

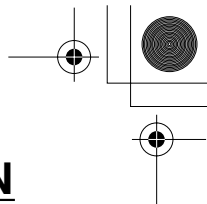


OWNER'S MANUAL

Drag Star

XVS125

5JX-28199-E3



INTRODUCTION

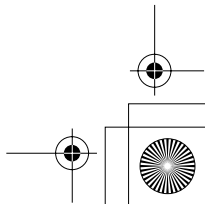
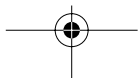
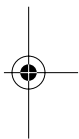
EAU10100

From Yamaha's vast experience and newest technology regarding the design, we have earned Yamaha a reputation for dependability.

Not only, so as to enjoy all advantages of your XVS125. The owner's manual is not only for you to understand the motorcycle, but also in how to safeguard yourself and

help keep your motorcycle in the best possible condition. If you have any questions, please contact your Yamaha dealer.

Enjoy your pleasant rides. So, remember to put safety first!



FORMATION

EAU10150

in this manual by the following notations:

means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

instructions could result in severe injury or death to the motorcyclist or a person inspecting or repairing the motorcycle.

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

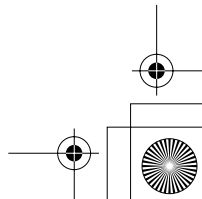
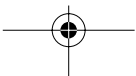
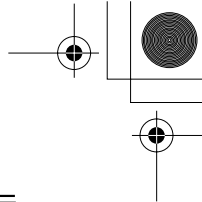
ation to make procedures easier or clearer.

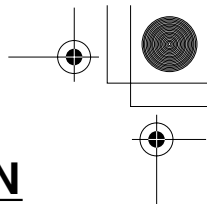
ent part of this motorcycle and should remain with it even if the motorcycle

product design and quality. Therefore, while this manual contains the most up-to-date information, due to the time of printing, there may be minor discrepancies between your motorcycle and the information in this manual, please consult your Yamaha dealer.

EWA10030

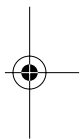
AND COMPLETELY BEFORE OPERATING THIS MOTORCYCLE.



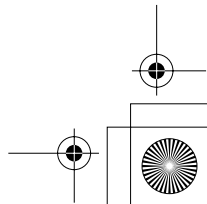
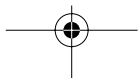


IMPORTANT MANUAL INFORMATION

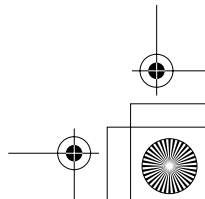
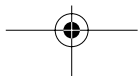
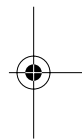
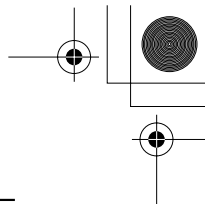
EAU10200



XVS125
OWNER'S MANUAL
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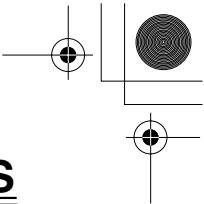
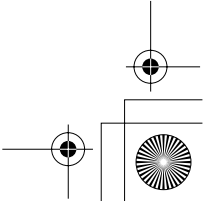
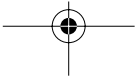
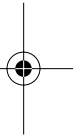


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RY BY MECHANICAL CONDI-
NS.

ling

ays make pre-operation
cks. Careful checks may help
vent an accident.

s motorcycle is designed to car-
ne operator and a passenger.

e failure of motorists to detect

l recognize motorcycles in traf-

s the predominating cause of

omobile/motorcycle accidents.

ny accidents have been caused

an automobile driver who did

see the motorcycle. Making

rsself conspicuous appears to

very effective in reducing the

nce of this type of accident.

efore:

Wear a brightly colored jacket.

Use extra caution when ap-

roaching and passing through

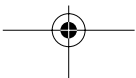
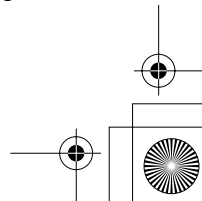
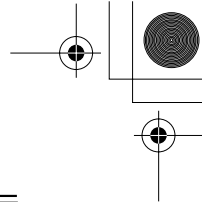
intersections, since intersec-

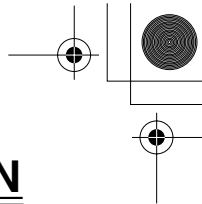
ions are the most likely places

or motorcycle accidents to oc-

cur.

- Ride where other motorists can see you. Avoid riding in another motorist's blind spot.
- Many motorcycle accidents involve inexperienced operators. In fact, many operators who have been involved in accidents do not even have a current motorcycle license.
- Make sure that you are qualified and that you only lend your motorcycle to other qualified operators.
- Know your skills and limits. Staying within your limits may help you to avoid an accident.
- We recommend that you practice riding your motorcycle where there is no traffic until you have become thoroughly familiar with the motorcycle and all of its controls.
- Many motorcycle accidents have been caused by error of the motorcycle operator. A typical error made by the operator is veering





SAFETY INFORMATION

alcohol or other drugs.

This motorcycle is designed for on-road use only, therefore, 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 most critical factor in the prevention and reduction of head injuries.

Always wear an approved helmet. Wear a face shield or goggles. Do not wear your eyes unprotected. This could contribute to an impairment of vision which could delay seeing a hazard.

The use of a jacket, heavy boots, knee pads, gloves, etc., is effective in preventing or reducing abrasions and lacerations.

Never wear loose-fitting clothes, otherwise they could catch on the control levers, footrests, or wheels and cause injury or an 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.

- Passengers should also observe the precautions mentioned above.

Modifications

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

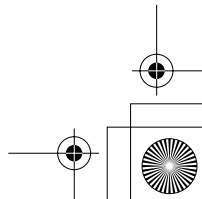
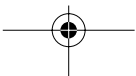
Loading and accessories

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

1



1-2



ate unstable handling or slow
ering response.

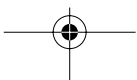
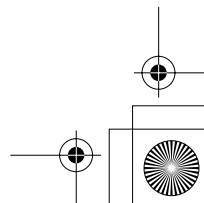
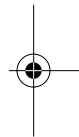
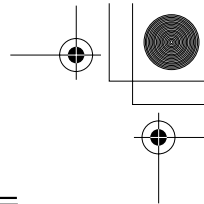
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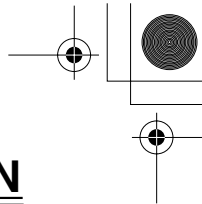
e Yamaha accessories have
pecifically designed for use on
orcycle. Since Yamaha cannot
other accessories that may be
e, you must personally be re-
e for the proper selection, in-
n and use of non-Yamaha
ries. Use extreme caution
electing and installing any ac-
s.

e following guidelines in mind,
as those provided under "Load-
en mounting accessories.

ver install accessories or carry
go that would impair the perfor-
nce of your motorcycle. Care-
y inspect the accessory before
ng it to make sure that it does
in any way reduce ground
arance or cornering clearance,
t suspension travel, steering
vel or control operation, or ob-
re lights or reflectors.

- Accessories fitted to the handle-
bar or the front fork area can
create instability due to improper
weight distribution or aerody-
namic 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.
- Bulky or large accessories may
seriously affect the stability of
the motorcycle due to aerody-
namic effects. Wind may at-
tempt to lift the motorcycle, or
the motorcycle may become un-
stable in cross winds. These ac-
cessories may also cause
instability when passing or being
passed by large vehicles.
- Certain accessories can dis-
place the operator from his or
her normal riding position. This
improper position limits the free-
dom of movement of the opera-
tor and may limit control ability,
therefore, such accessories are





SAFETY INFORMATION

Always turn the engine off before leaving the motorcycle unattended and remove the key from the main switch. When parking the motorcycle, note the following:

The engine and exhaust system may be hot, therefore, park the motorcycle in a place where pedestrians or children are not likely to touch these hot areas.

Do not park the motorcycle on a slope or soft ground, otherwise it may fall over.

Do not park the motorcycle near a flammable source (e.g. a kerosene heater, or near an open flame), otherwise it could catch fire.

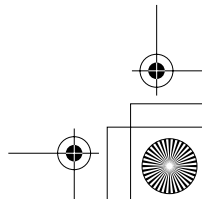
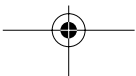
When transporting the motorcycle on another vehicle, make sure that it is kept upright and that the fuel switch is turned to "ON" or "RES" (for vacuum type) / "OFF" (for manual type). If it should lean over, gasoline may leak out of the carburetor or fuel tank.

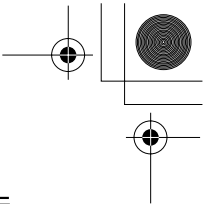
- If you should swallow any gasoline, inhale a lot of gasoline vapor, or allow gasoline to get into your eyes, see your doctor immediately. If any gasoline spills on your skin or clothing, immediately wash the affected area with soap and water and change your clothes.

1

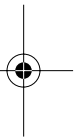
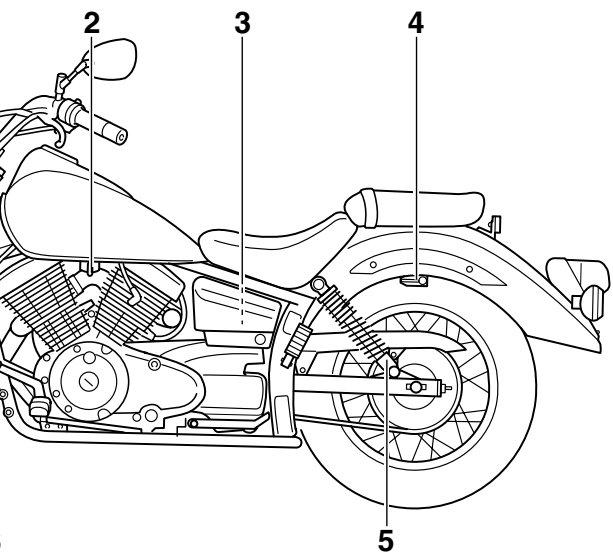


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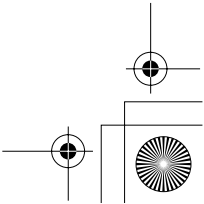
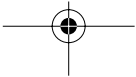


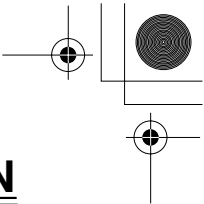
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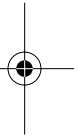
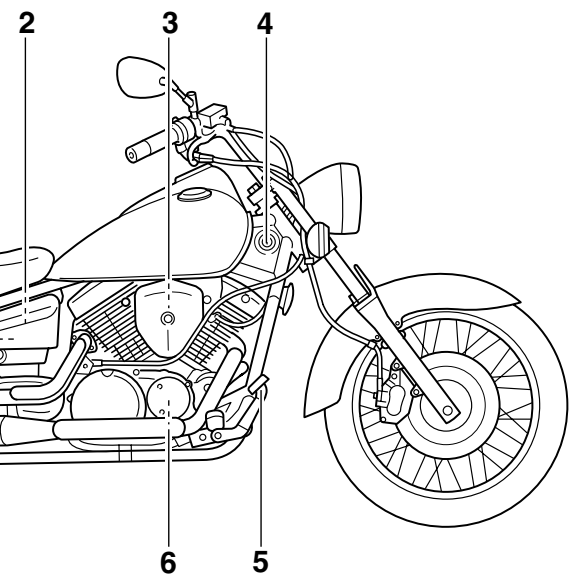
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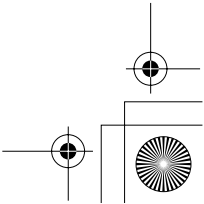
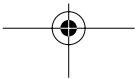


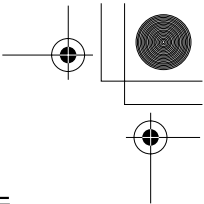
DESCRIPTION

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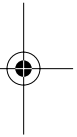
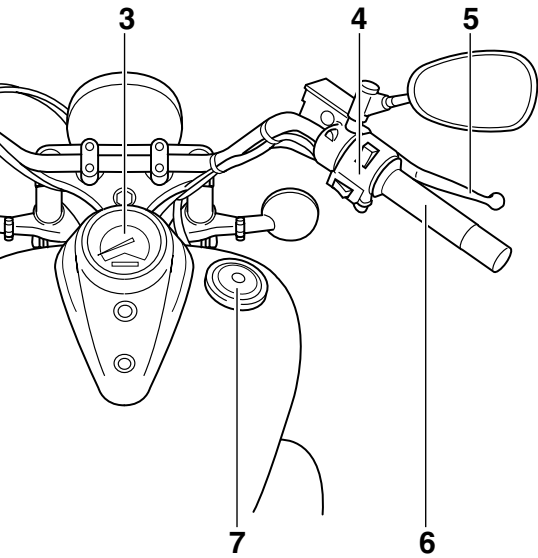


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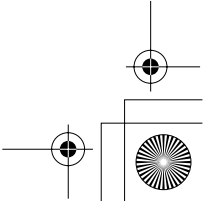
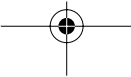




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2-3



INSTRUMENT AND CONTROL FUNCTIONS

EAU10680

EWA10060

steering is locked, and all electrical systems are off. The key can be re-

the steering

2



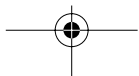
the handlebars all the way to the

push the key in from the "OFF" position, and then turn it to "LOCK" while still pushing it. Remove the key.

lock the steering

the key in, and then turn it to while still pushing it.

3-1



WARNING

Never turn the key to "OFF" or "LOCK" while the vehicle is moving, otherwise the electrical systems will be switched off, which may result in loss of control or an accident. Make sure that the vehicle is stopped before turning the key to "OFF" or "LOCK".

EAU10880

P \leq (Parking)

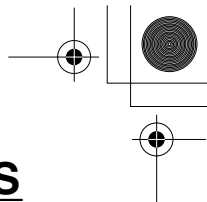
The steering is locked, and the taillight and auxiliary light are on, but all other electrical systems are off. The key can be removed.

The steering must be locked before the key can be turned to "P \leq ".

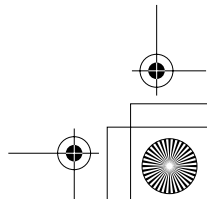
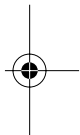
ECA11020

CAUTION:


Do not use the parking position for an extended length of time, otherwise the battery may discharge.





3



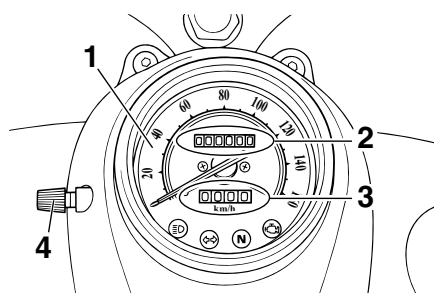
FUNCTIONS

Headlight indicator light “”
The headlight indicator light comes on when the headlight is switched on.

Engine trouble warning light “”
The engine trouble warning light comes on or flashes when the engine is defective. When this occurs, contact your Yamaha dealer check the diagnosis system.

Malfunction indicator light “”
The malfunction indicator light comes on for a few seconds when the key is turned to the ON position. This does not indicate a malfunction.

Speedometer unit



1. Speedometer
2. Odometer
3. Tripmeter
4. Reset knob

The speedometer unit is equipped with a speedometer, an odometer and a tripmeter. The speedometer shows riding speed. The odometer shows the total distance traveled. The tripmeter shows the distance traveled since it was last set to zero with the reset knob. The tripmeter can be used to estimate the distance that can be traveled with a full tank of fuel. This information will enable you to plan future fuel stops.

INSTRUMENT AND CONTROL FUNCTIONS

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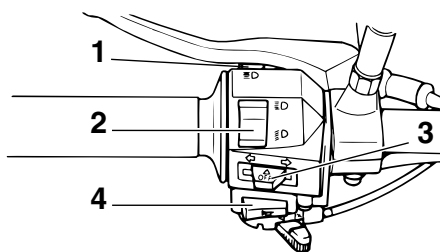
Anti-theft alarm (optional)







This model can be equipped with an optional anti-theft alarm by a Yamaha dealer. Contact a Yamaha dealer for more information.

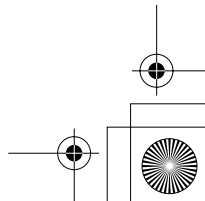
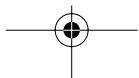
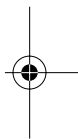
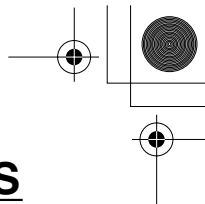
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Handlebar switches

Left




1. Pass switch “ ”
2. Dimmer switch “ /  ”
3. Turn signal switch “ /  ”
4. Horn switch “ ”



FUNCTIONS





Push the switch in after it has re-
turned to the center position.






EAU12500

Switch “”

This switch is used to sound the horn.



EAU12590

Switch “ /   / ”


Set the switch to “  ” to turn on the
headlight, meter lighting and tail-
light. Set the switch to “” to turn on
the headlight also. Set the switch to “”
to turn off all the lights.

EAU12660

Emergency stop switch “ / ”

Set the switch to “” before starting
the engine. Set this switch to “” to
stop the engine in case of an emergen-
cy, such as when the vehicle overturns
or the throttle cable is stuck.

EAU12710

Switch “”

This switch is used to crank the engine
for starting.

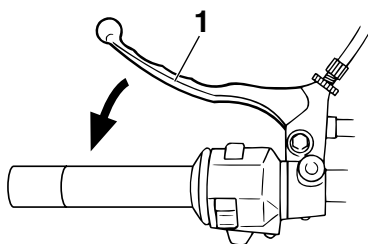
ECA10050

NOTE:

Refer to page 5-1 for starting instruc-
tions prior to starting the engine.

Clutch lever

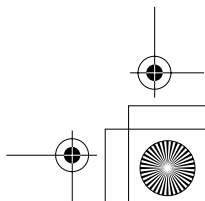
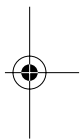
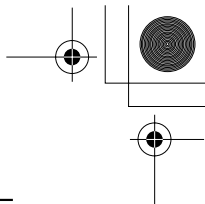
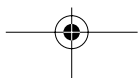
EAU12820



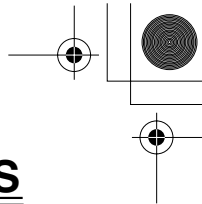
1. Clutch lever

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

The clutch lever is equipped with a
clutch switch, which is part of the igni-
tion circuit cut-off system. (See
page 3-10.)



INSTRUMENT AND CONTROL FUNCTIONS

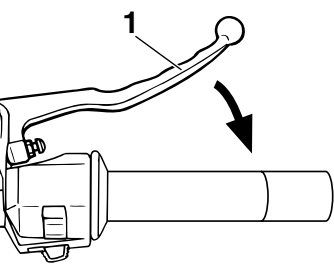


lever

EAU12890

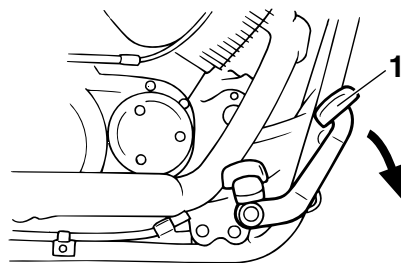
Brake pedal

EAU12941



lever

ake lever is located at the right
bar grip. To apply the front
pull the lever toward the handle-
.



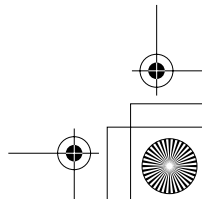
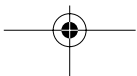
3

1. Brake pedal

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



3-5



L FUNCTIONS

erly installed and locked.

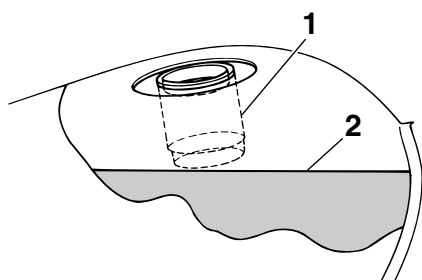
EWA11140

WARNING

ure that the fuel tank cap is
y installed before riding.

Fuel

EAU13210



1. Fuel tank filler tube
2. Fuel level

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

EWA10880

WARNING

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

ECA10070

CAUTION:

Immediately wipe off spilled fuel with a clean, dry, soft cloth, since

INSTRUMENT AND CONTROL FUNCTIONS

fuel will extend spark plug life
and reduce maintenance costs.

EAU13580

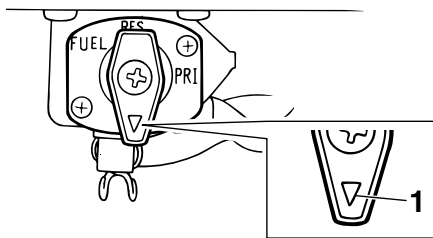
Fuel cock

This model is equipped with a negative pressure fuel cock. The fuel cock supplies fuel from the tank to the carburetor while also filtering it.

The fuel cock lever positions are explained as follows and shown in the illustrations.

ON

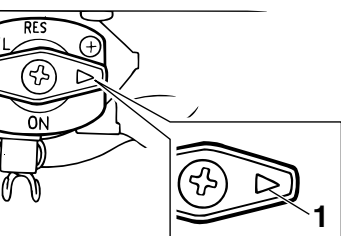
3



1. Arrow mark positioned over "ON"

With the fuel cock lever in this position, fuel flows to the carburetor when the engine is running. Turn the fuel cock lever to this position when starting the engine and riding.

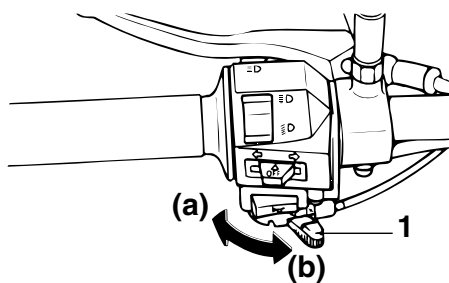
L FUNCTIONS



mark positioned over "PRI"
icates prime. With the fuel cock
this position, the engine can be
. Turn the fuel cock lever to this
when the engine has been al-
run out of fuel. This sends fuel
to the carburetor, which will
starting easier. After the engine
ted, be sure to turn the lever to
"RES" if you have not refueled

Starter (choke) lever " |> | "

EAU13590



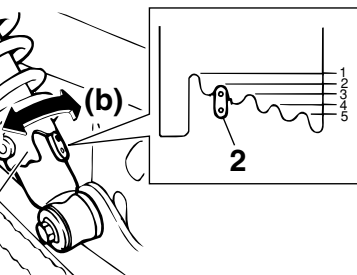
1. Starter (choke) lever " |> | "

Starting a cold engine requires a richer
air-fuel mixture, which is supplied by
the starter (choke).
Move the lever in direction (a) to turn on
the starter (choke).
Move the lever in direction (b) to turn off
the starter (choke).

INSTRUMENT AND CONTROL FUNCTIONS

Adjusting the shock absorber assemblies

EAU14880



g preload adjusting ring
on indicator

shock absorber assembly is
ed with a spring preload adjust-

ECA10100

ON: _____
attempt to turn an adjusting
anism beyond the maximum or
um settings.

EWA10210

ARNING _____
s adjust both shock absorber
olies equally, otherwise poor

handling and loss of stability may
result.

Adjust the spring preload as follows.

To increase the spring preload and
thereby harden the suspension, turn
the adjusting ring on each shock ab-
sorber assembly in direction (a). To de-
crease the spring preload and thereby
soften the suspension, turn the adjust-
ing ring on each shock absorber as-
sembly in direction (b).

NOTE:

Align the appropriate notch in the ad-
justing ring with the position indicator
on the shock absorber.

Spring preload setting:

Minimum (soft):

1

Standard:

2

Maximum (hard):

5

L FUNCTIONS

as described below and
Yamaha dealer repair it if it
not function properly.

EAU15311

Ignition circuit cut-off system

The ignition circuit cut-off system (comprising the sidestand switch, clutch switch and neutral switch) has the following functions.

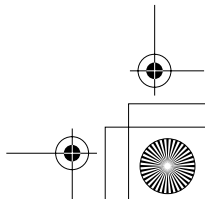
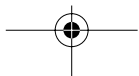
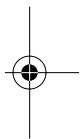
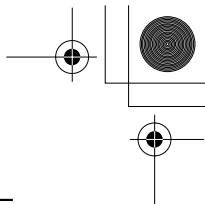
- It prevents starting when the transmission is in gear and the sidestand is up, but the clutch lever is not pulled.
- It prevents starting when the transmission is in gear and the clutch lever is pulled, but the sidestand is still down.
- It cuts the running engine when the transmission is in gear and the sidestand is moved down.

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

EWA10250

WARNING

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



INSTRUMENT AND CONTROL FUNCTIONS

NOTE:

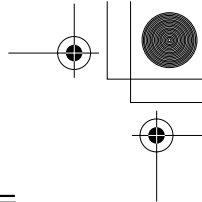
This check is most reliable if performed with a warmed-up engine.

The neutral switch may be defective.
The motorcycle should not be ridden until checked by a Yamaha dealer.

3

The sidestand switch may be defective.
The motorcycle should not be ridden until checked by a Yamaha dealer.

The clutch switch may be defective.
The motorcycle should not be ridden until checked by a Yamaha dealer.



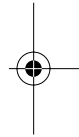
EAU15591

ability. Vital components can start to deteriorate quickly and unexpectedly, as a result of exposure to the elements). Any damage, fluid leakage or loss of oil. Therefore, it is very important, in addition to a thorough visual inspection, to check the oil level regularly.

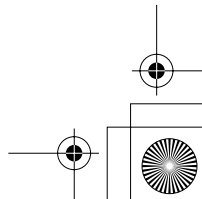
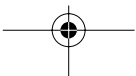
the vehicle is used. Such an inspection can be accomplished in a very short time and is well worth the time involved.

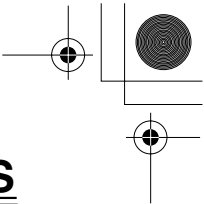
EWA11150

Not working properly, have it inspected and repaired before operating



4-1



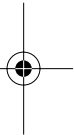


PRE-OPERATION CHECKS

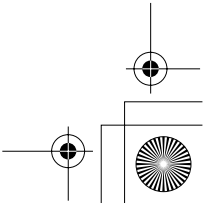
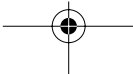
EAU15601

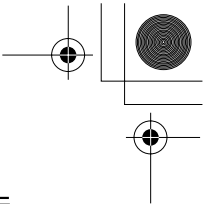
CHECKS	PAGE
Fuel tank.	3-6
Leakage.	
Engine.	6-8
Recommended oil to specified level.	
Oil leakage.	
Have Yamaha dealer bleed hydraulic system.	6-19, 6-20
Brake.	
Brake wear.	
Brake reservoir.	
Recommended brake fluid to specified level.	
Brake system for leakage.	
Clutch.	6-17
Clutch necessary.	6-16
Clutch.	
Clutch operation is smooth.	6-12, 6-24
Clutch play.	
Yamaha dealer adjust cable free play and lubricate cable	
Clutch operation is smooth.	6-23
Clutch.	

4

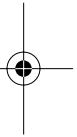


4-2

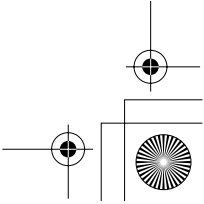
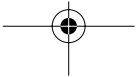




CHECKS	PAGE
on. ry.	6-21, 6-23
and tread depth.	6-13, 6-15
ation is smooth. ting points if necessary.	6-24
ation is smooth. ng points if necessary.	6-24
ation is smooth. ecessary.	6-25
uts, bolts and screws are properly tightened.	—
	—
gnition circuit cut-off system. e, have Yamaha dealer check vehicle.	3-10



4-3



OPERATION AND IMPORTANT RIDING POINTS

EAU16060

Starting a cold engine

For the ignition circuit cut-off to enable starting, one of the following conditions must be met:

The transmission is in the neutral position.

The transmission is in gear with the clutch lever pulled and the sidestand up.

EWA10290

WARNING

Before starting the engine, check the function of the ignition circuit cut-off system according to the procedure described on page 3-10.

Never ride with the sidestand down.

Turn the fuel cock lever to "ON".

Turn the key to "ON" and make sure that the engine stop switch is set to "O".

Shift the transmission into the neutral position.

NOTE:

When the transmission is in the neutral position, the neutral indicator light should be on, otherwise have a Yamaha dealer check the electrical circuit.

4. Turn the starter (choke) on and completely close the throttle. (See page 3-8.)
5. Start the engine by pushing the start switch.

NOTE:

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

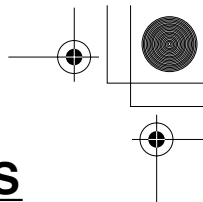
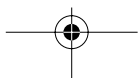
6. After starting the engine, move the starter (choke) back halfway.

ECA11040

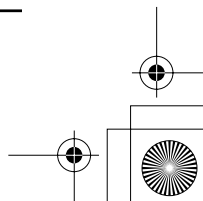
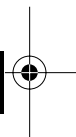
CAUTION:

For maximum engine life, never accelerate hard when the engine is cold!

5-1



5



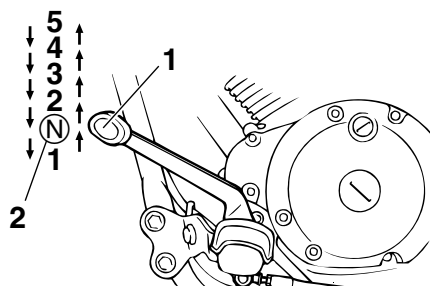
START RIDING POINTS

EAU16640

Starting a warm engine

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

Shifting



1. Shift pedal
2. Neutral position

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

The gear positions are shown in the illustration.

NOTE:

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

OPERATION AND IMPORTANT RIDING POINTS

Shift up points:

1st → 2nd: 23 km/h
2nd → 3rd: 36 km/h
3rd → 4th: 50 km/h
4th → 5th: 60 km/h

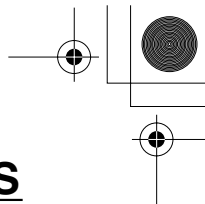
When shifting down two gears at a time, reduce the speed accordingly (e.g., down to 35 km/h when shifting from 5th to 2nd gear).

Tips for reducing fuel consumption

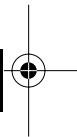
EAU16800

Fuel consumption depends largely on your riding style. Consider the following tips to reduce fuel consumption:

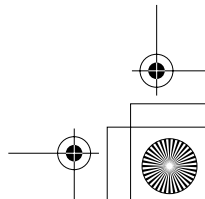
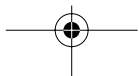
- Turn the starter (choke) off as soon as possible.
- Shift up swiftly, and avoid high engine speeds during acceleration.
- Do not rev the engine while shifting down, and avoid high engine speeds with no load on the engine.
- Turn the engine off instead of letting it idle for an extended length of time (e.g., in traffic jams, at traffic lights or at railroad crossings).



5



5-3



NT RIDING POINTS

Filter element replaced.

m (600 mi) and beyond
vehicle can now be operated nor-

ECA10270

ON: _____
engine trouble should occur
the engine break-in period,
ately have a Yamaha dealer
he vehicle.

Parking

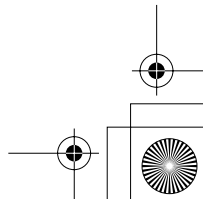
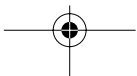
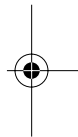
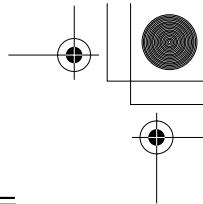
When parking, stop the engine, and
then remove the key from the main
switch.

EAU17200

EWA10310

WARNING

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

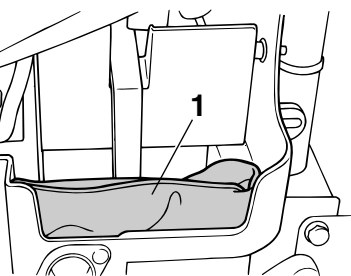


ODIC MAINTENANCE AND MINOR REPAIR

EAU17340

EWA10350

er's tool kit



WARNING

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

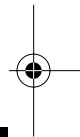
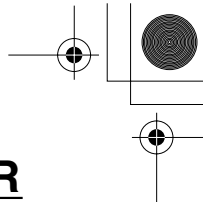
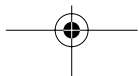
er's tool kit

Owner's tool kit is located behind the seat. (See page 6-5.)

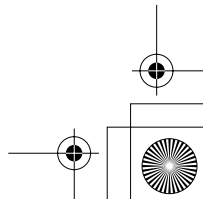
The service information included in this manual and the tools provided in the owner's tool kit are intended to assist with the performance of preventive maintenance and minor repairs. However, additional tools such as a torque wrench may be necessary to perform maintenance work correctly.

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

6-1



6



END MINOR REPAIR

EAU17710

chart

every year, except if a kilometer-based maintenance is performed in-

ervals starting from 6,000 km.

rmed by a Yamaha dealer as they require special tools, data and technical

MAINTENANCE JOB	ODOMETER READING (× 1,000 km)					ANNUAL CHECK
	1	6	12	18	24	
and vacuum hose for cracks or dam-		✓	✓	✓	✓	✓
		✓		✓		
			✓		✓	
e.		✓	✓	✓	✓	
		✓		✓		
			✓		✓	
	✓	✓	✓	✓	✓	
d level and vehicle for fluid leak- (following this chart.)	✓	✓	✓	✓	✓	✓
	Whenever worn to the limit					
adjust brake pedal free play.	✓	✓	✓	✓	✓	✓
	Whenever worn to the limit					
amage.		✓	✓	✓	✓	✓
(following this chart.)	Every 4 years					

ODIC MAINTENANCE AND MINOR REPAIR

MAINTENANCE JOB	ODOMETER READING (× 1,000 km)					ANNUAL CHECK
	1	6	12	18	24	
Check tightness and for damage. If necessary.		✓	✓	✓	✓	
Check and for damage. If necessary.		✓	✓	✓	✓	✓
Check looseness or damage.		✓	✓	✓	✓	
Check for excessive play.		✓	✓	✓	✓	
Apply molybdenum disulfide grease.	Every 24,000 km					
Check rear wheel is properly aligned.	Every 1,000 km and after washing the motorcycle or riding in the rain					
Check and steering for roughness.	✓	✓	✓	✓	✓	
Apply non-soap-based grease.	Every 24,000 km					
Check nuts, bolts and screws are properly tightened.		✓	✓	✓	✓	✓
Check chain tension.		✓	✓	✓	✓	✓
Check for oil leakage.	✓	✓	✓	✓	✓	✓
Check for oil leakage.		✓	✓	✓	✓	
Check shock absorbers for oil leakage.		✓	✓	✓	✓	
Check engine operation. Check speed.	✓	✓	✓	✓	✓	✓
Check vehicle for oil leakage.	✓	✓	✓	✓	✓	✓
Check vehicle for oil leakage.	✓		✓		✓	
Check vehicle for oil leakage.	✓	✓	✓	✓	✓	✓

6-3

ND MINOR REPAIR

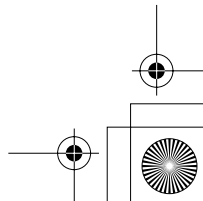
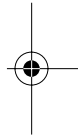
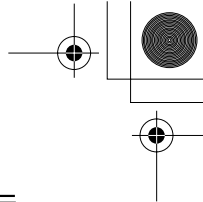
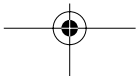
MAINTENANCE JOB	ODOMETER READING (× 1,000 km)					ANNUAL CHECK
	1	6	12	18	24	
		✓	✓	✓	✓	✓
n.	✓	✓	✓	✓	✓	✓

EAU18660

ou are riding in unusually wet or dusty areas.

he brake fluid level.
nents of the brake master cylinder and caliper, and change the brake fluid.
and if cracked or damaged.

6-4

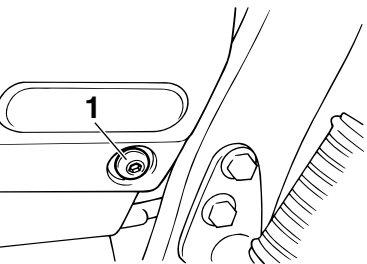


PERIODIC MAINTENANCE AND MINOR REPAIR

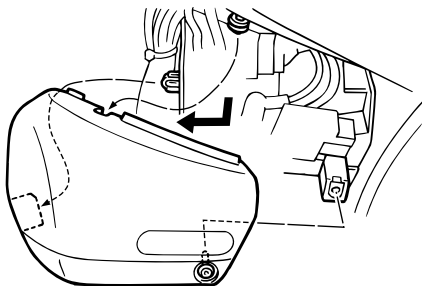
Go to this section each time a panel
has to be removed and installed.

EAU32471

A
To remove the panel
1. Remove the bolt.

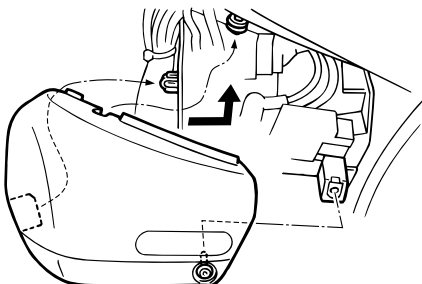


2. Pull the rear of the panel out, and
then slide the panel forward to re-
install it in the front.



To install the panel

1. Secure the front of the panel, and
then push the rear of the panel in.



2. Install the bolt.

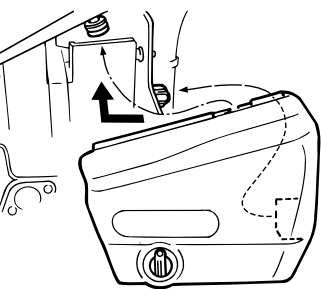
Panel B

To remove the panel

1. Slide the panel lock cover open, in-
sert the key into the lock, and then
turn it 1/4 turn clockwise.

END MINOR REPAIR

Push the rear of the panel in
with the key inserted in the lock.



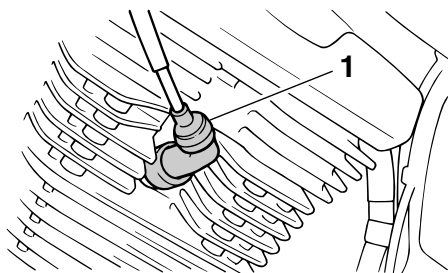
Turn the key counterclockwise to
its original position, remove it, and
close the panel lock cover.

Checking the spark plugs

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

To remove a spark plug

1. Remove the spark plug cap.



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

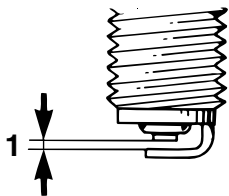
PERIODIC MAINTENANCE AND MINOR REPAIR

de erosion and excessive carbon or other deposits, and replace as necessary.

Specified spark plug:
NGK/CR7HSA
DENSO/U22FSR-U

Check a spark plug

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

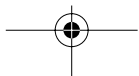


spark plug gap

Spark plug gap:
0.6–0.7 mm (0.024–0.028 in)

Clean the surface of the spark plug

6-7



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

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

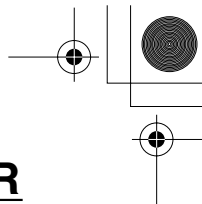
Tightening torque:

Spark plug:
12.5 Nm (1.25 m·kgf, 9 ft·lbf)

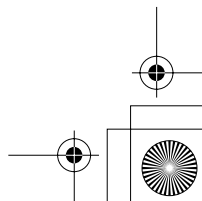
NOTE:

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

4. Install the spark plug cap.

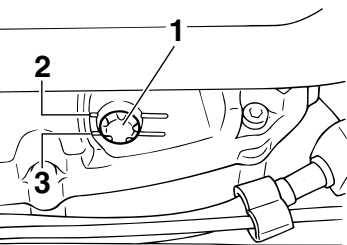


6



END MINOR REPAIR

Engine oil should be between the minimum and maximum level marks.



Engine oil level check window
Maximum level mark
Minimum level mark

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

Change the engine oil (with or without oil filter element replacement).

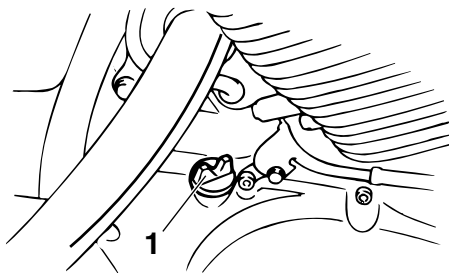
Start the engine, warm it up for several minutes, and then turn it off.

Place an oil pan under the engine.

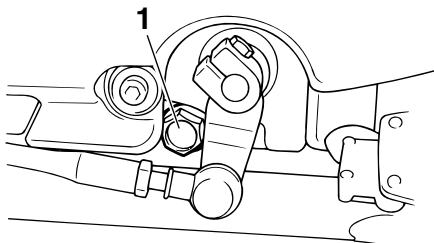
6-8

to collect the used oil.

3. Remove the engine oil filler cap and drain bolt to drain the oil from the crankcase.



1. Engine oil filler cap



1. Engine oil drain bolt

NOTE: Skip steps 4–6 if the oil filter element is replaced.

PERIODIC MAINTENANCE AND MINOR REPAIR

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

Tightening torque:

Oil filter element cover bolt:
10 Nm (1.0 m·kgf, 7.2 ft·lbf)

Make sure that the O-ring is properly

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

Tightening torque:

Engine oil drain bolt:
34 Nm (3.4 m·kgf, 24.5 ft·lbf)

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

Recommended engine oil:

See page 8-1.

Oil quantity:

With oil filter element replacement:

1.60 L (1.69 US qt)
(1.41 Imp.qt)

Without oil filter element replacement:

1.40 L (1.48 US qt)
(1.23 Imp.qt)

ECA11620

CAUTION:

- In order to prevent clutch slippage (since the engine oil also lubricates the clutch), do not mix any chemical additives. Do not use oils with a diesel specification of “CD” or oils of a higher quality than specified. In addition, do not use oils labeled “ENERGY CONSERVING II” or higher.
- Make sure that no foreign material enters the crankcase.

9. Start the engine, and then let it idle

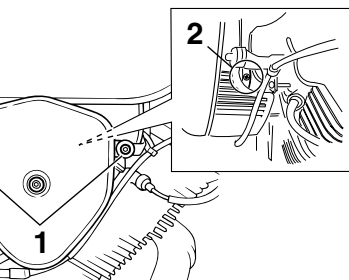
END MINOR REPAIR

EAU32401

Changing the air filter element

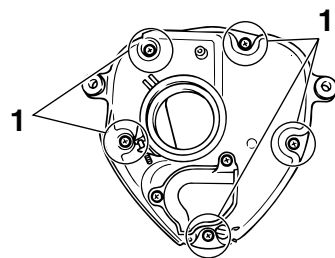
The air filter element should be cleaned at the intervals specified in the periodic maintenance and lubrication chart. Change the air filter element more frequently if you are riding in unusually dusty areas.

To remove the air filter case by releasing the bolts and loosening the clamp screw.



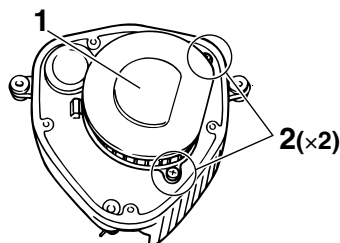
Loosen the screw

To remove the air filter case cover by loosening the screws.



1. Screw

3. Remove the air filter element by removing the screws.

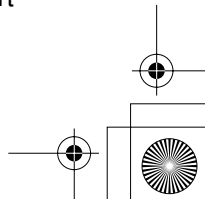
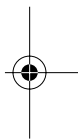
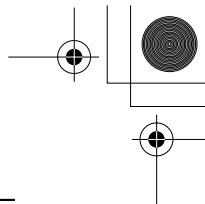
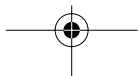


1. Air filter element

2. Screw

4. Lightly tap the air filter element to remove most of the dust and dirt, and then blow the remaining dirt

6-10



ODIC MAINTENANCE AND MINOR REPAIR

lling the screws.

tall the air filter case by install-
the bolts, then tightening the
mp screw.

Adjusting the carburetor

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

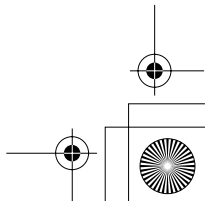
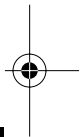
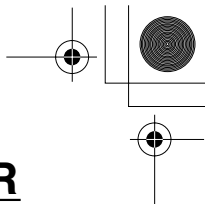
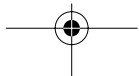
EAU21280

CAUTION:

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

ECA10550

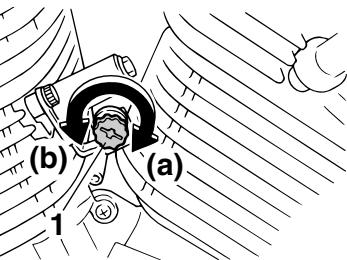
6



END MINOR REPAIR

EAU21380

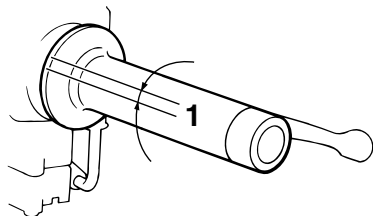
Adjusting the throttle cable free play



e stop screw

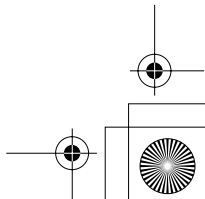
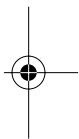
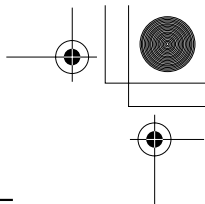
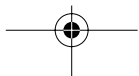
Engine idling speed:
250–1450 r/min

Specified idling speed cannot be
achieved as described above, have a
Yamaha dealer make the adjustment.



1. Throttle cable free play

The throttle cable free play should measure 3.0–5.0 mm (0.12–0.20 in) at the throttle grip. Periodically check the throttle cable free play and, if necessary, have a Yamaha dealer adjust it.



ODIC MAINTENANCE AND MINOR REPAIR

EAU21540

imize the performance, durabil-
safe operation of your motorcy-
e the following points regarding
cified tires.

pressure

air pressure should be checked
necessary, adjusted before each

EWA10500

WARNING

e tire air pressure must be
checked and adjusted on cold
es (i.e., when the temperature
the tires equals the ambient
nperature).

e tire air pressure must be ad-
usted in accordance with the
ing speed and with the total
eight of rider, passenger, car-
, and accessories approved
this model.

Tire air pressure (measured on cold tires):

0.0–90.0 kg (0–198 lb) :

Front:

175 kPa (25 psi) (1.75 kgf/cm²)

Rear:

200 kPa (29 psi) (2.00 kgf/cm²)

90.0–183.0 kg (198–404 lb) :

Front:

175 kPa (25 psi) (1.75 kgf/cm²)

Rear:

200 kPa (29 psi) (2.00 kgf/cm²)

Maximum load*:

183.0 kg (404 lb)

* Total weight of rider, passenger,
cargo and accessories

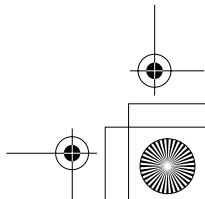
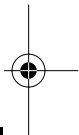
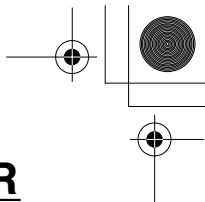
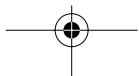
EWA11020



WARNING

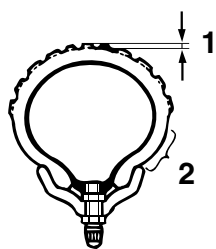
Because loading has an enormous
impact on the handling, braking,
performance and safety characteris-
tics of your motorcycle, you should
keep the following precautions in
mind.

- NEVER OVERLOAD THE MO-
TORCYCLE! Operation of an



END MINOR REPAIR

pection



ead depth
dewall

s must be checked before each
he center tread depth reaches
ified limit, if the tire has a nail or
gments in it, or if the sidewall is
, have a Yamaha dealer re-
e tire immediately.

imum tire tread depth (front
d rear):
.6 mm

tread depth limits may differ
untry to country. Always comply
local regulations.

6-14

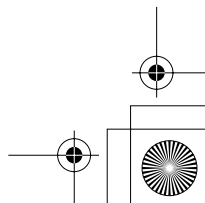
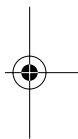
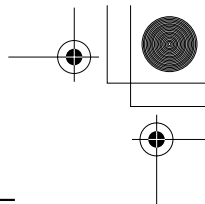
Tire information

This motorcycle is equipped with tube
tires.

EWA10460

WARNING

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



ODIC MAINTENANCE AND MINOR REPAIR

ge and experience.

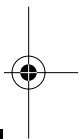
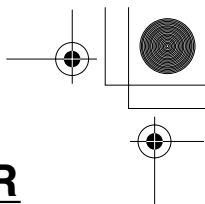
s not recommended to patch
punctured tube. If unavoid-
le, however, patch the tube
y carefully and replace it as
on as possible with a
h-quality product.

EAU21940

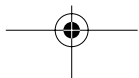
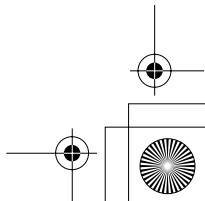
Spoke wheels

To maximize the performance, durabil-
ity, and safe operation of your motorcy-
cle, note the following points regarding
the specified wheels.

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



6



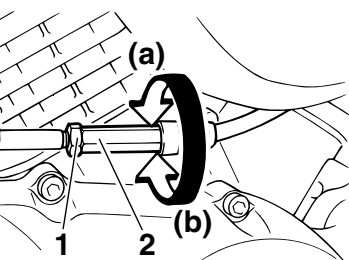
分

END MINOR REPAIR

the specified clutch lever free
y could be obtained as de-
bed above, tighten the locknut
l skip the rest of the procedure,
erwise proceed as follows.

y turn the adjusting bolt at the
ch lever in direction (a) to loos-
the clutch cable.

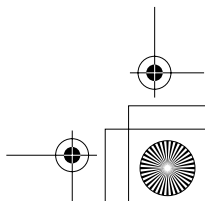
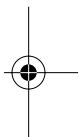
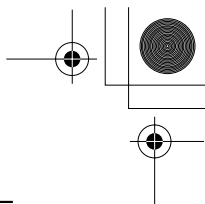
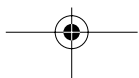
osen the locknut at the crank-
e.



ut (crankcase)
ing nut

increase the clutch lever free
y, turn the adjusting nut in direc-
(a). To decrease the clutch le-
free play, turn the adjusting nut
irection (b).

6-16



PERIODIC MAINTENANCE AND MINOR REPAIR

Loosen the locknut.

EWA10630

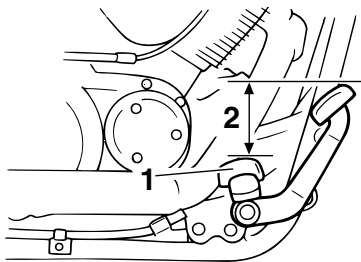
WARNING

After adjusting the brake lever free play, check the free play and make sure that the brake is working properly.

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

Adjusting the brake pedal position and free play

EAU22201



1. Footrest
2. Brake pedal position

EWA10670

WARNING

It is advisable to have a Yamaha dealer make these adjustments.

6

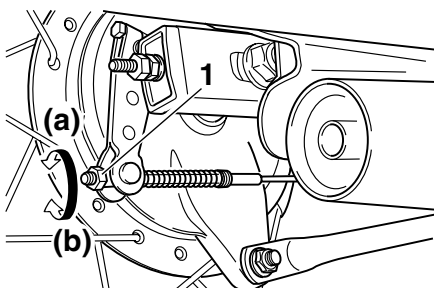
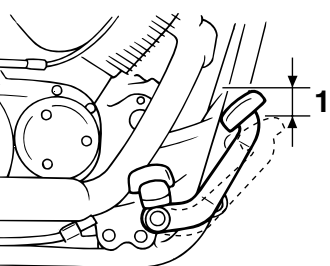
Brake pedal position

The top of the brake pedal should be positioned approximately 76.6 mm (3.02 in) above the top of the footrest as shown. Periodically check the brake pedal position and, if necessary, adjust it as follows.

1. Loosen the locknut at the brake

END MINOR REPAIR

the pedal free play and, if necessary, adjust it as follows.



1. Brake pedal free play adjusting nut

EWA10680

! WARNING

- After adjusting the drive chain slack or removing and installing the rear wheel, always check the brake pedal free play.
- If proper adjustment cannot be obtained as described, have a Yamaha dealer make this adjustment.
- After adjusting the brake pedal free play, check the operation of the brake light.

PERIODIC MAINTENANCE AND MINOR REPAIR

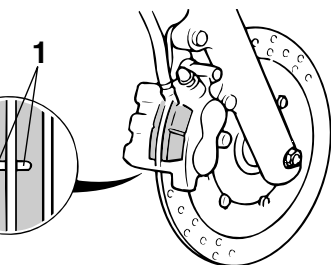
Checking the front brake pads and rear brake shoes

EAU22380

Front brake pads and the rear brake shoes must be checked for wear at the intervals specified in the periodic maintenance and lubrication chart.

EAU22420

Front brake pads



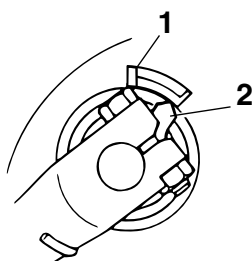
Wear indicator groove

The front brake pad is provided with a wear indicator groove, which allows you to check the brake pad wear without having to disassemble the brake. To check the brake pad wear, check the wear indicator groove. If a brake shoe is worn to the point that the wear indicator groove has almost disappeared,

have a Yamaha dealer replace the brake pads as a set.

EAU22540

Rear brake shoes



1. Wear limit line
2. Wear indicator

The rear brake is provided with a wear indicator, which allows you to check the brake shoe wear without having to disassemble the brake. To check the brake shoe wear, check the position of the wear indicator while applying the brake. If a brake shoe has worn to the point that the wear indicator reaches the wear limit line, have a Yamaha dealer replace the brake shoes as a set.

6

分

AND MINOR REPAIR

cylinder is level by turning the
dlebars.

e only the recommended quality
ke fluid, otherwise the rubber
ls may deteriorate, causing
kage and poor braking perfor-
nce.

commended brake fluid:
DOT 4

ill with the same type of brake
d. Mixing fluids may result in a
mful chemical reaction and
d to poor braking performance.

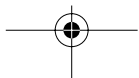
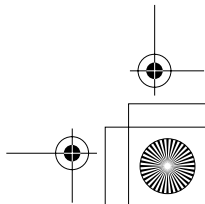
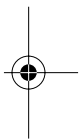
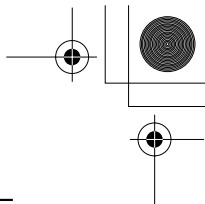
careful that water does not en-
the master cylinder when refill-

Water will significantly lower
boiling point of the fluid and
y result in vapor lock.

ke fluid may deteriorate paint-
surfaces or plastic parts. Al-
ys clean up spilled fluid
mediately.

the brake pads wear, it is nor-
for the brake fluid level to grad-
y go down. However, if the

brake fluid level goes down sud-
denly, have a Yamaha dealer
check the cause.



ODIC MAINTENANCE AND MINOR REPAIR

EAU22760

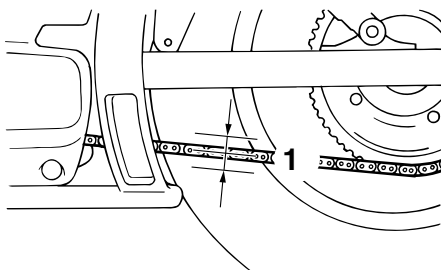
chain slack

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

EAU22770

Check the drive chain slack

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



1. Drive chain slack

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

EAU22821

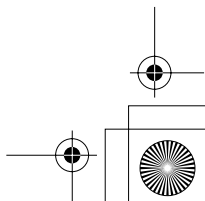
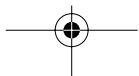
To adjust the drive chain slack

1. Loosen the brake pedal free play adjusting nut, axle nut, and locknut at each end of the swingarm.

6

Drive chain slack:

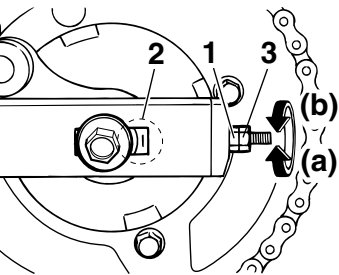
30.0–40.0 mm (1.18–1.57 in)



END MINOR REPAIR

swingarm in direction (b), and then
push the rear wheel forward.

the alignment marks on each
the swingarm, make sure that
the adjusting nuts are in the same po-
sition for proper wheel alignment.



chain slack adjusting nut

alignment marks

nut

ECA10570

WARNING:
Excessive drive chain slack will over-
load the engine as well as other vital
components of the motorcycle and can lead
to chain slippage or breakage. To
prevent this from occurring, keep

**the drive chain slack within the
specified limits.**

3. Tighten both locknuts and the axle
nut to the specified torques.

Tightening torques:

Locknut:

16 Nm (1.6 m·kgf, 11.6 ft·lbf)

Axle nut:

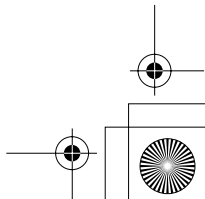
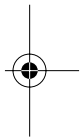
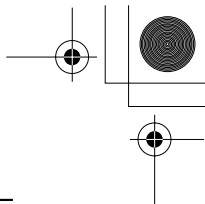
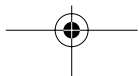
104 Nm (10.4 m·kgf, 75 ft·lbf)

4. Adjust the brake pedal free play.
(See page 6-17.)

EWA10660

! WARNING

**After adjusting the brake pedal free
play, check the operation of the
brake light.**



ODIC MAINTENANCE AND MINOR REPAIR

ECA11110

EAU23100

ON: _____
 Use engine oil or any other lu-
 s for the drive chain, as they
 contain substances that could
 e the O-rings.

Checking and lubricating the cables

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

Recommended lubricant:
 Engine oil

EWA10720

WARNING

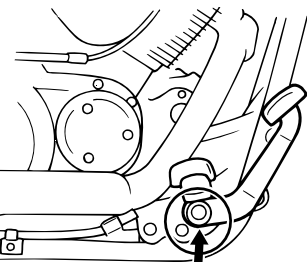
Damage to the outer sheath may interfere with proper cable operation and will cause the inner cable to rust. Replace a damaged cable as soon as possible to prevent unsafe conditions.

6

END MINOR REPAIR

EAU23131

Checking and lubricating the brake and shift pedals

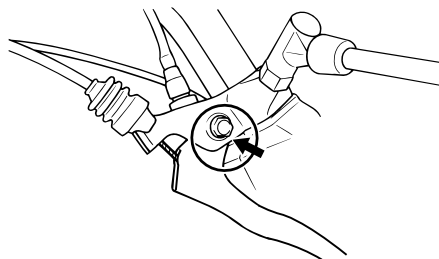


The operation of the brake and shift
pedals should be checked before each
ride, and the pedal pivots should be lu-
bricated if necessary.

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

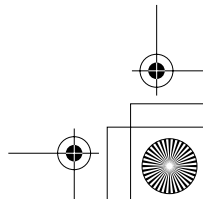
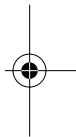
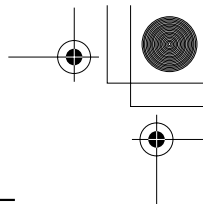
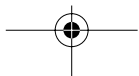
EAU23140

Checking and lubricating the brake and clutch levers



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

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



PERIODIC MAINTENANCE AND MINOR REPAIR

EAU23271

Checking the front fork

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

Check the condition

EWA10750

WARNING

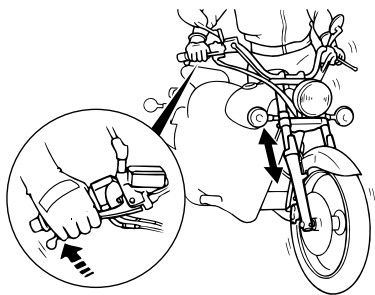
Properly support the vehicle so that there is no danger of it falling over.

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

Check the operation

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

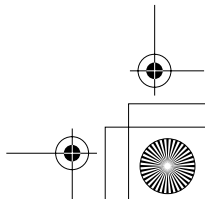
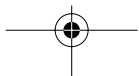
While applying the front brake, push down hard on the handlebars several times to check if the front fork compresses and rebounds smoothly.



ECA10590

CAUTION:

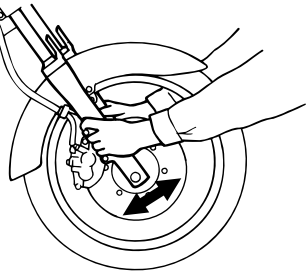
If any damage is found or the front fork does not operate smoothly, have a Yamaha dealer check or repair it.



分

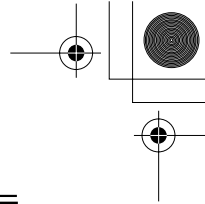
END MINOR REPAIR

EAU23290

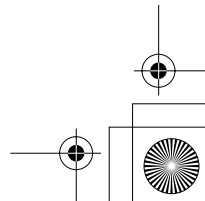
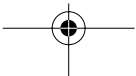


Checking the wheel bearings

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



6-26



ODIC MAINTENANCE AND MINOR REPAIR

EWA10760

WARNING

Electrolyte is poisonous and dangerous since it contains sulfuric acid, which causes severe burns. Avoid any contact with skin, eyes or clothing and always shield your eyes when working near batteries. In case of contact, administer the following FIRST AID.

EXTERNAL: Flush with plenty of water.

INTERNAL: Drink large quantities of water or milk and immediately call a physician.

EYES: Flush with water for 15 minutes and seek prompt medical attention.

Batteries produce explosive hydrogen gas. Therefore, keep away from sparks, flames, cigarettes, etc., and provide sufficient ventilation when charging it in an enclosed space.

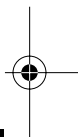
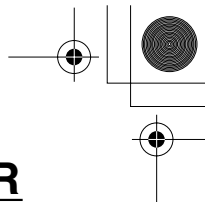
- **KEEP THIS AND ALL BATTERIES OUT OF THE REACH OF CHILDREN.**

To charge the battery

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

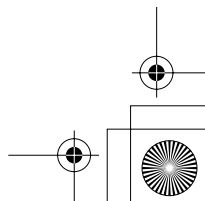
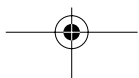
To store the battery

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



6

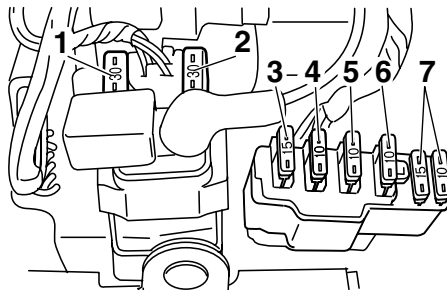
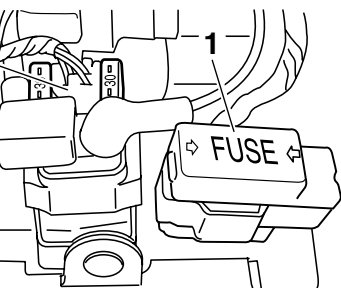
6-27



ND MINOR REPAIR

cing the fuses

EAU23522



1. Main fuse
2. Spare main fuse
3. Headlight fuse
4. Ignition fuse
5. Signaling system fuse
6. Carburetor heater fuse
7. Spare fuse

Specified fuses:

- Main fuse:
30.0 A
- Headlight fuse:
15.0 A
- Signaling system fuse:
10.0 A
- Ignition fuse:
10.0 A
- Carburetor heater fuse:
10.0 A

ECA10640

CAUTION:

Do not use a fuse of a higher amper-

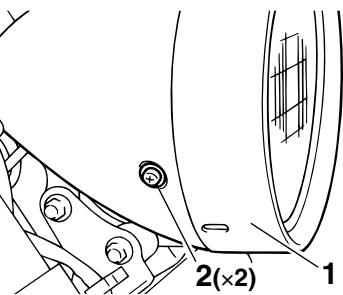
PERIODIC MAINTENANCE AND MINOR REPAIR

EAU23791

Replacing the headlight bulb

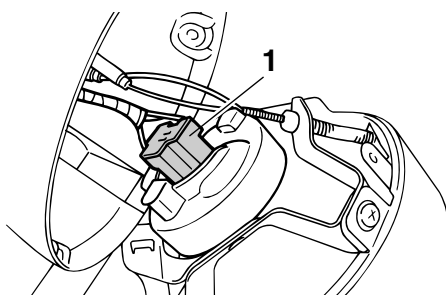
This model is equipped with a quartz headlight. If the headlight bulb is burnt out, replace it as follows.

1. Remove the headlight unit by removing the screws.

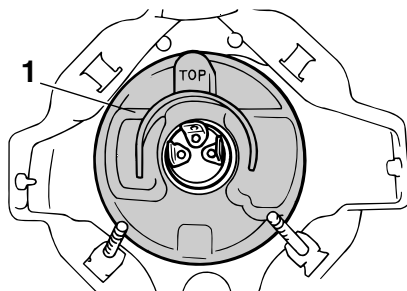


Headlight unit

2. Disconnect the headlight coupler, and then remove the bulb cover.

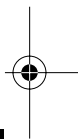
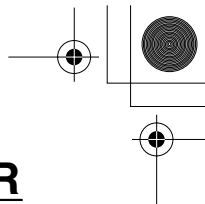


1. Headlight coupler

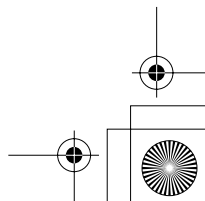
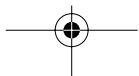


1. Bulb cover

3. Unhook the headlight bulb holder, and then remove the defective bulb.

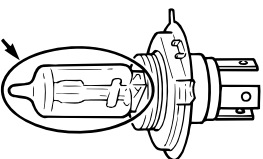


6



END MINOR REPAIR

bulb life will be adversely af-
Thoroughly clean off any dirt
gerprints on the headlight
ing a cloth moistened with al-
r thinner.



touch the glass part of the bulb.

all the headlight bulb cover,
then connect the coupler.

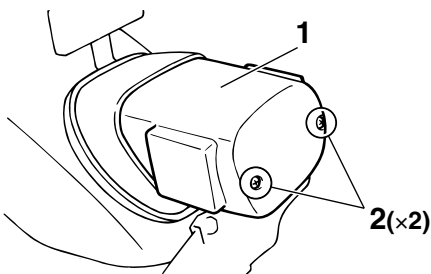
all the headlight unit by install-
the screws.

ve a Yamaha dealer adjust the
dlight beam if necessary.

Replacing the tail/brake light bulb

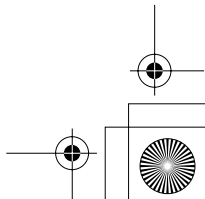
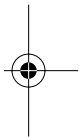
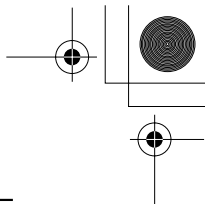
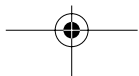
EAU24131

1. Remove the tail/brake light lens by removing the screws.



1. Tail/brake light lens
2. Screw

2. Remove the defective bulb by pushing it in and turning it counter-clockwise.



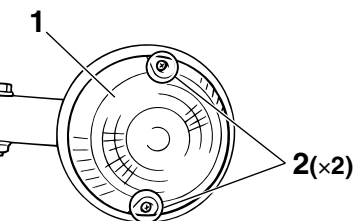
分

ODIC MAINTENANCE AND MINOR REPAIR

EAU24210

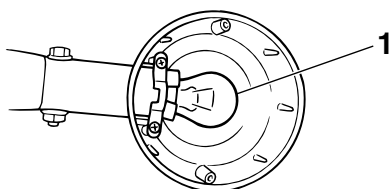
cing a turn signal light

move the turn signal lens by re-
moving the screws.



signal light lens

move the defective bulb by
pushing it in and turning it counter-
clockwise.



1. Turn signal light bulb

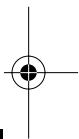
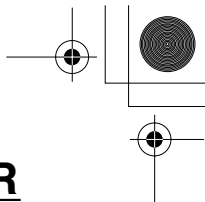
3. Insert a new bulb into the socket,
push it in, and then turn it clock-
wise until it stops.

4. Install the lens by installing the
screws.

ECA10680

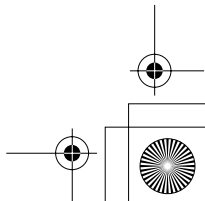
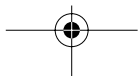
CAUTION:

**Do not overtighten the screws, oth-
erwise the lens may break.**



6

6-31



ND MINOR REPAIR

front of the rear wheel or under
le of the swingarm.

Front wheel

To remove the front wheel

EAU24360

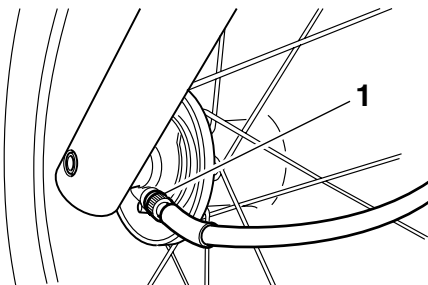
EAU24600

EWA10820

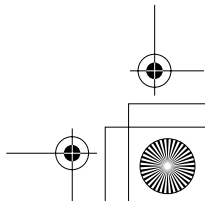
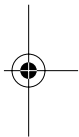
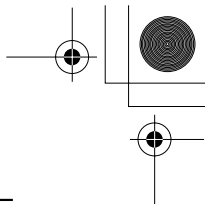
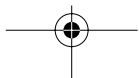
WARNING

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

1. Disconnect the speedometer cable from the front wheel.

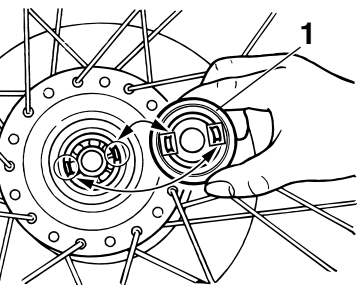


1. Speedometer cable
2. Loosen the front wheel axle pinch bolt, then the wheel axle.



ODIC MAINTENANCE AND MINOR REPAIR

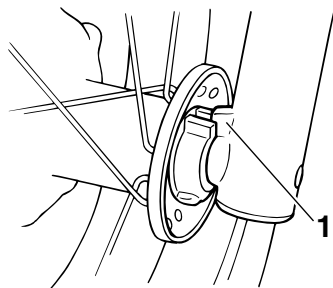
tions mesh with the slots.



speedometer gear unit

the wheel up between the fork
s.

ure that there is enough space
n the brake pads before insert-
brake disc and that the slot in
speedometer gear unit fits over the
on the fork leg.



1. Retainer

3. Insert the wheel axle.
4. Lower the front wheel so that it is on the ground.
5. Tighten the wheel axle to the specified torque.

6

Tightening torque:

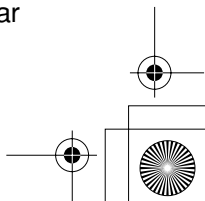
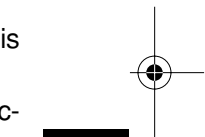
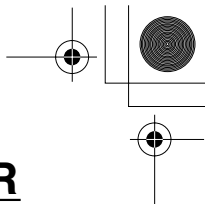
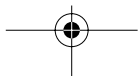
Wheel axle:
59 Nm (5.9 m·kgf, 42.7 ft·lbf)

6. Tighten the front wheel axle pinch bolt to the specified torque.

Tightening torque:

Front wheel axle pinch bolt:
20 Nm (2.0 m·kgf, 14.5 ft·lbf)

7. Push down hard on the handlebar



END MINOR REPAIR

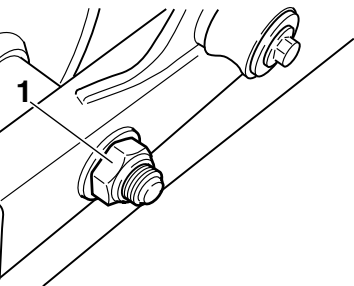
Wheel

Remove the rear wheel

WARNING

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

Loosen the axle nut and the brake torque rod nut at the brake shoe plate.



ut

Put the rear wheel off the ground according to the procedure on page 6-32.

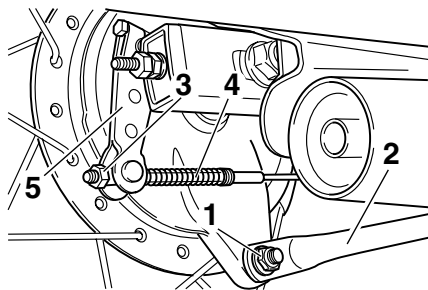
6-34

EAU25080

EAU25430

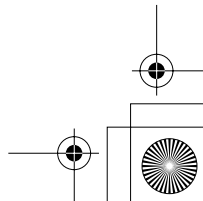
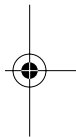
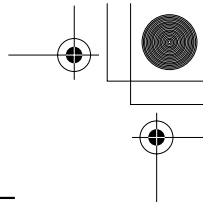
EWA10820

3. Disconnect the brake torque rod from the brake shoe plate by removing the nut and the bolt.
4. Remove the brake pedal free play adjusting nut, and then disconnect the brake rod at the brake camshaft lever.



1. Brake torque rod bolt and nut
2. Brake torque rod
3. Brake pedal free play adjusting nut
4. Brake rod
5. Brake camshaft lever

5. Loosen the locknut and the drive chain adjusting nut on both ends of the swingarm.



分

ODIC MAINTENANCE AND MINOR REPAIR

e nut.

tall the drive chain onto the rear
rocket, and then adjust the drive
ain slack. (See page 6-21.)

wer the rear wheel so that it is
the ground.

tall the brake rod onto the brake
mshaft lever, and then install the
ake pedal free play adjusting nut
to the brake rod.

nnect the brake torque rod to
e brake shoe plate by installing
e bolt and the nut, and then tight-
the nut to the specified torque.

tening torque:

ake torque rod nut:

23 Nm (2.3 m·kgf, 17 ft·lbf)

hten the axle nut to the speci-
d torque.

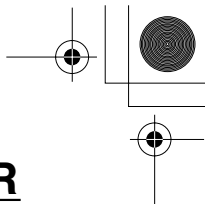
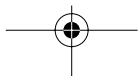
tening torque:

le nut:

104 Nm (10.4 m·kgf, 75 ft·lbf)

just the brake pedal position
d free play. (See page 6-17.)

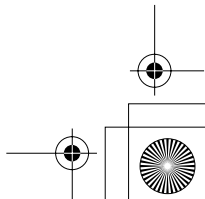
6-35



**After adjusting the brake pedal free
play, check the operation of the
brake light.**

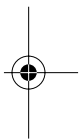
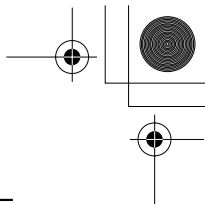
EWA10660

6

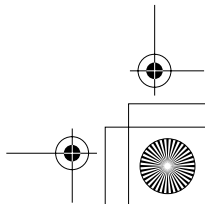
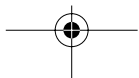


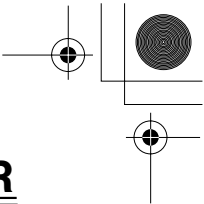
分

ND MINOR REPAIR



6-36



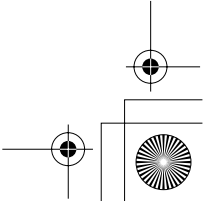
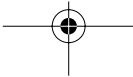
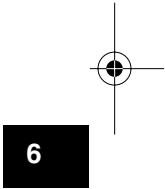
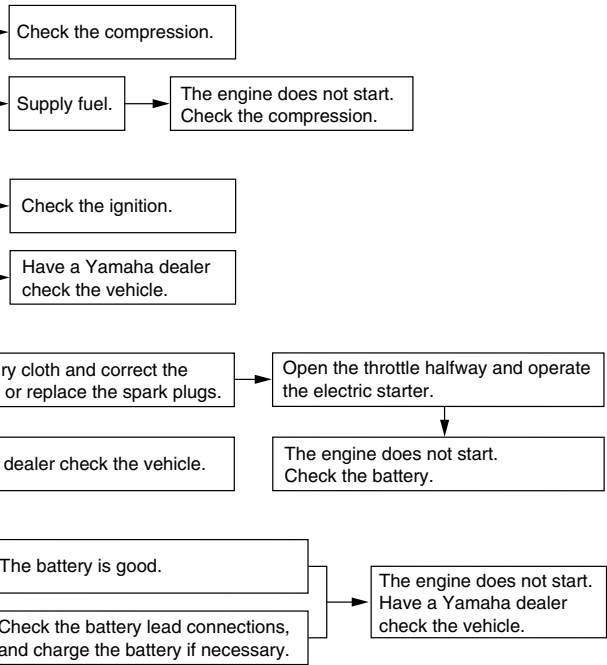


ODIC MAINTENANCE AND MINOR REPAIR

EAU25891

EWA10840

ile checking or working on the fuel system.



TORAGE

sh, but never apply such prod-
s onto seals, gaskets, sprock-
the drive chain and wheel
es. Always rinse the dirt and de-
aser off with water.

g

ECA10770

ON:

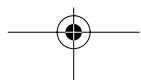
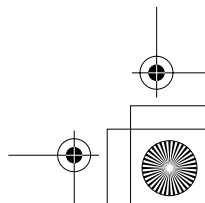
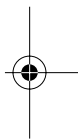
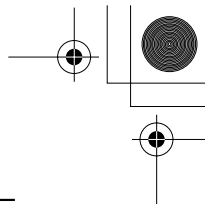
oid using strong acidic wheel
aners, especially on spoked
eels. If such products are
d on hard-to-remove dirt, do
leave the cleaner on the af-
ted area any longer than in-
dicted. Also, thoroughly rinse
area off with water, immedi-
ly dry it, and then apply a cor-
ion protection spray.

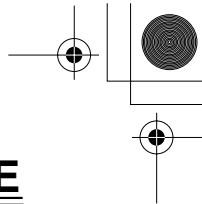
proper cleaning can damage
dshields, cowlings, panels
d other plastic parts. Use only
soft, clean cloth or sponge
n mild detergent and water to
an plastic.

not use any harsh chemical
ducts on plastic parts. Be
e to avoid using cloths or

sponges which have been in
contact with strong or abrasive
cleaning products, solvent or
thinner, fuel (gasoline), rust re-
movers or inhibitors, brake flu-
id, antifreeze or electrolyte.

- Do not use high-pressure wash-
ers or steam-jet cleaners since
they cause water seepage and
deterioration in the following ar-
eas: seals (of wheel and swing-
arm bearings, fork and brakes),
electric components (couplers,
connectors, instruments,
switches and lights), breather
hoses and vents.
- For motorcycles equipped with
a windshield: Do not use strong
cleaners or hard sponges as
they will cause dulling or
scratching. Some cleaning com-
pounds for plastic may leave
scratches on the windshield.
Test the product on a small hid-
den part of the windshield to
make sure that it does not leave





MOTORCYCLE CARE AND STORAGE

and a mild detergent, after the engine has cooled down.

ECA10790

ON:

use warm water since it in-
s the corrosive action of the

er drying the motorcycle, apply corrosion protection spray on all metal, including chrome- and nickel-plated, surfaces to prevent corrosion.

cleaning

y the motorcycle with a chamois or an absorbing cloth.

mediately dry the drive chain and lubricate it to prevent it from rusting.

Use a chrome polish to shine chrome, aluminum and stainless-steel parts, including the exhaust system. (Even the thermally induced discoloring of stainless-steel exhaust systems can be removed through polishing.)

to prevent corrosion, it is recom-

mended to apply a corrosion protection spray on all metal, including chrome- and nickel-plated, surfaces.

5. Use spray oil as a universal cleaner to remove any remaining dirt.
6. Touch up minor paint damage caused by stones, etc.
7. Wax all painted surfaces.
8. Let the motorcycle dry completely before storing or covering it.

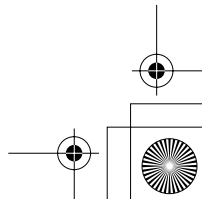
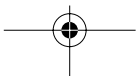
EWA10930

WARNING

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

7

7-2



TORAGE

EAU26190

Storage term
Store your motorcycle in a cool, dry place and, if necessary, protect it from dust with a porous cover.

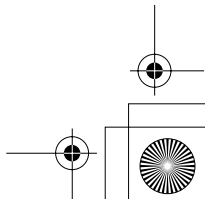
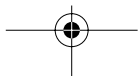
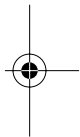
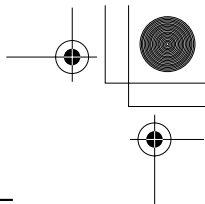
ECA10810

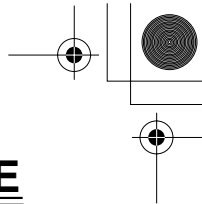
Preparation:
When storing the motorcycle in a poorly ventilated room or covering it with a tarp, while it is still outdoors, will allow water and humidity to seep in and cause rust. To prevent corrosion, avoid storing in damp cellars, stables (because of the presence of ammonia) or areas where strong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

Storage term
When storing your motorcycle for several months:
Follow all the instructions in the "Preparation" section of this chapter.
For motorcycles equipped with a fuel cock that has an "OFF" position: Turn the fuel cock lever to "OFF".

7-3

3. Drain the carburetor float chamber by loosening the drain bolt; this will prevent fuel deposits from building up. Pour the drained fuel into the fuel tank.
4. Fill up the fuel tank and add fuel stabilizer (if available) to prevent the fuel tank from rusting and the fuel from deteriorating.
5. Perform the following steps to protect the cylinders, piston rings, etc. from corrosion.
 - a. Remove the spark plug caps and spark plugs.
 - b. Pour a teaspoonful of engine oil into each spark plug bore.
 - c. Install the spark plug caps onto the spark plugs, and then place the spark plugs on the cylinder head so that the electrodes are grounded. (This will limit sparking during the next step.)
 - d. Turn the engine over several times with the starter. (This will coat the cylinder walls with oil.)
 - e. Remove the spark plug caps





MOTORCYCLE CARE AND STORAGE

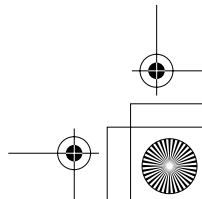
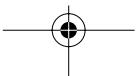
ce and charge it once a month.
not store the battery in an ex-
cessively cold or warm place (less
than 0 °C or more than 30 °C). For
more information on storing the
battery, see page 6-27.

any necessary repairs before
the motorcycle.



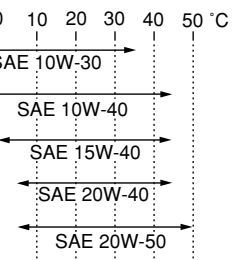
7

7-4



Oil:

SAE 10W30 or SAE10W40 or SAE15W40
SAE20W40 or SAE20W50



Recommended engine oil grade:
Service SE, SF, SG type or higher

Oil quantity:

Oil filter element replacement:

Oil (1.48 US qt) (1.23 Imp.qt)

Oil filter element replacement:

Oil (1.69 US qt) (1.41 Imp.qt)

Oil:

Oil element:

Oil element

Recommended fuel:

Regular unleaded gasoline only

Oil capacity:

Oil (2.91 US gal) (2.42 Imp.gal)

Service amount:

Oil (0.90 US gal) (0.75 Imp.gal)

8-1

Carburetor:

Manufacturer:

MIKUNI

Type x quantity:

BDS26 x 1

Spark plug(s):

Manufacturer/model:

NGK/CR7HSA

Manufacturer/model:

DENSO/U22FSR-U

Spark plug gap:

0.6–0.7 mm (0.024–0.028 in)

Clutch:

Clutch type:

Wet, multiple-disc

Transmission:

Primary reduction system:

Spur gear

Primary reduction ratio:

85/25 (3.400)

Secondary reduction system:

Chain drive

Secondary reduction ratio:

59/16 (3.688)

Transmission type:

Constant mesh 5-speed

Operation:

Left foot operation

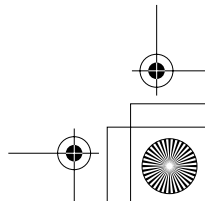
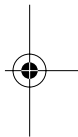
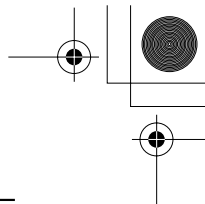
Gear ratio:

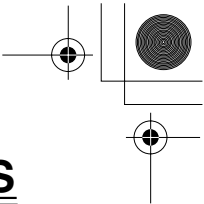
1st:

37/14 (2.643)

2nd:

32/19 (1.684)





SPECIFICATIONS

g:
um load:
.0 kg (404 lb)
eight of rider, passenger, cargo
cessories)
pressure (measured on cold

g condition:
-90.0 kg (0-198 lb)
kPa (25 psi) (1.75 kgf/cm²)
kPa (29 psi) (2.00 kgf/cm²)
g condition:
-183.0 kg (198-404 lb)
kPa (25 psi) (1.75 kgf/cm²)
kPa (29 psi) (2.00 kgf/cm²)

Wheel:
type:
oke wheel
ze:
1.60
heel:
type:
oke wheel
ze:
/C x MT3.00

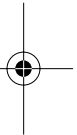
Front brake:
Type:
Single disc brake
Operation:
Right hand operation
Recommended fluid:
Dot 4

Rear brake:
Type:
Drum brake
Operation:
Right foot operation

Front suspension:
Type:
Telescopic fork
Spring/shock absorber type:
Coil spring/oil damper
Wheel travel:
140.0 mm (5.51 in)

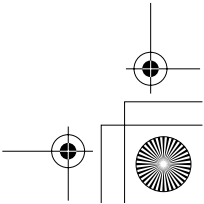
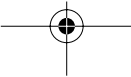
Rear suspension:
Type:
Swingarm
Spring/shock absorber type:
Coil spring/oil damper
Wheel travel:
100.0 mm (3.94 in)

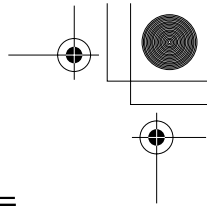
Electrical system:
Ignition system:
Transistorized coil ignition (digital)
Charging system:
A.C. magneto



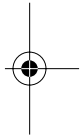
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8-2

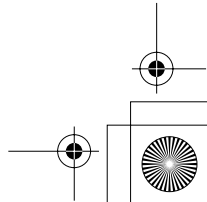




ght fuse:
A
ng system fuse:
A
fuse:
A
etor heater fuse:
A



8-3

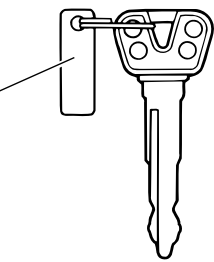


CONSUMER INFORMATION

EAU26380

EAU26400

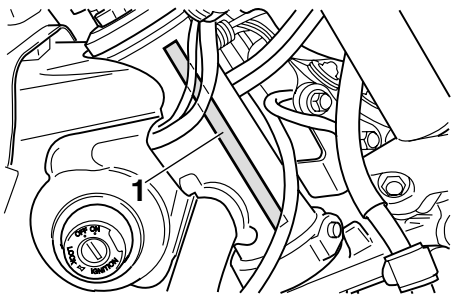
Identification number



Identification number

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

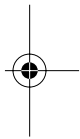
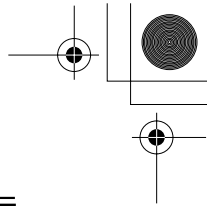
Vehicle identification number



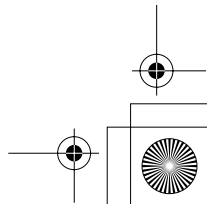
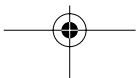
1. Vehicle identification number

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

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




9-2





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