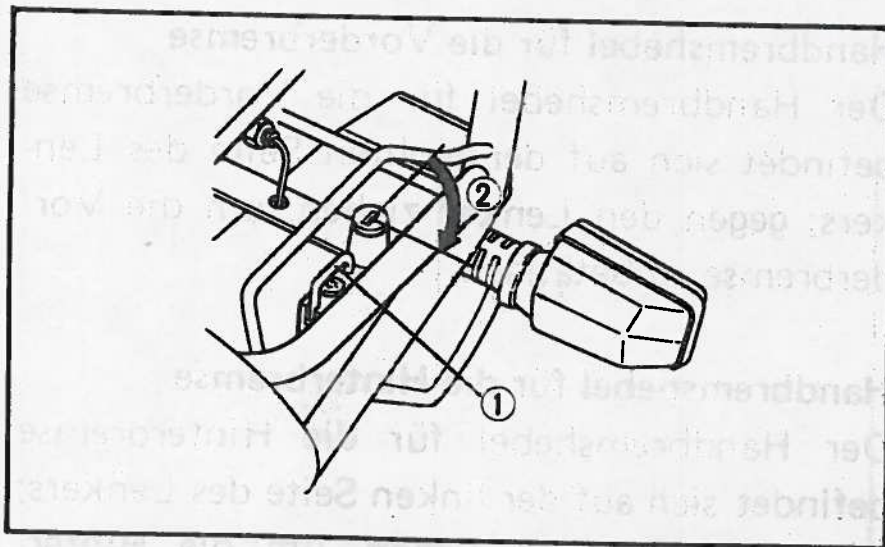
1. Steering lock

1. Stuurslot

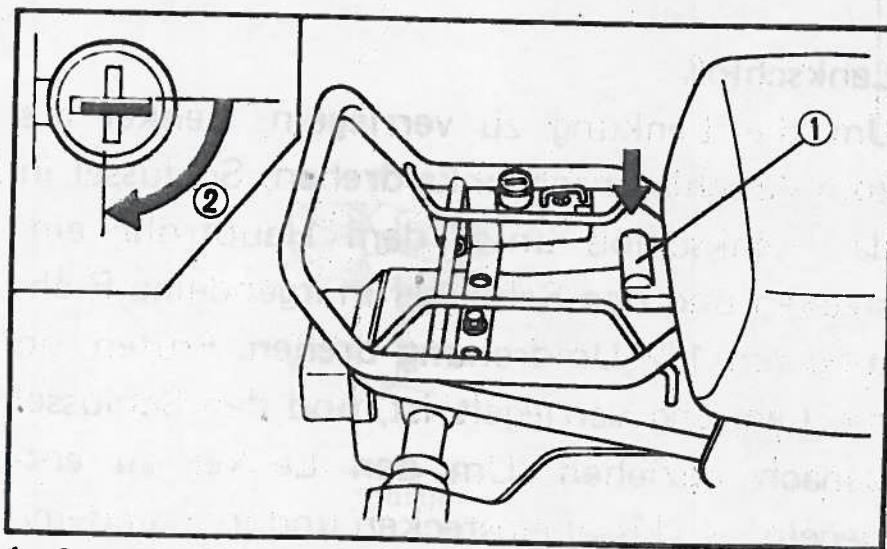
1. Lenkschloß

Steering lock

To lock the steering, turn the handlebars full to the left, insert the key into the steering lock under the head pipe and turn the key 1/2 turn. After checking if the lock is engaged, remove the key from the lock. To release the lock, insert the key and turn it 1/2 turn in either direction.



- | | | |
|------------------|---------------|--------------------|
| 1. Helmet holder | 1. Helmhouder | 1. Sturzhelmhalter |
| 2. Open | 2. Openen | 2. Öffnen |



- | | | |
|--------------|----------------|---------------------|
| 1. Seat lock | 1. Zittingslot | 1. Sitzverriegelung |
| 2. Open | 2. Openen | 2. Öffnen |

Helmet holder

To open the helmet holder, insert the key in the lock and turn it clockwise.

To lock the helmet holder, replace the holder in its original position.

WARNING:

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

Seat

To open the seat, insert the key in the lock and turn it clockwise.

To install the seat, insert the lobes on the seat front into the receptacles on the frame, then push down the seat at the end.

PRE-OPERATION CHECKS

Before using this motorcycle, check the following points:

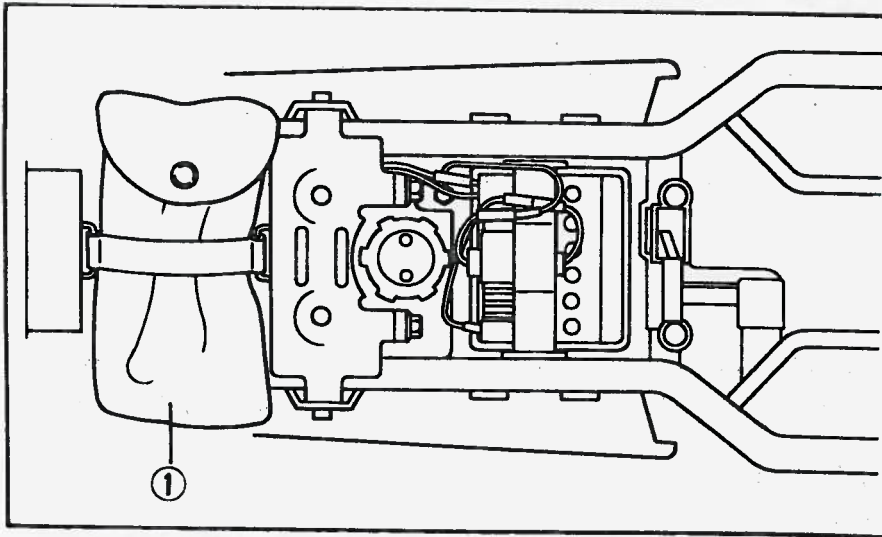
Item	Routine	Page
Front and rear brakes	Check operation, condition and free play. Adjust if necessary.	35
Throttle grip/Housing	Check for smooth operation. Lubricate/Adjust if necessary.	37
Engine oil	Check oil level/add oil as required.	33
Wheels/Tires	Check tire pressure, wear, damage.	47 ~ 51
Control/Meter cables	Check for smooth operation. Lubricate if necessary.	—
Brake lever pivots	Check for smooth operation. Lubricate if necessary.	—
Centerstand pivot	Check for smooth operation. Lubricate if necessary.	—
Fittings/Fasteners	Check all chassis fittings and fasteners. Tighten/Adjust, if necessary.	—
Fuel tank	Check fuel level/top-up as requires.	29 ~ 31
Lights and signals (if so equipped)	Check for proper operation.	37
Battery	Check fluid level, top-up with distilled water if necessary.	43

NOTE:

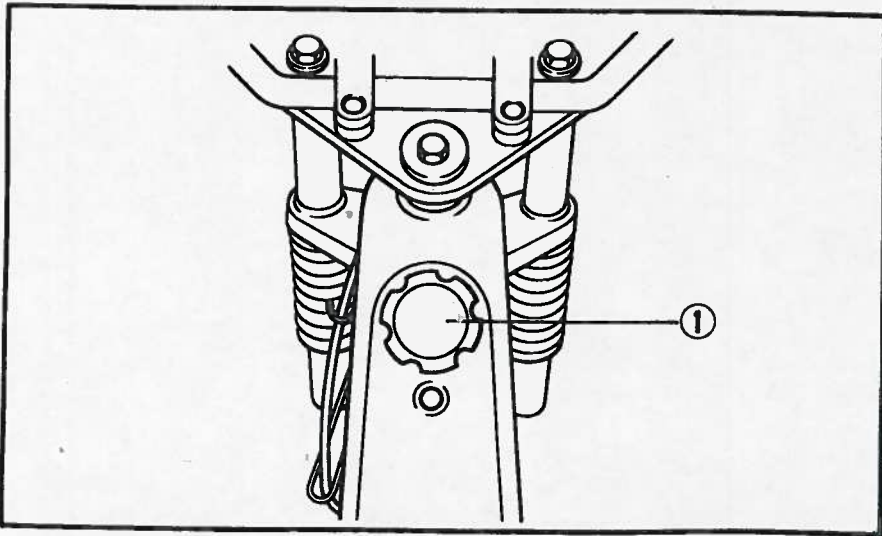
Pre-operation checks should be made each time the motorcycle is used. Such an inspection can be thoroughly accomplished in a very short time; and the added safety it assures is more than worth the time involved.

WARNING:

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



1. Tool kit 1. Gereedshap-set 1. Werkzeugsatz



1. Fuel tank cap 1. Dop van brandstoftank
1. Kraftstofftankdeckel

Tool kit

The tools provided in the owner's tool kit are sufficient for periodic maintenance and minor repair purpose, except that a torque wrench is also necessary to properly tighten nuts and bolts.

Fuel

Make sure there is sufficient fuel in the tank.

Recommended fuel:

Regular gasoline

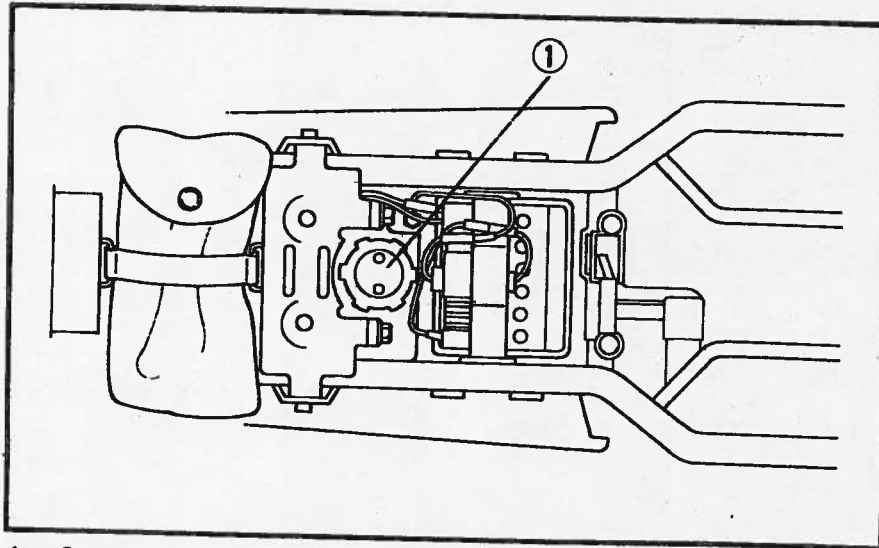
Fuel tank capacity:

3.4 L (0.75 Imp gal, 0.90 US gal)

WARNING:

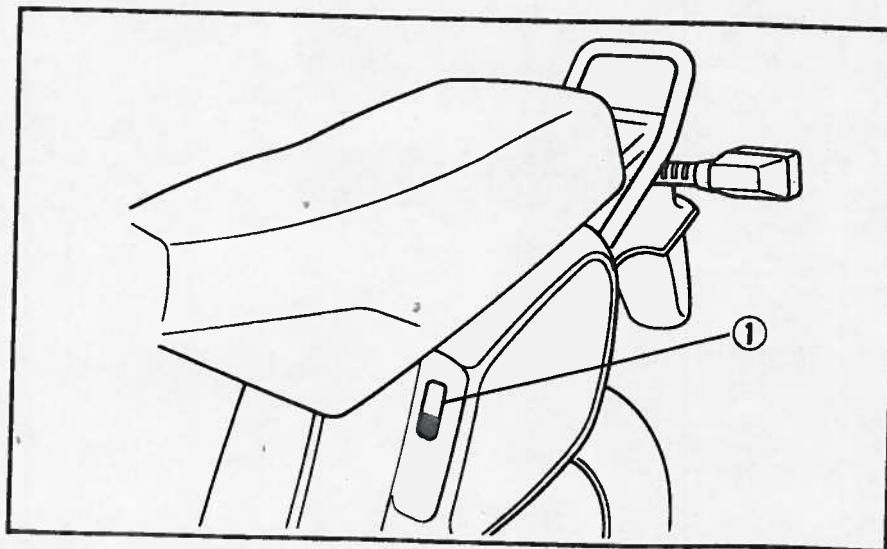
Gasoline is inflammable:

- When refueling immediately after operation, take special care not to spill gasoline over the engine or muffler.
 - Should you spill gasoline on the engine or muffler, quickly wipe it off before starting the engine.
 - When refueling, be sure to stop the engine.
 - Never attempt to refuel the motorcycle while smoking or near an open fire.
-



1. Oil tank cap
1. Öltankdeckel

1. Dop van oliereservoir



1. Check window 1. Kontrolle-venster 1. Prüffenster

Engine oil

Make sure there is sufficient engine oil in the oil tank. Check the oil level through the check window. If the oil level is low, refill the oil tank.

Recommended oil:

Yamaha oil 2T or equivalent
air cooled 2-stroke engine oil

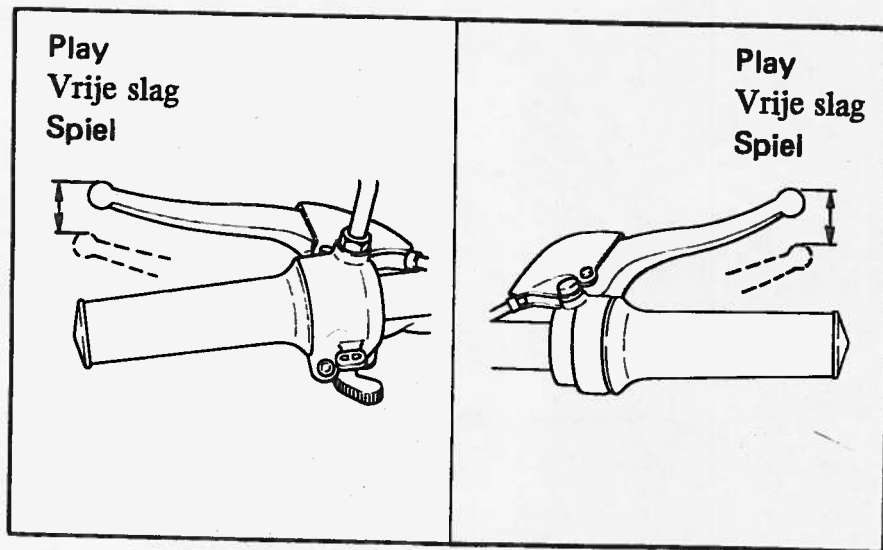
Oil tank capacity:

1.2 L (1.06 Imp qt, 1.27 US qt)

CAUTION:

Never place a rag over the oil tank filler cap.

- It may deform the tank.
- It may shut the vent hole, thus stopping the oil flow to the engine, causing the engine to damage.

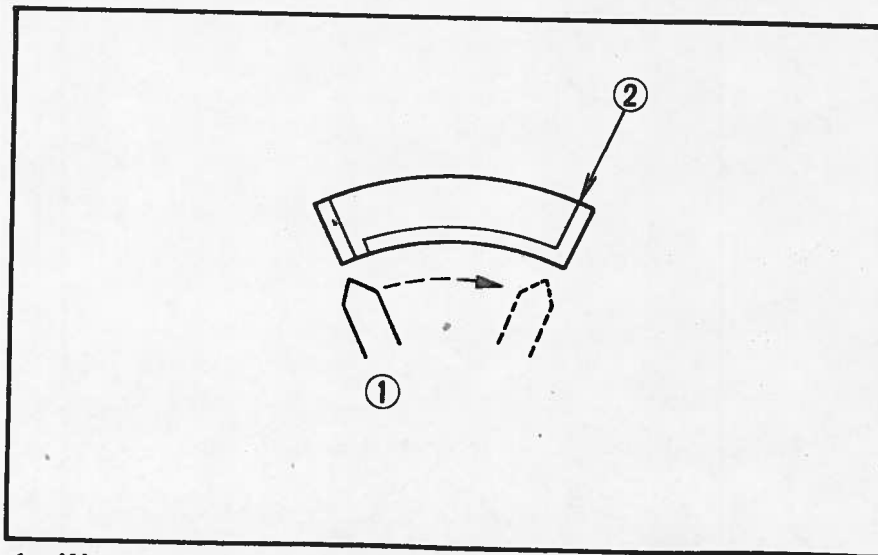


Brake (front and rear)

Check for correct play in the brake levers, and make sure they are working properly. Check brake operation at a very low speed shortly after starting out.

Brake lever free play:

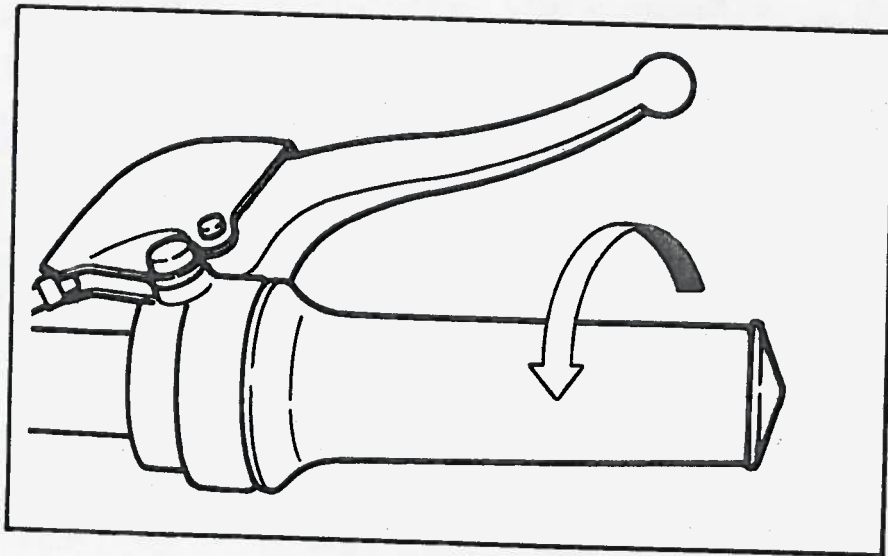
10 ~ 20 mm (0.4 ~ 0.8 in)



- | | | |
|-------------------|-----------------------|-----------------------|
| 1. Wear indicator | 1. Slijtage-indicator | 1. Verschleißanzeiger |
| 2. Wear limit | 2. Slijtagegrens | 2. Verschleißgrenze |

Brake lining inspection

A wear indicator is attached to each brake to facilitate brake shoe check. This indicator permits a visual check without disassembling the brake. To check, see the wear indicator position while operating the brake. If the indicator reaches to the wear limit line, ask a Yamaha dealer to replace the shoes as a set.



Throttle grip

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.

Lights/Signals

Check the headlight, taillight, and turn signal lights (if so equipped) to make sure they are in working condition.

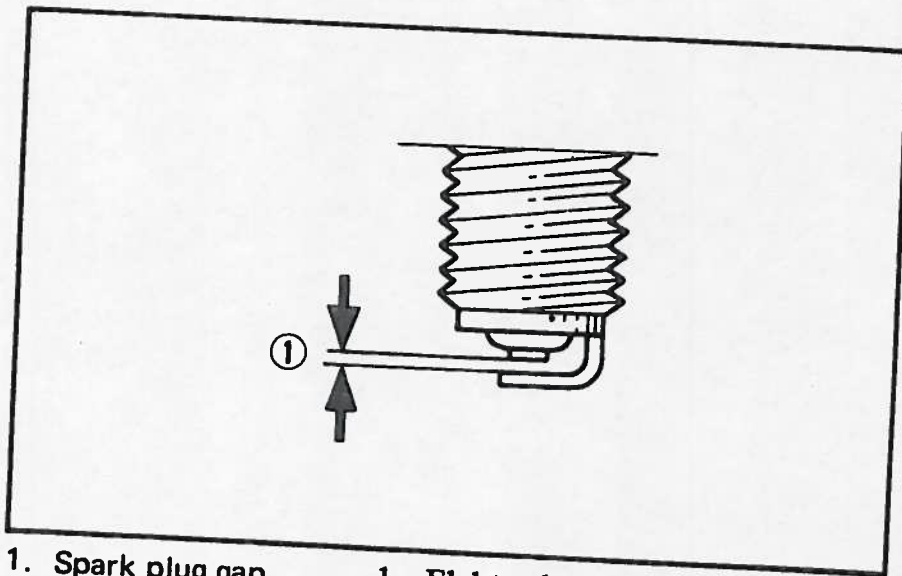
Spark plug inspection

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

For example; if the center electrode porcelain is very white, this could indicate an intake tract air leak or carburetion problem for that cylinder. Do not attempt to diagnose such problems yourself. Instead, take the motorcycle to a Yamaha dealer.

You should periodically remove and inspect the spark plug because heat and deposits will cause any spark plug to slowly break down and erode. If electrode erosion becomes excessive or if carbon and other deposits are excessive, you should replace the spark plug with one of the proper types.

Standard spark plug: BPR6HS (NGK)



- 1. Spark plug gap
- 1. Elektrode-afstand van de bougie
- 1. Elektrodenabstand der Zündkerzen

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

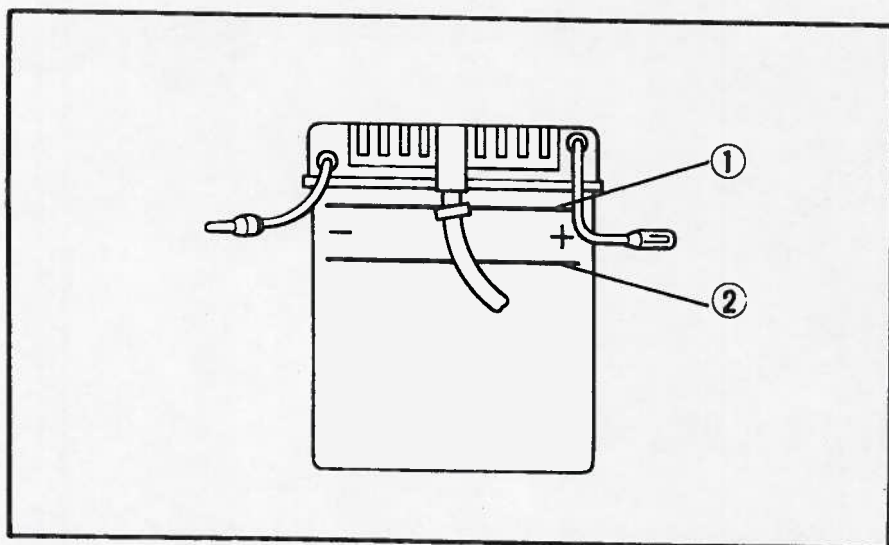
Spark plug gap:

0.6 ~ 0.7 mm (0.024 ~ 0.028 in)

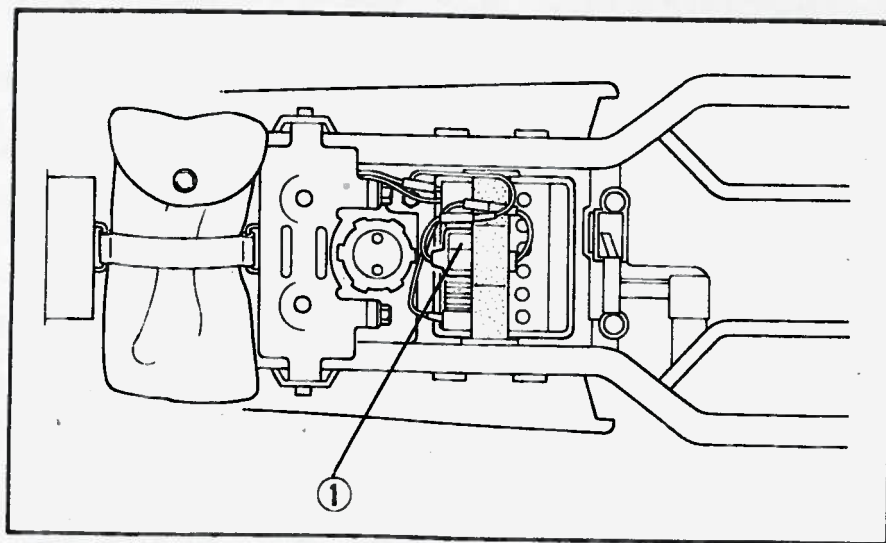
When installing the plug, always clean the gasket seat surface and use a new gasket. Wipe off any grime from the threads, and torque the spark plug properly.

Spark plug torque:

20 Nm (2.0 m·kg, 14 ft·lb)



- | | | |
|----------------|------------------|-------------------|
| 1. Upper level | 1. Bovenste peil | 1. Oberes Niveau |
| 2. Lower level | 2. Onderste peil | 2. Unteres Niveau |



- | | | |
|---------------|---------------------|--------------------|
| 1. Spare fuse | 1. Reserre zekering | 1. Ersatzsicherung |
|---------------|---------------------|--------------------|

Battery (if so equipped)

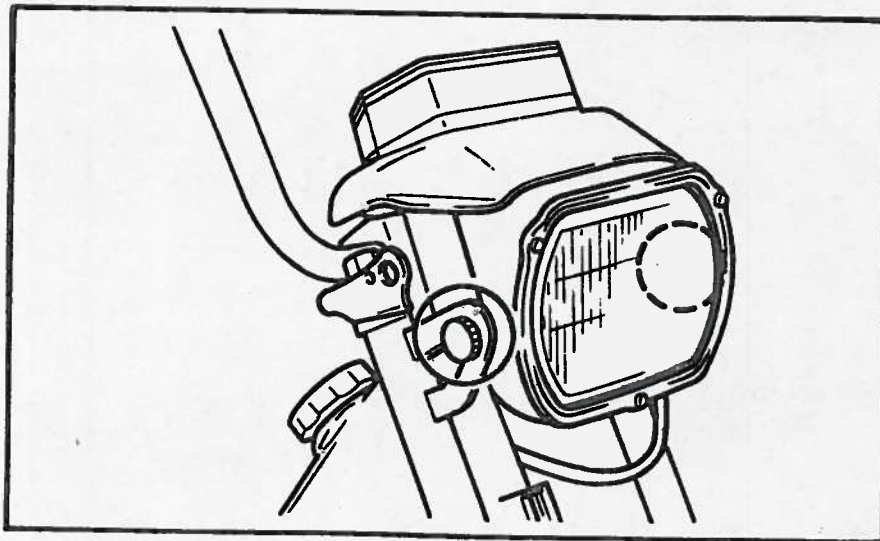
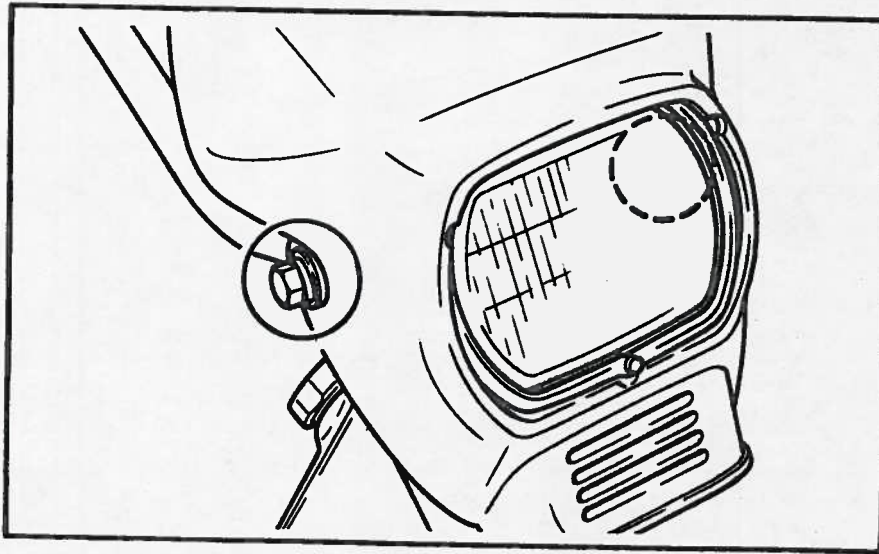
Check fluid level and top-up if necessary. Use only distilled water if refilling is necessary.

WARNING:

Battery electrolyte is poisonous and dangerous, causing severe burns, etc. If contains sulfuric acid. Avoid contact with skin, eyes, or clothing. If refilling or charging is necessary, ask a Yamaha dealer.

Fuse replacement

If fuse is blown, turn off the ignition switch and the switch in the circuit in question and install a new fuse of proper amperage. Then turn on the switches, and see if the electrical device operates. If the fuse immediately blows again, consult a Yamaha dealer.

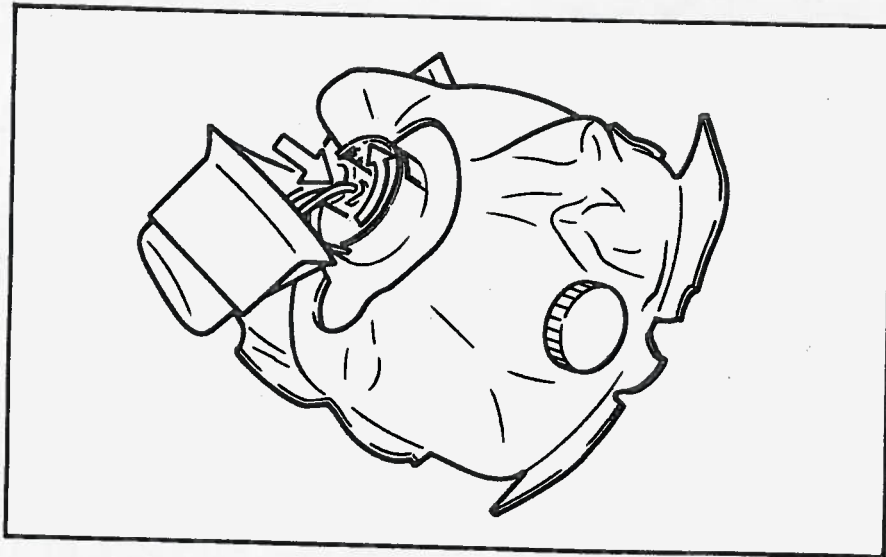


CAUTION:

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 possible fire.

Replacing the headlight bulb

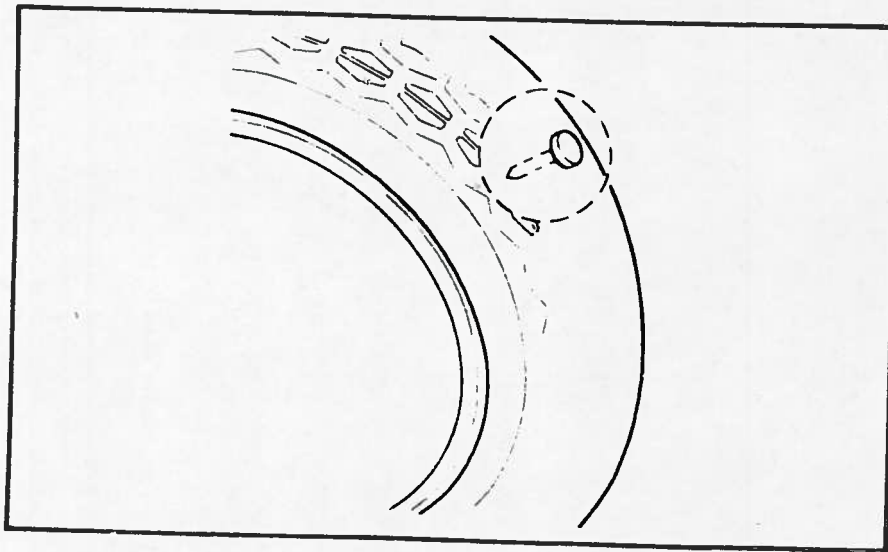
1. Remove the headlight cowl installation bolts (or flasher light installation nuts) and then headlight cowl.
2. Remove the headlight body installation bolts and then the headlight unit.
3. Remove the rubber cover.



4. Turn the bulb holder counterclockwise and remove the defective bulb.
5. For installing the headlight, reverse the above step.

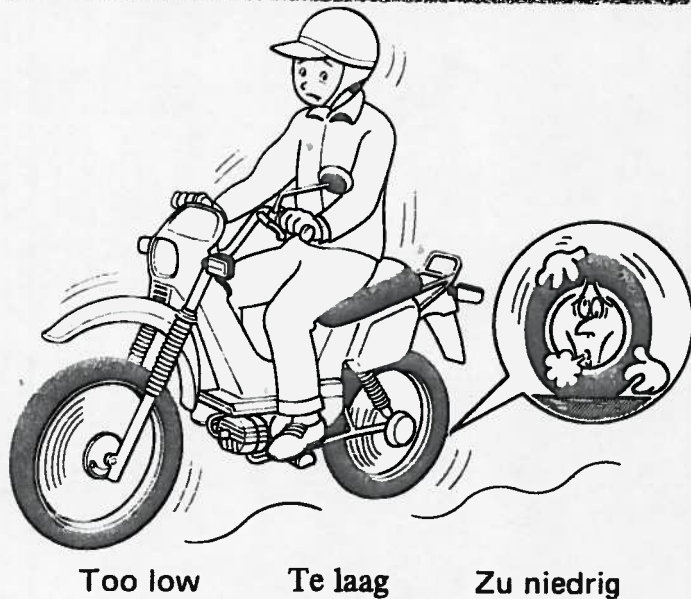
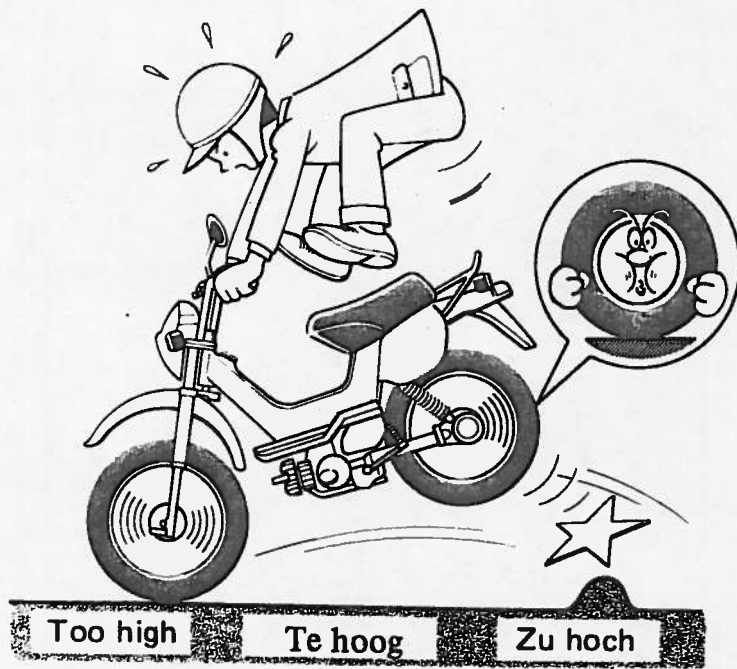
CAUTION:

When installing the rubber cover, its water drain hole should be placed at the bottom.



Tires

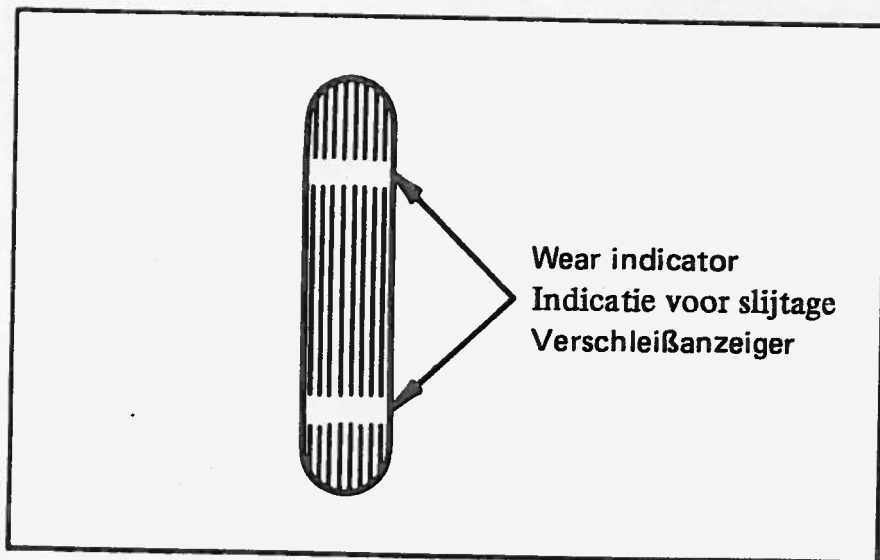
Check both front and rear tire pressure. Also check for nails, fractions of glass, or stones embedded in the tire treads. Check the run-out of each tire rim, and recondition as necessary. Ask a Yamaha dealer, if required.



WARNING:

Improper tire pressures greatly affect tire life and handling. Check tire pressure prior to each trip, and adjust properly if necessary.

- If tire pressure is too high, shocks from the road will not be damped and will be carried to the frame and handlebars, thus adversely affecting riding comfort. In addition, motorcycle stability will be poor when making a turn.
- If tire pressure is too low, tires will be deformed greatly, thus shortening tire life. When braking, the tires could slip over the wheel rims and the tire tubes could brake. When turning a corner taking a curve, the motorcycle could turn over.



Basic weight: With oil and full fuel tank	62 kg (137 lb)	
Maximum load*	103 kg (227 lb)	
Cold tire pressure	Front	Rear
Up to 75 kg (165 lb) load*	127 kPa (1.3 kg/cm ² , 18 psi)	127 kPa (1.3 kg/cm ² , 18 psi)
75 kg (165 lb) ~ Maximum load*	127 kPa (1.3 kg/cm ² , 18 psi)	226 kPa (2.3 kg/cm ² , 32 psi)

* Load is the total weight of cargo, rider, and accessories.

If tire treads are excessively worn, the motorcycle tends to slip or skid, on wet roads or even on paved roads covered with dirt. If a tire tread shows cross wire lines, it means that the tire is worn to its limit. Replace the tire.

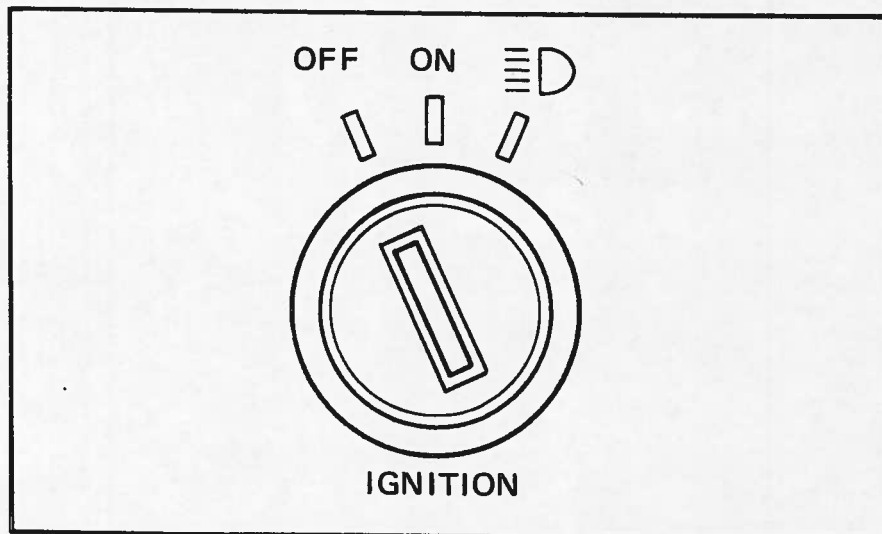
WARNING:

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.

OPERATION AND IMPORTANT RIDING POINTS

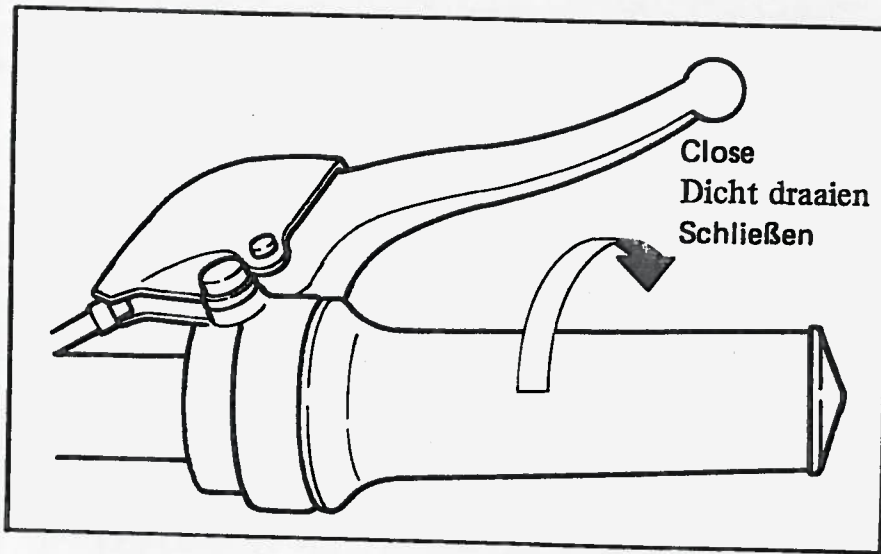
WARNING:

1. Before riding this motorcycle, become thoroughly familiar with all operating controls and their function. Consult a Yamaha dealer regarding any control or function you do not thoroughly understand.
2. Before starting the engine, put the motorcycle on its centerstand.



Starting a cold engine

1. Turn the ignition key to the "ON".



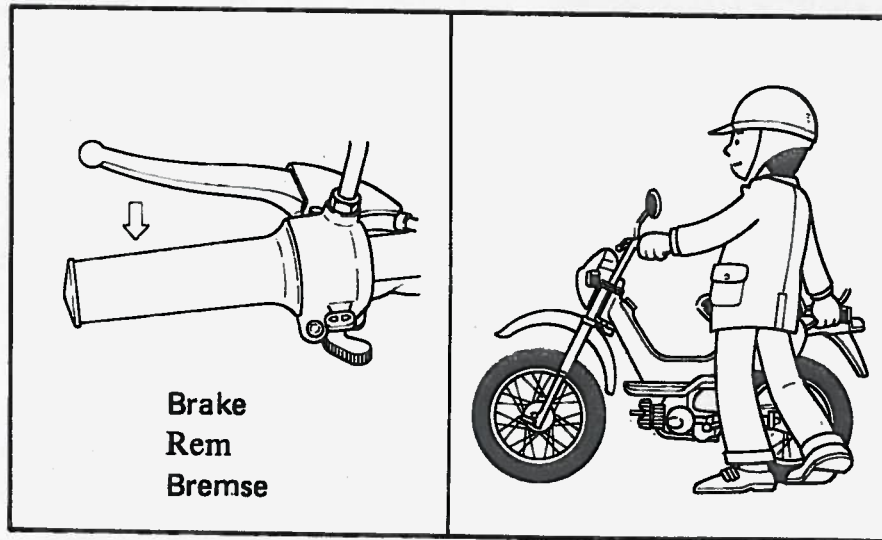
2. Turn the starter lever (CHOKE) in the left direction and completely close the throttle grip.
3. To start the engine, rotate the kick crank push down lightly with your foot until the gears engage, and then kick with full strength.
4. After the engine starts, warm up for one or two minutes. Make sure the starter lever is returned to the original position before riding.

Warming up

To get maximum engine life, always “warm-up” the engine before starting off. Never accelerate hard with a cold engine! To see whether or not the engine is warm, see if it responds to throttle normally with the starter lever turned off.

CAUTION:

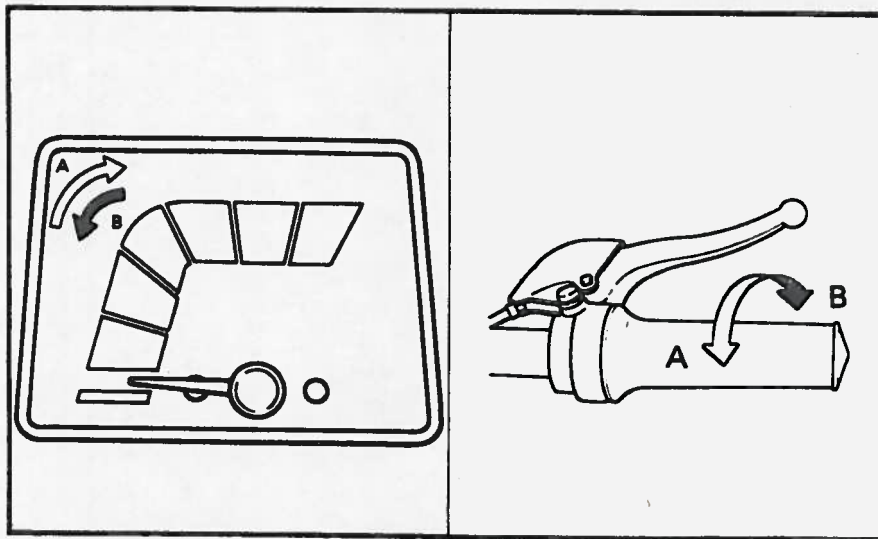
See “Break-in section” prior to operating engine for the first time.



Starting the motorcycle

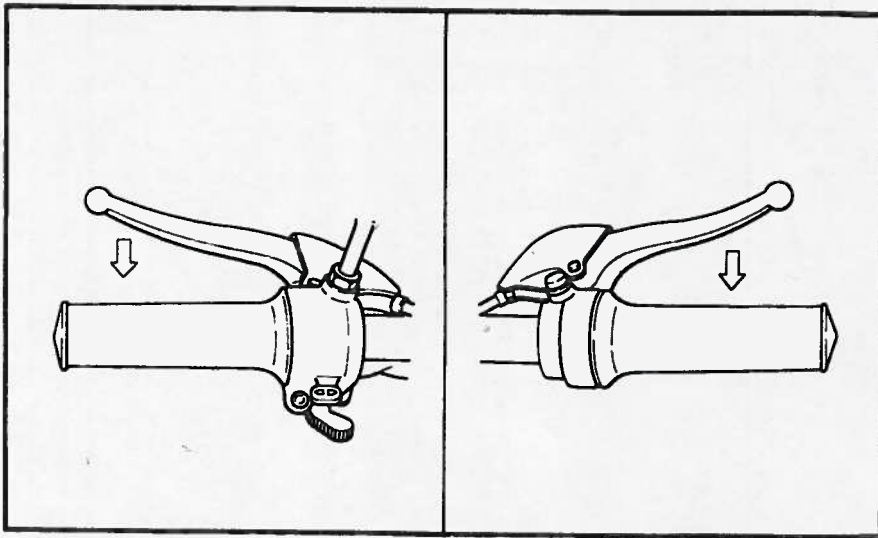
After warming up the engine:

1. Hold the brake lever (for the rear brake) with your left hand, and push the motorcycle off the centerstand while holding the rack (carrier) with your right hand.
2. Sit astride the seat and check the mirror for its angle.
3. Check the oncoming traffic, and use the turn signal (if so equipped) before entering traffic.
4. Turn out the throttle grip on the right handlebar slowly, and you can now start off. After starting off, turn off the flasher.



Acceleration

The speed can be adjusted by opening and closing the throttle grip. Turning it "A" increases the speed, and turning it "B" decreases the speed.



Braking

1. Close the throttle grip.
2. Apply both front and rear brakes simultaneously and with light pressure, and increase the pressure slowly.

WARNING:

1. **Avoid hard or sudden braking. They may cause the motorcycle to skid or overturn.**
2. **Apply the brakes carefully while leaning over to one side. Improper braking could lead to a skid.**
3. **Braking on a wet road will be very difficult.**
4. **Street car rails, metal plates on road construction sites, and man-hole covers become particularly slippery when they get wet. Cross them slowly and cautiously.**
5. **Braking on a hill can be difficult. Proceed slowly when riding downhill.**

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.

1. 0 ~ 150 km (0 ~ 90 mi):

Avoid operation above 1/3 throttle. Allow a cooling-off period of 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.

2. 150 ~ 500 km (90 ~ 300 mi):

Avoid prolonged operation above 1/2 throttle. Allow the motorcycle to rev freely through the gears, but do not use full throttle at any time.

CAUTION:

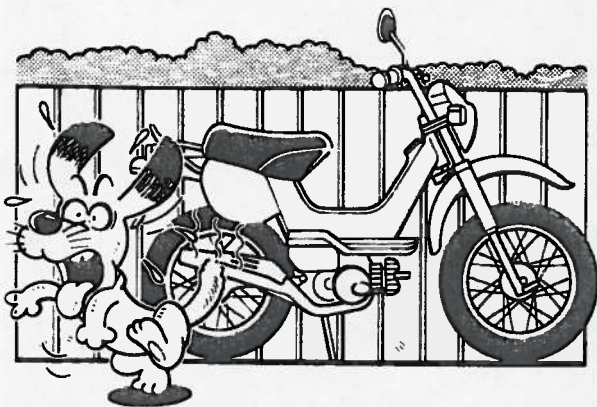
After 500 km (300 mi) of operation, be sure to replace the transmission oil.

3. 500 ~ 1,000 km (300 ~ 600 mi):

Avoid cruising speeds in excess of 3/4 throttle.

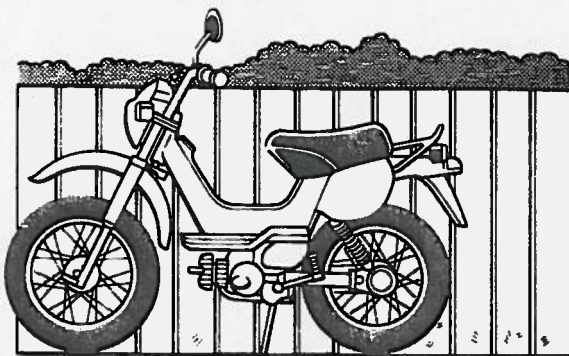
4. 1,000 km (600 mi) and beyond:

Avoid prolonged full-throttle operation. Vary speeds occasionally.



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CAUTION:

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

Parking

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

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 slop or soft ground; the motorcycle can easily overturn.

PERIODIC MAINTENANCE

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 lubrication 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 his environment.

PERIODIC MAINTENANCE/LUBRICATION INTERVALS

Unit: km (mi)

ITEM	REMARKS	BREAK-IN 500 (300)	EVERY	
			3,000 (2,000) or 6 months	6,000 (4,000) or 12 months
Spark plug	Check/Clean or replace.	○	○	○
Air filter*	Clean. Replace if necessary.		○	○
Carburetor*	Check/Adjust/idle speed, starter operation.	○		○
Fuel line*	Check fuel hose for cracks or damage.		○	○
Transmission oil*	Replace every 12,000 (8,000) or 24 months (Warm engine before draining).	Replace	Check	Check
Autolube pump*	Check/Adjust/Air bleeding.	○		○
Brake*	Check operation. Adjust if necessary.		○	○
Wheels*	Check balance/damage/runout/spoke tightness.		○	○
Wheel bearings*	Check bearings assembly for looseness/damage. Replace if damaged.		○	○
Steering bearing*	Check bearings assembly for looseness. Moderately repack every 12,000 (8,000) or 24 months.**	Check	Check	Check
Rear shock absorber*	Check operation/oil leakage		○	○
Fittings/Fasteners*	Check all chassis fittings and fasteners.	○	○	○
Battery*	Check specific gravity. Check breather pipe for proper operation.		○	○

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

** : Medium weight wheel bearing grease.

SPECIFICATIONS

(G): for Germany

(H): for Holland

Model	SG50
Dimension: Overall length Overall width Overall height Wheelbase Minimum road clearance	1,785 mm (70.3 in) (G), 1,820 mm (71.7 in) (H) 645 mm (25.4 in) 1,080 mm (42.5 in) (G), 1,070 mm (42.1 in) (H) 1,150 mm (45.3 in) 130 mm (5.1 in) (G), 125 mm (4.9 in) (H)
Basic weight: With oil and full fuel tank	62 kg (137 lb)
Minimum turning radius:	1,700 mm (66.9 in)
Engine: Type Engine model Cylinder Displacement Bore x Stroke Compression ratio Starting system Ignition system Lubrication system Battery capacity/Type (if so equipped)	2-stroke, gasoline 34N (G), 34W (H) Single, forward inclined 49 cm ³ 40.0 x 39.2 mm (1.57 x 1.54 in) 6.0 : 1 (G), 7.1 : 1 (H) Kick starter CDI Separate lubrication (Yamaha Autolube) 12V, 2.5AH/GM2.5A-3C or FB2.5-C or YB2.5L-C

Model	SG50
Generator system Spark plug Carburetor Air cleaner	Flywheel magneto BPR6HS (NGK) VM8SC (G), VM12SC (H) Wet type element
Engine oil: Type Capacity	Yamaha oil 2T or equivalent air cooled 2-stroke engine oil 1.2 L (1.06 Imp qt, 1.27 US qt)
Transmission: Type Primary reduction system Primary reduction ratio Secondary reduction system Secondary reduction ratio Clutch type	Single-speed automatic Gear 1st: 63/33 (1.909) (G), 63/22 (2.863) (H) 2nd: — (G), 63/31 (2.032) (H) Shaft 19/14 x 49/7 = 9.499 (G), 19/15 x 57/10 = 7.219 (H) Wet, centrifugal automatic
Transmission oil: Type Capacity	SAE 10W30 type SE motor oil Periodic oil change: 0.45 L (0.40 Imp qt, 0.48 US qt) Total: 0.5 L (0.44 Imp qt, 0.53 US qt)

Model		SG50
Fuel: Capacity		3.4 L (0.75 Imp gal, 0.90 US gal)
Steering:	Caster Trail	25° 42 mm (1.65 in)
Tire size:	Front Rear	2.50-17-4PR (G), 2.50-16-4PR (H) 2.75-16-4PR (G), 2.50-16-4PR (H)
Suspension:	Front Rear	Telescopic fork Unit swing
Shock absorber:	Front Rear	Coil spring grease damper Coil spring grease damper
Frame:		Steel tube underbone
Electrical:		
Headlight		12V, 15W
Tailight		12V, 5W (G), 12V, 3W (H)
Flasher light (if so equipped)		12V, 10W x 4



YAMAHA MOTOR CO.,LTD.

IWATA, JAPAN

PRINTED IN JAPAN

83・8・2.2 x 1 CR

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