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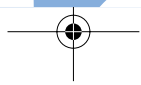
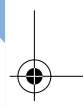
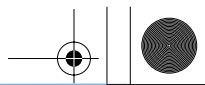


OWNER'S MANUAL

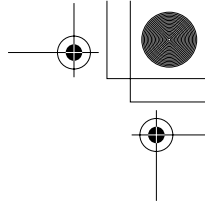
XT250

**XT250X
XT250XC**

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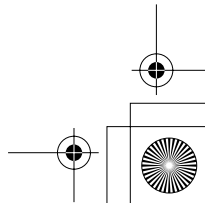
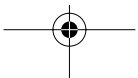
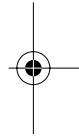


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⚠ WARNING

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

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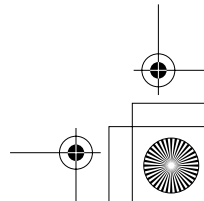
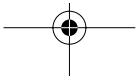
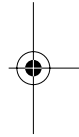
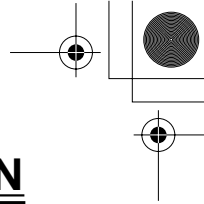
INTRODUCTION

EAU10080

XT250X/XT250XC. This model is the result of Yamaha's vast experience in setting racing machines. It represents the high degree of craftsmanship in these fields.

For the operation, inspection, and basic maintenance of this motorcycle. If you need maintenance of your motorcycle, please consult a Yamaha dealer.

The motorcycle fully complies with the emissions standards for clean air applicable in these standards without reducing the performance or economy of operation of the motorcycle. It is important that you and your Yamaha dealer pay close attention to the operating instructions contained within this manual.



FORMATION

EAU10131

In this manual by the following notations:

Attention symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS

WARNING instructions could result in severe injury or death to the rider, a bystander or a person inspecting or repairing the motorcycle.

Notes special precautions that must be taken to avoid damage to

any information to make procedures easier or clearer.

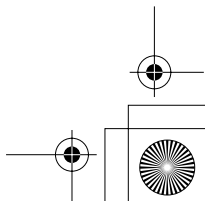
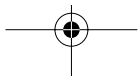
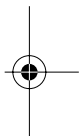
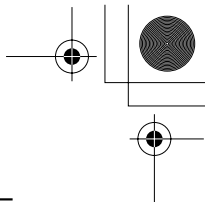
ent part of this motorcycle and should remain with it even if the motorcycle

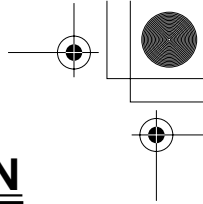
product design and quality. Therefore, while this manual contains the most
ne of printing, there may be minor discrepancies between your motorcycle
concerning this manual, please consult your Yamaha dealer.

EWA10010

**AND YOUR MOTORCYCLE: RIDING TIPS” BOOKLET CAREFULLY
S MOTORCYCLE. DO NOT ATTEMPT TO OPERATE THIS MOTORCY-
E KNOWLEDGE OF ITS CONTROLS AND OPERATING FEATURES
FE AND PROPER RIDING TECHNIQUES. REGULAR INSPECTIONS
GOOD RIDING SKILLS, WILL ENSURE THAT YOU SAFELY ENJOY
THIS MOTORCYCLE.**

without notice.

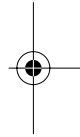




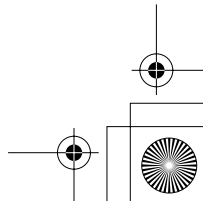
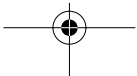
IMPORTANT MANUAL INFORMATION

EAU10192

AFFIX DEALER
LABEL HERE



**XT250X/XT250XC
OWNER'S MANUAL**
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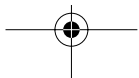
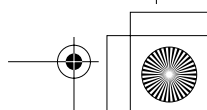
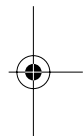
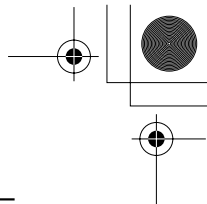
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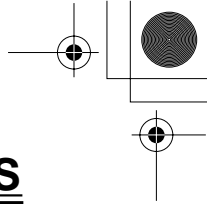
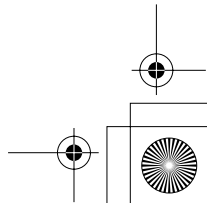
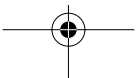
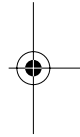


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HA EXTENDED SERVICE
(E.S.) 9-9



NS.

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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
rself 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

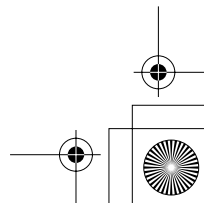
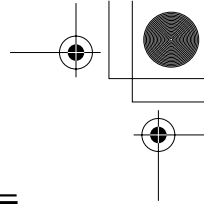
intersections, since intersec-
ions are the most likely places

for motorcycle accidents to oc-
cur.

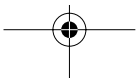
ide where other motorists can
see you. Avoid riding in another

motorist's blind spot.

- Many 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 accidents have been caused by error of the motorcycle operator. A typical error made by the operator is veering wide on a turn due to EXCESSIVE SPEED or undercornering (insufficient lean angle for the speed).
 - Always obey the speed limit and never travel faster than warrant-



1-1



SAFETY INFORMATION

reduction of head injuries. Always wear an approved helmet. Wear a face shield or goggles. Do not look in your unprotected eyes. This could contribute to an impairment of vision that 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, arms, and feet.

Passengers should also observe the precautions mentioned above.

Modifications

Modifications made to this motorcycle not approved by Yamaha, or the replacement 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

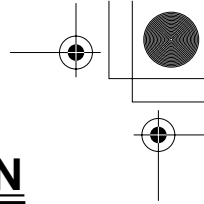
Adding accessories or cargo to your motorcycle can adversely affect stability and handling if the weight distribution of the motorcycle is changed. To avoid the possibility of an accident, use extreme caution when adding cargo or accessories to your motorcycle. Use extra care when riding a motorcycle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

Loading

The total weight of the operator, passenger, accessories and cargo must not exceed the maximum load limit.

Maximum load: 160 kg (353 lb)

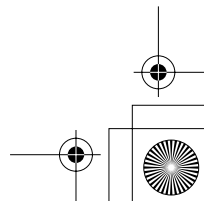
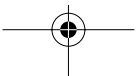
When loading within this weight limit, keep the following in mind:



1



1-2



h and use of non-Yamaha
ies. Use extreme caution
lecting and installing any ac-
s.

he 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
el or control operation, or ob-
re lights or reflectors.

ccessories fitted to the handle-
ar or the front fork area can
reate instability due to improper
eight distribution or aerody-
amic changes. If accessories
re added to the handlebar or
ont fork area, they must be as
ghtweight as possible and
ould be kept to a minimum.

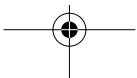
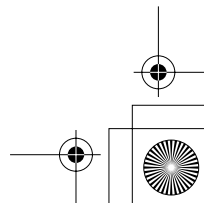
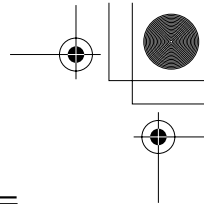
ulky or large accessories may
eriously affect the stability of

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
not recommended.
- Use caution when adding electri-
cal accessories. If electrical acces-
sories exceed the capacity of the
motorcycle's electrical system, an
electric failure could result, which
could cause a dangerous loss of
lights or engine power.

Gasoline and exhaust gas

- GASOLINE IS HIGHLY FLAMMA-
BLE:
 - Always turn the engine off when



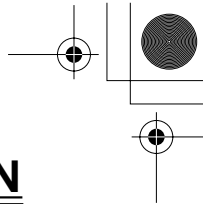
SAFETY INFORMATION

...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 tank(s) are turned to "ON" or "RES" (for vacuum type)/"OFF" (for manual type). If the motorcycle should lean over, gasoline may leak out of the carburetor or fuel tank.

You should not swallow any gasoline, inhale a lot of gasoline vapor, or allow gasoline to get into your eyes; if you do, see your doctor immediately.

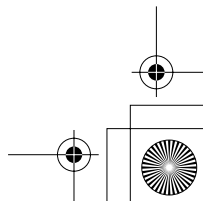
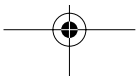
If any gasoline spills on your skin or clothing, immediately wash the affected area with soap and water and change your clothes.

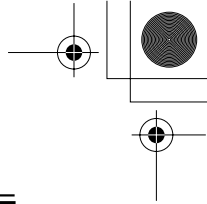


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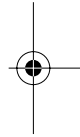
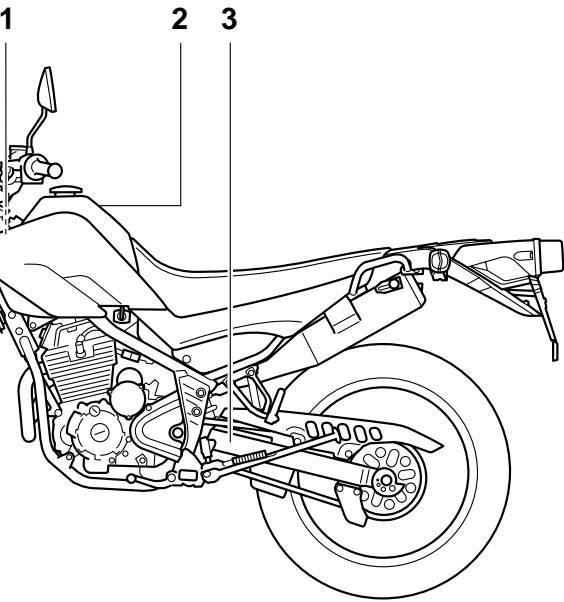
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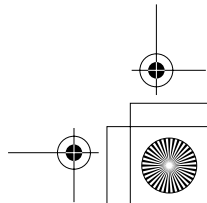
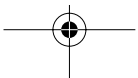


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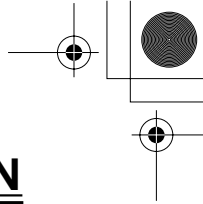
y before operating this vehicle.



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SAFETY INFORMATION

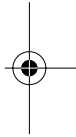


3

TIRE INFORMATION	
Cold tire normal pressure should be set as follows.	
• Up to 90 kg (198 lbs) load	
FRONT	: 125 kPa, {1.25 kgf/cm ² }, 18 psi
REAR	: 150 kPa, {1.50 kgf/cm ² }, 22 psi
• 90 kg (198 lbs)~maximum load	
FRONT	: 150 kPa, {1.50 kgf/cm ² }, 22 psi
REAR	: 175 kPa, {1.75 kgf/cm ² }, 25 psi

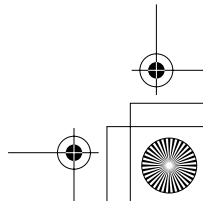
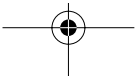
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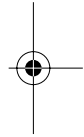
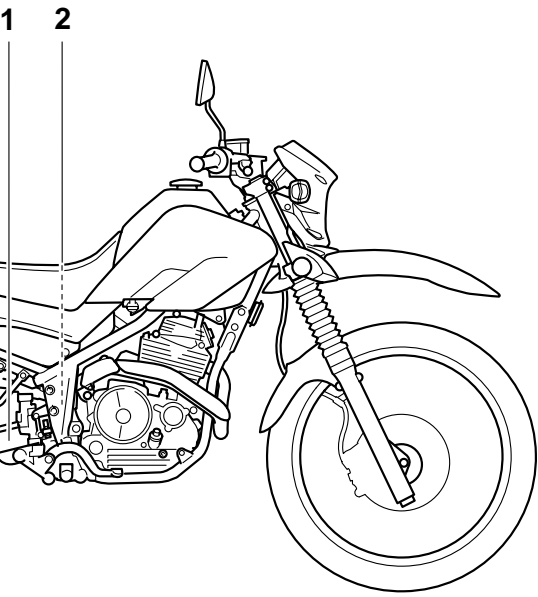
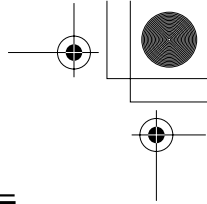
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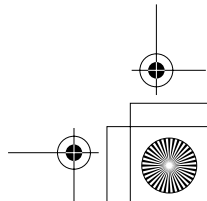
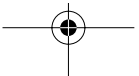
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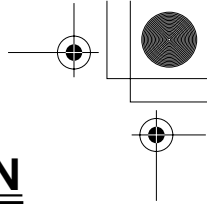




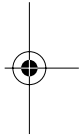
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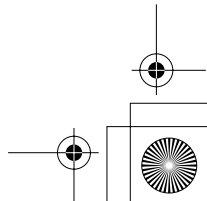
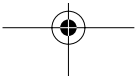
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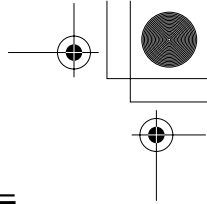
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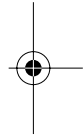
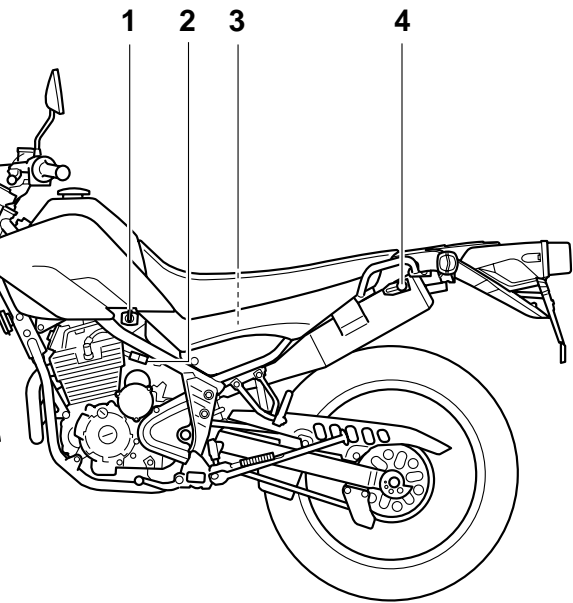
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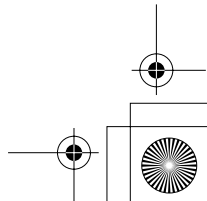
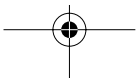
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EAU10410

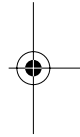
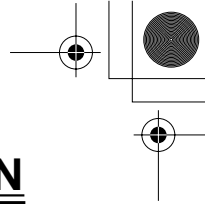
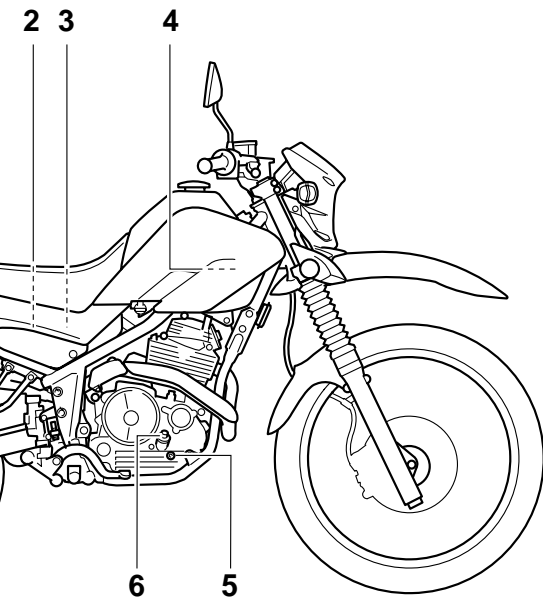


2-1

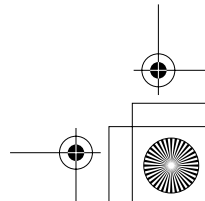
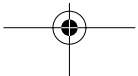


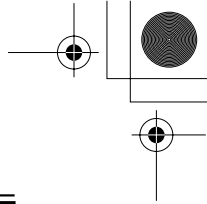
DESCRIPTION

EAU10420

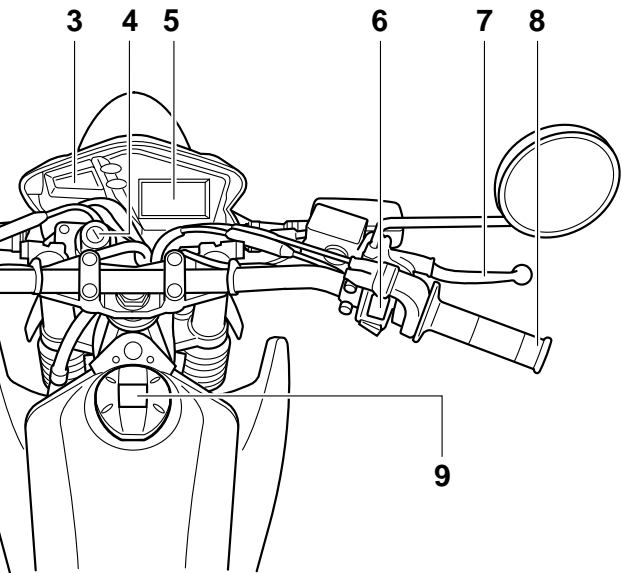


2-2

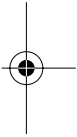




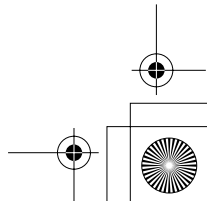
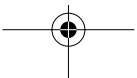
EAU10430



9. Fuel tank cap (page 3-6)



2-3



INSTRUMENT AND CONTROL FUNCTIONS

ine stalls.

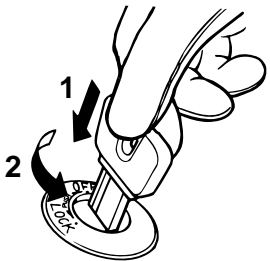
EAU10660

trical systems are off. The key removed.

EAU10690

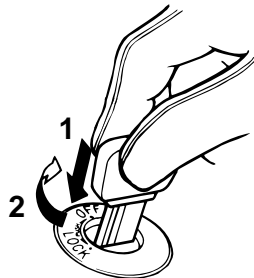
ering is locked, and all electrical s are off. The key can be re-

the steering



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

To unlock the steering



1. Push.
2. Turn.

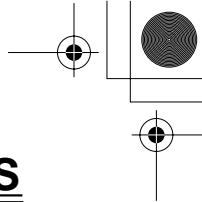
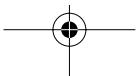
Push the key into the main switch, and then turn it to "OFF" while still pushing it.

EWA10060

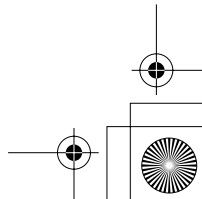
⚠ WARNING

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

3-1



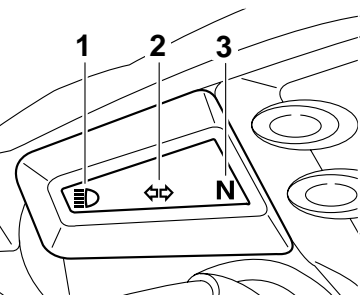
3





L FUNCTIONS

Indicator lights

EAU10980



High beam indicator light “”

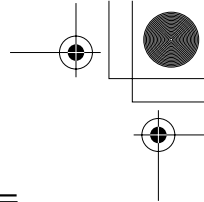
Signal indicator light “”

Neutral indicator light “**N**”

High beam indicator light “”

EAU11090

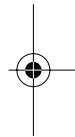
This indicator light comes on when the high beam of the headlight is switched on.



Signal indicator light “”

EAU11020

This indicator light flashes when the signal switch is pushed to the left or right.

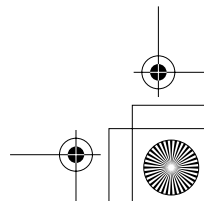
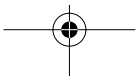


Neutral indicator light “**N**”

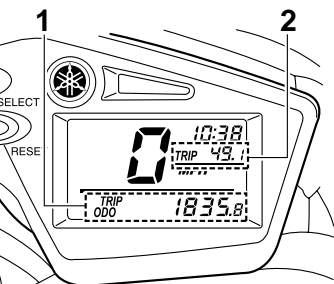
EAU11060

This indicator light comes on when the transmission is in the neutral position.

3-2



INSTRUMENT AND CONTROL FUNCTIONS



meter/tripmeter (bottom)
meter (top)

multi-function display is equipped
following:

- speedometer (which shows the
ing speed)
- odometer (which shows the to-
distance traveled)
- two tripmeters (which show the
distance traveled since they were
t set to zero)
- clock

sure to turn the key to "ON" be-
e using the "SELECT" and "RE-
T" buttons.

hen the key is turned to "ON", all
the display segments of the

multi-function display will appear
one after the other and then disap-
pear, in order to test the electrical
circuit.

- To switch the speedometer and
odometer/tripmeter displays be-
tween miles and kilometers, press
the "SELECT" button for at least
two seconds.

3

Odometer, clock and tripmeter modes

Pushing the "SELECT" button switches
the display between the odometer
mode "ODO" and the tripmeter modes
"TRIP" in the following order:

ODO → TRIP (top) → TRIP (bottom) →
ODO

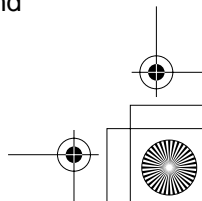
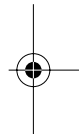
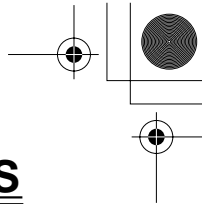
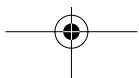
To reset a tripmeter, select it by push-
ing the "SELECT" button until "TRIP"
begins flashing ("TRIP" will only flash
for five seconds). While "TRIP" is flash-
ing, push the "RESET" button for at
least one second.

Clock mode

To set the clock:

1. Push the "SELECT" button and

3-3

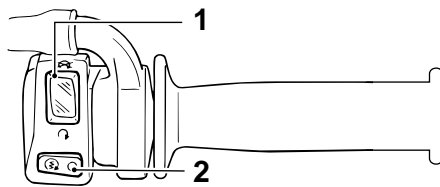
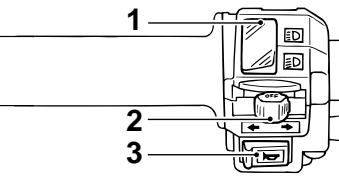





FUNCTIONS


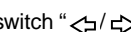
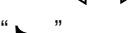


Control switches

EAU12347

Right

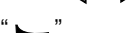



1. Engine stop switch “/
2. Start switch “

- 3. Dimmer switch “/
- 4. Turn signal switch “/
- 5. Horn switch “



EAU12400

Dimmer switch “/

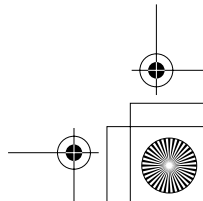
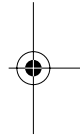
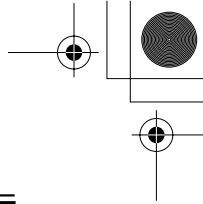
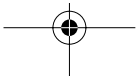
Set this switch to “” for the high beam and to “” for the low beam.

EAU12460

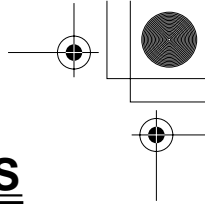
Turn signal switch “/

To signal a right-hand turn, push this switch to “”. To signal a left-hand turn, push this switch to “”. When released, the switch returns to the center position. To cancel the turn signal lights, push the switch in after it has returned to the center position.

3-4

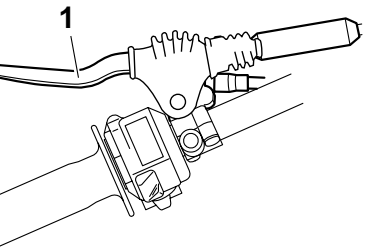


INSTRUMENT AND CONTROL FUNCTIONS



Clutch lever

EAU12820

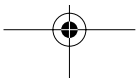


Clutch lever

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

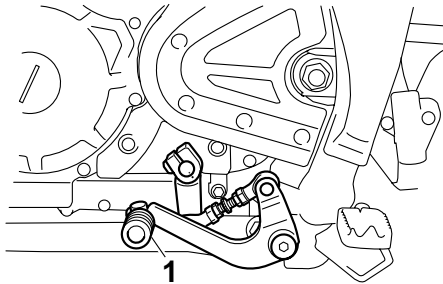
The clutch lever is equipped with a kill switch, which is part of the ignition circuit cut-off system. (See page 12.)

3-5



Shift pedal

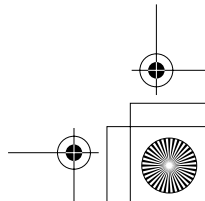
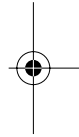
EAU12870



1. Shift pedal

The shift pedal is located on the left side of the engine and is used in combination with the clutch lever when shifting the gears of the 5-speed constant-mesh transmission equipped on this motorcycle.

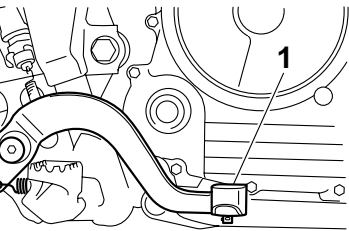
3



FUNCTIONS

pedal

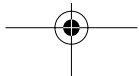
EAU12941



pedal

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

3-6

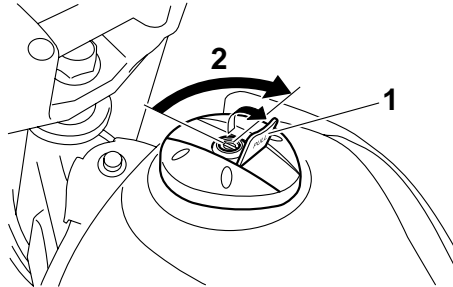


Fuel tank cap

EAUM1792

To remove the fuel tank cap

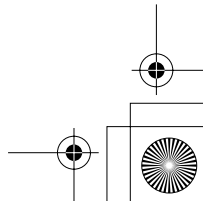
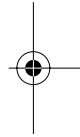
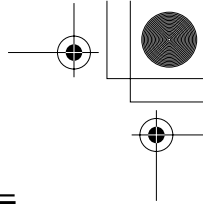
1. Open the fuel tank cap lock cover.
2. Insert the key into the lock and turn it 1/4 turn clockwise. The lock will be released and the fuel tank cap can be removed.



1. Fuel tank cap lock cover
2. Unlock.

To install the fuel tank cap

1. Push and install the fuel tank cap into position with the key inserted in the lock.
2. Turn the key counterclockwise to the original position, and then remove it.

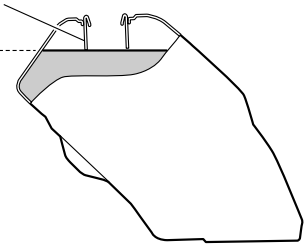


INSTRUMENT AND CONTROL FUNCTIONS

EAU13211

fuel may deteriorate painted surfaces or plastic parts.

EAU13300



level
filler tube

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

EWA10880

WARNING

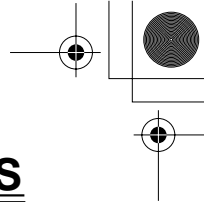
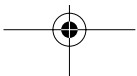
Do not overfill the fuel tank, otherwise it may overflow when the fuel warms up and expands. Avoid spilling fuel on the hot engine.

ECA10070

NOTE:

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

3-7



3

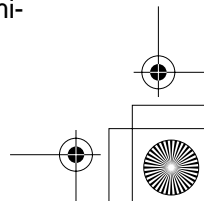


ECA11400

CAUTION:

Use only unleaded gasoline. The use of leaded gasoline will cause severe damage to internal engine parts, such as the valves and piston rings, as well as to the exhaust system.

Your Yamaha engine has been designed to use regular unleaded gasoline with a pump octane number [(R+M)/2] of 86 or higher, or a research octane number of 91 or higher. If knocking (or pinging) occurs, use a gasoline of a different brand or premi-



L FUNCTIONS

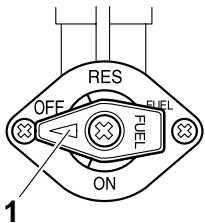
EAU13561

ON

Lock

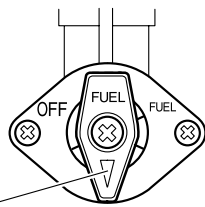
The fuel cock supplies fuel from the carburetor while filtering it all the time.

The fuel cock has three positions:



The pointed end is positioned under "OFF"

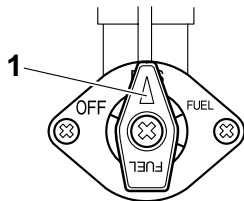
When the lever is in this position, fuel will not flow. Always return the lever to this position when the engine is not running.



1. Pointed end positioned over "ON"

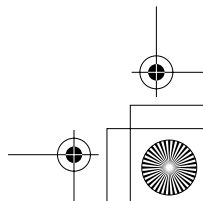
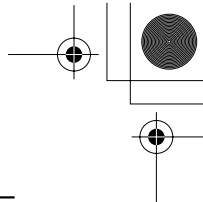
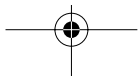
With the lever in this position, fuel flows to the carburetor. Normal riding is done with the lever in this position.

RES




1. Pointed end positioned over "RES"

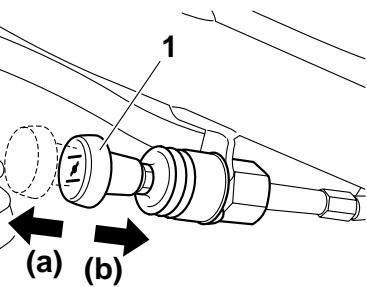
3-8




INSTRUMENT AND CONTROL FUNCTIONS

EAU13600

Choke knob “”



Choke knob “”

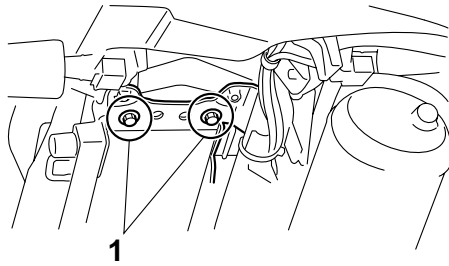
A cold engine requires a richer mixture, which is supplied by the choke. Turn the knob in direction (a) to turn on the choke. Turn the knob in direction (b) to turn off the choke.

EAU13970

Seat

To remove the seat

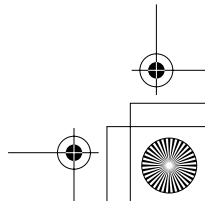
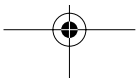
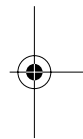
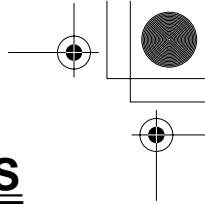
Remove the bolts, and then pull the seat off.



1. Bolt

To install the seat

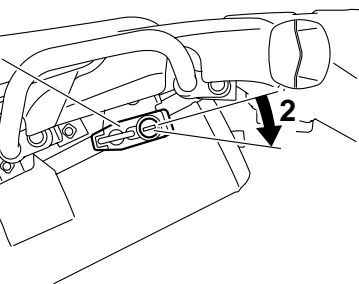
1. Insert the projection on the front of the seat into the seat holder as shown.



FUNCTIONS

Helmet holder

EAU14281



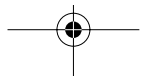
Helmet holder

Insert the helmet holder into the helmet holder, insert the key into the lock, and then turn the key clockwise. When the helmet holder is in the correct position, place it in the helmet holder, and then remove the key.

EWA10160

WARNING Never use the helmet holder with a helmet attached to the motorcycle, since the helmet may fall off, causing loss of control and possibly an accident.

3-10



Adjusting the shock absorber assembly

EAU44770

This shock absorber assembly is equipped with a spring preload adjusting ring.

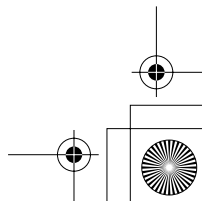
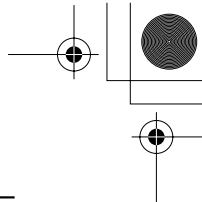
It is recommended to have a Yamaha dealer adjust the spring preload. However, if you choose to make this adjustment yourself, obtain a special wrench at a Yamaha dealer.

ECA10100

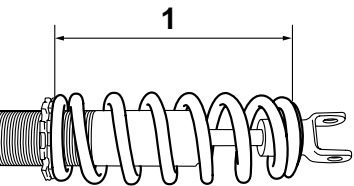
CAUTION:

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

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



INSTRUMENT AND CONTROL FUNCTIONS



Distance A

Setting preload:

- Minimum (soft):
Distance A = 207 mm (8.15 in)
- Standard:
Distance A = 197 mm (7.76 in)
- Maximum (hard):
Distance A = 187 mm (7.36 in)

Tighten the locknut to the specified torque.

Tightening torque:

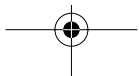
- Locknut:
30 Nm (3.0 m·kgf, 21.7 ft·lbf)

ECA10130

NOTE:

Always tighten the locknut against the dust protecting ring, and then tighten

3-11



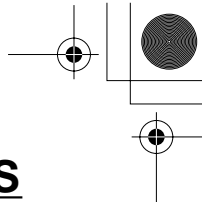
the locknut to the specified torque.

EWA10220

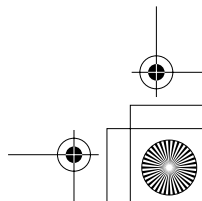
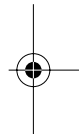
⚠ WARNING

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

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



3



L FUNCTIONS

it does not function proper-

EAU15312

Ignition circuit cut-off system

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

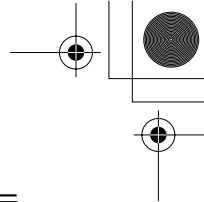
- It prevents starting when the transmission is in gear and the sidestand is up, but the clutch lever is not pulled.
- It prevents starting when the transmission is in gear and the clutch lever is pulled, but the sidestand is still down.
- It cuts the running engine when the transmission is in gear and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

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

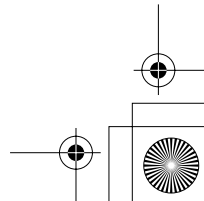
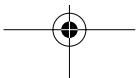
EWA10250

WARNING

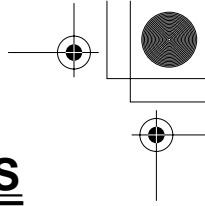
If a malfunction is noted, have a Yamaha dealer check the system before riding.



3-12



INSTRUMENT AND CONTROL FUNCTIONS



d on.

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

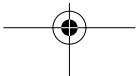
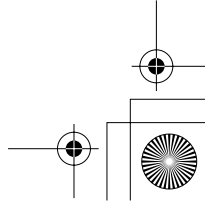
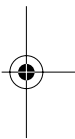
The neutral switch may be defective.
The motorcycle should not be ridden until
checked by a Yamaha dealer.

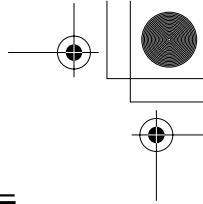
3

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

en.

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





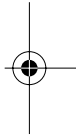
EAU15593

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.

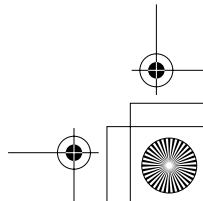
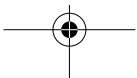
the vehicle is used. Such an inspection can be accomplished in a very short amount of time worth the time involved.

EWA11150

Do not work on a component that is not working properly, have it inspected and repaired before operating



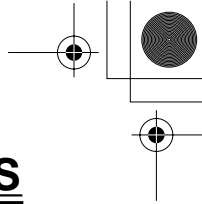
4-1



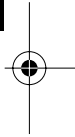
PRE-OPERATION CHECKS

EAU15605

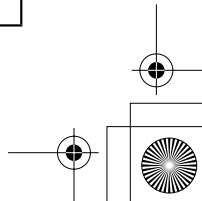
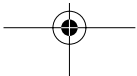
CHECKS	PAGE
Fuel tank.	3-7
Leakage. Engine. Recommended oil to specified level. Oil leakage.	6-13
Have Yamaha dealer bleed hydraulic system. Safety. Brake wear. Safety. Reservoir. Recommended brake fluid to specified level. System for leakage.	6-23, 6-24, 6-25
Have Yamaha dealer bleed hydraulic system. Brake wear. Safety. Reservoir. Recommended brake fluid to specified level. System for leakage.	6-24, 6-25
Necessary. Safety.	6-22
Operation is smooth. Safety. Have Yamaha dealer adjust cable free play and lubricate cable	6-19, 6-28

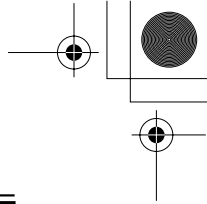


4

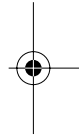


4-2

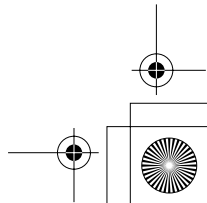
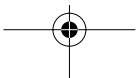




CHECKS	PAGE
ation is smooth. ry.	6-28
n. ry.	6-26, 6-27
and tread depth.	6-19, 6-21
ation is smooth. ing points if necessary.	6-28
ation is smooth. ing points if necessary.	6-29
ation is smooth. ecessary.	6-30
nts, bolts and screws are properly tightened.	—
	—
gnition circuit cut-off system. e, have Yamaha dealer check vehicle.	3-12



4-3



OPERATION AND IMPORTANT RIDING POINTS

Starting and warming up a cold engine

EAU32290

Before starting the engine, the neutral indicator light should be on, otherwise have a Yamaha dealer check the electrical circuit. 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 down.

EWA10290

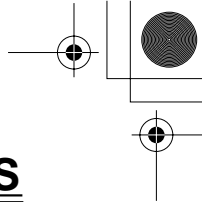
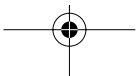
WARNING

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

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 transmission into the neutral position.

The transmission is in the neutral

5-1



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 3-9.)
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.

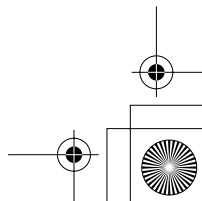
6. After starting the engine, move the starter (choke) back halfway.

ECA11130

CAUTION:

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

7. When the engine is warm, turn the



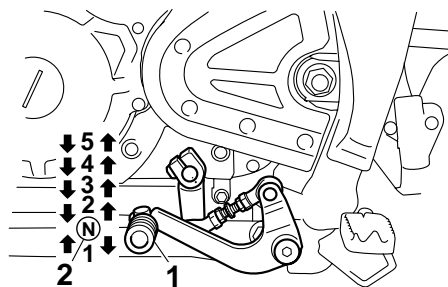
WARM RIDING POINTS

EAU16640

Starting a warm engine

Use the same procedure as for starting a cold engine with the exception that the choke starter (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.

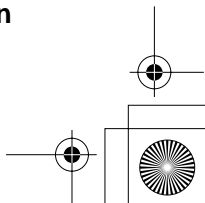
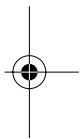
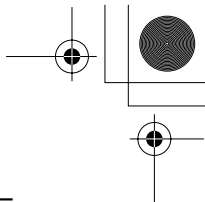
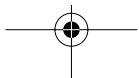
NOTE:

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.

ECA10260

CAUTION:

- Even with the transmission in



OPERATION AND IMPORTANT RIDING POINTS

the throttle, and at the same time, quickly pull the clutch lever in.

Shift the transmission into second gear. (Make sure not to shift the transmission into the neutral position.)

Open the throttle part way and gradually release the clutch lever. Follow the same procedure when shifting to the next higher gear.

Shift gears at the recommended points.

EAU16700

Accelerate

Apply both the front and the rear brakes to slow the motorcycle.

Shift the transmission into first gear when the motorcycle reaches 12.5 km/h (12.5 mi/h). If the engine is about to stall or runs very roughly, pull the clutch lever in and use the brakes to stop the motorcycle.

Shift the transmission into the neutral position when the motorcycle is almost completely stopped. The neutral indicator light should come

on.

EAU16720

Recommended shift points

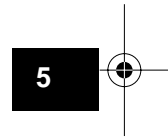
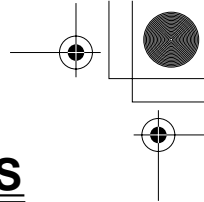
The recommended shift points during acceleration and deceleration are shown in the table below.

Shift up points:

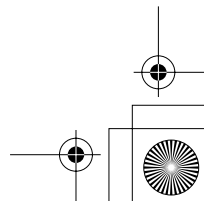
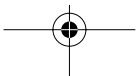
- 1st → 2nd: 16 km/h (10 mi/h)
- 2nd → 3rd: 24 km/h (15 mi/h)
- 3rd → 4th: 32 km/h (20 mi/h)
- 4th → 5th: 40 km/h (25 mi/h)

Shift down points:

- 5th → 4th: 20 km/h (12.5 mi/h)
- 4th → 3rd: 20 km/h (12.5 mi/h)
- 3rd → 2nd: 20 km/h (12.5 mi/h)
- 2nd → 1st: 20 km/h (12.5 mi/h)



5-3



IT RIDING POINTS

ine oil must be changed, and
filter cartridge or element re-

n (1000 mi) and beyond
icle can now be operated nor-

ECA10270

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

EAU17170

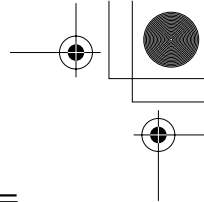
Parking

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

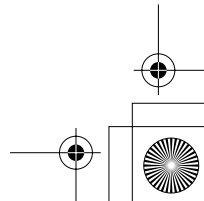
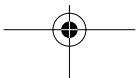
EWA10310

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.



5-4



PERIODIC MAINTENANCE AND MINOR REPAIR

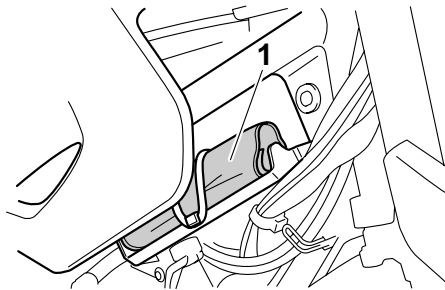
PERIODIC MAINTENANCE

PERIODIC MAINTENANCE FOR YOUR VEHICLE IS IMPORTANT TO ENJOY LONG, PLEASANT SERVICE. ESPECIALLY IMPORTANT ARE THE MAINTENANCE SERVICES RELATED TO EMISSIONS CONTROL. THESE CONTROLS NOT ONLY FUNCTION TO INSURE CLEANER AIR, BUT ALSO VITAL TO PROPER ENGINE OPERATION AND MAXIMUM PERFORMANCE. IN THE FOLLOWING PERIODIC MAINTENANCE SERVICES, THE SERVICES RELATED TO EMISSIONS CONTROL ARE COVERED SEPARATELY. THESE SERVICES REQUIRE SPECIALIZED KNOWLEDGE, AND EQUIPPED YAMAHA DEALERS ARE ADVISED AND EQUIPPED TO PERFORM THESE PARTICULAR SER-

EAU17301

Owner's tool kit

EAU17301



1. Owner's tool kit

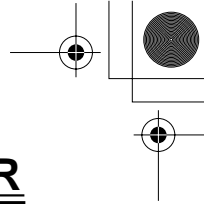
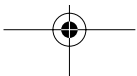
The owner's tool kit is located behind panel B. (See page 6-9.)

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

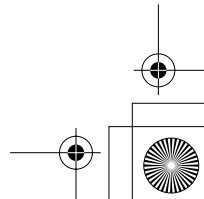
NOTE:

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

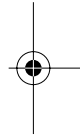
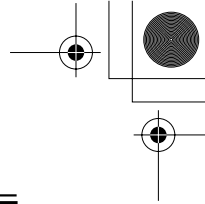
6-1



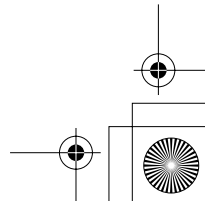
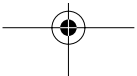
6

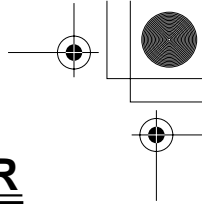


ND MINOR REPAIR



6-2



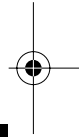


ODIC MAINTENANCE AND MINOR REPAIR

EAU17580

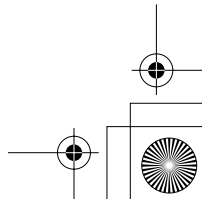
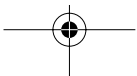
mission control system

	INITIAL	ODOMETER READINGS				
	600 mi (1000 km) or 1 month	4000 mi (6000 km) or 6 months	7000 mi (11000 km) or 12 months	10000 mi (16000 km) or 18 months	13000 mi (21000 km) or 24 months	16000 mi (26000 km) or 30 months
acks or		√	√	√	√	√
000 hereaf- (0 km)		√	Replace.	√	Replace.	√
		√	√	√	√	√
clear- ld.	√	√	√	√	√	√
r		√	√	√	√	√
e idle		√	√	√	√	√
ces-		√	√	√	√	√
or dam-			√		√	



6

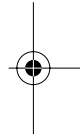
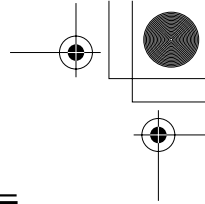
6-3



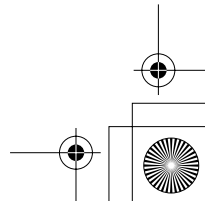
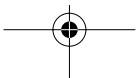
AND MINOR REPAIR

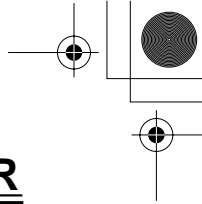
	INITIAL	ODOMETER READINGS				
	600 mi (1000 km) or 1 month	4000 mi (6000 km) or 6 months	7000 mi (11000 km) or 12 months	10000 mi (16000 km) or 18 months	13000 mi (21000 km) or 24 months	16000 mi (26000 km) or 30 months
re, dam- arts.			√		√	

ills, have a Yamaha dealer perform the service.



6-4





PERIODIC MAINTENANCE AND MINOR REPAIR

EAU32164

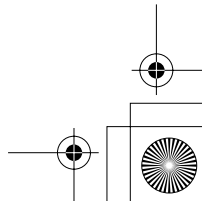
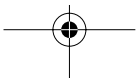
Chart

	INITIAL	ODOMETER READINGS				
	600 mi (1000 km) or 1 month	4000 mi (6000 km) or 6 months	7000 mi (11000 km) or 12 months	10000 mi (16000 km) or 18 months	13000 mi (21000 km) or 24 months	16000 mi (26000 km) or 30 months
dam-		✓	✓	✓	Replace.	✓
Replace at 13000 mi (21000 km) and there after every 12000 mi (20000 km).						
	✓	✓	✓	✓	✓	✓
level, eces-	✓	✓	✓	✓	✓	✓
level, eces-	✓	✓	✓	✓	✓	✓
age.		✓	✓	✓	✓	✓
Every 4 years						
htness		✓	✓	✓	✓	✓
sary. for		✓	✓	✓	✓	✓

6



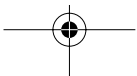
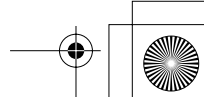
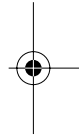
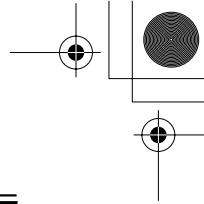
6-5



AND MINOR REPAIR

	INITIAL	ODOMETER READINGS				
	600 mi (1000 km) or 1 month	4000 mi (6000 km) or 6 months	7000 mi (11000 km) or 12 months	10000 mi (16000 km) or 18 months	13000 mi (21000 km) or 24 months	16000 mi (26000 km) or 30 months
both		✓	✓	✓	✓	✓
for		✓	✓	✓	✓	✓
ment n with ricant	Every 300 mi (500 km) and after washing the motorcycle or riding in the rain					
es for th-	✓	✓	✓	✓	Repack.	✓
and		✓	✓	✓	✓	✓
htly.		✓	✓	✓	✓	✓
d		✓	✓	✓	✓	✓
d		✓	✓	✓	✓	✓
d		✓	✓	✓	✓	✓

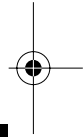
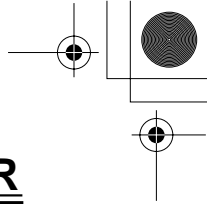
6-6



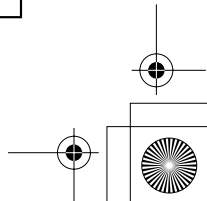
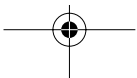
ODDIC MAINTENANCE AND MINOR REPAIR

	INITIAL	ODOMETER READINGS				
	600 mi (1000 km) or 1 month	4000 mi (6000 km) or 6 months	7000 mi (11000 km) or 12 months	10000 mi (16000 km) or 18 months	13000 mi (21000 km) or 24 months	16000 mi (26000 km) or 30 months
ed		✓	✓	✓	✓	✓
place if	✓	✓	✓	✓	✓	✓
r oil		✓	✓	✓	✓	✓
oil		✓	✓	✓	✓	✓
			✓		✓	
efore	✓	✓	✓	✓	✓	✓
	✓		✓		✓	
	✓	✓	✓	✓	✓	✓
d cable OW-30	✓	✓	✓	✓	✓	✓
e play. free		✓	✓	✓	✓	✓
p						

6-7



6



AND MINOR REPAIR

	INITIAL	ODOMETER READINGS					
	600 mi (1000 km) or 1 month	4000 mi (6000 km) or 6 months	7000 mi (11000 km) or 12 months	10000 mi (16000 km) or 18 months	13000 mi (21000 km) or 24 months	16000 mi (26000 km) or 30 months	
	✓	✓	✓	✓	✓	✓	

ills, have a Yamaha dealer perform the service.

the maintenance intervals starting from 7000 mi (11000 km) or 12 months.

EAU17650

posable oil-coated paper element, which must not be cleaned with com-

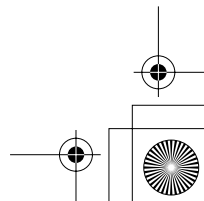
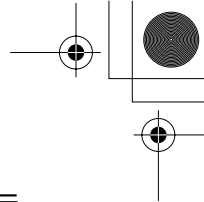
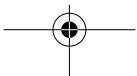
more frequently when riding in unusually wet or dusty areas.

lers and calipers, always change the fluid. Regularly check the brake fluid

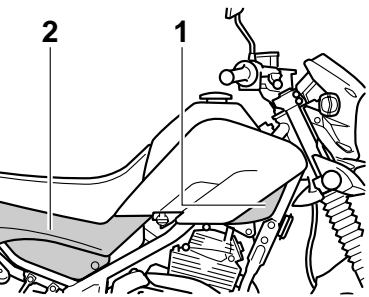
ponents of the brake master cylinders and calipers, and change the brake

and if cracked or damaged.

6-8



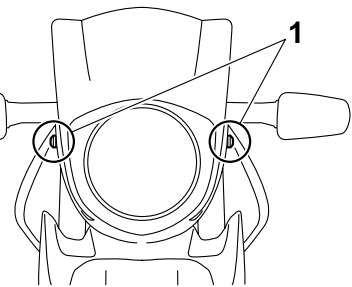
PERIODIC MAINTENANCE AND MINOR REPAIR



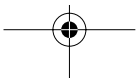
EAU44841

Fig A

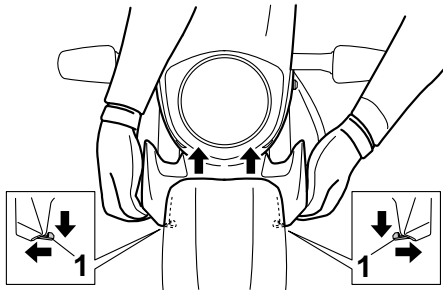
Remove the cowling
Remove the bolts.



6-9



- Unhook both projections at the bottom of the cowling by pulling it downward, and then pull the cowling forward as shown.



- Projection

To install the cowling

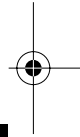
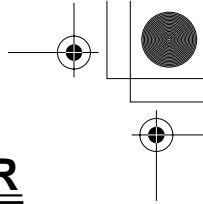
- Place the cowling in the original position.
- Install the bolts.

EAU44850

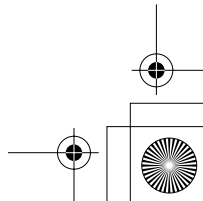
Panels A and B

To remove one of the panels

- Remove the screw and collar.

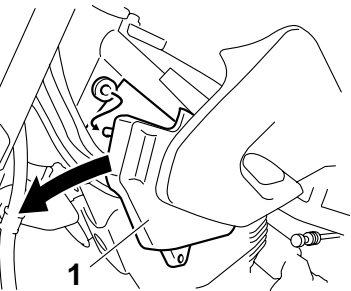


6

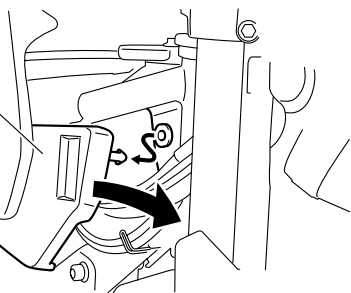


END MINOR REPAIR

pulling it forward as shown.



A

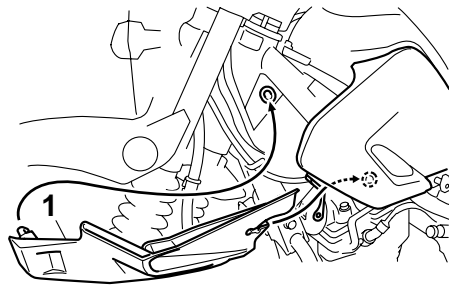
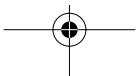


B

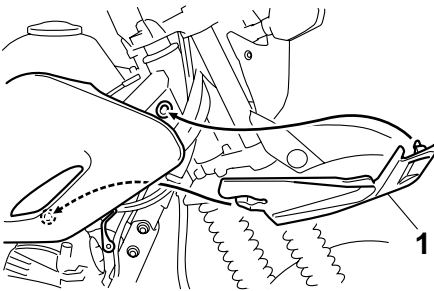
Slide the panel

the collar and panel in their original position, and then install the screw.

6-10



1. Panel A

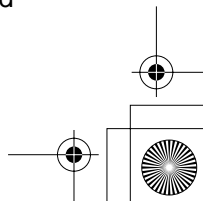
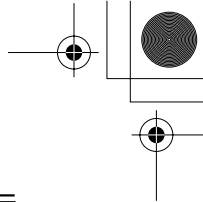


1. Panel B

Panel C

To remove the panel

1. Remove the seat. (See page 3-9.)
2. Remove the bolt and washer, and



PERIODIC MAINTENANCE AND MINOR REPAIR

tall the seat.

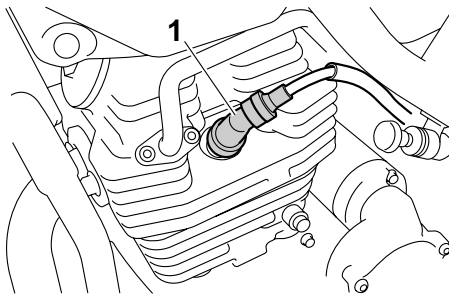
EAU19603

Checking the spark plug

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

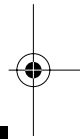
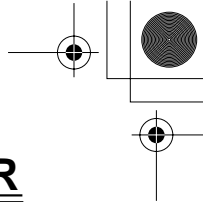
To remove the spark plug

1. Remove the spark plug cap.



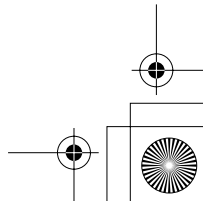
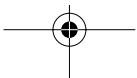
1. Spark plug cap

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



6

6-11



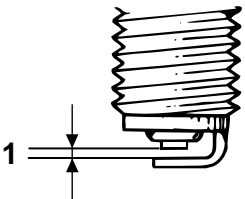
END MINOR REPAIR

ecessary.

ified spark plug:
K/DR7EA

all the spark plug

asure the spark plug gap with a
e thickness gauge and, if nec-
ary, adjust the gap to specifica-

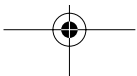


plug gap

plug gap:
0.7 mm (0.024–0.028 in)

an the surface of the spark plug
cket and its mating surface, and
n wipe off any grime from the
rk plug threads.

6-12

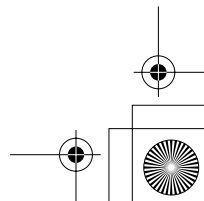
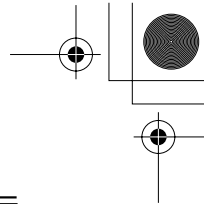


3. Install the spark plug with the
spark plug wrench, and then tight-
en it to the specified torque.

Tightening torque:
Spark plug:
18 Nm (1.8 m·kgf, 13.0 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 speci-
fied torque as soon as possible.

4. Install the spark plug cap.



PERIODIC MAINTENANCE AND MINOR REPAIR

EAU37802

Check the engine oil level

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

Check the engine oil level

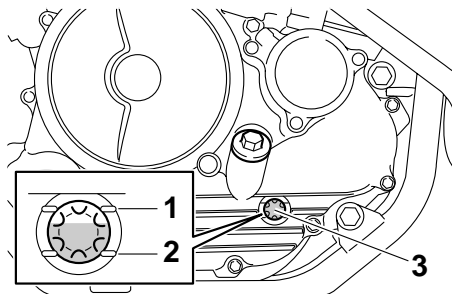
Place the vehicle on a level surface and hold it in an upright position.

Ensure that the vehicle is positioned upright when checking the oil level. Tilting the vehicle to the side can result in an incorrect reading.

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

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

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



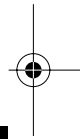
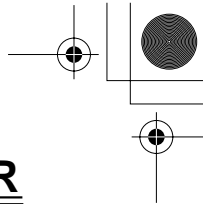
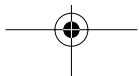
1. Maximum level mark
2. Minimum level mark
3. Engine oil level check window

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

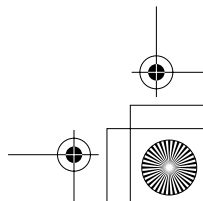
To change the engine oil (with or without oil filter element replacement)

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

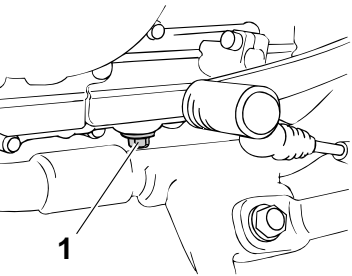
6-13



6

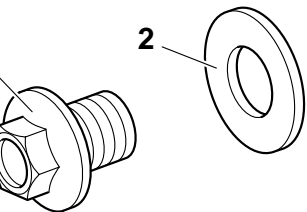


END MINOR REPAIR



Oil drain bolt

Remove the washer for damage and replacement if necessary.

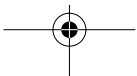


Oil drain bolt

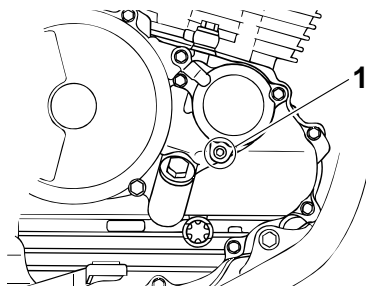
Washer

Remove the oil filter element drain

6-14



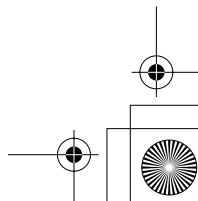
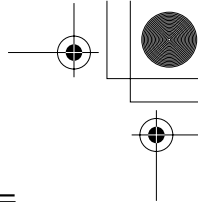
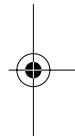
bolt to drain the oil from the oil filter element.



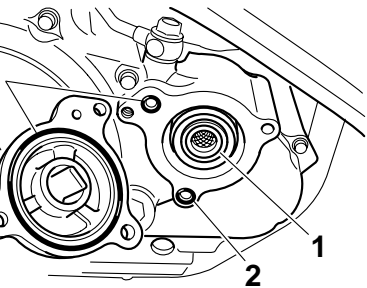
1. Oil filter element drain bolt

NOTE: Skip steps 5–7 if the oil filter element is not being replaced.

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



PERIODIC MAINTENANCE AND MINOR REPAIR



Oil filter element cover

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)

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

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

Tightening torques:

Engine oil drain bolt:
20 Nm (2.0 m·kgf, 14.5 ft·lbf)
Oil filter element drain bolt:
10 Nm (1.0 m·kgf, 7.2 ft·lbf)

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

Recommended oil:

See page 8-1.

Oil quantity:

Without oil filter element replacement:
1.20 L (1.27 US qt) (1.06 Imp. qt)
With oil filter element replacement:
1.30 L (1.37 US qt) (1.14 Imp. qt)

NOTE:

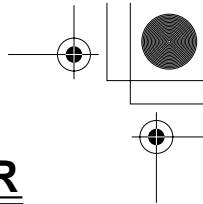
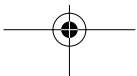
Be sure to wipe off spilled oil on any parts after the engine and exhaust system have cooled down.

ECA11620

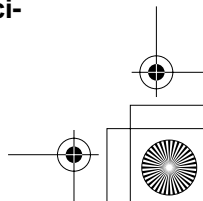
CAUTION:

- 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 speci-

6-15



6



END MINOR REPAIR

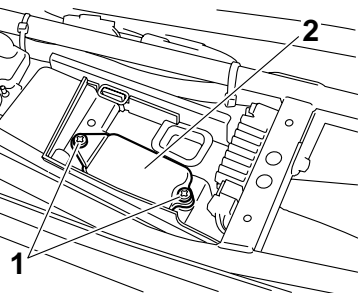
EAU44650

Replacing the air filter element and cleaning the check hose

The air filter element should be replaced at the intervals specified in the maintenance and lubrication schedule. Replace the air filter element frequently if you are riding in unclean, wet or dusty areas. In addition, the air filter check hose must be frequently checked and cleaned if neces-

Replacing the air filter element

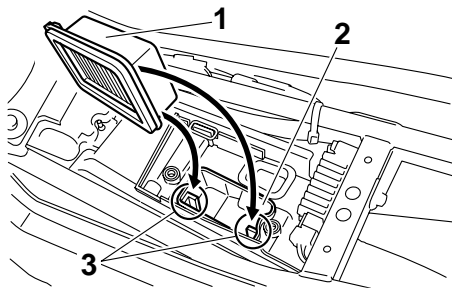
Remove the seat. (See page 3-9.) Remove the air filter case cover by loosening the screws.



Air filter case cover

6-16

3. Pull the air filter element out.
4. Insert a new air filter element into the air filter case as shown.



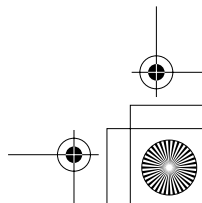
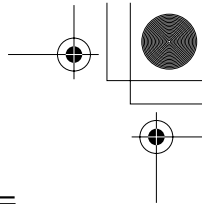
1. Air filter element
2. Air filter case
3. Slot

ECA10480

CAUTION:

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

5. Install the air filter case cover by installing the screws.



PERIODIC MAINTENANCE AND MINOR REPAIR

EAU41220

Cleaning the spark arrester

The spark arrester should be cleaned at the intervals specified in the periodic maintenance and lubrication chart.

EWA10980

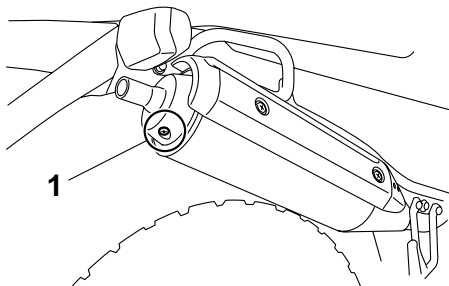
WARNING

Always let the exhaust system cool prior to touching exhaust components.

Do not start the engine when cleaning the exhaust system.

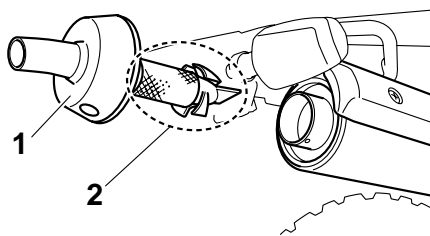
Ensure to select a well-ventilated area free of combustible materials to clean the spark arrester.

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

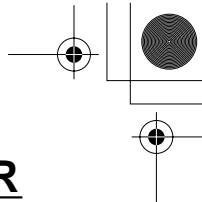


1. Screw

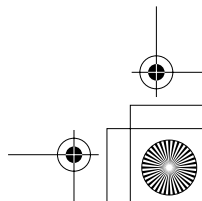
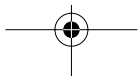
2. Tap the tailpipe lightly, and then use a wire brush to remove any carbon deposits from the spark arrester portion of the tailpipe and inside of the tailpipe housing.



1. Tailpipe
2. Spark arrester



6



END MINOR REPAIR

EAU21251

Carburetor

The carburetor is an important part of the engine and its emission control system which requires very sophisticated adjustment. Therefore, carburetor adjustments should be left to Yamaha dealers who have the necessary professional knowledge and experience.

Checking the engine idling speed

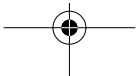
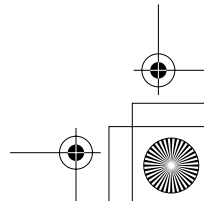
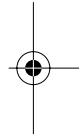
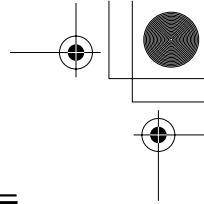
The engine idling speed must be checked as follows and, if necessary, adjusted by a Yamaha dealer at the intervals specified in the periodic maintenance and lubrication chart.

Start the engine and warm it up for several minutes at 1000–2000 r/min while occasionally revving it to 4000–5000 r/min.

NOTE: _____

The engine is warm when it quickly responds to the throttle.

Engine idling speed: 1300–1500 r/min
--



PERIODIC MAINTENANCE AND MINOR REPAIR

Valve clearance

EAU21401

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

Tires

EAU21600

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

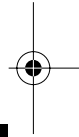
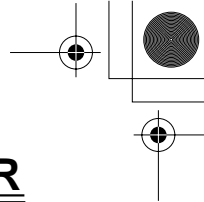
Tire air pressure

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

EWA10500

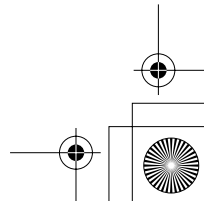
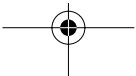
WARNING

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



6

6-19



AND MINOR REPAIR

passenger, cargo, and accessories does not exceed the specified maximum load for the motorcycle.

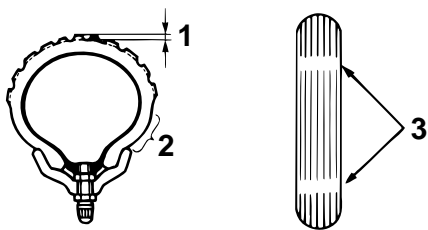
Do not carry along loosely packed items, which can shift during a ride.

Securely pack the heaviest items close to the center of the motorcycle and distribute the weight evenly on both sides.

Adjust the suspension and tire pressure with regard to the load.

Check the tire condition and air pressure before each ride.

Tire inspection

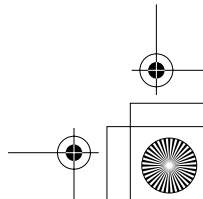
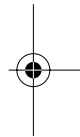
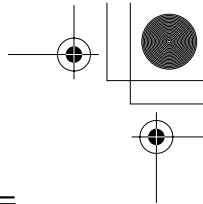
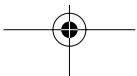


1. Tire tread depth
2. Tire sidewall
3. Tire wear indicator

The tires must be checked before each ride. If the tire shows crosswise lines (minimum tread depth), if the tire has a nail or glass fragments in it, or if the sidewall is cracked, have a Yamaha dealer replace the tire immediately.

Minimum tire tread depth (front and rear):
1.0 mm (0.04 in)

NOTE: _____
The tire tread depth limits may differ from country to country. Always comply



PERIODIC MAINTENANCE AND MINOR REPAIR

EWA10560

WARNING

It is dangerous to ride with a worn-out tire. When a tire tread begins to show crosswise lines, have a Yamaha dealer replace the tire immediately.

The replacement of all wheel- and brake-related parts, including the tires, should be left to a Yamaha dealer, who has the necessary professional knowledge and experience.

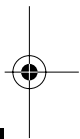
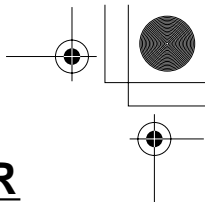
It is not recommended to patch a punctured tube. If unavoidable, however, patch the tube very carefully and replace it as soon as possible with a high-quality product.

EAU21940

Spoke wheels

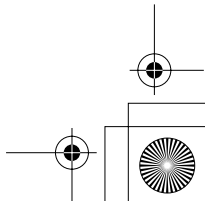
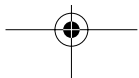
To maximize the performance, durability, and safe operation of your motorcycle, note the following points regarding the specified wheels.

- 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.

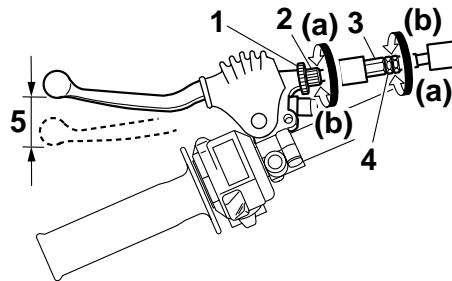


6

6-21



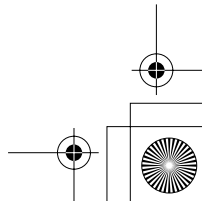
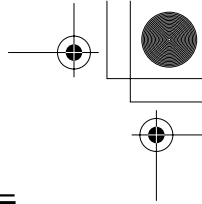
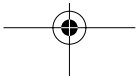
Adjusting the clutch lever free play



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

The clutch lever free play should measure 10.0–15.0 mm (0.39–0.59 in) as shown. Periodically check the clutch lever free play and, if necessary, adjust it as follows.

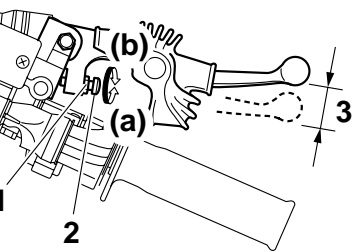
1. Loosen the locknut at the clutch lever.
2. To increase the clutch lever free play, turn the adjusting bolt in direction (a). To decrease the clutch



PERIODIC MAINTENANCE AND MINOR REPAIR

Adjusting the brake lever free

EAU22092

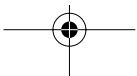


locknut
brake lever free play adjusting screw
brake lever free play

Brake lever free play should measure 0–5.0 mm (0.08–0.20 in) as shown. Periodically check the brake lever free play and, if necessary, adjust it as follows.

To increase the brake lever free play, turn the adjusting screw in direction (a). To decrease the brake lever free play, turn the adjusting screw in direction (b).

6-23



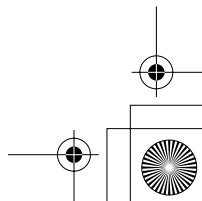
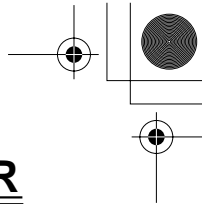
3. Tighten the locknut.

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.

6

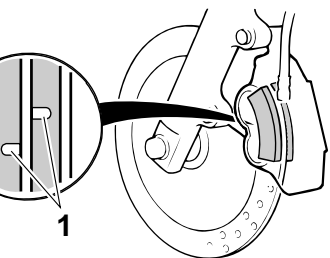


END MINOR REPAIR

Checking the front and rear brake pads

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

Front brake pads



1. Wear indicator groove

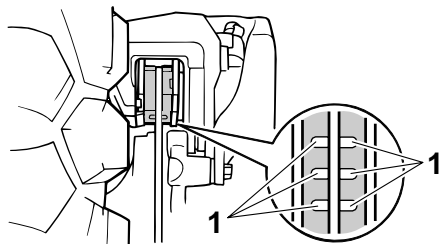
Each front brake pad is provided with a wear indicator groove, which allows you to check the brake pad wear without having to disassemble the brake. To check the brake pad wear, check the wear indicator groove. If a brake pad has worn to the point that the wear

EAU22390

indicator groove has almost disappeared, have a Yamaha dealer replace the brake pads as a set.

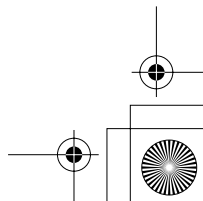
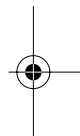
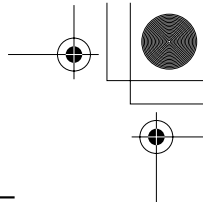
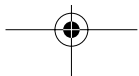
Rear brake pads

EAU36720



1. Wear indicator groove

Each rear brake pad is provided with wear indicator grooves, which allow you to check the brake pad wear without having to disassemble the brake. To check the brake pad wear, check the wear indicator grooves. If a brake pad has worn to the point that the wear indicator grooves have almost disappeared, have a Yamaha dealer replace the brake pads as a set.



PERIODIC MAINTENANCE AND MINOR REPAIR

the brake system, possibly causing it to become ineffective.

When riding, check that the brake fluid is at the minimum level mark and top it up if necessary. A low brake fluid level may indicate worn brake pads or a problem with the brake system leakage. If the brake fluid level is low, be sure to check the brake pads for wear and the brake system for leakage.

Take these precautions:

When checking the fluid level, be sure that the top of the brake fluid reservoir is level.

Use only the recommended quality brake fluid, otherwise the rubber seals may deteriorate, causing leakage and poor braking performance.

Recommended brake fluid:

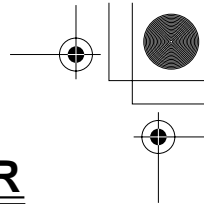
DOT 4

Do not mix with the same type of brake fluid. Mixing fluids may result in a harmful chemical reaction and lead to poor braking performance.

Be careful that water does not enter the brake fluid reservoir when

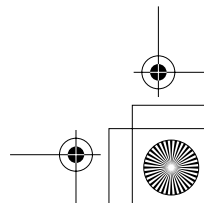
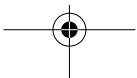
refilling. Water will significantly lower the boiling point of the fluid and may result in vapor lock.

- Brake fluid may deteriorate painted surfaces or plastic parts. Always clean up spilled fluid immediately.
- As the brake pads wear, it is normal for the brake fluid level to gradually go down. However, if the brake fluid level goes down suddenly, have a Yamaha dealer check the cause.



6

6-25



END MINOR REPAIR

Drive chain slack

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

Check the drive chain slack

Place the motorcycle on the side stand.

When checking and adjusting the drive chain slack, there should be no weight on the motorcycle.

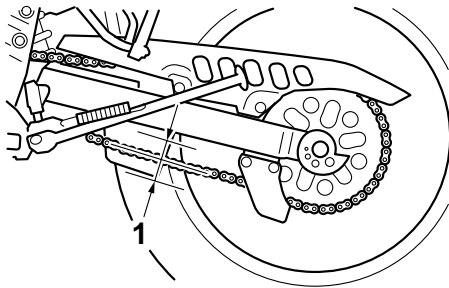
Shift the transmission into the neutral position.

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

Drive chain slack:

40–45.0 mm (1.57–1.77 in)

EAU22760



1. Drive chain slack

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

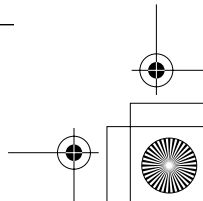
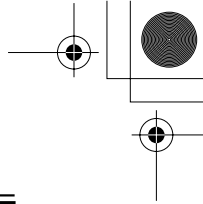
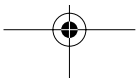
EAU22960

To adjust the drive chain slack

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

NOTE:

Make sure that both adjusting plates are in the same position for proper wheel alignment.



PERIODIC MAINTENANCE AND MINOR REPAIR

Cleaning and lubricating the drive chain

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

EAU23022

ECA11110

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

CAUTION: The drive chain must be lubricated after washing the motorcycle and riding in the rain.

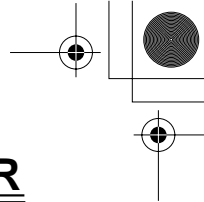
ECA10581

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

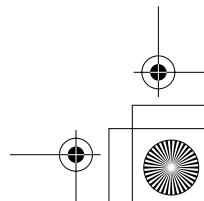
ECA11120

CAUTION: To prevent damaging the O-rings, do not clean the drive chain with steamers, high-pressure washers or other appropriate solvents.

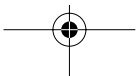
Leave the drive chain dry. Thoroughly lubricate the drive chain with a special O-ring chain lubricant.



6



6-27



END MINOR REPAIR

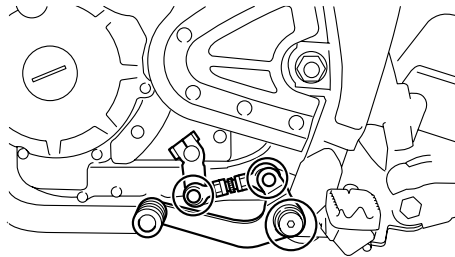
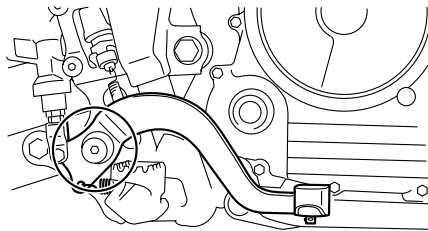
Checking and lubricating the throttle grip and cable

EAU23111

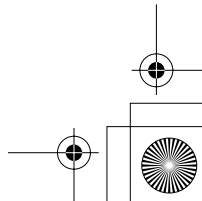
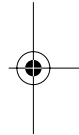
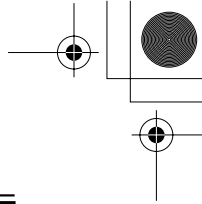
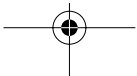
The operation of the throttle grip should be checked before each ride. In addition, the cable should be lubricated at intervals specified in the periodic maintenance chart.

Checking and lubricating the brake and shift pedals

EAU23133



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



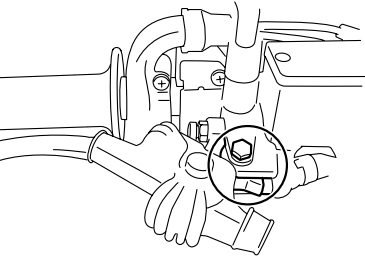
PERIODIC MAINTENANCE AND MINOR REPAIR

Checking and lubricating the brake and clutch levers

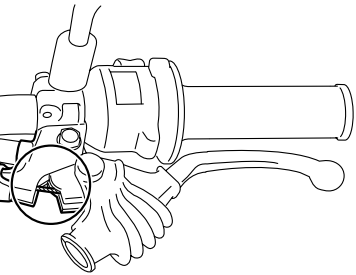
EAU23142

lubricated if necessary.

lever

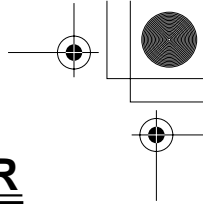
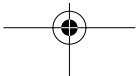


lever

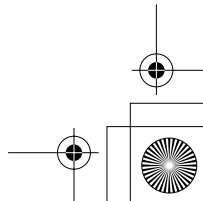


Operation of the brake and clutch levers should be checked before each use and the lever pivots should be lubricated if necessary.

6-29



6



END MINOR REPAIR

Lubricating the rear suspension

Lubricating points of the rear suspension must be lubricated at the intervals specified in the periodic maintenance and lubrication chart.

Recommended lubricant:
Lithium-soap-based grease

EAU23250

Checking the front fork

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

To check the condition

EAU23271



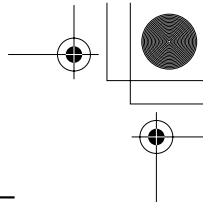
Securely support the vehicle so that there is no danger of it falling over.

EWA10750

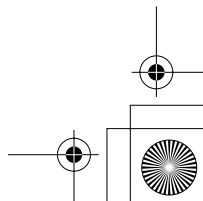
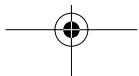
Check the inner tubes for scratches, damage and excessive oil leakage.

To check the operation

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



6-30



PERIODIC MAINTENANCE AND MINOR REPAIR

Checking the steering

Loose steering bearings may cause dangerous handling. Therefore, the operation of the steering must be checked as follows at the intervals specified in the periodic maintenance and lubrication schedule.

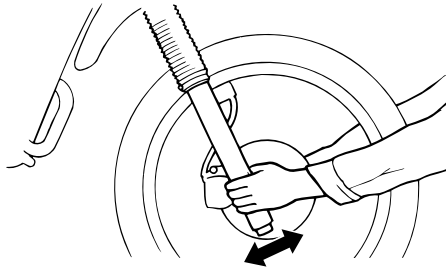
Place a stand under the engine to raise the front wheel off the ground.

WARNING

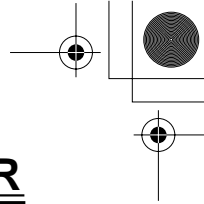
Properly support the vehicle so that there is no danger of it falling over.

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

EAU23280

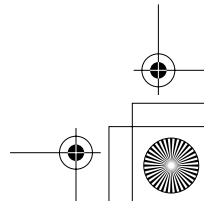
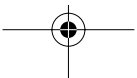


EWA10750



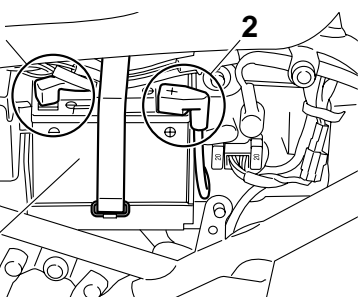
6

6-31



AND MINOR REPAIR

EAU23390



ve battery lead (black)
e battery lead (red)

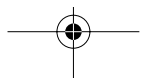
ery is located behind panel C.
ge 6-9.)

odel is equipped with a
ype (MF) battery, which does
ire any maintenance. There is
l to check the electrolyte or to
illed water.

Charge the battery

Yamaha dealer charge the bat-
soon as possible if it seems to
charged. Keep in mind that the
ends to discharge more quickly

6-32

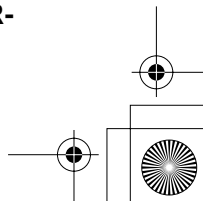
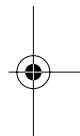
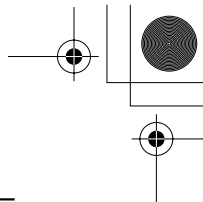


if the vehicle is equipped with optional
electrical accessories.

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 sparks, flames, cigarettes, etc., away from the battery and provide sufficient ventilation when charging it in an enclosed space.**
- **KEEP THIS AND ALL BATTER-**

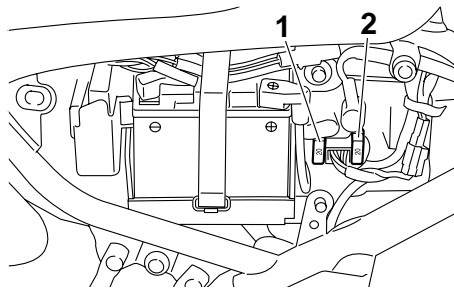


PERIODIC MAINTENANCE AND MINOR REPAIR

If you do not have access to a sealed-type (MF) battery charger, have a Yamaha dealer charge your battery.

EAU23502

Replacing the fuse



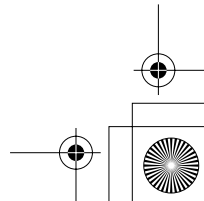
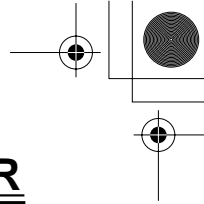
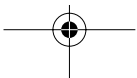
1. Fuse
2. Spare fuse

The fuse holder is located behind panel C. (See page 6-9.)

If the fuse is blown, replace it as follows.

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

Specified fuse:
20.0 A



END MINOR REPAIR

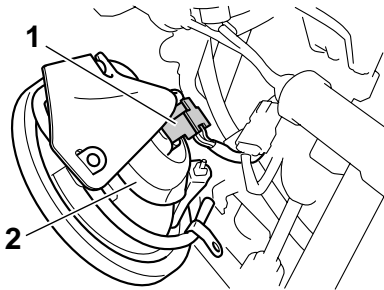
EAU23812

Replacing the headlight bulb

The model is equipped with a quartz halogen headlight. If the headlight bulb is burned out, replace it as follows.

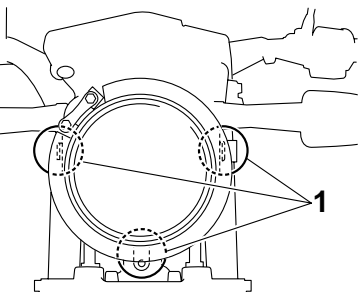
1. Remove the headlight bulb cover. (See the procedure for removing the headlight cover, pages 6-9.)

2. Remove the headlight unit by reversing the procedure for installing the headlight unit by removing the bolts.



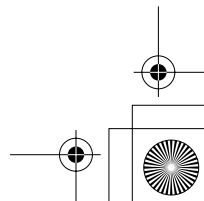
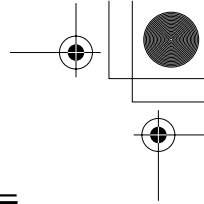
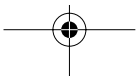
1. Headlight coupler
2. Headlight bulb cover

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



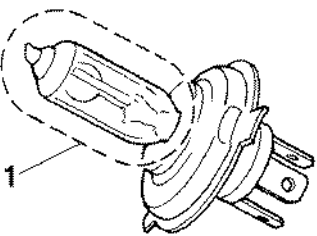
3. Connect the headlight coupler, and then remove the headlight bulb cover.

6-34



PERIODIC MAINTENANCE AND MINOR REPAIR

Remove fingerprints on the headlight lens by using a cloth moistened with alcohol or thinner.



Do not touch the glass part of the bulb.

Install the bulb cover, and then connect the coupler.

Place the headlight unit in the original position, and then install the nuts.

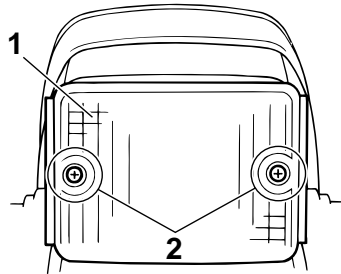
Install the cowling.

Have a Yamaha dealer adjust the headlight beam if necessary.

Replacing the tail/brake light bulb

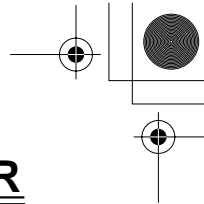
EAU24131

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

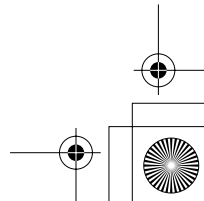
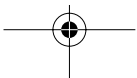


1. Tail/brake light lens
2. Screw

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



6

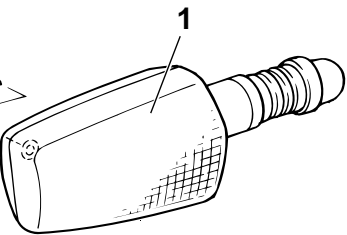


END MINOR REPAIR

EAU24202

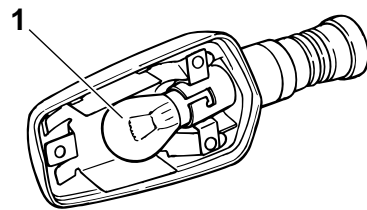
Replacing a turn signal light

Remove the turn signal light lens by removing the screw.



Turn signal light lens

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

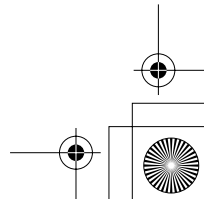
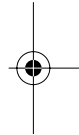
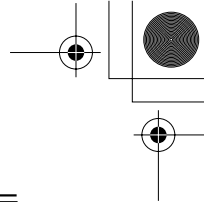
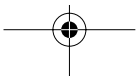


1. Turn signal light bulb
3. Insert a new bulb into the socket, push it in, and then turn it clockwise until it stops.
4. Install the lens by installing the screw.

ECA11190

CAUTION: Do not overtighten the screw, otherwise the lens may break.

6-36



PERIODIC MAINTENANCE AND MINOR REPAIR

in front of the rear wheel or under
side of the swingarm.

Front wheel

EAU24360

To remove the front wheel

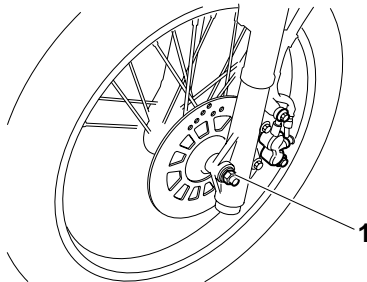
EAUW0211

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.

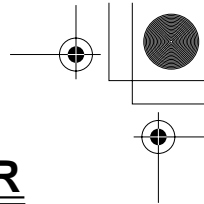
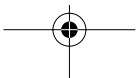
1. Loosen the axle nut.



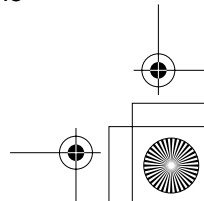
1. Axle nut

2. Lift the front wheel off the ground according to the procedure on page 6-37.
3. Remove the axle nut, pull the

6-37



6



END MINOR REPAIR

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

Rear wheel

EAU25080

To remove the rear wheel

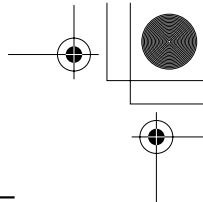
EAU37851

EWA10820

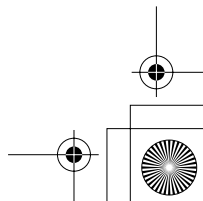
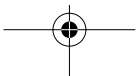
WARNING

- 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.

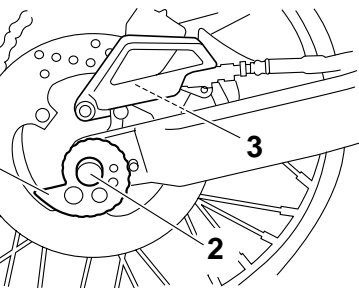
1. Loosen the axle nut.
2. Lift the rear wheel off the ground according to the procedure on page 6-37.
3. Turn the drive chain adjusting plate on each side of the swingarm fully in direction (a).
4. Push the wheel forward, and then remove the drive chain from the rear sprocket.



6-38



PERIODIC MAINTENANCE AND MINOR REPAIR



drive chain adjusting plate
 wheel axle
 brake caliper

Remove the drive chain adjusting plates.
 Move the wheel by pulling it to the back.

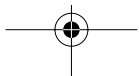
ECA11070

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

EAU37860

Install the rear wheel.
 Install the drive chain adjusting plates, the wheel and the brake

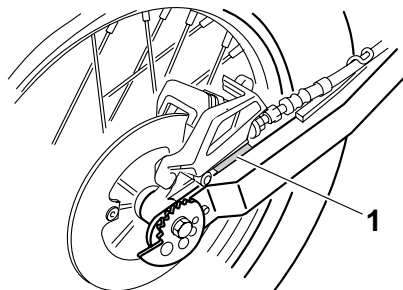
6-39



caliper bracket by inserting the wheel axle from the right-hand side.

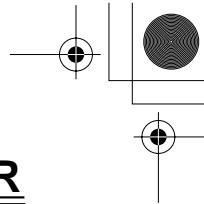
NOTE:

- Make sure that the drive chain adjusting plates are installed with the punched sides facing to the outside and that the retainer on the swingarm is inserted into the slot in the brake caliper bracket.
- Make sure that there is enough space between the brake pads before installing the wheel.

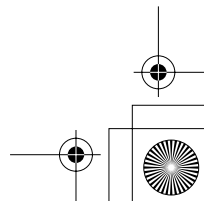


1. Retainer

2. Install the drive chain onto the rear sprocket, and then adjust the drive chain slack. (See page 6-26.)



6



END MINOR REPAIR

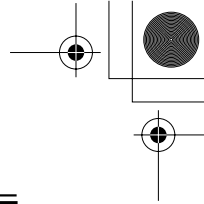
EAU25850

Troubleshooting

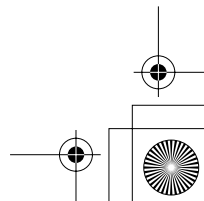
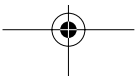
Yamaha motorcycles receive thorough inspection before shipment from the factory, trouble may occur during operation. Any problem in the fuel, carburetor, or ignition systems, for example, can cause poor starting and low power.

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

Always use genuine Yamaha replacement parts. Imitation parts may look like genuine parts, but they are often inferior and have a shorter service life and can result in expensive repair bills.



6-40

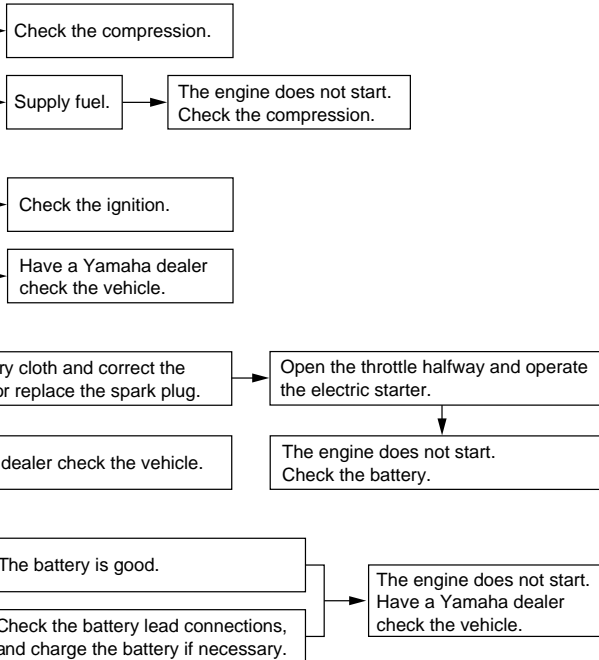


PERIODIC MAINTENANCE AND MINOR REPAIR

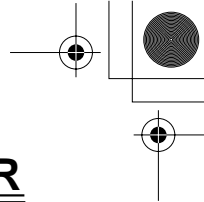
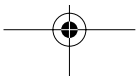
EAU25901

EWA10840

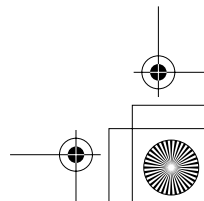
File checking or working on the fuel system.



6-41



6



TORAGE

EAU26002

The open design of a motorcycle detracts from the attractiveness of the technology. It also makes it more vulnerable to rust and corrosion can develop. High-quality components are essential. A rusty exhaust pipe may go unnoticed on a car, however, it detracts from the overall appearance of a motorcycle. Frequent and proper care does not comply with the terms of the warranty, but it will also keep your motorcycle looking good, extend its life and maximize its performance.

Cleaning

Cover the muffler outlet with a plastic bag after the engine has been cooled down.

Make sure that all caps and covers are in place, as well as all electrical couplers and connectors, including the spark plug cap, are tightly installed.

Remove extremely stubborn dirt, such as oil burnt onto the crankcase, with a degreasing agent and a brush, but never apply such prod-

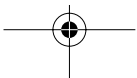
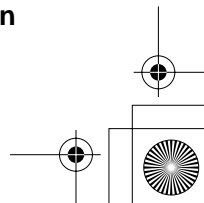
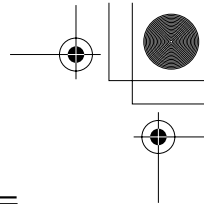
ucts onto seals, gaskets, sprockets, the drive chain and wheel axles. Always rinse the dirt and degreaser off with water.

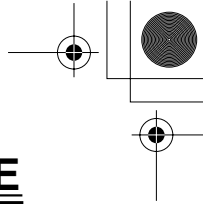
Cleaning

ECA10771

CAUTION:

- **Avoid using strong acidic wheel cleaners, especially on spoked wheels. If such products are used on hard-to-remove dirt, do not leave the cleaner on the affected area any longer than instructed. Also, thoroughly rinse the area off with water, immediately dry it, and then apply a corrosion protection spray.**
- **Improper cleaning can damage plastic parts such as cowlings, panels, windshields, headlight lenses, meter lenses, etc. Use only a soft, clean cloth or sponge with mild detergent and water to clean plastic.**
- **Do not use any harsh chemical products on plastic parts. Be sure to avoid using cloths or sponges which have been in**





MOTORCYCLE CARE AND STORAGE

shing.

ECA10790

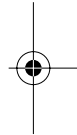
CAUTION:

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

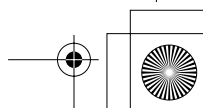
2. Apply a corrosion protection spray on all metal, including chrome- and nickel-plated, surfaces to prevent corrosion.

After cleaning

1. Dry the motorcycle with a chamois or an absorbing cloth.
2. Immediately dry the drive chain and lubricate it to prevent it from rusting.
3. Use a chrome polish to shine chrome, aluminum and stainless-steel parts, including the exhaust system. (Even the thermally induced discoloring of stainless-steel exhaust systems can be removed through polishing.)
4. To prevent corrosion, it is recommended to apply a corrosion protection spray on all metal, including chrome- and nickel-plated, surfaces.



7



Normal use

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

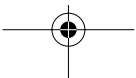
Cleaning in the rain, near the sea or on salt-sprayed roads

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

Roads sprayed on roads in the winter may be well into spring.

Wash the motorcycle with cold water and a mild detergent, after the engine has cooled down.

7-2



STORAGE

duct.
oid using abrasive polishing
mpounds as they will wear
ay the paint.

a Yamaha dealer for advice on
ducts to use.

Storage

Short-term

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

EAU26150

CAUTION:

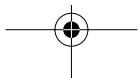
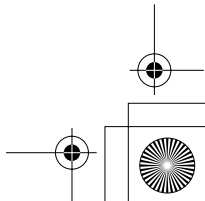
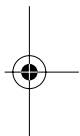
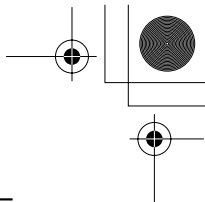
- Storing the motorcycle in a poorly ventilated room or covering it with a tarp, while it is still wet, will allow water and humidity to seep in and cause rust.
- To prevent corrosion, avoid damp cellars, stables (because of the presence of ammonia) and areas where strong chemicals are stored.

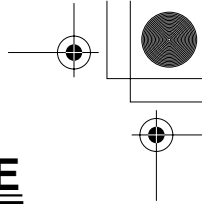
ECA10810

Long-term

Before storing your motorcycle for several months:

1. Follow all the instructions in the "Care" section of this chapter.
2. For motorcycles equipped with a fuel cock that has an "OFF" position: Turn the fuel cock lever to





MOTORCYCLE CARE AND STORAGE

install the spark plug and the spark plug cap.

EWA10950

WARNING
Prevent damage or injury from sparks, make sure to ground the spark plug electrodes while turning the engine over.

[less than 0 °C (30 °F) or more than 30 °C (90 °F)]. For more information on storing the battery, see page 6-32.

NOTE:
Make any necessary repairs before storing the motorcycle.

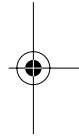
Lubricate all control cables and the pivot points of all levers and pedals as well as of the sidestand/centerstand.

Check and, if necessary, correct the tire air pressure, and then lift the motorcycle so that both of its wheels are off the ground. Alternatively, turn the wheels a little every month in order to prevent the tires from becoming degraded in one spot.

Cover the muffler outlet with a plastic bag to prevent moisture from entering it.

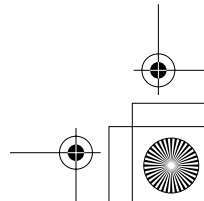
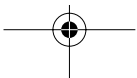
Remove the battery and fully charge it. Store it in a cool, dry place and charge it once a month.

Do not store the battery in an excessively cold or warm place.



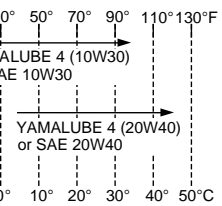
7

7-4



Injection system:
Dry sump

Oil:
YAMALUBE 4, SAE 10W30 or SAE 20W40



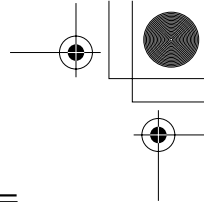
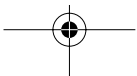
Recommended engine oil grade:
Service SG type or higher, JASO standard MA

Oil quantity:
Oil filter element replacement:
L (1.27 US qt) (1.06 Imp. qt)
Filter element replacement:
L (1.37 US qt) (1.14 Imp. qt)

Filter element:
Coated paper element

Recommended fuel:
Unleaded gasoline only
Tank capacity:
L (2.40 US gal) (2.00 Imp. gal) (CAL)
L (2.59 US gal) (2.16 Imp. gal) (U49)
Service amount:
L (0.50 US gal) (0.42 Imp. gal)

8-1



Carburetor:

Manufacturer:
TEIKEI
Type x quantity:
MV33 x 1

Spark plug (s):

Manufacturer/model:
NGK/DR7EA
Spark plug gap:
0.6–0.7 mm (0.024–0.028 in)

Clutch:

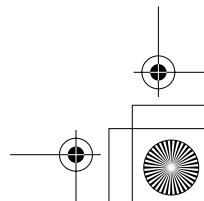
Clutch type:
Wet, multiple-disc

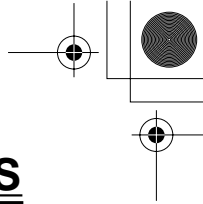
Transmission:

Primary reduction system:
Spur gear
Primary reduction ratio:
74/24 (3.083)
Secondary reduction system:
Chain drive
Secondary reduction ratio:
48/15 (3.200)
Transmission type:
Constant mesh 5-speed
Operation:
Left foot operation

Gear ratio:

1st:
37/13 (2.846)
2nd:
29/16 (1.812)
3rd:
29/22 (1.318)





SPECIFICATIONS

Weight:
Maximum load:
160 kg (353 lb)
Total weight of rider, passenger, cargo
(including accessories)
Front tire pressure (measured on cold

tying condition):
160 kg (0–198 lb)
180 kPa (18 psi) (1.25 kgf/cm²)

tying condition):
160 kg (198–353 lb)
180 kPa (22 psi) (1.50 kgf/cm²)
180 kPa (22 psi) (1.50 kgf/cm²)
180 kPa (25 psi) (1.75 kgf/cm²)

Front wheel:
Type: Disc
Wheel size: 17 x 1.60
Rear wheel:
Type: Disc
Wheel size: 17 x MT2.15

Brake:
Type: Single disc brake

Operation: Right hand operation
Recommended fluid: DOT 4

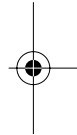
Rear brake:
Type: Single disc brake
Operation: Right foot operation
Recommended fluid: DOT 4

Front suspension:
Type: Telescopic fork
Spring/shock absorber type: Coil spring/oil damper
Wheel travel: 225.0 mm (8.86 in)

Rear suspension:
Type: Swingarm (link suspension)
Spring/shock absorber type: Coil spring/gas-oil damper
Wheel travel: 180.0 mm (7.09 in)

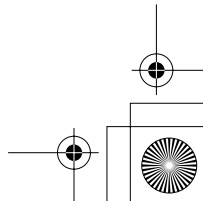
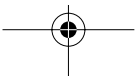
Electrical system:
Ignition system: CDI
Charging system: AC magneto

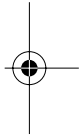
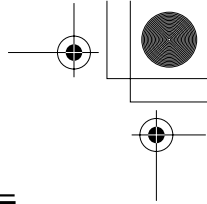
Battery:
Model: YTZ7S



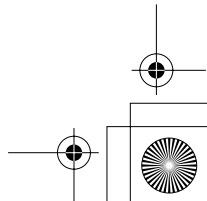
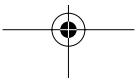
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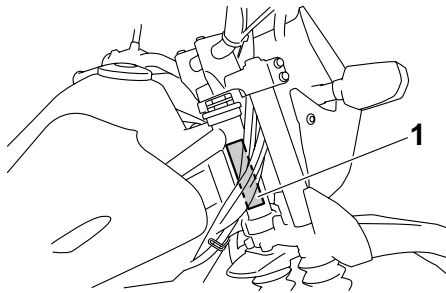
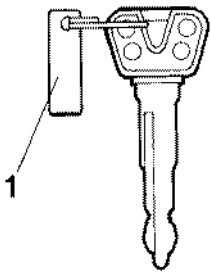
CONSUMER INFORMATION

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Key identification number

Vehicle identification number



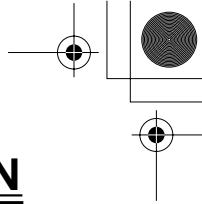
Key identification number

1. Vehicle identification number

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

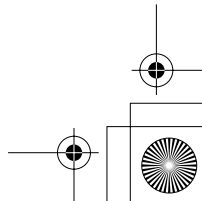
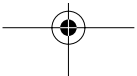
The vehicle identification number is stamped into the steering head pipe. Record this number in the space provided.

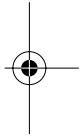
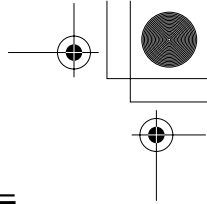
NOTE: _____
The vehicle identification number is used to identify your motorcycle and may be used to register your motorcycle with the licensing authority in your area.



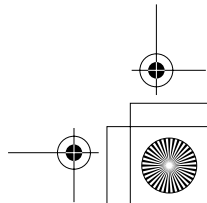
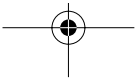
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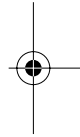
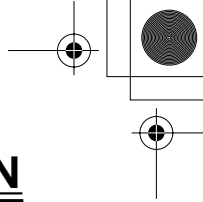
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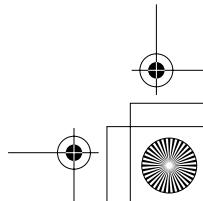
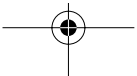
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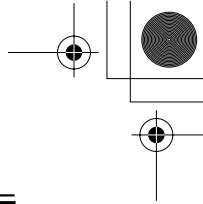
could cause a crash or could cause injury or death, you should immediately notify the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Yamaha Motor Corporation, U.S.A. NHTSA may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may issue a recall campaign. However, NHTSA cannot become involved in individual problems or complaints. For more information, contact NHTSA, U.S.A. NHTSA Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to <http://www.safercar.gov>.



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PROHIBITED:

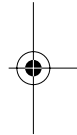
ing thereof: (1) The removal or rendering inoperative by any person other
 cement of any device or element of design incorporated into any new ve-
 e or delivery to the ultimate purchaser or while it is in use or (2) the use of
 has been removed or rendered inoperative by any person.
 "STITUTE TAMPERING ARE THE ACTS LISTED BELOW".
 systems; i.e., modification, removal, etc.

Exhaust system

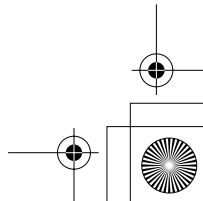
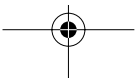
- Muffler
- Exhaust pipe
- Silencer

Intake system

- Air cleaner case
- Air cleaner element
- Intake duct



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CONSUMER INFORMATION

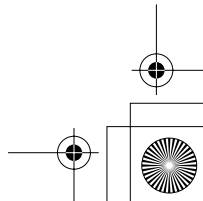
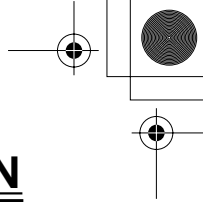
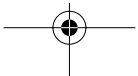
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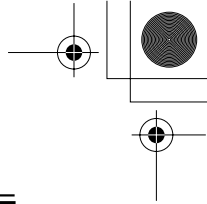
urchased and installed on your motorcycle will be required to document that with the emissions warranty. The chart below is printed only as a reminder table proof of maintenance work.

Mileage	Servicing dealer name and address	Remarks

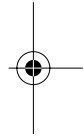
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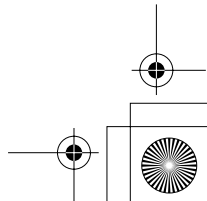
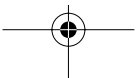


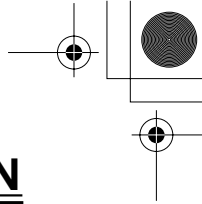


Mileage	Servicing dealer name and address	Remarks



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CONSUMER INFORMATION

EAU26663

YAMAHA MOTOR CORPORATION, U.S.A. STREET AND ENDURO MOTORCYCLE LIMITED

CUSTOMER'S RESPONSIBILITY under this warranty shall be to: inspect and maintain the motorcycle as specified in the appropriate Owner's Manual, and report any and all apparent defects within ten (10) days of discovery, and make the machine available for inspection and repairs at such dealer's expense for this service.

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

CONTROL SYSTEM WARRANTY: Yamaha Motor Corporation, U.S.A. warrants to the original purchaser and each subsequent purchaser of a Yamaha motorcycle covered by this warranty with a displacement of 50cc or greater, that the vehicle is built, and equipped so as to conform to the requirements with all U.S. emissions standards applicable at the time of manufacture and that it is free from defects in materials and workmanship which would cause it not to meet these standards within the period listed below. Failures other than those resulting from defects in material or workmanship, which arise as a result of owner abuse and/or lack of proper maintenance, are not covered by this warranty.

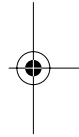
Engine Displacement	Period
Under 50cc	6,000 km (3,750 miles) or five years, whichever occurs first
50cc to 169cc	12,000 km (7,465 miles) or five years whichever occurs first
170cc to 279cc	18,000 km (11,185 miles) or five years, whichever occurs first
280cc and over	30,000 km (18,641 miles) or five years, whichever occurs first

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

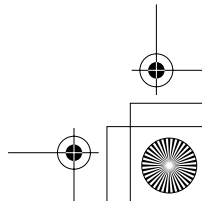
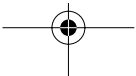
SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. ALSO EXCLUDED FROM THIS WARRANTY ARE ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING LOSS OF USE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU.

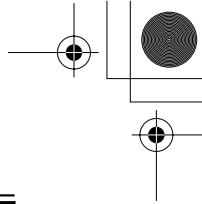
THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

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



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CUSTOMER SERVICE

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

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

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

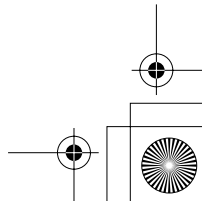
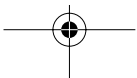
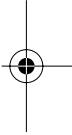
CHANGE OF ADDRESS

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

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

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

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



CONSUMER INFORMATION

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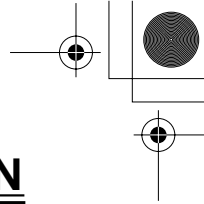
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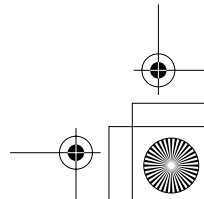
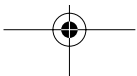
- In addition, Travel and Recreation Interruption Protection (TRIP) is included at no extra cost. TRIP gives you up to \$150 reimbursement per occurrence for any reasonable expenses you incur because your Yamaha needs covered service: replacement vehicle rental, emergency towing, phone calls, even food and lodging when you are away from home. This superb coverage goes into effect when you purchase Y.E.S., so it applies to any warranty repairs as well as covered repairs during your entire Y.E.S. plan period.
- Y.E.S. coverage is honored at any authorized Yamaha dealer nationwide.
- Y.E.S. coverage is transferable to a new owner if you sell or trade-in. That can make your Yamaha much more valuable!

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



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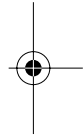
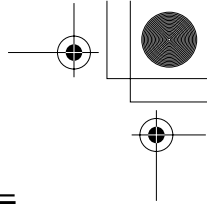


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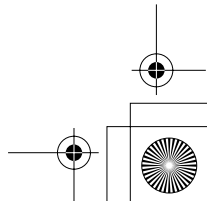
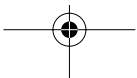
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YAMAHA EXTENDED SERVICE

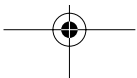
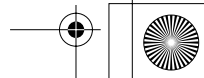
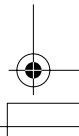
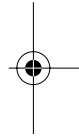
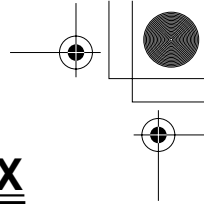


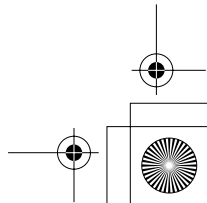
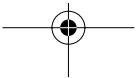
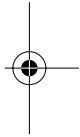
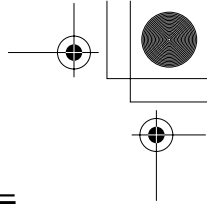
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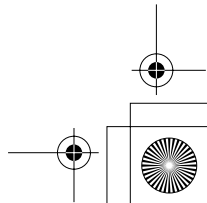
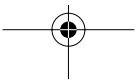
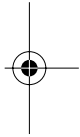
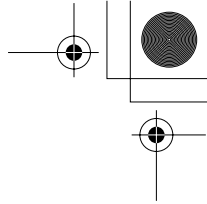
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