YAMAHA

OWNER'S MANUAL

⚠ Read this manual carefully before operating this vehicle.



MOTORCYCLE

FZN250-A

B9X-F819V-E1

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EAU46094

⚠ Read this manual carefully before operating this vehicle. This manual should stay with this vehicle if it is sold.

EAU10103

Welcome to the Yamaha world of motorcycling!
As the owner of the FZ 25 (FZN250-A), you are benefiting from Yamaha's vast experience and newest technology regarding the design and manufacture of high-quality products, which have earned Yamaha a reputation for dependability.
Please take the time to read this manual thoroughly, so as to enjoy all advantages of your FZ 25 (FZN250-A). The Owner's Manual does not only instruct you in how to operate, inspect and maintain your motorcycle, but also in how to safeguard yourself and others from trouble and injury.
In addition, the many tips given in this manual will help keep your motorcycle in the best possible condition. If you have any further questions, do not hesitate to contact your Yamaha dealer.
The Yamaha team wishes you many safe and pleasant rides. So, remember to put safety first!
Yamaha continually seeks advancements in product design and quality. Therefore, while this manual contains the most current product information available at the time of printing, there may be minor discrepancies between your motorcycle and this manual. If there is any question concerning this manual, please consult a Yamaha dealer.

EWA10032

⚠ WARNING

Please read this manual carefully and completely before operating this motorcycle.

Important manual information

EAU10134

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

⚠	**This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.**
⚠ WARNING	**A WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.**
NOTICE	**A NOTICE indicates special precautions that must be taken to avoid damage to the vehicle or other property.**
TIP	A TIP provides key information to make procedures easier or clearer.

*Product and specifications are subject to change without notice.

EAUE0011

FZ 25 (FZN250-A)
OWNER'S MANUAL
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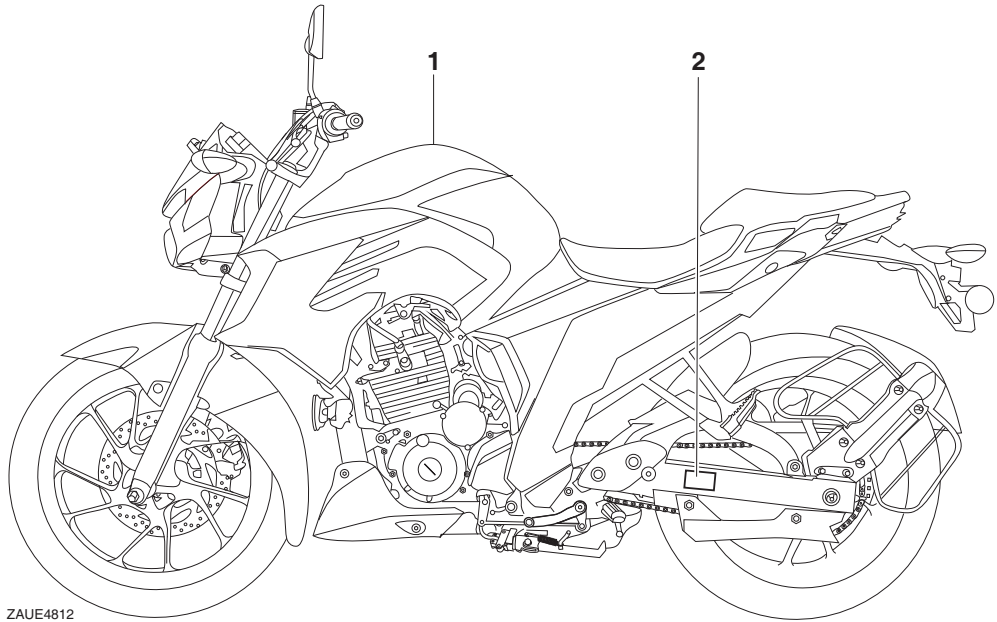
Location of important labels

EAU10385

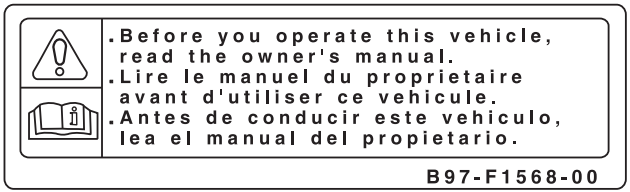
1

Read and understand all of the labels on your vehicle. They contain important information for safe and proper operation of your vehicle. Never remove any labels from your vehicle. If a label becomes difficult to read or comes off, a replacement label is available from your Yamaha dealer.

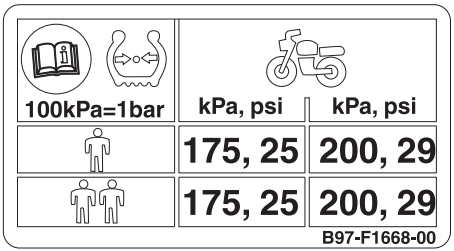


ZAUE4812

1


.Before you operate this vehicle,
read the owner's manual.
.Lire le manuel du proprietaire
avant d'utiliser ce vehicule.
.Antes de conducir este vehiculo,
lea el manual del propietario.
B97-F1568-00

2


100kPa=1bar
kPa, psi
kPa, psi
175, 25
200, 29
175, 25
200, 29
B97-F1668-00

ZAUE2873

EAU1028C

Be a Responsible Owner

As the vehicle's owner, you are responsible for the safe and proper operation of your motorcycle.

Motorcycles are single-track vehicles. Their safe use and operation are dependent upon the use of proper riding techniques as well as the expertise of the operator. Every operator should know the following requirements before riding this motorcycle.

He or she should:

- Obtain thorough instructions from a competent source on all aspects of motorcycle operation.
- Observe the warnings and maintenance requirements in this Owner's Manual.
- Obtain qualified training in safe and proper riding techniques.
- Obtain professional technical service as indicated in this Owner's Manual and/or when made necessary by mechanical conditions.
- Never operate a motorcycle without proper training or instruction. Take a training course. Beginners should receive training from a certified instructor. Contact an authorized motorcycle dealer to find out about the training courses nearest you.

Safe Riding

Perform the pre-operation checks each time you use the vehicle to make sure it is in safe operating condition. Failure to inspect or maintain the vehicle properly increases the possibility of an accident or equipment damage. See page 5-1 for a list of pre-operation checks.

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

Therefore:

- Wear a brightly colored jacket.
- Use extra caution when you are approaching and passing through intersections, since intersections are the most likely places for motorcycle accidents to occur.
- Ride where other motorists can see you. Avoid riding in another motorist's blind spot.
- Never maintain a motorcycle without proper knowledge. Contact an authorized motorcycle dealer to inform you on basic motorcycle maintenance. Certain maintenance can only be carried out by certified staff.

- 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 warranted by road and traffic conditions.
  - Always signal before turning or changing lanes. Make sure that other motorists can see you.
- The posture of the operator and passenger is important for proper control.
  - The operator should keep both hands on the handlebar and both feet on the operator footrests during operation to maintain control of the motorcycle.
  - The passenger should always hold onto the operator, the seat strap or grab bar, if equipped, with both hands and keep both feet on the passenger footrests. Never carry a passenger unless he or she can firmly place both feet on the passenger footrests.
- Never ride under the influence of alcohol or other drugs.
- This motorcycle is designed for on-road use only. It is not suitable for off-road use.

Protective Apparel

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

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

Avoid Carbon Monoxide Poisoning

All engine exhaust contains carbon monoxide, a deadly gas. Breathing carbon monoxide can cause headaches, dizziness, drowsiness, nausea, confusion, and eventually death.

Carbon Monoxide is a colorless, odorless, tasteless gas which may be present even if you do not see or smell any engine exhaust. Deadly levels of carbon monoxide can collect rapidly and you can quickly be overcome and unable to save yourself. Also, deadly levels of carbon monoxide can linger for hours or days in enclosed or poorly ventilated areas. If you experience any symptoms of carbon monoxide poisoning, leave the area immediately, get fresh air, and SEEK MEDICAL TREATMENT.

- Do not run engine indoors. Even if you try to ventilate engine exhaust with fans or open windows and doors, carbon monoxide can rapidly reach dangerous levels.
- Do not run engine in poorly ventilated or partially enclosed areas such as barns, garages, or carports.
- Do not run engine outdoors where engine exhaust can be drawn into a building through openings such as windows and doors.

Loading

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, along with the information about accessories below, are some general guidelines to follow if loading cargo to your motorcycle:

The total weight of the operator, passenger, accessories and cargo must not exceed the maximum load limit. **Operation of an overloaded vehicle could cause an accident.**

Maximum load:
165 kg (364 lb)

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

- Cargo and accessory weight should be kept as low and close to the motorcycle as possible. Securely pack your heaviest items as close to the center of the vehicle as possible and make sure to distribute the weight as evenly as possible on both sides of the motorcycle to minimize imbalance or instability.
- Shifting weights can create a sudden imbalance. Make sure that accessories and cargo are securely attached to the motorcycle before riding. Check accessory mounts and cargo restraints frequently.
  - Properly adjust the suspension for your load (suspension-adjustable models only), and check the condition and pressure of your tires.
  - Never attach any large or heavy items to the handlebar, front fork, or front fender. These items, including such cargo as sleeping bags, duffel bags, or

tents, can create unstable handling or a slow steering response.

- **This vehicle is not designed to pull a trailer or to be attached to a sidecar.**

Genuine Yamaha Accessories

Choosing accessories for your vehicle is an important decision. Genuine Yamaha accessories, which are available only from a Yamaha dealer, have been designed, tested, and approved by Yamaha for use on your vehicle.

Many companies with no connection to Yamaha manufacture parts and accessories or offer other modifications for Yamaha vehicles. Yamaha is not in a position to test the products that these aftermarket companies produce. Therefore, Yamaha can neither endorse nor recommend the use of accessories not sold by Yamaha or modifications not specifically recommended by Yamaha, even if sold and installed by a Yamaha dealer.

Aftermarket Parts, Accessories, and Modifications

While you may find aftermarket products similar in design and quality to genuine Yamaha accessories, recognize that some aftermarket accessories or modifications are not suitable because of potential safety hazards to you or others. Installing aftermarket products or having other modifications performed to your vehicle that change any of the vehicle's design or operation characteristics can put you and others at greater risk of serious injury or death. You are responsible for injuries related to changes in the vehicle.

Keep the following guidelines in mind, as well as those provided under "Loading" when mounting accessories.

- Never install accessories or carry cargo that would impair the performance of your motorcycle. Carefully inspect the accessory before using it to make sure that it does not in any way reduce ground clearance or cornering clearance, limit suspension travel, steering travel or control operation, or obscure lights or reflectors.
- Accessories fitted to the handlebar or the front fork area can create instability due to improper weight distribution or aerodynamic changes. If accessories are added to the handlebar or front fork area, they must be as lightweight as possible and should be kept to a minimum.
- Bulky or large accessories may seriously affect the stability of the motorcycle due to aerodynamic effects. Wind may attempt to lift the motorcycle, or the motorcycle may become unstable in cross winds. These accessories may also cause instability when passing or being passed by large vehicles.
- Certain accessories can displace the operator from his or her normal riding position. This improper position limits the freedom of movement of the

operator and may limit control ability, therefore, such accessories are not recommended.

- Use caution when adding electrical accessories. If electrical accessories exceed the capacity of the motorcycle's electrical system, an electric failure could result, which could cause a dangerous loss of lights or engine power.

Aftermarket Tires and Rims

The tires and rims that came with your motorcycle were designed to match the performance capabilities and to provide the best combination of handling, braking, and comfort. Other tires, rims, sizes, and combinations may not be appropriate. See page 7-16 for tire specifications and for information on servicing and replacing your tires.

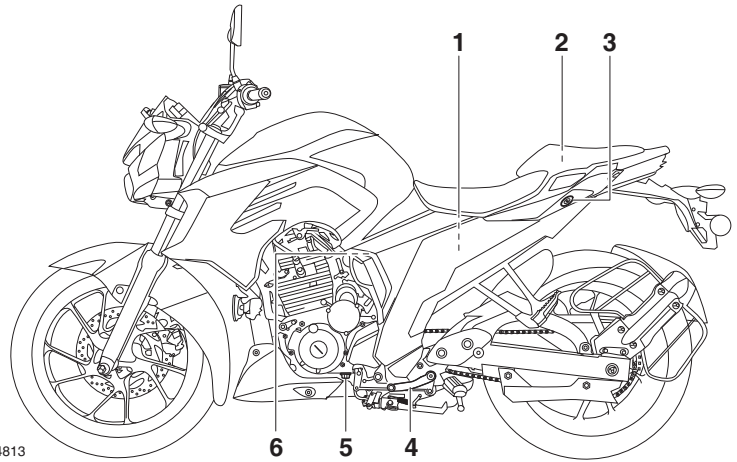
Transporting the Motorcycle

Be sure to observe following instructions before transporting the motorcycle in another vehicle.

- Remove all loose items from the motorcycle.
- Check that the fuel cock (if equipped) is in the off position and that there are no fuel leaks.
- Shift the transmission into gear (for models with a manual transmission).
- Secure the motorcycle with tie-downs or suitable straps that are attached to solid parts of the motorcycle, such as the frame or upper front fork triple clamp (and not, for example, to rubber-mounted handlebars or turn signals, or parts that could break). Choose the location for the straps carefully so the straps will not rub against painted surfaces during transport.
- The suspension should be compressed somewhat by the tie-downs, if possible, so that the motorcycle will not bounce excessively during transport.

EAU10411

Left view

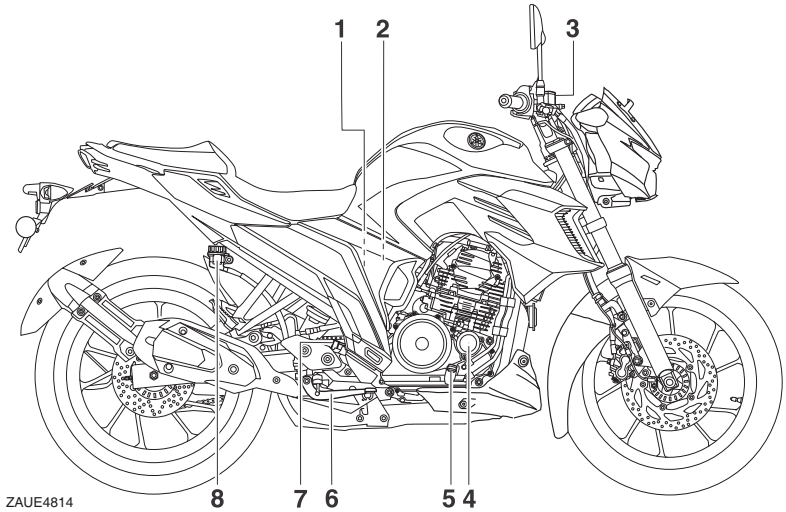


ZAUE4813

1. Air filter element (page 7-13)
2. Owner's tool kit (page 7-1)
3. Seat lock (page 4-12)
4. Shift pedal (page 4-8)
5. Engine oil drain bolt (page 7-10)
6. Idle adjusting screw (page 7-15)

EAU10421

Right view

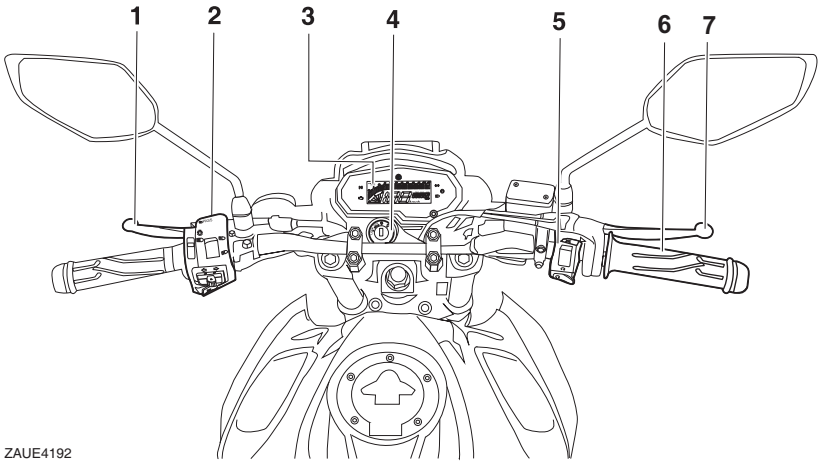


ZAUE4814

1. Battery (page 7-29)
2. Fuse (page 7-30)
3. Front brake fluid reservoir (page 7-21)
4. Engine oil filter element (page 7-10)
5. Engine oil dipstick (page 7-10)
6. Brake pedal (page 4-9)
7. Rear brake light switch (page 7-20)
8. Rear brake fluid reservoir (page 7-21)

EAU10431

Controls and instruments

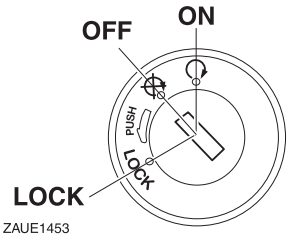


ZAUE4192

1. Clutch lever (page 4-8)
2. Left handlebar switches (page 4-6)
3. Multi-function display (page 4-3)
4. Main switch/steering lock (page 4-1)
5. Right handlebar switches (page 4-6)
6. Throttle grip (page 7-15)
7. Brake lever (page 4-8)

EAU10462

Main switch/steering lock



ZAUE1453

The main switch/steering lock controls the ignition and lighting systems, and is used to lock the steering. The various positions are described below.

EAUE3340

∩ (on)

All electrical circuits are supplied with power. The meter lighting, taillight, license plate light and auxiliary lights come on, and the engine can be started. The key cannot be removed.

TIP

The headlight comes on automatically when the engine is started and stays on even if engine stop switch turn to "⊠". The headlight will turn off when the key is turned to "⊠".

EAU54301

⊠ (off)

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

EWA16371

⚠ WARNING

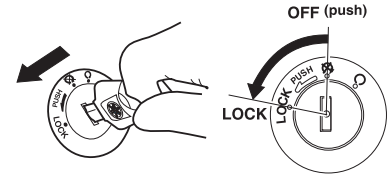
Never turn the key to "⊠" or "LOCK" while the vehicle is moving. Otherwise the electrical systems will be switched off, which may result in loss of control or an accident.

EAU79610

LOCK

The steering is locked and all electrical systems are off. The key can be removed.

To lock the steering



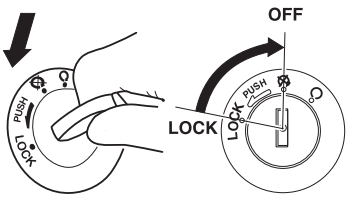
ZAUE2876

1. Turn the handlebars all the way to the left or right.
2. With the key in the "⊠" position, push the key in and turn it to "LOCK".
3. Remove the key.

TIP

If the steering will not lock, try turning the handlebars slightly left or right.

To unlock the steering

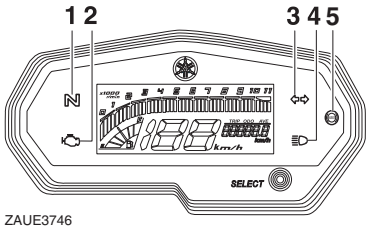


ZAUE3638 Lock (push)

From the “LOCK” position, push the key and turn it to “⊠”.

EAU1100E

Indicator lights and warning light



ZAUE3746

1. Neutral indicator light “ N ”
2. Engine trouble warning light “”
3. Turn signal indicator light “ ”
4. High beam indicator light “”
5. Anti-lock Brake System (ABS) warning light

EAU11022

Turn signal indicator light “ ”

This indicator light flashes when a turn signal light is flashing.

EAU11061

Neutral indicator light “ N ”

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

EAU11081

High beam indicator light “”

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

EAU73172

Engine trouble warning light “”

This warning light comes on if a problem is detected in the engine or other vehicle control system. If this occurs, have a Yamaha dealer check the on-board diagnostic system.

TIP

When the vehicle is turned on, the light will come on for a few seconds and then go off. If the light does not come on, or if the light remains on, have a Yamaha dealer check the vehicle.

EAU69895

ABS warning light “”

This warning light comes on when the vehicle is first turned on, and goes off after starting riding. If the warning light comes on while riding, the anti-lock brake system may not work correctly.

4

EWA16043

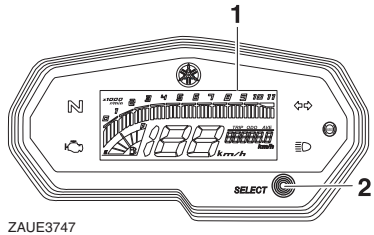
⚠ WARNING

If the ABS warning light does not turn off after reaching 10 km/h (6 mi/h), or if the warning light comes on while riding:

- **Use extra caution to avoid possible wheel lock during emergency braking.**
- **Have a Yamaha dealer check the vehicle as soon as possible.**

EAU79723

Multi-function display



ZAUE3747

1. Multi-function display
2. Selection button “SELECT”

EWA12313

⚠ WARNING

Be sure to stop the vehicle before making any setting changes to the multi-function display. Changing settings while riding can distract the operator and increase the risk of an accident.

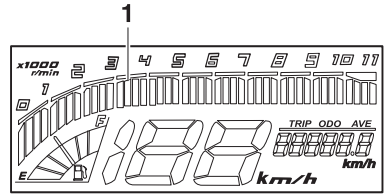
The multi-function display is equipped with the following:

- speedometer
- tachometer
- fuel meter
- odometer
- two tripmeters
- fuel reserve tripmeter
- instantaneous fuel consumption
- average fuel consumption
- clock
- self-diagnosis device

Speedometer

The speedometer shows the vehicle’s traveling speed in kilometers per hour (km/h).

Tachometer



ZAUE3748

1. Tachometer

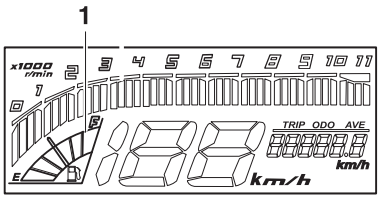
The tachometer shows the engine speed in revolutions per minute (r/min) x 1000. The tachometer is used to monitor the engine speed and keep it within the ideal power range.

ECAE0060

NOTICE

When the engine speed is 9251 r/min and above, all tachometer segments will flash.
Do not operate the engine in this zone.

Fuel meter



ZAUE3749

1. Fuel meter

The fuel meter indicates the amount of fuel in the fuel tank. The display segments of the fuel meter disappear from "F" (full) towards "E" (empty) as the fuel level decreases. When approximately 2.1 L (0.55 US gal, 0.46 Imp.gal) of fuel remains, the last segment of the fuel meter and the fuel level warning indicator "⛽" will start flashing. When this occurs, refuel as soon as possible.

TIP

If the last segment continues to flash after fueling, or if all segments are flashing, have a Yamaha dealer check the electrical system.

Odometer and tripmeters

A brief push (less than one second) on the "SELECT" button alternately switches the display between the odometer "ODO" and tripmeters "TRIP 1" and "TRIP 2", instantaneous fuel consumption "Km/L", average fuel consumption "AVE_ _._ Km/L" and clock "CLOCK" in the following order:

ODO → TRIP 1 → TRIP 2 → Km/L → AVE_ _._ Km/L → CLOCK → ODO

Odometer

The odometer shows the total distance traveled by the vehicle.

Tripmeters

The tripmeter shows the total distance traveled since it was last reset.
To reset a tripmeter, select it by pushing the "SELECT" button for one second.

TIP

- The odometer will lock at 999999 and cannot be reset.
- The tripmeters will automatically reset and continue counting after 999.9 is reached.

Fuel reserve tripmeter

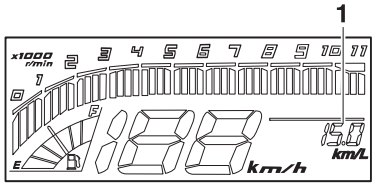
The fuel reserve tripmeter shows the total distance traveled since the fuel level warning light comes on.
If the last segment of the fuel meter starts flashing, the display automatically changes to the fuel reserve tripmeter mode "TRIP F" and starts counting the distance traveled from that point. In this case, push the "SELECT" button to switch the display between the various tripmeter, odometer, instantaneous fuel consumption and average fuel consumption in the following order:

TRIP F → TRIP 1 → TRIP 2 → Km/L → AVE_ _._ Km/L → CLOCK → ODO → TRIP F

TIP

You can manually reset the fuel reserve tripmeter, or after refueling and traveling 5 km (3 mi), it will reset automatically and disappear from the display.

Instantaneous fuel consumption



ZAUE3750

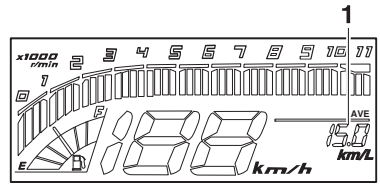
1. Instantaneous fuel consumption display

- "Km/L": The distance that can be traveled on 1.0 L of fuel under the current riding conditions is shown.

TIP

If traveling at speeds under 10 km/h (6 mi/h), "_ _._" is displayed.

Average fuel consumption



ZAUE3751

1. Average fuel consumption display

This shows the average fuel consumption since it was last reset.

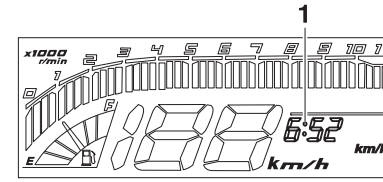
- "AVE_ _._ Km/L": The average distance that can be traveled on 1.0 L of fuel is shown.

To reset the average fuel consumption, push the "SELECT" button for one second.

TIP

After resetting the average fuel consumption, "_ _._" is shown until the vehicle has traveled 0.1 km (0.06 mi).

Clock



ZAUE3752

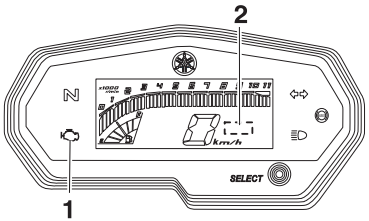
1. Clock

To set the clock

1. Turn the key to "○".
2. Push the "SELECT" switch to change the display to the clock mode.
3. Push the "SELECT" button for two seconds, and the hour digits will start flashing.
4. Use the "SELECT" button to set the hours.

5. Push the “SELECT” button for two seconds, and the minute digits will start flashing.
6. Use the “SELECT” button to set the minutes.
7. Push the “SELECT” button for two seconds to confirm settings and start the clock.

Self-diagnosis mode



ZAUE3753

1. Engine trouble warning light “ ”
2. Error code display

This model is equipped with a self-diagnosis function for various electrical circuits.
If a problem is detected in any of those circuits, the engine trouble warning light will come on and the display will indicate an error code.
If the display indicates any error codes, note the code number and have a Yamaha dealer check the vehicle.

ECA11591

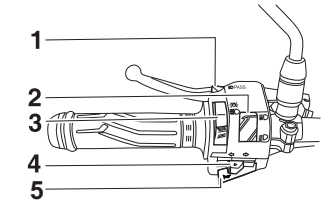
NOTICE

If the display indicates an error code, the vehicle should be checked as soon as possible in order to avoid engine damage.

EAU1234R

Handlebar switches

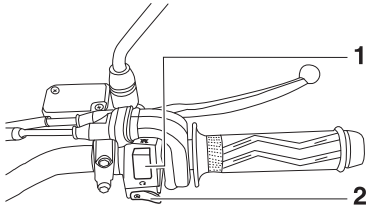
Left



ZAUE4193

1. Pass switch “PASS”
2. Dimmer switch “ ”
3. Headlight switch “ ”
4. Turn signal switch “ ”
5. Horn switch “ ”

Right



ZAUE3754

1. Engine stop switch "○/⊠"
2. Start switch "Ⓢ"

EAU12362

Pass switch "PASS"

Press this switch to flash the headlight.

TIP

When the dimmer switch is set to "≣○", the passing switch has no effect.

EAU12402

Dimmer switch "≣○/≣○"

Set this switch to "≣○" for the high beam and to "≣○" for the low beam.

EAUE4381

Headlight switch "☼/≣○"

This model is equipped with a headlight and a daytime running light (DRL). Switch to "☼" to turn on the headlight. When the headlight is turned on, the DRL is dimmed to auxiliary mode. Switch to "≣○" to turn off the headlight and DRL will come on to help maintain daylight visibility.

TIP

The lights will come on when the engine is started and remain on until the key is set to "⊠".

EAU12461

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.

EAU12501

Horn switch "🔊"

Press this switch to sound the horn.

EAU12664

Engine stop switch "○/⊠"

Set this switch to "○" (run) before starting the engine. Set this switch to "⊠" (stop) to stop the engine in case of an emergency, such as in the event of an overturn or if the throttle is stuck.

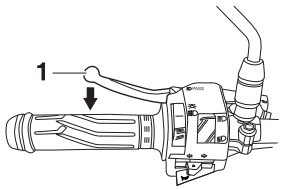
EAU12713

Start switch "Ⓢ"

Push this switch to crank the engine with the starter. See page 6-2 for starting instructions prior to starting the engine.

EAU31642

Clutch lever



ZAUE4194

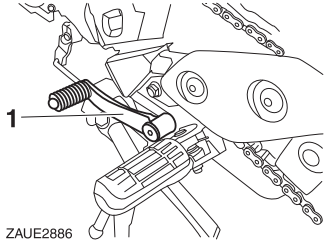
1. Clutch lever

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

The clutch lever is equipped with a clutch switch, which is part of the starting circuit cut-off system.

EAU12876

Shift pedal



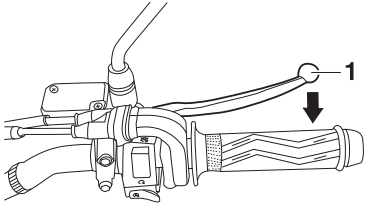
ZAUE2886

1. Shift pedal

The shift pedal is located on the left side of the motorcycle. To shift the transmission to a higher gear, move the shift pedal up. To shift the transmission to a lower gear, move the shift pedal down. (See page 6-2.)

EAU12892

Brake lever



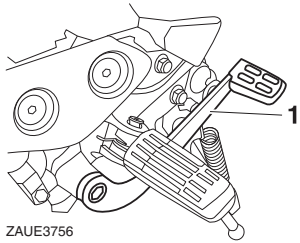
ZAUE3755

1. Brake lever

The brake lever is located on the right side of the handlebar. To apply the front brake, pull the lever toward the throttle grip.

EAU12944

Brake pedal



1. Brake pedal

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

EAU63040

ABS

The Yamaha ABS (Anti-lock Brake System) features a dual electronic control system, which acts on the front and rear brakes independently.

Operate the brakes with ABS as you would conventional brakes. If the ABS is activated, a pulsating sensation may be felt at the brake lever or brake pedal. In this situation, continue to apply the brakes and let the ABS work; do not "pump" the brakes as this will reduce braking effectiveness.

EWA16051

⚠ WARNING

Always keep a sufficient distance from the vehicle ahead to match the riding speed even with ABS.

- **The ABS performs best with long braking distances.**
- **On certain surfaces, such as rough or gravel roads, the braking distance may be longer with the ABS than without.**

The ABS is monitored by an ECU, which will revert the system to conventional braking if a malfunction occurs.

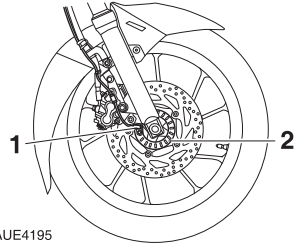
TIP

- The ABS performs a self-diagnosis test each time the vehicle first starts off after the key is turned to "ON" and the vehicle has traveled at a speed of 10 km/h (6 mi/h) or higher. During this test, a "clicking" noise can be heard from the hydraulic control unit, and if the brake lever or brake pedal is even slightly applied, a vibration can be felt at the lever and pedal, but these do not indicate a malfunction.
- This ABS has a test mode which allows the owner to experience the pulsation at the brake lever or brake pedal when the ABS is operating. However, special tools are required, so please consult your Yamaha dealer.

ECA20100

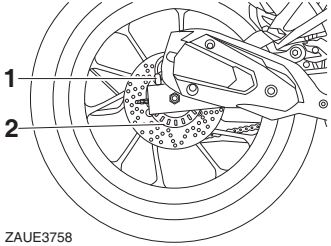
NOTICE

Be careful not to damage the wheel sensor or wheel sensor rotor; otherwise, improper performance of the ABS will result.



ZAUE4195

1. Front wheel sensor
2. Front wheel sensor rotor

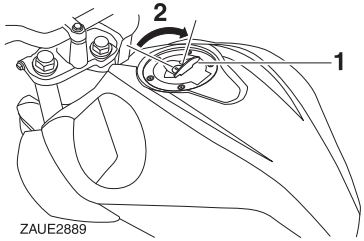


ZAUE3758

1. Rear wheel sensor
2. Rear wheel sensor rotor

EAUE1482

Fuel tank cap



ZAUE2889

1. Fuel tank cap lock cover
2. Unlock.

To remove the fuel tank cap

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

To install the fuel tank cap

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

TIP

The fuel tank cap cannot be installed unless the key is in the lock. In addition, the key cannot be removed if the cap is not properly installed and locked.

EWA11142

⚠ WARNING

Make sure that the fuel tank cap is properly installed before riding. Leaking fuel is a fire hazard.

4

EAU13213

Fuel

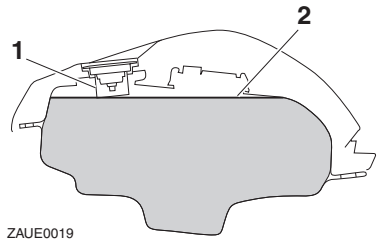
Make sure there is sufficient gasoline in the tank.

EWA10882

⚠ WARNING

Gasoline and gasoline vapors are extremely flammable. To avoid fires and explosions and to reduce the risk of injury when refueling, follow these instructions.

1. Before refueling, turn off the engine and be sure that no one is sitting on the vehicle. Never refuel while smoking, or while in the vicinity of sparks, open flames, or other sources of ignition such as the pilot lights of water heaters and clothes dryers.
2. Do not overfill the fuel tank. Stop filling when the fuel reaches the bottom of the filler tube. Because fuel expands when it heats up, heat from the engine or the sun can cause fuel to spill out of the fuel tank.



ZAUE0019

1. Fuel tank filler tube
2. Maximum fuel level

3. Wipe up any spilled fuel immediately. ***NOTICE:*** **Immediately wipe off spilled fuel with a clean, dry, soft cloth, since fuel may deteriorate painted surfaces or plastic parts.** [ECA10072]
4. Be sure to securely close the fuel tank cap.

EWA15152

⚠ WARNING

Gasoline is poisonous and can cause injury or death. Handle gasoline with care. Never siphon gasoline by mouth. If you should swallow some gasoline or inhale a lot of gasoline vapor, or get some gasoline in your eyes, see your doctor immediately. If gasoline spills on your skin, wash with soap and water. If gasoline spills on your clothing, change your clothes.

EAU37883

Recommended fuel:
Unleaded gasoline (E10 acceptable)
Fuel tank capacity:
14 L (3.7 US gal, 3.1 Imp.gal)

ECA11401

NOTICE

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.

EAU13435

Catalytic converter

The exhaust system contains catalytic converter(s) to reduce harmful exhaust emissions.

EWA10863

⚠ WARNING

The exhaust system is hot after operation. To prevent a fire hazard or burns:

- **Do not park the vehicle near possible fire hazards such as grass or other materials that easily burn.**
- **Park the vehicle in a place where pedestrians or children are not likely to touch the hot exhaust system.**
- **Make sure that the exhaust system has cooled down before doing any maintenance work.**
- **Do not allow the engine to idle more than a few minutes. Long idling can cause a build-up of heat.**

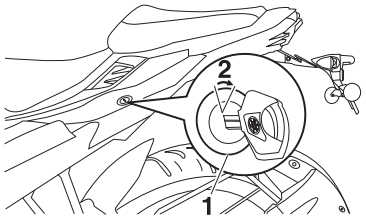
EAUE2483

Seats

Passenger seat

To remove the passenger seat

1. Insert the key into the seat lock, and then turn it clockwise.



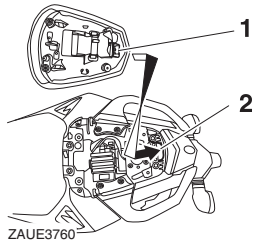
ZAUE4196

1. Passenger seat lock
2. Unlock.

2. While holding the key in the unlock position, lift the front of the passenger seat and pull it forward.

To install the passenger seat

1. Insert the projection on the rear of the passenger seat into the seat holder as shown, and then push the front of the seat down to lock it in place.



ZAUE3760

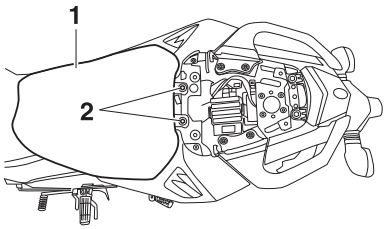
1. Projection
2. Seat holder

2. Remove the key.

Rider seat

To remove the rider seat

1. Remove the passenger seat. (See page 4-12.)
2. Remove the rider seat bolts, then lift the rear of the seat and pull it backward.

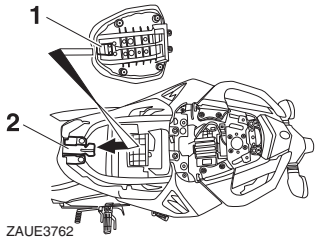


ZAUE3761

1. Rider seat
2. Bolt

To install the rider seat

1. Insert the projection on the front of the rider seat into the seat holder as shown, and then place the seat in the original position.



ZAUE3762

1. Projection
2. Seat holder

2. Install the two rider seat bolts, and then tighten the bolts to the specified torque.

Tightening torque:
Bolt:
7 N·m (0.7 kgf·m, 5.2 lb·ft)

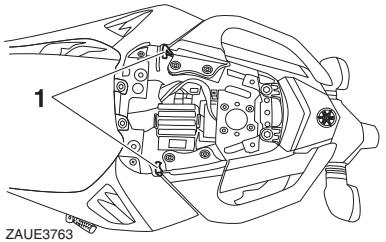
3. Install the passenger seat.

TIP

Make sure that the seats are properly secured before riding.

EAU47531

Helmet holder



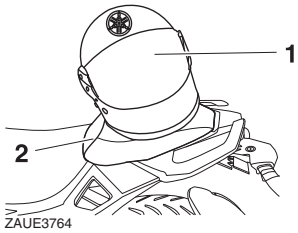
ZAUE3763

1. Helmet holder

The helmet holder is located on the bottom of the passenger seat.

To secure a helmet to the helmet holder

1. Remove the passenger seat. (See page 4-12.)
2. Attach the helmet to the helmet holder, and then securely install the passenger seat. **WARNING! Never ride with a helmet attached to the helmet holder, since the helmet may hit objects, causing loss of control and possibly an accident.** [EWA10162]



1. Helmet
2. Passenger seat

To release the helmet from the helmet holder

Remove the passenger seat, remove the helmet from the helmet holder, and then install the seat.

EAU15306

Sidestand

The sidestand is located on the left side of the frame. Raise the sidestand or lower it with your foot while holding the vehicle upright.

TIP

The built-in sidestand switch is part of the ignition circuit cut-off system, which cuts the ignition in certain situations. (See the following section for an explanation of the ignition circuit cut-off system.)

EWA10242

⚠ WARNING

The vehicle must not be ridden with the sidestand down, or if the sidestand cannot be properly moved up (or does not stay up), otherwise the sidestand could contact the ground and distract the operator, resulting in a possible loss of control. Yamaha's ignition circuit cut-off system has been designed to assist the operator in fulfilling the responsibility of raising the sidestand before starting off. Therefore, check this system regularly and have a Yamaha dealer repair it if it does not function properly.

EAU44895

Ignition circuit cut-off system

This system prevents in-gear engine starts unless the clutch lever is pulled and the sidestand is up. Also, it will stop the running engine should the sidestand be lowered while the transmission is in gear.

Periodically check the system via the following procedure.

TIP

- This check is most reliable if performed with a warmed-up engine.
- See pages 4-1 and 4-6 for switch operation information.

With the engine turned off:
1. Move the sidestand down.
2. Set engine stop switch to run position.
3. Turn main switch to on position.
4. Shift transmission into neutral.
5. Push the start switch.

Does the engine start?

YES **NO** → The neutral switch may not be working. **The motorcycle should not be ridden** until checked by a Yamaha dealer.

With the engine still running:
6. Move the sidestand up.
7. Pull the clutch lever.
8. Shift transmission into gear.
9. Move the sidestand down.

Does the engine stall?

YES **NO** → The sidestand switch may not be working. **The motorcycle should not be ridden** until checked by a Yamaha dealer.

After the engine has stalled:
10. Move the sidestand up.
11. Pull the clutch lever.
12. Push the start switch.

Does the engine start?

YES **NO** → The clutch switch may not be working. **The motorcycle should not be ridden** until checked by a Yamaha dealer.

The system is OK. **The motorcycle can be ridden.**

⚠ WARNING

If a malfunction is found, have the vehicle inspected before riding.

For your safety – pre-operation checks

EAU1559B

Inspect your vehicle each time you use it to make sure the vehicle is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in the Owner's Manual.

EWA11152

⚠ WARNING

Failure to inspect or maintain the vehicle properly increases the possibility of an accident or equipment damage. Do not operate the vehicle if you find any problem. If a problem cannot be corrected by the procedures provided in this manual, have the vehicle inspected by a Yamaha dealer.

Before using this vehicle, check the following points:

ITEM	CHECKS	PAGE
Fuel	• Check fuel level in fuel tank. • Refuel if necessary. • Check fuel line for leakage.	4-11
Engine oil	• Check oil level in engine. • If necessary, add recommended oil to specified level. • Check vehicle for oil leakage.	7-10
Front brake	• Check operation. • If soft or spongy, have Yamaha dealer bleed hydraulic system. • Check brake pads for wear. • Replace if necessary. • Check fluid level in reservoir. • If necessary, add specified brake fluid to specified level. • Check hydraulic system for leakage.	7-21, 7-21
Rear brake	• Check operation. • If soft or spongy, have Yamaha dealer bleed hydraulic system. • Check brake pads for wear. • Replace if necessary. • Check fluid level in reservoir. • If necessary, add specified brake fluid to specified level. • Check hydraulic system for leakage.	7-21, 7-21

ITEM	CHECKS	PAGE
Clutch	• Check operation. • Lubricate cable end if necessary. • Check lever free play. • Adjust if necessary.	7-18
Throttle grip	• Make sure that operation is smooth. • Check throttle grip free play. • If necessary, have Yamaha dealer adjust throttle grip free play and lubricate cable end and grip housing.	7-15, 7-25
Control cables	• Make sure that operation is smooth. • Lubricate cable ends if necessary.	7-25
Drive chain	• Check chain slack. • Adjust if necessary. • Check chain condition. • Lubricate if necessary.	7-23, 7-24
Wheels and tires	• Check for damage. • Check tire condition and tread depth. • Check air pressure. • Correct if necessary.	7-16, 7-18
Brake and shift pedals	• Make sure that operation is smooth. • Lubricate pedal pivoting points if necessary.	7-25
Brake and clutch levers	• Make sure that operation is smooth. • Lubricate lever pivoting points if necessary.	7-26
Sidestand	• Make sure that operation is smooth. • Lubricate pivot if necessary.	7-27
Chassis fasteners	• Make sure that all nuts, bolts and screws are properly tightened. • Tighten if necessary.	—
Instruments, lights, signals and switches	• Check operation. • Correct if necessary.	—
Sidestand switch	• Check operation of ignition circuit cut-off system. • If system is not working correctly, have Yamaha dealer check vehicle.	4-14

EAU15952

Read the Owner's Manual carefully to become familiar with all controls. If there is a control or function you do not understand, ask your Yamaha dealer.

EWA10272

⚠ WARNING

Failure to familiarize yourself with the controls can lead to loss of control, which could cause an accident or injury.

EAU16831

Engine break-in

There is never a more important period in the life of your engine than the period between 0 and 1000 km (600 mi). For this reason, you should read the following material carefully.

Since the engine is brand new, do not put an excessive load on it for the first 1000 km (600 mi). The various parts in the engine wear and polish themselves to the correct operating clearances. During this period, prolonged full-throttle operation or any condition that might result in engine overheating must be avoided.

EAU16983

0–500 km (0–300 mi)

Avoid prolonged operation above 4500.

After every hour of operation, stop the engine, and then let it cool for five to ten minutes.

Vary the engine speed from time to time. Do not operate the engine at one set throttle position.

500–1000 km (300–600 mi)

Avoid prolonged operation above 6000.

Rev the engine freely through the gears, but do not use full throttle at any time. ***NOTICE:*** **After 1000 km (600 mi) of operation, the engine oil must be changed, the oil filter cartridge or element replaced, and the oil strainer cleaned.** [ECA10322]

1000 km (600 mi) and beyond

The vehicle can now be operated normally.

ECA10311

NOTICE

- **Keep the engine speed out of the tachometer red zone.**
- **If any engine trouble should occur during the engine break-in period, immediately have a Yamaha dealer check the vehicle.**

EAU86740

Starting the engine

The ignition circuit cut-off system will enable starting when the sidestand is be up.

To start the engine

1. Turn the main switch on.
2. Confirm the indicator and warning light(s) come on for a few seconds, and the go off. (See page 4-2.)

TIP

- Do not start the engine if the engine trouble warning light remains on.
- The ABS warning light should come on and stay on until the vehicle reaches a speed of 10 km/h (6 mi/h).

ECA24110

NOTICE

If a warning or indicator light does not work as described above, have a Yamaha dealer check the vehicle.

3. Close the throttle completely.
4. While applying the front or rear brake, push the start switch.
5. Release the start switch when the engine starts, or after 5 seconds. Wait 10 seconds before pressing the switch again to allow battery voltage to restore.

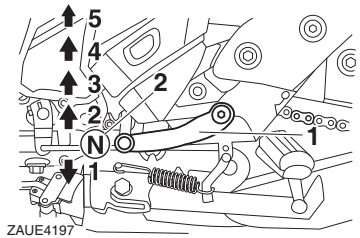
ECA11043

NOTICE

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

EAU16674

Shifting



ZAUE4197

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.

TIP

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

ECA10261

NOTICE

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

EAU16811

Tips for reducing fuel consumption

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

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

EAU17214

Parking

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

EWA10312

⚠ 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 and be burned.**
- **Do not park on a slope or on soft ground, otherwise the vehicle may overturn, increasing the risk of a fuel leak and fire.**
- **Do not park near grass or other flammable materials which might catch fire.**

EAU17246

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

The intervals given in the periodic maintenance charts should be simply considered as a general guide under normal riding conditions. However, depending on the weather, terrain, geographical location, and individual use, the maintenance intervals may need to be shortened.

EWA10322

⚠ WARNING

Failure to properly maintain the vehicle or performing maintenance activities incorrectly may increase your risk of injury or death during service or while using the vehicle. If you are not familiar with vehicle service, have a Yamaha dealer perform service.

EWA15123

⚠ WARNING

Turn off the engine when performing maintenance unless otherwise specified.

- **A running engine has moving parts that can catch on body parts or clothing and electrical parts that can cause shocks or fires.**
- **Running the engine while servicing can lead to eye injury, burns, fire, or carbon monoxide poisoning – possibly leading to death. See page 2-3 for more information about carbon monoxide.**

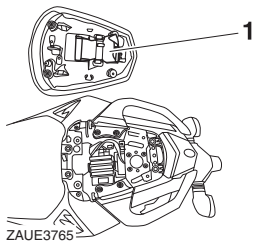
EWA15461

⚠ WARNING

Brake discs, calipers, drums, and linings can become very hot during use. To avoid possible burns, let brake components cool before touching them.

EAU85230

Tool kit



1. Tool kit

The tool kit is in the location shown.

The information included in this manual and the tools provided in the tool kit are intended to assist you in the performance of preventive maintenance and minor repairs. However, a torque wrench and other tools are necessary to perform certain maintenance work correctly.

TIP

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

EAUE4020

TIP

- From 25000 km (15000 mi), repeat the maintenance intervals starting from 5000 km (3000 mi).
- Items marked with an asterisk (*) should be performed by a Yamaha dealer as they require special tools, data and technical skills.
- Maintenance intervals marked with a double asterisk (**) would be paid service.

EAUE4030

Periodic maintenance chart for the emission control system

NO.		ITEM	CHECK OR MAINTENANCE JOB	ODOMETER READING					
				1000 km (600 mi)	5000 km (3000 mi)	10000 km (6000 mi)	15000 km** (9000 mi)	20000 km** (12000 mi)	25000 km** (15000 mi)
1	*	**Fuel line**	• Check fuel hoses for cracks or damage.	√	√	√	√	√	√
2	*	**Fuel filter**	• Check condition. • Replace if necessary.			√		√	
3		**Spark plug**	• Check condition. • Clean and regap.	√	√	√	√	√	√
			• Replace.	Every 15000 km (9000 mi)					
4	*	**Valves**	• Check valve clearance. Adjust if necessary.	√	√	√	√	√	√
5	*	**Fuel injection**	• Adjust engine idling speed.	√	√	√	√	√	√
6	*	**Exhaust system**	• Check for leakage. • Tighten if necessary. • Replace gasket(s) if necessary.	Every 10000 km (6000 mi)					
7	*	**Evaporative emission control system**	• Check control system for damage. • Replace if necessary.		√	√		√	

NO.		ITEM	CHECK OR MAINTENANCE JOB	ODOMETER READING					
				1000 km (600 mi)	5000 km (3000 mi)	10000 km (6000 mi)	15000 km** (9000 mi)	20000 km** (12000 mi)	25000 km** (15000 mi)
8	*	**Air induction system**	• Check the air cut-off valve, reed valve, and hose for damage. • Replace any damaged parts if necessary.	√	√	√	√	√	√

EAUE4040

General maintenance and lubrication chart

NO.		ITEM	CHECK OR MAINTENANCE JOB	ODOMETER READING					
				1000 km (600 mi)	5000 km (3000 mi)	10000 km (6000 mi)	15000 km** (9000 mi)	20000 km** (12000 mi)	25000 km** (15000 mi)
1	*	**Diagnostic system check**	• Perform dynamic inspection using Yamaha diagnostic tool. • Check the error codes.	√	√	√	√	√	√
2		**Air filter element**	• Replace.	Every 15000 km (9000 mi)					
3		**Air filter case check hose**	• Clean.	√	√	√	√	√	√
4	*	**Battery**	• Check voltage. • Charge if necessary.	√	√	√	√	√	√
5		**Clutch**	• Check operation. • Adjust.	√	√	√	√	√	√
6	*	**Front brake**	• Check operation, fluid level and vehicle for fluid leakage.	√	√	√	√	√	√
			• Replace brake pads.	Whenever worn to the limit					
7	*	**Rear brake**	• Check operation, fluid level and vehicle for fluid leakage.	√	√	√	√	√	√
			• Replace brake pads.	Whenever worn to the limit					
8	*	**Brake hose**	• Check for cracks or damage. • Check for correct routing and clamping.	√	√	√	√	√	√
			• Replace.	Every 4 years					
9	*	**Brake fluid**	• Change.	Every 2 years					
10	*	**Wheels**	• Check runout and for damage.	√	√	√	√	√	√

NO.		ITEM	CHECK OR MAINTENANCE JOB	ODOMETER READING					
				1000 km (600 mi)	5000 km (3000 mi)	10000 km (6000 mi)	15000 km** (9000 mi)	20000 km** (12000 mi)	25000 km** (15000 mi)
11	*	**Tires**	• Check tread depth and for damage. • Replace if necessary. • Check air pressure. • Correct if necessary.	√	√	√	√	√	√
12	*	**Wheel bearings**	• Check bearing for looseness or damage. Replace if necessary.	√	√	√	√	√	√
			• Lubricate with lithium-soap-based grease.	Every 10000 km (6000 mi)					
13	*	**Swingarm**	• Check operation and for excessive play.	√	√	√	√	√	√
			• Lubricate with lithium-soap-based grease.	Every 10000 km (6200 mi)					
14		**Drive chain**	• Check chain slack, alignment and condition. • Adjust and lubricate chain with a special O-ring chain lubricant thoroughly.	Every 500 km (300 mi) and after washing the motorcycle, riding in the rain or riding in wet areas					
15	*	**Steering bearings**	• Check bearing play and steering for roughness.	√	√	√	√	√	√
			• Lubricate with lithium-soap-based grease.	Every 10000 km (6200 mi)					
16	*	**Chassis fasteners**	• Make sure that all nuts, bolts and screws are properly tightened.	√	√	√	√	√	√
17		**Brake lever pivot shaft**	• Lubricate with silicone grease.	√	√	√	√	√	√
18		**Brake pedal pivot shaft**	• Lubricate with lithium-soap-based grease.	√	√	√	√	√	√

NO.		ITEM	CHECK OR MAINTENANCE JOB	ODOMETER READING					
				1000 km (600 mi)	5000 km (3000 mi)	10000 km (6000 mi)	15000 km** (9000 mi)	20000 km** (12000 mi)	25000 km** (15000 mi)
19		Clutch lever pivot shaft	• Lubricate with lithium-soap-based grease.	√	√	√	√	√	√
20		Shift pedal pivot shaft	• Lubricate with lithium-soap-based grease.	√	√	√	√	√	√
21		Sidestand	• Check operation. • Lubricate with lithium-soap-based grease.	√	√	√	√	√	√
22	*	Sidestand switch	• Check operation and replace if necessary.	√	√	√	√	√	√
23	*	Front fork	• Check operation and for oil leakage. Repair if necessary.	√	√	√	√	√	√
			• Replace oil.	Every 10000 km (6000 mi)					
24	*	Shock absorber assembly	• Check operation and shock absorber for oil leakage.	√	√	√	√	√	√
25		Engine oil	• Change. (See page 7-10.) • Check vehicle for oil leakage.	√	√	√	√	√	√
26		Engine oil filter element	• Replace.	√	√	√	√	√	√
27		Engine oil strainer	• Clean.	√	Every 15000 km (9000 mi)				
28	*	Front and rear brake switches	• Check operation.	√	√	√	√	√	√
29		Moving parts and cable ends	• Lubricate.	√	√	√	√	√	√

NO.		ITEM	CHECK OR MAINTENANCE JOB	ODOMETER READING					
				1000 km (600 mi)	5000 km (3000 mi)	10000 km (6000 mi)	15000 km** (9000 mi)	20000 km** (12000 mi)	25000 km** (15000 mi)
30	*	**Throttle grip**	• Check operation. • Check throttle grip free play, and adjust if necessary. • Lubricate cable end and grip housing.	√	√	√	√	√	√
31	*	**Lights, signals and switches**	• Check operation. • Adjust headlight beam.	√	√	√	√	√	√

EAU59350

TIP

- Air filter
  - This model's air intake system is equipped with a disposable oil-coated paper element. The air filter element cannot be cleaned with compressed air, it must be replaced.
  - The air filter element needs to be replaced more frequently when riding in unusually wet or dusty areas.
- Hydraulic brake service
  - After disassembling the brake master cylinder and caliper, always change the fluid. Regularly check the brake fluid level and fill the reservoir as required.
  - Every two years replace the internal components of the brake master cylinder and caliper, and change the brake fluid.
  - Replace the brake hose every four years and if cracked or damaged.

EAU18773

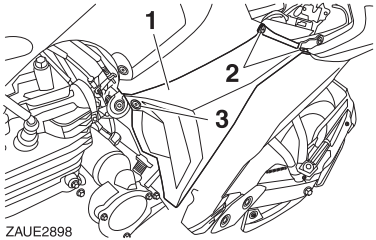
Removing and installing panels

The panels shown need to be removed to perform some of the maintenance jobs described in this chapter. Refer to this section each time a panel needs to be removed and installed.

EAU79680

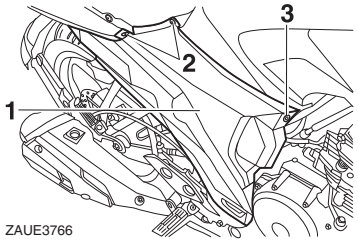
Panel A and B

To remove a panel



ZAUE2898

1. Panel A
2. Screw
3. Quick fastener

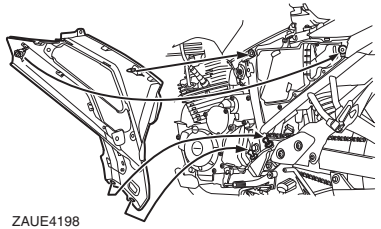


ZAUE3766

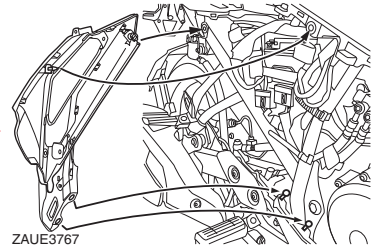
1. Panel B
2. Screw
3. Quick fastener

1. Remove the rider seat. (See page 4-12.)
2. Remove the screws and quick fastener from the panel.
3. To remove the panel, pull the top side outward and lift up.

To install a panel



ZAUE4198



ZAUE3767

1. Place the panel in the original position, and then install the quick fastener and screws.
2. Install the seats.

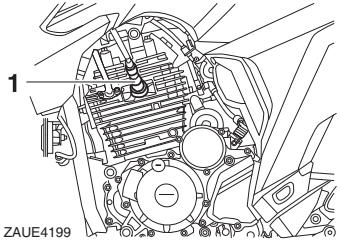
EAU19614

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

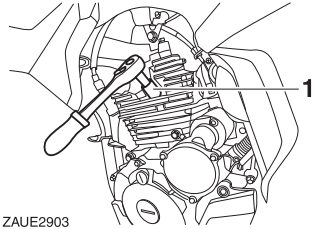
1. Remove the spark plug cap.



ZAUE4199

1. Spark plug cap

2. Remove the spark plug as shown, with a spark plug wrench available at a Yamaha dealer.



ZAUE2903

1. Spark plug wrench

To check the spark plug

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

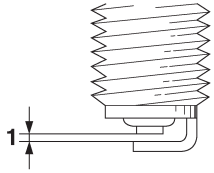
TIP

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

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

Specified spark plug:
NGK/DR8EA

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



ZAUE0032

1. Spark plug gap

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

To install the spark plug

1. Clean the surface of the spark plug gasket and its mating surface, and then wipe off any grime from the spark plug threads.
2. Install the spark plug with the spark plug wrench, and then tighten it to the specified torque.

Tightening torque:
Spark plug:
18 N·m (1.8 kgf·m, 13 lb·ft)

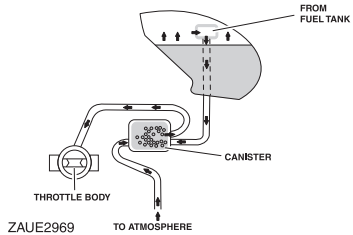
TIP

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

3. Install the spark plug cap.

EAU36112

Canister



ZAUE2969

This model is equipped with a canister to prevent the discharging of fuel vapor into the atmosphere. Before operating this vehicle, make sure to check the following:

- Check each hose connection.
- Check each hose and canister for cracks or damage. Replace if damaged.
- Make sure that the canister breather is not blocked, and if necessary, clean it.

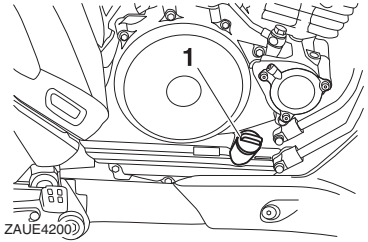
EAUE4390

Engine oil and oil filter element

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

To check the engine oil level

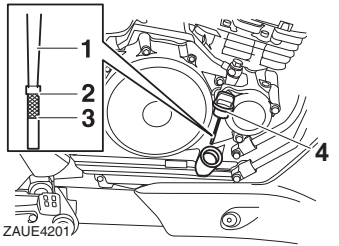
1. Place the vehicle on a level surface and hold it in an upright position. A slight tilt to the side can result in a false reading.
2. Start the engine, warm it up for several minutes, and then turn it off.
3. Wait a few minutes until the oil settles, remove the engine oil filler cap, wipe the dipstick clean, insert it back into the oil filler hole (without screwing it in), and then remove it again to check the oil level.
   NOTICE: **Do not operate the vehicle until you know that the engine oil level is sufficient.** [ECA10012]



1. Engine oil filler cap

TIP

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

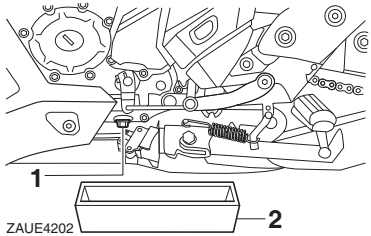


1. Dipstick
2. Maximum level mark
3. Minimum level mark
4. O-ring

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.
5. Check the O-ring for damage, and replace it if necessary.
6. Install and tighten engine oil filler cap.

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.
2. Place an oil pan under the engine to collect the used oil.
3. Remove the engine oil filler cap with the O-ring, then the engine oil drain bolt and its gasket to drain the oil from the crankcase.

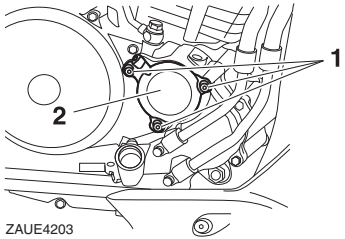


1. Engine oil drain bolt
2. Oil pan

TIP

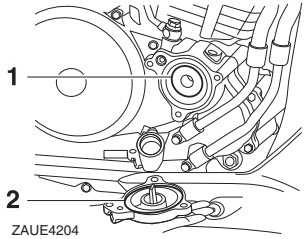
Skip steps 4–6 if the oil filter element is not being replaced.

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



1. Bolt
2. Oil filter element cover

5. Remove and replace the oil filter element and O-ring.



1. Oil filter element
2. O-ring

6. 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 N·m (1.0 kgf·m, 7.4 lb·ft)

TIP

Make sure that the O-ring is properly seated.

7. Install the engine oil drain bolt, and its new gasket, and then tighten the bolt to the specified torque.

Tightening torque:
Engine oil drain bolt:
20 N·m (2.0 kgf·m, 15 lb·ft)

8. Refill with the specified amount of the recommended engine oil.

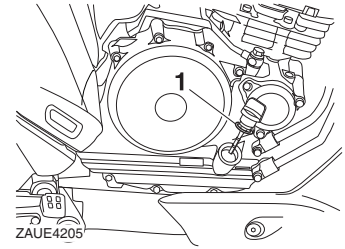
Recommended engine oil:
See page 9-1.
Oil quantity:
Oil change:
1.35 L (1.43 US qt, 1.19 Imp.qt)
With oil filter removal:
1.45 L (1.53 US qt, 1.28 Imp.qt)

ECA11621

NOTICE

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

9. Check the O-ring for damage, and replace it if necessary.



1. O-ring

10. Install and tighten the engine oil filler cap.
11. Start the engine, and then let it idle for several minutes while checking it for oil leakage. If oil is leaking, immediately turn the engine off and check for the cause.
12. Turn the engine off, wait for a few minutes until the oil settles, and then check the oil level and correct it if necessary.

EAU85450

Why Yamalube

YAMALUBE oil is a Genuine YAMAHA Part born of the engineers' passion and belief that engine oil is an important liquid engine component. We form teams of specialists in the fields of mechanical engineering, chemistry, electronics and track testing, and have them develop the engine together with the oil it will use. Yamalube oils take full advantage of the base oil's qualities and blend in the ideal balance of additives to make sure the final oil clears our performance standards. Thus, Yamalube mineral, semisynthetic and synthetic oils have their own distinct characters and value. Yamaha's experience gained over many years of research and development into oil since the 1960's helps make Yamalube the best choice for your Yamaha engine.

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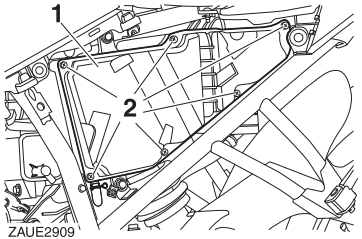
EAU79692

Replacing the air filter element and cleaning the check hose

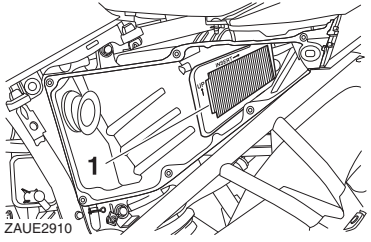
The air filter element should be replaced at the intervals specified in the periodic maintenance and lubrication chart. Replace the air filter element more frequently if you are riding in unusually wet or dusty areas. In addition, the air filter check hose must be frequently checked and cleaned if necessary.

To replace the air filter element

1. Remove the rider seat. (See page 4-12.)
2. Remove panel A. (See page 7-8.)
3. Remove the air filter case cover by removing the screws, and then pull the air filter element out.



1. Air filter case cover
2. Screw



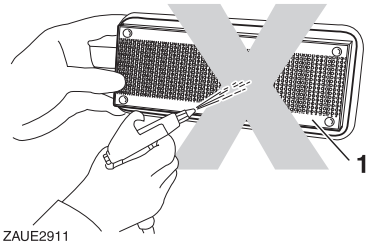
1. Air filter element

4. Check the air filter for damage or dirt and replace it if necessary.

ECA21220

NOTICE

- **The air filter element must be replaced at the intervals specified in the periodic maintenance chart.**
- **The air filter element should be replaced more frequently if you often ride in the rain or dusty areas.**
- **The air filter cannot be cleaned by blowing it with compressed air. It must be replaced.**

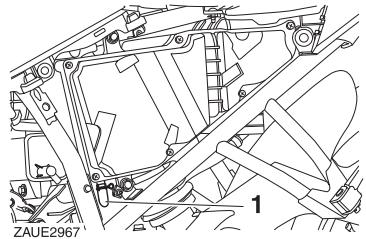


ZAUE2911

1. Air filter element

TIP

On the bottom of the air filter case is a check hose. If dust or water is found in this hose, change the air filter element and clean the air filter case.

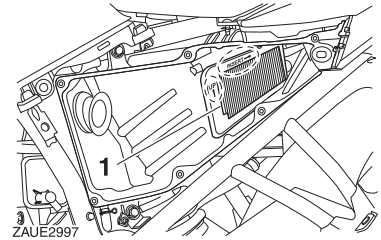


ZAUE2967

1. Air filter check hose

5. Insert the air filter element into the air filter case. ***NOTICE:*** **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.**

[ECA10482]



ZAUE2997

1. Air filter element

TIP

When installing the air filter element into the air filter case. Make sure to insert "→" mark and "↑ mark as shown in illustration.

6. Install the air filter case cover by installing the screws.
7. Install the panel and seats.

EAUE3780

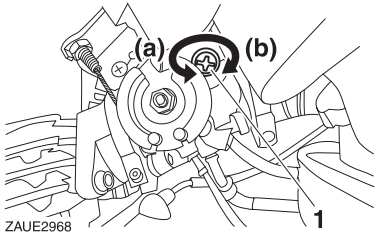
Engine idling speed

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

Engine idling speed:
1300–1500 r/min

To adjust the idle speed

1. Remove panel A. (See page 7-8.)
2. Warm the engine.
3. To increase the engine idling speed, turn the screw in direction (a). To decrease the engine idling speed, turn the screw in direction (b).



ZAUE2968

1. Idle adjusting screw

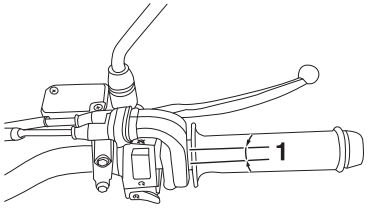
4. Install panel A.

TIP

If the specified idling speed cannot be obtained as described above, have a Yamaha dealer make the adjustment.

EAUE1572

Adjusting the throttle grip free play



ZAUE3768

1. Throttle grip free play

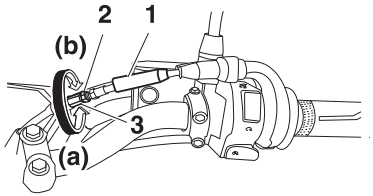
The throttle grip free play should measure 3.0–5.0 mm (0.12–0.20 in) at the inner edge of the throttle grip. Periodically check the throttle grip free play and, if necessary, adjust it as follows.

TIP

The engine idling speed must be correctly adjusted before checking and adjusting the throttle grip free play.

1. Slide the rubber cover at the throttle cable.
2. Loosen the locknut.

3. To increase the throttle grip free play, turn the throttle grip free play adjusting nut in direction (a). To decrease the throttle grip free play, turn the adjusting nut in direction (b).



ZAUE3769

1. Rubber cover
2. Locknut
3. Adjusting nut

4. Tighten the locknut.
5. Slide the rubber cover back to its original position.

EAU21403

Valve clearance

The valves are an important engine component, and since valve clearance changes with use, they must be checked and adjusted at the intervals specified in the periodic maintenance chart. Unadjusted valves can result in improper air-fuel mixture, engine noise, and eventually engine damage. To prevent this from occurring, have your Yamaha dealer check and adjust the valve clearance at regular intervals.

TIP

This service must be performed when the engine is cold.

EAU82721

Tires

Tires are the only contact between the vehicle and the road. Safety in all conditions of riding depends on a relatively small area of road contact. Therefore, it is essential to maintain the tires in good condition at all times and replace them at the appropriate time with the specified tires.

Tire air pressure

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

EWA10504

⚠ WARNING

Operation of this vehicle with improper tire pressure may cause severe injury or death from loss of control.

- **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.

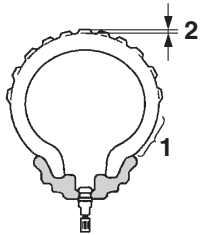
Cold tire air pressure:
1 person:
Front:
175 kPa (1.75 kgf/cm², 25 psi)
Rear:
200 kPa (2.00 kgf/cm², 29 psi)
2 persons:
Front:
175 kPa (1.75 kgf/cm², 25 psi)
Rear:
200 kPa (2.00 kgf/cm², 29 psi)
Maximum load:
Vehicle:
165 kg (364 lb)
The vehicle's maximum load is the combined weight of the rider, passenger, cargo, and any accessories.

EWA10512

⚠ WARNING

Never overload your vehicle. Operation of an overloaded vehicle could cause an accident.

Tire inspection



ZAUE0044

1. Tire sidewall
2. Tire tread depth

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

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

EWA10583

⚠ 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 to do so.**
- **Ride at moderate speeds after changing a tire since the tire surface must first be "broken in" for it to develop its optimal characteristics.**

Tire information

This model is equipped with tubeless tires and tire air valves.

Tires age, even if they have not been used or have only been used occasionally. Cracking of the tread and sidewall rubber, sometimes accompanied by carcass deformation, is an evidence of

ageing. Old and aged tires shall be checked by tire specialists to ascertain their suitability for further use.

EWA10462

⚠ WARNING

The front and rear tires should be of the same make and design, otherwise the handling characteristics of the vehicle may be different, which could lead to an accident.

After extensive tests, only the tires listed below have been approved for this model by Yamaha.

Front tire:
Size:
100/80-17M/C 52P
Manufacturer/model:
MRF/NYLOGRIP ZAPPER-FX1
Rear tire:
Size:
140/70-17M/C 66S
Manufacturer/model:
MRF/NYLOGRIP ZAPPER-S2

EAU21963

Cast wheels

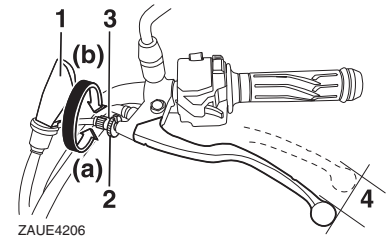
To maximize the performance, durability, and safe operation of your vehicle, note the following points regarding the specified wheels.

- The wheel rims should be checked for cracks, bends, warpage or other 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.

EAU22038

Adjusting the clutch lever free play

Measure the clutch lever free play as shown.



ZAUE4206

1. Rubber cover
2. Locknut
3. Clutch lever free play adjusting bolt
4. Clutch lever free play

Clutch lever free play:
10.0–15.0 mm (0.39–0.59 in)

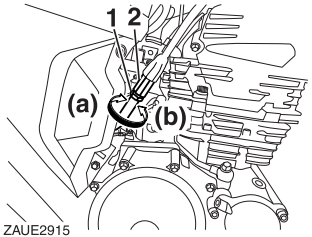
Periodically check the clutch lever free play and, if necessary, adjust it as follows.

1. Slide the rubber cover back at the clutch lever.
2. Loosen the locknut.

3. To increase the clutch lever free play, turn the clutch lever free play adjusting bolt in direction (a). To decrease the clutch lever free play, turn the adjusting bolt in direction (b).

TIP

If the specified clutch lever free play could be obtained as described above, skip steps 4–8.



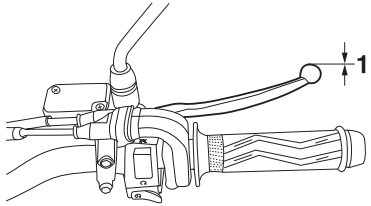
ZAUE2915

1. Locknut
2. Clutch lever free play adjusting nut

4. Fully turn the adjusting bolt in direction (a) to loosen the clutch cable.
5. Slide the rubber cover back at the clutch cable.
6. Loosen the locknut further down the clutch cable.
7. To increase the clutch lever free play, turn the clutch lever free play adjusting nut in direction (a). To decrease the clutch lever free play, turn the adjusting nut in direction (b).
8. Tighten the locknut at the clutch cable, and then slide the rubber cover to its original position.
9. Tighten the locknut at the clutch lever, and then slide the rubber cover to its original position.

EAU37914

Checking the brake lever free play



ZAUE3770

1. No brake lever free play

There should be no free play at the brake lever end. If there is free play, have a Yamaha dealer inspect the brake system.

EWA14212

⚠ WARNING

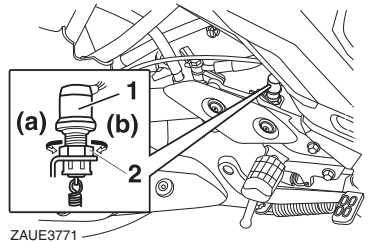
A soft or spongy feeling in the brake lever can indicate the presence of air in the hydraulic system. If there is air in the hydraulic system, have a Yamaha dealer bleed the system before operating the vehicle. Air in the hydraulic system will diminish the

braking performance, which may result in loss of control and an accident.

EAU22275

Brake light switches

The brake light is activated by switches connected to the brake lever and brake pedal. Check that the brake light comes on just before braking takes effect. If necessary, adjust the rear brake light switch as follows.



1. Rear brake light switch
2. Rear brake light switch adjusting nut

Turn the rear brake light switch adjusting nut while holding the rear brake light switch in place. To make the brake light come on earlier, turn the adjusting nut in direction (a). To make the brake light come on later, turn the adjusting nut in direction (b).

TIP

The front brake light switch should be serviced by a Yamaha dealer.

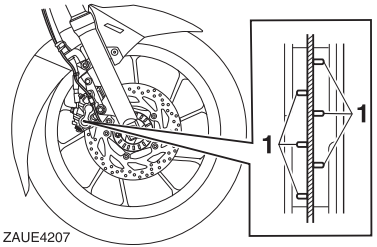
EAU22393

Checking the front and rear brake pads

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

EAU22421

Front brake pads



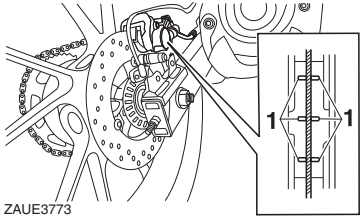
ZAUE4207

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

EAU36721

Rear brake pads



ZAUE3773

1. Brake pad 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.

EAU22584

Checking the brake fluid level

Before riding, check that the brake fluid is above the minimum level mark.

TIP

Make sure the reservoir is parallel to the ground when checking.

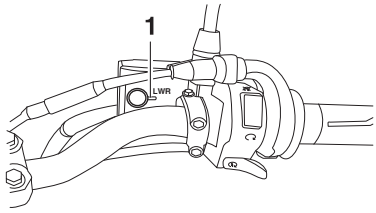
Specified brake fluid:
DOT 4

ECA17641

NOTICE

Brake fluid may damage painted surfaces or plastic parts. Always clean up spilled fluid immediately.

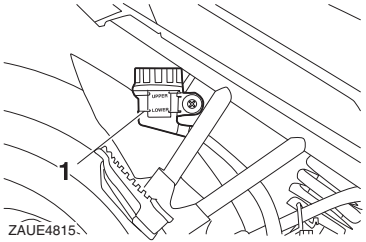
Front brake



ZAUE3774

1. Minimum level mark

Rear brake



1. Minimum level mark

As the brake pads wear, it is normal for the brake fluid level to gradually go down.

- A low brake fluid level may indicate worn brake pads or brake system leakage; therefore, be sure to check the brake pads for wear and the brake system for leakage.
- If the brake fluid level goes down suddenly, have a Yamaha dealer check the cause before further riding.

EWA15991

⚠ WARNING

Improper maintenance can result in loss of braking ability. Observe these precautions:

- **Insufficient brake fluid may allow air to enter the brake system, reducing braking performance.**
- **Clean the filler cap before removing. Use only DOT 4 brake fluid from a sealed container.**
- **Use only the specified brake fluid; otherwise, the rubber seals may deteriorate, causing leakage.**
- **Refill with the same type of brake fluid. Adding a brake fluid other than DOT 4 may result in a harmful chemical reaction.**
- **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.**

EAU22724

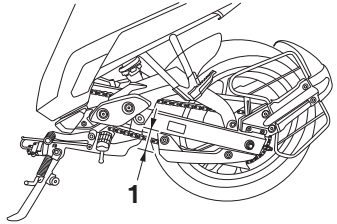
Changing the brake fluid

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

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

EAU22762

Drive chain slack



ZAUE4816

1. Drive chain slack

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

EAUE1414

To check the drive chain slack

1. Support the motorcycle according to the procedure on page 7-33.

TIP

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

2. Shift the transmission into the neutral position.
3. Measure the drive chain slack as shown.

Drive chain slack:
35.0–40.0 mm (1.38–1.57 in)
With maintenance stand:
40.0–45.0 mm (1.57–1.77 in)

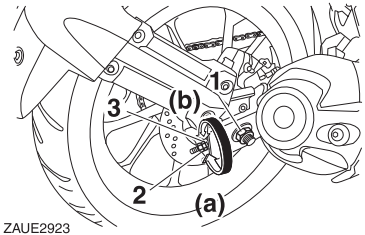
4. If the drive chain slack is incorrect, adjust it as follows. ***NOTICE:*** **Improper drive chain slack will overload the engine as well as other vital parts of the motorcycle and can lead to chain slippage or breakage. To prevent this from occurring, keep the drive chain slack within the specified limits.** [ECA10572]

EAU22938

To adjust the drive chain slack

Consult a Yamaha dealer before adjusting the drive chain slack.

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



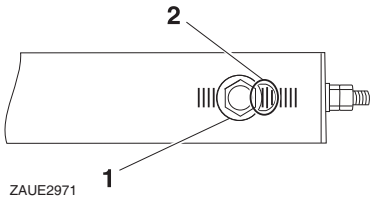
ZAUE2923

1. Axle nut
2. Drive chain puller locknut
3. Drive chain slack adjusting nut

TIP

Using the alignment marks on each side of the swingarm, make sure that both adjusting nuts are in the same position for proper wheel alignment.

7



1. Washer
2. Alignment marks

3. Tighten the drive chain puller locknuts, and then tighten the axle nut to the specified torques.

Tightening torques:
Locknut:
14 N·m (1.4 kgf·m, 10 lb·ft)
Axle nut:
59 N·m (5.9 kgf·m, 44 lb·ft)

4. Make sure that the drive chain pullers are in the same position, the drive chain slack is correct, and the drive chain moves smoothly.

EAUE0141

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 out, especially when riding in dusty or wet areas. Service the drive chain as follows.

ECA10584

NOTICE

The drive chain must be lubricated after washing the motorcycle, riding in the rain or riding in wet areas.

1. Clean the drive chain with soap water to remove the accumulated dust & mud and then dry off.
2. Apply the cleaning spray on all the links and plates of chain, then wipe the chain. ***NOTICE:*** **To prevent damaging the O-rings, do not clean the drive chain with steam cleaners, high-pressure washers or inappropriate solvents.** [ECA11122]
3. Thoroughly lubricate the drive chain with a special O-ring chain lubricant.

EAUE1151

Checking and lubricating the cables

The operation of all control cables and the condition of the cables should be checked before each ride, and the cable ends should be lubricated if necessary. If a cable is damaged or does not move smoothly, have a Yamaha dealer check or replace it. **WARNING! Damage to the outer housing of cables may result in internal rusting and cause interference with cable movement. Replace damaged cables as soon as possible to prevent unsafe conditions.** [EWA10712]

Recommended lubricant:
Lithium-soap-based grease

EAUE1191

Checking and lubricating the throttle grip and cable end

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

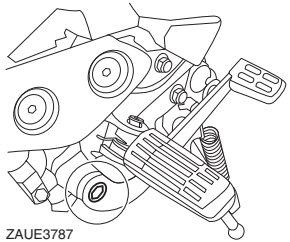
The throttle cable is equipped with a rubber cover. Make sure that the cover is securely installed. Even though the cover is installed correctly, it does not completely protect the cable from water entry. Therefore, use care not to pour water directly onto the cover or cable when washing the vehicle. If the cable or cover becomes dirty, wipe clean with a moist cloth.

EAU44276

Checking and lubricating the brake and shift pedals

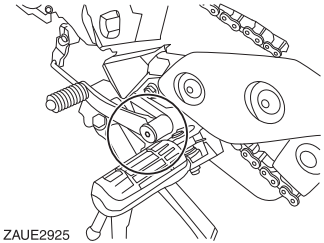
The operation of the brake and shift pedals should be checked before each ride, and the pedal pivots should be lubricated if necessary.

Brake pedal



ZAUE3787

Shift pedal



ZAUE2925

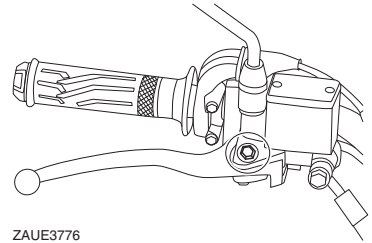
Recommended lubricant:
Lithium-soap-based grease

EAU23144
Checking and lubricating the brake and clutch levers

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

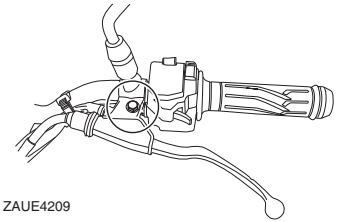
Recommended lubricants:
Brake lever:
Silicone grease
Clutch lever:
Lithium-soap-based grease

Brake lever



ZAUE3776

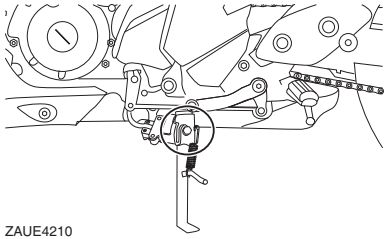
Clutch lever



ZAUE4209

EAU23203

Checking and lubricating the sidestand



ZAUE4210

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

EWA10732

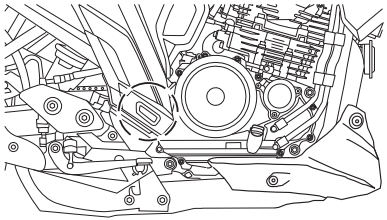
⚠ WARNING

If the sidestand does not move up and down smoothly, have a Yamaha dealer check or repair it. Otherwise, the sidestand could contact the ground and distract the operator, resulting in a possible loss of control.

Recommended lubricant:
Lithium-soap-based grease

EAUM1653

Lubricating the swingarm pivots



ZAUE4211

The swingarm pivots must be lubricated by a Yamaha dealer at the intervals specified in the periodic maintenance and lubrication chart.

Recommended lubricant:
Lithium-soap-based grease

EAU23273

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.

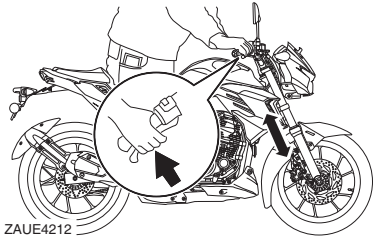
To check the condition

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. **WARNING! To avoid injury, securely support the vehicle so there is no danger of it falling over.** [EWA10752]
2. While applying the front brake, push down hard on the handlebars several times to check if the front fork compresses and rebounds smoothly.

7


ZAUE4212

ECA10591

NOTICE

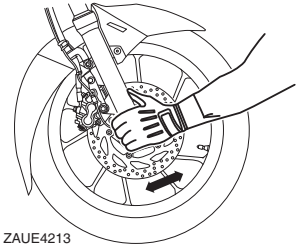
If any damage is found or the front fork does not operate smoothly, have a Yamaha dealer check or repair it.

EAU23285

Checking the steering

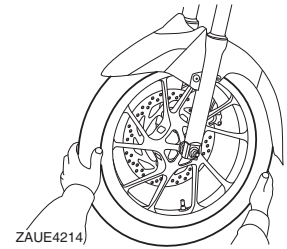
Worn or loose steering bearings may cause danger. Therefore, the operation of the steering must be checked as follows at the intervals specified in the periodic maintenance and lubrication chart.

1. Raise the front wheel off the ground. (See page 7-33.) **WARNING! To avoid injury, securely support the vehicle so there is no danger of it falling over.** [EWA10752]
2. Hold the lower ends of the front fork legs and try to move them forward and backward. If any free play can be felt, have a Yamaha dealer check or repair the steering.


ZAUE4213

EAU23292

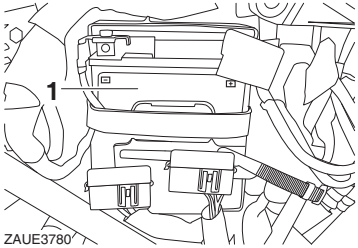
Checking the wheel bearings


ZAUE4214

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

Battery

EAU2338A



1. Battery

The battery is located behind panel B. (See page 7-8.)
This model is equipped with a VRLA (Valve Regulated Lead Acid) battery. There is no need to check the electrolyte or to add distilled water. However, the battery lead connections need to be checked and, if necessary, tightened.

EWA10761

⚠ 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 BATTERIES OUT OF THE REACH OF CHILDREN.**

ECA10621

NOTICE

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

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

ECA16522

NOTICE

To charge a VRLA (Valve Regulated Lead Acid) battery, a special (constant-voltage) battery charger is required. Using a conventional battery charger will damage the battery.

To store the battery

1. If the vehicle will not be used for more than one month, remove the battery, fully charge it, and then place it in a cool, dry place. ***NOTICE:*** **When removing the battery, be sure to turn the main switch off, then disconnect the negative lead before disconnecting the positive lead.** [ECA16304]
2. If the battery will be stored for more than two months, check it at least once a month and fully charge it if necessary.

3. Fully charge the battery before installation. ***NOTICE:*** **When installing the battery, be sure to turn the main switch off, then connect the positive lead before connecting the negative lead.**

[ECA16842]

4. After installation, make sure that the battery leads are properly connected to the battery terminals.

ECA16531

NOTICE

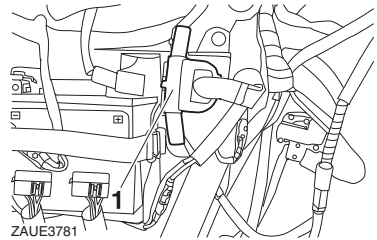
Always keep the battery charged. Storing a discharged battery can cause permanent battery damage.

EAUE3841

Replacing the fuses

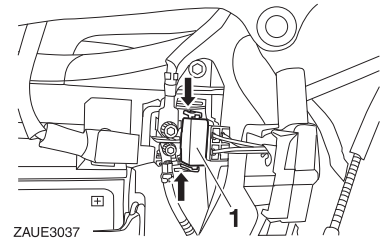
The fuses are located behind panel B. If the vehicle is experiencing an electrical problem, check for a blown fuse and replace it as follows.

1. Turn the main switch off.
2. Turn off any additional electrical switches or accessories if equipped.
3. Remove panel B. (See page 7-8.)
4. Slide the rubber cover at the wire harness.

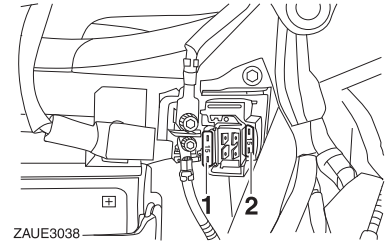


1. Rubber cover

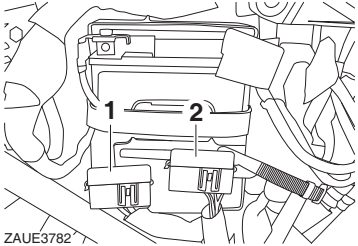
5. Unlock the starter relay coupler by pressing from both sides and then remove it.



1. Starter relay coupler

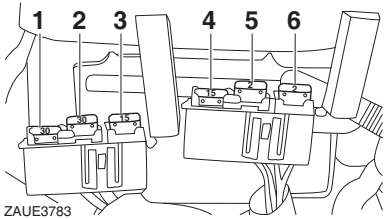


1. Main fuse
2. Spare fuse



ZAUE3782

1. Fuse box 1
2. Fuse box 2



ZAUE3783

1. ABS motor spare fuse
2. ABS motor fuse
3. ABS solenoid fuse
4. ABS solenoid spare fuse
5. ABS control unit fuse
6. ABS control unit spare fuse

6. Remove the blown fuse, and then install a new fuse of the specified amperage. **WARNING! Do not use a fuse of a higher amperage rating than recommended to avoid causing extensive damage to the electrical system and possibly a fire.** [EWA15132]

Specified fuses:
Main fuse:
15.0 A
ABS motor fuse:
30.0 A
ABS solenoid fuse:
15.0 A
ABS control unit fuse:
2.0 A

7. Install the starter relay coupler properly.
8. Slide the rubber cover back to its original position.
9. Install panel B.
10. Turn the main switch on, and then turn on the electrical circuit in question to confirm that the component operates.

TIP

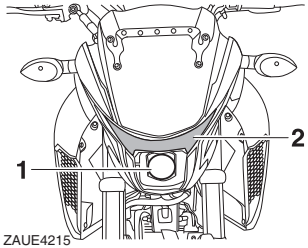
If a fuse immediately blows again, have your Yamaha dealer check the vehicle.

7

EAUN2261

Vehicle lights

This model is equipped with LED lights for headlights, auxiliary lights and brake/tail light. If a light does not come on, check the fuse and then have a Yamaha dealer check the vehicle.



ZAUE4215

1. Headlight
2. Auxiliary light

ECA16581

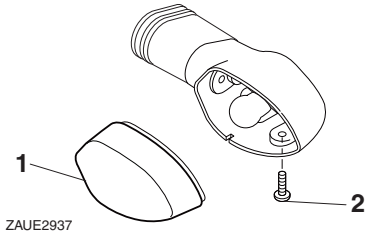
NOTICE

Do not affix any type of tinted film or stickers to the headlight lens.

EAU24205

Replacing a turn signal light bulb

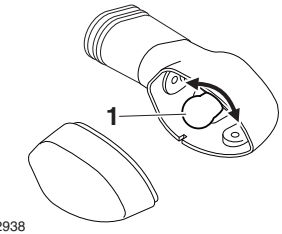
1. Remove the turn signal light lens by removing the screw.



ZAUE2937

1. Turn signal light lens
2. Screw

2. Remove the burnt-out bulb by pushing it in and turning it counterclockwise.



ZAUE2938

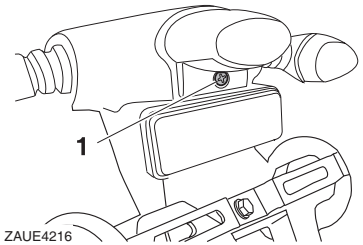
1. Bulb

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. ***NOTICE:*** **Do not overtighten the screw, otherwise the lens may break.** [ECA11192]

EAUE3370

Replacing a license plate light bulb

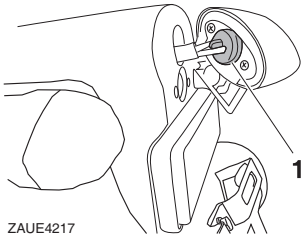
1. Remove the screw.



ZAUE4216

1. Screw

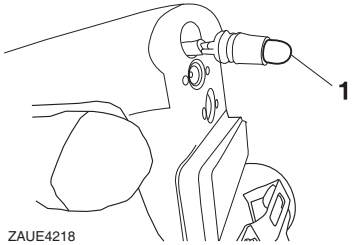
2. Remove the license plate light bulb socket (together with the bulb) by pulling it out.



ZAUE4217

1. Socket

3. Remove the burnt-out bulb by pulling it out.



ZAUE4218

1. Bulb

4. Insert a new bulb into the socket.
5. Install the socket (together with the bulb) by pushing it in.
6. Place the license plate light unit in the original position, and then install the screw.

EAU67131

Supporting the motorcycle

Since this model is not equipped with a centerstand, use maintenance stands when removing the front or rear wheel or when performing other maintenance that requires the motorcycle to stand up right.

Check that the motorcycle is in a stable and level position before starting any maintenance.

EAUE3880

Front wheel

The front wheel contains components that are part of the anti-lock brake system. To prevent ABS malfunction due to wheel damage or improper installation, Yamaha recommends the wheel be professionally serviced.

EWAE0050

⚠ WARNING

Have a Yamaha dealer remove and install the wheel.

EAUE3900

Rear wheel

The rear wheel contains components that are part of the anti-lock brake system. To prevent ABS malfunction due to wheel damage or improper installation, Yamaha recommends the wheel be professionally serviced.

EWAE0050

⚠ WARNING

Have a Yamaha dealer remove and install the wheel.

EAU25853

Troubleshooting

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

The following troubleshooting chart represents a quick and easy procedure for checking these vital systems yourself. However, should your 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.

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

EWA15142

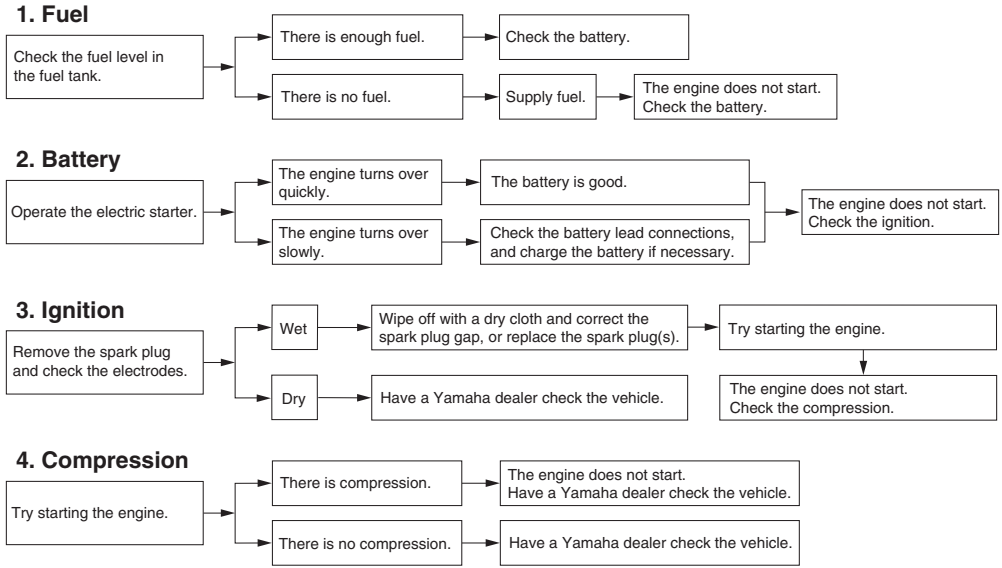
⚠ WARNING

When checking the fuel system, do not smoke, and make sure there are no open flames or sparks in the area, including pilot lights from water

heaters or furnaces. Gasoline or gasoline vapors can ignite or explode, causing severe injury or property damage.

EAUT1985

Troubleshooting chart



7

EAU37834

Matte color caution

ECA15193

NOTICE

Some models are equipped with matte colored finished parts. Be sure to consult a Yamaha dealer for advice on what products to use before cleaning the vehicle. Using a brush, harsh chemical products or cleaning compounds when cleaning these parts will scratch or damage their surface. Wax also should not be applied to any matte colored finished parts.

EAU84990

Care

Frequent, thorough cleaning of the vehicle will not only enhance its appearance but also will improve its general performance and extend the useful life of many components. Washing, cleaning, and polishing will also give you a chance to inspect the condition of the vehicle more frequently. Be sure to wash the vehicle after riding in the rain or near the sea, because salt is corrosive to metals.

TIP

- Genuine Yamaha care and maintenance products are sold under the YAMALUBE brand in many markets worldwide.
- See your Yamaha dealer for additional cleaning tips.

ECA26280

NOTICE

Improper cleaning can cause cosmetic and mechanical damage. Do not use:

- **high-pressure washers or steam-jet cleaners. Excessive water pressure may cause water seepage and deterioration of wheel bearings, brakes, transmission seals and electrical devices. Avoid high-pressure detergent applications such as those available in coin-operated car washers.**
- **harsh chemicals, including strong acidic wheel cleaners, especially on spoke or magnesium wheels.**
- **harsh chemicals, abrasive cleaning compounds, or wax on matte-finished parts. Brushes can scratch and damage the matte-finish, use soft sponge or towel only.**
- **towels, sponges, or brushes contaminated with abrasive cleaning products or strong chemicals such as, solvents, gasoline, rust removers, brake fluid, or antifreeze, etc.**

Before washing

1. Park the vehicle out of direct sunlight and allow it to cool. This will help avoid water spots.

2. Make sure all caps, covers, electrical couplers and connectors are tightly installed.
3. Cover the muffler end with a plastic bag and a strong rubber band.
4. Pre-soak stubborn stains like insects or bird droppings with a wet towel for a few minutes.
5. Remove road grime and oil stains with a quality degreasing agent and a plastic-bristle brush or sponge. ***NOTICE:*** **Do not use degreasing agent on areas requiring lubrication such as seals, gaskets, and wheel axles. Follow product instructions.** [ECA26290]

Washing

1. Rinse off any degreaser and spray down the vehicle with a garden hose. Use only enough pressure to do the job. Avoid spraying water directly into the muffler, instrument panel, air inlet, or other inner areas such as underseat storage compartments.
2. Wash the vehicle with a quality automotive-type detergent mixed with cool water and a soft, clean towel or sponge. Use an old toothbrush or plastic-bristle brush for hard-to-reach places. ***NOTICE:*** **Use cold water if the vehicle has been exposed to salt. Warm water will increase salt's corrosive properties.** [ECA26301]
3. For windshield-equipped vehicles: Clean the windshield with a soft towel or sponge dampened with water and a pH neutral detergent. If necessary, use a high-quality windshield cleaner or polish for motorcycles. ***NOTICE:*** **Never use any strong chemicals to clean the windshield. Additionally, some cleaning compounds for plastic may scratch the windshield, so be sure to test all cleaning products before general application.** [ECA26310]
4. Rinse off thoroughly with clean water. Be sure to remove all detergent residues, as they can be harmful to plastic parts.

After washing

1. Dry the vehicle with a chamois or absorbent towel, preferably microfiber terrycloth.
2. For drive chain-equipped models: Dry and then lubricate the drive chain to prevent rust.
3. Use a chrome polish to shine chrome, aluminum, and stainless steel parts. Often the thermally induced discoloring of stainless steel exhaust systems can be removed through polishing.
4. Apply a corrosion protection spray on all metal parts including chrome or nickel-plated surfaces. **WARNING! Do not apply silicone or oil spray to seats, hand grips, rubber foot pegs or tire treads. Otherwise these parts will become slippery, which could cause loss of control. Thoroughly clean the surfaces of these parts before operating the vehicle.** [EWA20650]
5. Treat rubber, vinyl, and unpainted plastic parts with a suitable care product.

6. Touch up minor paint damage caused by stones, etc.
7. Wax all painted surfaces using a non-abrasive wax or use a detail spray for motorcycles.
8. When finished cleaning, start the engine and let it idle for several minutes to help dry any remaining moisture.
9. If the headlight lens has fogged up, start the engine and turn on the headlight to help remove the moisture.
10. Let the vehicle dry completely before storing or covering it.

ECA26320

NOTICE

- **Do not apply wax to rubber or unpainted plastic parts.**
- **Do not use abrasive polishing compounds as they will wear away the paint.**
- **Apply sprays and wax sparingly. Wipe off excess afterwards.**

EWA20660

⚠ WARNING

Contaminants left on the brakes or tires can cause loss of control.

- **Make sure there is no lubricant or wax on the brakes or tires.**
- **If necessary, wash the tires with warm water and a mild detergent.**
- **If necessary, clean the brake discs and pads with brake cleaner or acetone.**
- **Before riding at higher speeds, test the vehicle's braking performance and cornering behavior.**

EAU83472

Storage

Always store the vehicle in a cool, dry place. If necessary, protect it against dust with a porous cover. Be sure the engine and the exhaust system are cool before covering the vehicle. If the vehicle often sits for weeks at a time between uses, the use of a quality fuel stabilizer is recommended after each fill-up.

ECA21170

NOTICE

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

Long term storage

Before storing the vehicle long term (60 days or more):

1. Make all necessary repairs and perform any outstanding maintenance.
2. Follow all instructions in the Care section of this chapter.
3. Fill up the fuel tank, adding fuel stabilizer according to product instructions. Run the engine for 5 minutes to distribute treated fuel through the fuel system.
4. For vehicles equipped with a fuel cock: Turn the fuel cock lever to the off position.
5. For vehicles with a carburetor: To prevent fuel deposits from building up, drain the fuel in the carburetor float chamber into a clean container. Retighten the drain bolt and pour the fuel back into the fuel tank.
6. Use a quality engine fogging oil according to product instructions to protect internal engine components from corrosion. If engine fogging oil is not available, perform the following steps for each cylinder:
   a. Remove the spark plug cap and spark plug.
   b. Pour a teaspoonful of engine oil into the spark plug bore.
   c. Install the spark plug cap onto the spark plug, and then place the spark plug on the cylinder head so that the electrodes are grounded. (This will limit sparking during the next step.)
   d. Turn the engine over several times with the starter. (This will coat the cylinder wall with oil.) **WARNING! To prevent damage or injury from sparking, make sure to ground the spark plug electrodes while turning the engine over.** [EWA10952]
   e. Remove the spark plug cap from the spark plug, and then install the spark plug and the spark plug cap.
7. Lubricate all control cables, pivots, levers and pedals, as well as the sidestand and centerstand (if equipped).
8. Check and correct the tire air pressure, and then lift the vehicle so that all wheels are off the ground. Otherwise, turn the wheels a little once a month in order to prevent the tires from becoming degraded in one spot.
9. Cover the muffler outlet with a plastic bag to prevent moisture from entering it.
10. Remove the battery and fully charge it, or attach a maintenance charger to keep the battery optimally charged. ***NOTICE:*** **Confirm that the battery and its charger are compatible. Do not charge a VRLA battery with a conventional charger.** [ECA26330]

TIP

- If the battery will be removed, charge it once a month and store it in a temperate location between 0-30 °C (32-90 °F).
- See page 7-29 for more information on charging and storing the battery.

Dimensions:
Overall length:
2015 mm (79.3 in)
Overall width:
775 mm (30.5 in)
Overall height:
1075 mm (42.3 in)
Seat height:
795 mm (31.3 in)
Wheelbase:
1360 mm (53.5 in)
Ground clearance:
160 mm (6.30 in)
Minimum turning radius:
2.5 m (8.20 ft)

Weight:
Curb weight:
153 kg (337 lb)

Engine:
Combustion cycle:
4-stroke
Cooling system:
Air cooled
Valve train:
SOHC
Number of cylinders:
Single cylinder
Displacement:
249 cm^3
Bore × stroke:
74.0 × 58.0 mm (2.91 × 2.28 in)
Starting system:
Electric starter

Engine oil:
Recommended brand:

YAMALUBE®

SAE viscosity grades:
10W-40
Recommended engine oil grade:
API service SL type, JASO standard MA
Engine oil quantity:
Oil change:
1.35 L (1.43 US qt, 1.19 Imp.qt)
With oil filter removal:
1.45 L (1.53 US qt, 1.28 Imp.qt)

Fuel:
Recommended fuel:
Unleaded gasoline (E10 acceptable)
Octane number (RON):
90
Fuel tank capacity:
14 L (3.7 US gal, 3.1 Imp.gal)
Fuel reserve amount:
2.1 L (0.55 US gal, 0.46 Imp.gal)

Fuel injection:
Throttle body:
ID mark:
B971

Drivetrain:
Gear ratio:
1st:
2.571 (36/14)
2nd:
1.684 (32/19)
3rd:
1.273 (28/22)
4th:
1.040 (26/25)
5th:
0.852 (23/27)

Front tire:
Type:
Tubeless
Size:
100/80-17M/C 52P
Manufacturer/model:
MRF/NYLOGRIP ZAPPER-FX1

Rear tire:
Type:
Tubeless
Size:
140/70-17M/C 66S
Manufacturer/model:
MRF/NYLOGRIP ZAPPER-S2

Loading:
Maximum load:
165 kg (364 lb)
(Total weight of rider, passenger, cargo and accessories)

Front brake:
Type:
Hydraulic single disc brake

Rear brake:
Type:
Hydraulic single disc brake

Front suspension:
Type:
Telescopic fork

Specifications

Rear suspension:
Type:
Swingarm
Electrical system:
System voltage:
12 V
Battery:
Model:
ETZ-7
Voltage, capacity:
12 V, 6.0 Ah (10 HR)
Bulb wattage:
Headlight:
LED
Brake/tail light:
LED
Front turn signal light:
10.0 W
Rear turn signal light:
10.0 W
Auxiliary light:
LED
License plate light:
5.0 W

EAU26366

Identification numbers

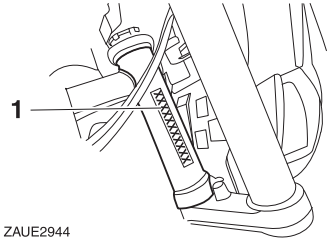
Record the vehicle identification number and the engine serial number in the spaces provided below for assistance when ordering spare parts from a Yamaha dealer or for reference in case the vehicle is stolen.

VEHICLE IDENTIFICATION NUMBER:

ENGINE SERIAL NUMBER:

EAU26401

Vehicle identification number



1. Vehicle identification number

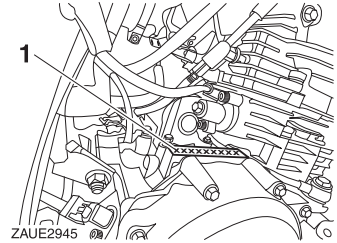
The vehicle identification number is stamped into the steering head pipe. Record this number in the space provided.

TIP

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.

EAU26442

Engine serial number



1. Engine serial number

The engine serial number is stamped into the crankcase.

EAU85400

Vehicle data recording

This model's ECU stores certain vehicle data to assist in the diagnosis of malfunctions and for research, statistical analysis and development purposes.

Although the sensors and recorded data will vary by model, the main data points are:

- Vehicle status and engine performance data
- Fuel-injection and emission-related data

This data will be uploaded only when a special Yamaha diagnostic tool is attached to the vehicle, such as when maintenance checks or service procedures are performed.

Yamaha will not disclose this data to a third party except in the following cases. In addition, Yamaha may provide vehicle data to a contractor in order to outsource services related to the handling of vehicle data. Even in this case, Yamaha will require the contractor to properly handle the vehicle data we provided and Yamaha will appropriately manage the data.

- With the consent of the vehicle owner
- Where obligated by law
- For use by Yamaha in litigation
- When the data is not related to an individual vehicle nor owner

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SERVICE & WARRANTY HANDBOOK

INTRODUCTION

India Yamaha Motor Pvt. Ltd. wish to take this opportunity to thank you for purchasing a Yamaha product. The advanced engineering and construction methods employed during both design and production of the YAMAHA product with the commitment to provide a high quality product is supported by a comprehensive after sales and warranty service of which we are equally proud.

This Service and warranty handbook will introduce the operating and maintenance requirements for the vehicle including free & paid service and warranty terms and condition. It is recommended that it is carefully read to ensure that the maximum performance and durability along with safe and satisfactory operation are obtained. The recommended routine maintenance servicing along with any running repairs that may be required should be entrusted to YAMAHA authorized dealer to ensure that only the latest methods and YAMAHA genuine parts are used for the continuous reliability, safety and performance of the vehicle. Should any question or query exist regarding any aspect of your YAMAHA vehicle please contact the nearest YAMAHA dealer who will be only too pleased to assist wherever possible.

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ADDRESSES OF AREA OFFICES

FREE SERVICE & WARRANTY

Validity of warranty

This warranty coverage on the Motorcycle shall be valid only if the customer avails all Free and Paid Services from Authorized YAMAHA dealer as per Recommended Service Schedule and only genuine Spare parts must be used. The customer shall ensure that each service is availed within 180 days from the date of previous service or as per recommended service schedule which ever is earlier.

India Yamaha Motor Pvt. Ltd. (hereinafter referred to as YAMAHA) thank you for having purchased this YAMAHA motorcycle. In the unlikely event of your YAMAHA motorcycle requiring warranty service. So, please contact the nearest authorized dealer. We advice that you read this handbook carefully before you get in touch with our Authorized Dealer to avoid any inconvenience.

YAMAHA will replace or repair at its Authorized Dealership free of charge, those parts which may be found on examination to have manufacturing defect, within 2 years from the date of sale of Motorcycle or first 30,000 kilometers of its operation, whichever occurs first, to the purchaser. YAMAHA warrants the products to be free from manufacturing defects for a period of two years from the date of sale of the Motorcycle or first 30,000 kilometres of its operation, whichever occurs first. If during this period of warranty the Motorcycle proves to be defective due to material or workmanship, YAMAHA through its Authorized Dealers will repair the Motorcycle without charging the labour or parts value as per the terms and conditions mentioned below:

The claim for replacement or repair of part (s) shall be considered only when:

1. The Customer ensures that immediately upon occurrence of the defect he approach the nearest YAMAHA Authorized Dealer with the affected Motorcycle. The expenses if any, to bring the Motorcycle to YAMAHA'S Authorized Dealer shall be borne by the customer.
2. The Customer produces the Service & warranty handbook in original to enable YAMAHA'S Authorized Dealer to verify the Motorcycle details and servicing details. YAMAHA reserves the right to refuse warranty, if the Service & warranty handbook is not presented or if the information contained in is incomplete or tempered.

Warranty on proprietary items

Warranty claims in respect of proprietary items like Tires, Tubes, Battery, Spark Plug and Helmet are warranted by their respective manufacturers and shall be claimed on directly by the customer as per their warranty terms. YAMAHA and its Authorised Dealers will give all assistance in taking up such claims with the manufacturer of said items.

This warranty shall not be applicable to

1. Normal maintenance operations such as Engine tune-up, Decarbonising, Fuel System Cleaning, Wheels, Brakes and Clutch adjustments as well as any other normal adjustment.
2. Consumable (wear and tear) items, i.e. Brake Pads, Fasteners/ Shims/ Washers, Gaskets and Rubber or Plastic Components, (other than tires & tubes) oil seals, Cables, electrical wiring and Electrical Items like Bulbs, filters, spark

plugs, Drive Chain, Sprocket, Clutch plate, Race Bearing & Element Air Cleaner and wheel rim misalignment or bend.

3. Part(s) of the Motorcycle that have been subjected to misuse, accident, negligent treatment or which have been used in conjunction with parts and equipment not manufactured or recommended for use by YAMAHA such use prematurely affects the performance and reliability of the motorcycle.
4. Use of non-genuine parts, non-genuine oil and lubricants.
5. Parts of the Motorcycle getting rusty due to atmospheric effects because of Industrial Pollution.
6. Parts of Motorcycle that have been altered and modified or replaced in unauthorised manner and which in the sole judgement of YAMAHA affects its performance and reliability.
7. Motorcycle that has not been got serviced by YAMAHA'S Authorised Dealers as per the service schedule described in this hand book contains 3 Free Services, 4 Paid Service Coupons (attached in this book) or which has not been operated or maintained in accordance with the instructions mentioned in this Manual (especially during Break-in Period).
8. Motorcycle used for any competition or race and/or for attempting to set up any kind of record. YAMAHA undertakes no liability in the matter of any consequential loss or damage caused due to failure of the part(s).
9. For motorcycles which have been used for any commercial purposes & Loading such as taxi etc.
10. For normal phenomenon like noise, vibration, oil seepage, which do not affect the performance of the Motorcycle.
11. For maintenance repairs required due to misuse while driving or due to adulteration of oil, petrol or due to bad road conditions.
12. If any part of the vehicle is tampered / repaired by unauthorized persons/workshops etc.
13. For consumables like oil, grease etc. used during free services or used during warranty repairs.
14. If there is any damage due to modification or fitting of accessories other than the ones recommended by YAMAHA.
15. For claims made for any consequential damage due to any previous malfunction.
16. If there is any damaged caused due to usage of improper oil/grease, non genuine parts.
17. This warranty does not cover the risks like accidents, lightening, water, fire other acts of God, improper handling or any external cause beyond the control of YAMAHA.
18. This warranty does not affect the customer's statutory rights under applicable Indian laws, nor the consumer's rights against the Dealer arising from their sales/purchase contract.

This Warranty is the entire written warranty given by YAMAHA for the Motorcycle and no other person, including the Authorized Dealer or his agent or employee is authorised to extend or enlarge terms or this Warranty.

GAUTAM BUDH NAGAR (NOIDA) COURTS SHALL HAVE EXCLUSIVE JURISDICTION TO ENTERTAIN ANY DISPUTES ARISING OUT OR IN ANY WAY TOUCHING OR CONCERNING THIS WARRANTY POLICY.

SEVENTH PAID SERVICE COUPON

VALIDITY : 30000 KMS OR 1080 DAYS FROM THE DATE OF PURCHASE OF MOTORCYCLE WHICHEVER IS EARLIER.

COUPON NO.	

This coupon entitles the owner to the paid service as per maintenance chart mentioned in Owner's manual and is mandatory for ***eligibility of warranty benefits.***

7

FRAME NO. :

ENGINE NO. :

CUSTOMER MOBILE NO. :

DATE OF SALE :

JOB CARD NO. :

SERVICE DATE :

KILOMETERS :

SELLING DLR'S STAMP SIGN & CODE

SERVICING MAIN DLR'S/ YBC/ BRANCH/ YAMAHA POINT'S STAMP SIGN & CODE

COUPON PUNCHING STAMP SIGN & CODE

NOT CLAIMABLE

CUSTOMER'S CERTIFICATION

The jobs as per periodic maintenance chart in Owner's manual have been executed to my entire satisfaction.

Signature : _____

Name : _____

***NOTE** :
- All information of this coupon is mandatory to fill up before submission to Yamaha for reimbursement.
- Service warranty handbook should be retained by Customer and to be shown to dealer staff at the time of Service only.

SERVICING DEALER TO ENSURE THAT SERVICE RECORD IS DULY ENTERED ON PAGE 5-2.

JOBS TO BE CARRIED OUT DURING SERVICE

INSPECTION CHECK POINT:

1. Clean Spark Plug and reset the gap if necessary.
2. Check Valve clearance, adjust if necessary.
3. Set the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Clean / Replace Air Filter Element as recommended.
6. Check operation of Front, Rear Brakes & Level of brake fluid in reservoir. (if applicable).
7. For proper Clutch functioning, check alignment marks on Crank Case L.H, Adjust if necessary. (if applicable).
8. Check for Wheel Runout, repair if necessary.
9. Check Wheel Bearings (Front & Rear) for looseness, damage.
10. Check for Steering looseness / tightness, adjust if required.
11. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
12. Check Chain Slackness, alignment Adjust if necessary, Clean and lubricate as recommended. (if applicable).
13. Check all LED, Bulb and electrical operations.
14. Check and correct air pressure in Front and Rear Tires.
15. Check exhaust emission for 'CO' level at idling, correct if required.
16. Check and lubricate all the Pivot points / Side Stand.
17. Check coolant level and vehicle for coolant leakage and change as recommended (if applicable).
18. Check Front and Rear Brake Switch.
19. Check and lubricate the Clutch and Throttle Cable end.
20. Check sidestand switch operation.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE10W-40,
API service SL type,
JASO standard MA



IMPORTANT:

- **Note down the customer's observations.**
- **Wash Motorcycle and blow it dry with compressed air.**
- **Clean and polish Motorcycle after taking ROAD TEST.**
- **Tighten all Nuts and Bolts.**

SIXTH PAID SERVICE COUPON

VALIDITY : 25000 KMS OR 900 DAYS FROM THE DATE OF PURCHASE OF MOTORCYCLE WHICHEVER IS EARLIER.

This coupon entitles the owner to the paid service as per maintenance chart mentioned in Owner's manual and is mandatory for ***eligibility of warranty benefits.***

COUPON NO.	

6

FRAME NO. :

ENGINE NO. :

CUSTOMER MOBILE NO. :

DATE OF SALE :

JOB CARD NO. :

SERVICE DATE :

KILOMETERS :

SELLING DLR'S STAMP SIGN & CODE

SERVICING MAIN DLR'S/ YBC/ BRANCH/ YAMAHA POINT'S STAMP SIGN & CODE

COUPON PUNCHING STAMP SIGN & CODE

NOT CLAIMABLE

CUSTOMER'S CERTIFICATION

The jobs as per periodic maintenance chart in Owner's manual have been executed to my entire satisfaction.

Signature : _____

Name : _____

***NOTE** :
- All information of this coupon is mandatory to fill up before submission to Yamaha for reimbursement.
- Service warranty handbook should be retained by Customer and to be shown to dealer staff at the time of Service only.

SERVICING DEALER TO ENSURE THAT SERVICE RECORD IS DULY ENTERED ON PAGE 5-2.

JOBS TO BE CARRIED OUT DURING SERVICE

INSPECTION CHECK POINT:

1. Clean Spark Plug and reset the gap if necessary.
2. Check Valve clearance, adjust if necessary.
3. Set the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Clean / Replace Air Filter Element as recommended.
6. Check operation of Front, Rear Brakes & Level of brake fluid in reservoir. (if applicable).
7. For proper Clutch functioning, check alignment marks on Crank Case L.H, Adjust if necessary. (if applicable).
8. Check for Wheel Runout, repair if necessary.
9. Check Wheel Bearings (Front & Rear) for looseness, damage.
10. Check for Steering looseness / tightness, adjust if required.
11. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
12. Check Chain Slackness, alignment Adjust if necessary, Clean and lubricate as recommended. (if applicable).
13. Check all LED, Bulb and electrical operations.
14. Check and correct air pressure in Front and Rear Tires.
15. Check exhaust emission for 'CO' level at idling, correct if required.
16. Check and lubricate all the Pivot points / Side Stand.
17. Check coolant level and vehicle for coolant leakage and change as recommended (if applicable).
18. Check Front and Rear Brake Switch.
19. Check and lubricate the Clutch and Throttle Cable end.
20. Check sidestand switch operation.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE10W-40,
API service SL type,
JASO standard MA



IMPORTANT:

- **Note down the customer's observations.**
- **Wash Motorcycle and blow it dry with compressed air.**
- **Clean and polish Motorcycle after taking ROAD TEST.**
- **Tighten all Nuts and Bolts.**

FIFTH PAID SERVICE COUPON

VALIDITY : 20000 KMS OR 720 DAYS FROM THE DATE OF PURCHASE OF MOTORCYCLE WHICHEVER IS EARLIER.

This coupon entitles the owner to the paid service as per maintenance chart mentioned in Owner's manual and is mandatory for ***eligibility of warranty benefits.***

COUPON NO.	

5

FRAME NO. :

ENGINE NO. :

CUSTOMER MOBILE NO. :

DATE OF SALE :

JOB CARD NO. :

SERVICE DATE :

KILOMETERS :

SELLING DLR'S STAMP SIGN & CODE

SERVICING MAIN DLR'S/ YBC/ BRANCH/ YAMAHA POINT'S STAMP SIGN & CODE

COUPON PUNCHING STAMP SIGN & CODE

NOT CLAIMABLE

CUSTOMER'S CERTIFICATION

The jobs as per periodic maintenance chart in Owner's manual have been executed to my entire satisfaction.

Signature : _____

Name : _____

***NOTE** :
- All information of this coupon is mandatory to fill up before submission to Yamaha for reimbursement.
- Service warranty handbook should be retained by Customer and to be shown to dealer staff at the time of Service only.

SERVICING DEALER TO ENSURE THAT SERVICE RECORD IS DULY ENTERED ON PAGE 5-2.

JOBS TO BE CARRIED OUT DURING SERVICE

INSPECTION CHECK POINT:

1. Clean Spark Plug and reset the gap if necessary.
2. Check Valve clearance, adjust if necessary.
3. Set the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Clean / Replace Air Filter Element as recommended.
6. Check operation of Front, Rear Brakes & Level of brake fluid in reservoir. (if applicable).
7. For proper Clutch functioning, check alignment marks on Crank Case L.H, Adjust if necessary. (if applicable).
8. Check for Wheel Runout, repair if necessary.
9. Check Wheel Bearings (Front & Rear) for looseness, damage.
10. Check for Steering looseness / tightness, adjust if required.
11. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
12. Check Chain Slackness, alignment Adjust if necessary, Clean and lubricate as recommended. (if applicable).
13. Check all LED, Bulb and electrical operations.
14. Check and correct air pressure in Front and Rear Tires.
15. Check exhaust emission for 'CO' level at idling, correct if required.
16. Check and lubricate all the Pivot points / Side Stand.
17. Check coolant level and vehicle for coolant leakage and change as recommended (if applicable).
18. Check Front and Rear Brake Switch.
19. Check and lubricate the Clutch and Throttle Cable end.
20. Check sidestand switch operation.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE10W-40,
API service SL type,
JASO standard MA



IMPORTANT:

- **Note down the customer's observations.**
- **Wash Motorcycle and blow it dry with compressed air.**
- **Clean and polish Motorcycle after taking ROAD TEST.**
- **Tighten all Nuts and Bolts.**

FOURTH PAID SERVICE COUPON

VALIDITY : 15000 KMS OR 540 DAYS FROM THE DATE OF PURCHASE OF MOTORCYCLE WHICHEVER IS EARLIER.

COUPON NO.	

This coupon entitles the owner to the paid service as per maintenance chart mentioned in Owner's manual and is mandatory for ***eligibility of warranty benefits.***

4

FRAME NO. :

ENGINE NO. :

CUSTOMER MOBILE NO. :

DATE OF SALE :

JOB CARD NO. :

SERVICE DATE :

KILOMETERS :

SELLING DLR'S STAMP SIGN & CODE

SERVICING MAIN DLR'S/ YBC/ BRANCH/ YAMAHA POINT'S STAMP SIGN & CODE

COUPON PUNCHING STAMP SIGN & CODE

NOT CLAIMABLE

CUSTOMER'S CERTIFICATION

The jobs as per periodic maintenance chart in Owner's manual have been executed to my entire satisfaction.

Signature : _____

Name : _____

***NOTE :**
- All information of this coupon is mandatory to fill up before submission to Yamaha for reimbursement.
- Service warranty handbook should be retained by Customer and to be shown to dealer staff at the time of Service only.

SERVICING DEALER TO ENSURE THAT SERVICE RECORD IS DULY ENTERED ON PAGE 5-2.

JOBS TO BE CARRIED OUT DURING SERVICE

INSPECTION CHECK POINT:

1. Clean Spark Plug and reset the gap if necessary.
2. Check Valve clearance, adjust if necessary.
3. Set the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Clean / Replace Air Filter Element as recommended.
6. Check operation of Front, Rear Brakes & Level of brake fluid in reservoir. (if applicable).
7. For proper Clutch functioning, check alignment marks on Crank Case L.H, Adjust if necessary. (if applicable).
8. Check for Wheel Runout, repair if necessary.
9. Check Wheel Bearings (Front & Rear) for looseness, damage.
10. Check for Steering looseness / tightness, adjust if required.
11. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
12. Check Chain Slackness, alignment Adjust if necessary, Clean and lubricate as recommended. (if applicable).
13. Check all LED, Bulb and electrical operations.
14. Check and correct air pressure in Front and Rear Tires.
15. Check exhaust emission for 'CO' level at idling, correct if required.
16. Check and lubricate all the Pivot points / Side Stand.
17. Check coolant level and vehicle for coolant leakage and change as recommended (if applicable).
18. Check Front and Rear Brake Switch.
19. Check and lubricate the Clutch and Throttle Cable end.
20. Check sidestand switch operation.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE10W-40,
API service SL type,
JASO standard MA



IMPORTANT:

- **Note down the customer's observations.**
- **Wash Motorcycle and blow it dry with compressed air.**
- **Clean and polish Motorcycle after taking ROAD TEST.**
- **Tighten all Nuts and Bolts.**

THIRD FREE SERVICE COUPON

VALIDITY : 10000 KMS OR 360 DAYS FROM THE DATE OF PURCHASE OF MOTORCYCLE WHICHEVER IS EARLIER.

This coupon entitles the owner to the free service as per maintenance chart mentioned in Owner's manual and is mandatory for ***eligibility of warranty benefits.***

COUPON NO.	

3

FRAME NO. :

ENGINE NO. :

CUSTOMER MOBILE NO. :

DATE OF SALE :

JOB CARD NO. :

SERVICE DATE :

KILOMETERS :

SELLING DLR'S STAMP SIGN & CODE

SERVICING MAIN DLR'S/ YBC/ BRANCH/ YAMAHA POINT'S STAMP SIGN & CODE

COUPON PUNCHING STAMP SIGN & CODE

CLAIMABLE

CUSTOMER'S CERTIFICATION

The jobs as per periodic maintenance chart in Owner's manual have been executed to my entire satisfaction.

Signature : _____

Name : _____

***NOTE** :
- All information of this coupon is mandatory to fill up before submission to Yamaha for reimbursement.
- Service warranty handbook should be retained by Customer and to be shown to dealer staff at the time of Service only.

SERVICING DEALER TO ENSURE THAT SERVICE RECORD IS DULY ENTERED ON PAGE 5-2.

JOBS TO BE CARRIED OUT DURING SERVICE

INSPECTION CHECK POINT:

1. Clean Spark Plug and reset the gap if necessary.
2. Check Valve clearance, adjust if necessary.
3. Set the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Clean / Replace Air Filter Element as recommended.
6. Check operation of Front, Rear Brakes & Level of brake fluid in reservoir. (if applicable).
7. For proper Clutch functioning, check alignment marks on Crank Case L.H, Adjust if necessary. (if applicable).
8. Check for Wheel Runout, repair if necessary.
9. Check Wheel Bearings (Front & Rear) for looseness, damage.
10. Check for Steering looseness / tightness, adjust if required.
11. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
12. Check Chain Slackness, alignment Adjust if necessary, Clean and lubricate as recommended. (if applicable).
13. Check all LED, Bulb and electrical operations.
14. Check and correct air pressure in Front and Rear Tires.
15. Check exhaust emission for 'CO' level at idling, correct if required.
16. Check and lubricate all the Pivot points / Side Stand.
17. Check coolant level and vehicle for coolant leakage and change as recommended (if applicable).
18. Check Front and Rear Brake Switch.
19. Check and lubricate the Clutch and Throttle Cable end.
20. Check sidestand switch operation.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE10W-40,
API service SL type,
JASO standard MA



IMPORTANT:

- **Note down the customer's observations.**
- **Wash Motorcycle and blow it dry with compressed air.**
- **Clean and polish Motorcycle after taking ROAD TEST.**
- **Tighten all Nuts and Bolts.**

SECOND FREE SERVICE COUPON

VALIDITY : 5000 KMS OR 180 DAYS FROM THE DATE OF PURCHASE OF MOTORCYCLE WHICHEVER IS EARLIER.

COUPON NO.	

This coupon entitles the owner to the free service as per maintenance chart mentioned in Owner's manual and is mandatory for ***eligibility of warranty benefits.***

2

FRAME NO. :

ENGINE NO. :

CUSTOMER MOBILE NO. :

DATE OF SALE :

JOB CARD NO. :

SERVICE DATE :

KILOMETERS :

SELLING DLR'S STAMP SIGN & CODE

SERVICING MAIN DLR'S/ YBC/ BRANCH/ YAMAHA POINT'S STAMP SIGN & CODE

COUPON PUNCHING STAMP SIGN & CODE

CLAIMABLE

CUSTOMER'S CERTIFICATION

The jobs as per periodic maintenance chart in Owner's manual have been executed to my entire satisfaction.

Signature : _____

Name : _____

***NOTE** :
- All information of this coupon is mandatory to fill up before submission to Yamaha for reimbursement.
- Service warranty handbook should be retained by Customer and to be shown to dealer staff at the time of Service only.

SERVICING DEALER TO ENSURE THAT SERVICE RECORD IS DULY ENTERED ON PAGE 5-2.

JOBS TO BE CARRIED OUT DURING SERVICE

INSPECTION CHECK POINT:

1. Clean Spark Plug and reset the gap if necessary.
2. Check Valve clearance, adjust if necessary.
3. Set the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Clean / Replace Air Filter Element as recommended.
6. Check operation of Front, Rear Brakes & Level of brake fluid in reservoir. (if applicable).
7. For proper Clutch functioning, check alignment marks on Crank Case L.H, Adjust if necessary. (if applicable).
8. Check for Wheel Runout, repair if necessary.
9. Check Wheel Bearings (Front & Rear) for looseness, damage.
10. Check for Steering looseness / tightness, adjust if required.
11. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
12. Check Chain Slackness, alignment Adjust if necessary, Clean and lubricate as recommended. (if applicable).
13. Check all LED, Bulb and electrical operations.
14. Check and correct air pressure in Front and Rear Tires.
15. Check exhaust emission for 'CO' level at idling, correct if required.
16. Check and lubricate all the Pivot points / Side Stand.
17. Check coolant level and vehicle for coolant leakage and change as recommended (if applicable).
18. Check Front and Rear Brake Switch.
19. Check and lubricate the Clutch and Throttle Cable end.
20. Check sidestand switch operation.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE10W-40,
API service SL type,
JASO standard MA



IMPORTANT:

- **Note down the customer's observations.**
- **Wash Motorcycle and blow it dry with compressed air.**
- **Clean and polish Motorcycle after taking ROAD TEST.**
- **Tighten all Nuts and Bolts.**

FIRST FREE SERVICE COUPON

VALIDITY : 1000 KMS OR 60 DAYS FROM THE DATE OF PURCHASE OF MOTORCYCLE WHICHEVER IS EARLIER.

COUPON NO.	

This coupon entitles the owner to the free service as per maintenance chart mentioned in Owner's manual and is mandatory for ***eligibility of warranty benefits.***

1

FRAME NO. :

ENGINE NO. :

CUSTOMER MOBILE NO. :

DATE OF SALE :

JOB CARD NO. :

SERVICE DATE :

KILOMETERS :

SELLING DLR'S STAMP SIGN & CODE

SERVICING MAIN DLR'S/ YBC/ BRANCH/ YAMAHA POINT'S STAMP SIGN & CODE

COUPON PUNCHING STAMP SIGN & CODE

CLAIMABLE

CUSTOMER'S CERTIFICATION

The jobs as per periodic maintenance chart in Owner's manual have been executed to my entire satisfaction.

Signature : _____

Name : _____

***NOTE** :
- All information of this coupon is mandatory to fill up before submission to Yamaha for reimbursement.
- Service warranty handbook should be retained by Customer and to be shown to dealer staff at the time of Service only.

SERVICING DEALER TO ENSURE THAT SERVICE RECORD IS DULY ENTERED ON PAGE 5-2.

JOBS TO BE CARRIED OUT DURING SERVICE

INSPECTION CHECK POINT:

1. Clean Spark Plug and reset the gap if necessary.
2. Check Valve clearance, adjust if necessary.
3. Set the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Clean / Replace Air Filter Element as recommended.
6. Check operation of Front, Rear Brakes & Level of brake fluid in reservoir. (if applicable).
7. For proper Clutch functioning, check alignment marks on Crank Case L.H, Adjust if necessary. (if applicable).
8. Check for Wheel Runout, repair if necessary.
9. Check Wheel Bearings (Front & Rear) for looseness, damage.
10. Check for Steering looseness / tightness, adjust if required.
11. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
12. Check Chain Slackness, alignment Adjust if necessary, Clean and lubricate as recommended. (if applicable).
13. Check all LED, Bulb and electrical operations.
14. Check and correct air pressure in Front and Rear Tires.
15. Check exhaust emission for 'CO' level at idling, correct if required.
16. Check and lubricate all the Pivot points / Side Stand.
17. Check coolant level and vehicle for coolant leakage and change as recommended (if applicable).
18. Check Front and Rear Brake Switch.
19. Check and lubricate the Clutch and Throttle Cable end.
20. Check sidestand switch operation.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE10W-40,
API service SL type,
JASO standard MA



IMPORTANT:

- **Note down the customer's observations.**
- **Wash Motorcycle and blow it dry with compressed air.**
- **Clean and polish Motorcycle after taking ROAD TEST.**
- **Tighten all Nuts and Bolts.**

PRE-DELIVERY INSPECTION REPORT

(To be filled in by the Dealer on receipt of the Motorcycle from Yamaha)

No.	

Frame No.	Engine No.	Odometer Reading	Date of Inspection	Date of Sale

1. Check

a. Check for any missing item(s), scratches in painted/plated part(s), saddle or other external visual damages and take corrective action.
Check each of the following items individually and mention the corrective action (as per the recommended specifications) in the boxes provided.

☑ Found OK [S] Set right [R] Replaced [C] Cleaned [L] Lubricated

b. Check engine oil for leakage ☐
c. Check engine oil level and correct (if necessary) ☐
d. Wash the motorcycle and dry. (use Yamalube Shampoo only) ☐
e. Check brake fluid level and correct (if necessary) ☐

2. Check for looseness and movement of

a. Fuel tank mounting bolt ☐
b. Saddle lock ☐
c. Tail and side covers ☐
d. Rear wheel axle nut ☐
e. Front wheel axle nut ☐
f. Steering movement ☐
g. Check for front fork movement ☐
h. Rear shock absorber ☐

PRE-DELIVERY INSPECTION REPORT

3. Free play and adjustment

a. Clutch lever free play (10-15 mm) ☐
b. Throttle free play (3-5 mm) ☐
c. Drive chain slackness 35-40 mm, 40-45 mm(with maintenance stand) ☐

4. Lock operation

a. Ignition ☐
b. Steering ☐
c. Fuel tank ☐
d. Saddle ☐

5. Wheel & Tire

Tire pressure :

Front 175 kPa (1.75 kgf/cm^2, 25 psi) ☐
Rear 200 kPa (2.00 kgf/cm^2, 29 psi) ☐

Radial wheel runout limit - 1.0 mm ☐
Lateral wheel runout limit - 0.5 mm ☐

6. Engine

Adjust engine idling speed (if needed) 1300-1500 r/min ☐

7. Electrical

a. Ignition switch operation ☐
b. Clutch switch operation ☐
c. Brake switch operation ☐
d. Sidestand switch operation ☐

e. Left handlebar switch operation
   - Pass Switch ☐
   - Dimmer switch ☐
   - Headlight switch ☐
   - Turn signal switch ☐
   - Horn switch ☐

f. Right handlebar switch operation
   - Engine stop switch ☐
   - Start switch ☐

g. All bulbs functioning ☐

h. Meter panel lights/LEDs ☐

i. Battery
   - Voltage ☐
   - Fuse ☐

8. Road Test

a. Starting ☐
b. Gear shifting operation ☐
c. Clutch operation ☐
d. Application of brakes (front and rear) ☐
e. Check ABS function ☐
f. Engine abnormal noise/vibration ☐

9. Polish the vehicle

(Use only Yamalube polish)
Do not apply polish directly on painted surface. ☐

EXPLAINED BY	
SIGNATURE _____ **NAME**	
MAIN SELLING DLR'S STAMP, SIGN & CODE	

CUSTOMER'S SIGN.
_____

INSTALLATION

Procedures to be explained to the customer on delivery of the Motorcycle by the Dealer's Representative

1. Operation of all the locks (Ignition, Steering, Fuel tank cap & Saddle).
2. Fuel meter display operation in all the condition.
3. Operation of throttle.
4. Operation of handle bar switches, their functions and pass beam.
5. Operation of Start switch / engine stop switch & its functioning.
6. Disadvantages of riding on half clutch (Never ride with clutch pressed).
7. Gear shifting pattern.
8. Tire air pressure : **Front** - 175 kPa (25 psi) **Rear** - 200 kPa (29 psi)
9. Never give sudden acceleration, always accelerate gradually.
10. Simultaneous use of front and rear brakes.
11. Checking of brake fluid at regular intervals.
12. Never ride with your foot on rear brake pedal.
13. Sidestand switch operation.
14. Use of helmet holder.
15. Function of all the multifunction display on meter panel.
16. Never keep the ignition switch on when vehicle is not in use.

17. Check the operation of odometer, trip meter and fuel meter.
18. Location of storage and tool kit compartments and their use.
19. Procedure of opening and closing of side covers.
20. Correct drive chain slackness 35-40 mm, 40-45 mm (with maintenance stand)
21. Correct type of spark plug and spark plug gap.
22. Engine oil level checking and explaining the importance of **replacing the engine oil in every service Always use YAMALUBE SAE 10W-40, API service SL type, JASO standard MA.**
23. Break-in period/ preventive maintenance schedule instructions.
24. Information of emission and safety norms.
25. Importance of first service at 1000 kms and schedule of free services.
26. Warranty terms and conditions.

IMPORTANT

EXPLAINED BY

SIGNATURE : _____ NAME :

MAIN SELLING DLR'S STAMP, SIGN & CODE

CUSTOMER'S SIGN.

SERVICE RECORD

Customer ID	

No.	

CUSTOMER'S NAME & ADDRESS: _____

_____

TELEPHONE / MOBILE / E-MAIL: _____

MOTORCYCLE IDENTIFICATION

FRAME NO. :

ENGINE NO. :

DATE OF SALE :

SELLING DLR'S
STAMP, SIGN & CODE

SERVICE RECORD

Service / warranty record

FREE SERVICE RECORD

PAID SERVICE RECORD

S. NO.	VALIDITY*		SERVICED AT	JOB DETAILS/ CARD NO	SERVICING DEALER'S NAME & ADDRESS
	KMS OR DAY	DATE	KMS / ON DATE		
1	1000 OR 60				
2	5000 OR 180				
3	10000 OR 360				
4	15000 OR 540				
5	20000 OR 720				
6	25000 OR 900				
7	30000 OR 1080				

*Kilometers or days from date of purchase whichever comes first.

Important

(i) Cost of oil and consumables for the free services will be chargeable at actual and to be borne by the customer.

(ii) Please ensure that the servicing dealer column is duly stamped & signed by the servicing dealer.

(iii) For the validity of “Warranty” benefits, it is mandatory that all services are availed by the customer as per the recommended schedule, as given in the Service & warranty handbook.

(iv) Please ensure that each service is availed as per the recommended service schedule, kilometers or days from date of purchase whichever comes first

BIKE & OWNER CARE KIT - BENEFIT TO CUSTOMER

	Attachments & Their Benefits
	**Tool Kit :** **Benefit -** Containing tools for minor adjustments
	**Rear View Mirror :** **Benefit -** Legal part enhancing your safety
	**Owner's manual with Service and warranty handbook :** **Benefit -** • Introduction of product and operations • Warranty and service schedule explanation

	Attachments & Their Benefits
	**First Aid Kit :** *Applicable for IND only **Benefit -** Containing necessary first aid treatment

Note **:** Before every ride, ensure your bike is fully equipped with Bike & customer care kit.

Bike and owner care kit - New Vehicle

S. NO.	Items	Availability
1	Tool kit	√
2	Rear view mirror	√
3	Owner's manual with Service and warranty handbook	√
4	First aid kit	√

All the items mentioned above are received free of charge with my Motorcycle.

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Frame number of the vehicle	**Delivering person's signature**	**Customer's signature**

Note **: This items mentioned above are supplied by YAMAHA free of charge with each vehicle, YAMAHA can change / modify the items in the above kit without prior notice.**

GREEN BOOK

LET US KEEP OUR ENVIRONMENT CLEAN

(PLEASE READ THIS BOOK CAREFULLY)

IMPORTANT GUIDELINES

1. Government regulations

1.1 Exhaust emission has harmful effect on our environment / public health.

1.2 To safeguard environment from getting polluted, Govt. of India has enforced specific regulations to control Automobile exhaust emission.

1.3 The Center Motor Vehicle Rule (CMVR) states that for **Motorcycles, Carbon monoxide emission, during idling shall always be less than 0.5% (By Volume).**

1.4 **Non compliance with above standard is a punishable offence.**

2. Action by India Yamaha Motor Pvt. Ltd.

2.1 **YAMAHA** as a manufacturer ensures that all Motorcycles leaving the factory meet the exhaust emission norms as specified by CMVR.

2.2 Special note has been included in the "Owner's Manual" for reference and attention by the Owner / User.

2.3 Vehicle has a factory tuned throttle body, which is optimally adjusted to meet the requirement of exhaust emission. This adjustment not be tampered as it may cause variation in pre-controlled "CO" emission levels. Subsequently, it becomes very important that it should always be within the recommended limit, when checked by a properly calibrated "CO" measuring equipment.

3. Guidelines to be followed by the owners/users of motorcycles.

3.1 Please ensure that the "CO" emission is got checked by authorised agencies registered with the appropriate authorities.

3.2 Please ensure that the "CO" is within specified limits of 0.5% (by volume). If it is not so, it should be got reset by **YAMAHA** Authorised dealer.

3.3 Do not tamper with the throttle body settings done by the Factory/**YAMAHA** Authorised dealer.

3.4 Please maintain the log sheet provided in the green book.

3.5 **Proper Installation :** The Owner/User must clearly understand, from the dealer, all the points related to proper installation of the motorcycle as described in the Service and warranty hand book.

If the owner of the Vehicle does not comply with above legal requirement, the Vehicle may be deregistered or penalty may be imposed by the authorities.

The following points may be checked and suitable corrective action should be taken if required, to ensure emission levels to remain within acceptable limits.

1. Replace air filter element as per recommendations.
2. Clean, inspect and adjust spark plug gap periodically.
3. Use only recommended spark plug. Replace it as per recommendations.
4. Use only recommended grade (SL Type) of genuine engine oil of superior quality.
5. Replace oil filter as per recommendations.
6. Get your vehicle serviced and tuned periodically as per recommended schedule.
7. Use unadulterated petrol.

As per CMVR rules certain safety norms have been mandated for the two wheelers to prevent accidents. The following items have been provided in the vehicle for your safety.

1. Horn
2. Rear view mirror
3. Efficient front & rear brakes (To be applied simultaneously)
4. Grip for pillion rider
5. Head Light / Tail Light
6. Helmet holder
7. Indicators

It is recommended to use a Protective head gear (Helmet) conforming to specification of B.I.S. (Bureau of Indian Standards).

In the interest of your own safety you are requested to always keep the above items (and the vehicle in general) in good working condition to avoid any accident.

DO'S AND DON'TS FOR THE MOTORCYCLE

DO'S (✓)

✓ 1 Always use genuine 'spare parts' purchased from **YAMAHA** Authorised dealers.

✓ 2 Always use only genuine oils

- YAMALUBE SAE10W-40, API service SL type, JASO standard MA

✓ 3 Always keep your engine well tuned. Save environment and also improve fuel efficiency.

✓ 4
- ALWAYS GET YOUR MOTORCYCLE REPAIRED AND MAINTAINED ONLY AT **YAMAHA** AUTHORISED DEALER.
- **YAMAHA** serves you through a wide network of Authorised dealers.

✓ 5 Check the following at every scheduled service:-

a)	Spark plug	: Check/Reset gap/Replace as per the recommendations in the Owner's Manual.
b)	Air filter	: Replace every 15000 kms or as per the environment conditions.
c)	Piston / Rings / Cylinder	: Check / Clean / Replace if necessary.
d)	Exhaust system	: Check / Replace if necessary.
e)	Valve timing	: Check / Adjust according to maintenance schedule.
f)	Compression pressure	: Check / Diagnose.

- ✓ 6 If misfiring, get your Motorcycle diagnosed & attended immediately without running even for a KM.
- ✓ 7 Get Motorcycle maintained regularly as per details and schedule given in Service & warranty hand book.
- ✓ 8 Get emission of your Motorcycle inspected at least once every 3 months.
- ✓ 9 Please follow good driving habits in varying traffic conditions.
- ✓ 10 Switch "OFF" the engine while waiting at signal point.

DON'TS (×)

- × 1. Don't overload/overspeed your motorcycle.
- × 2. Don't alter or modify your Motorcycle.
- × 3. Never drive with Ignition "OFF" while moving down a slope.
- × 4. Don't turn off the engine or interrupt the ignition when the transmission is in gear & the Motorcycle is in motion.
- × 5. Don't idle the engine for a prolonged period.
- × 6. Don't use Non-Genuine parts.
- × 7. Don't buy adulterated petrol / oil.

‘CO’ EMISSION LEVEL MEASUREMENT

4. Procedure for measurement of “CO” emission level

4.1 **IMPORTANT :** “CO” measurement equipment must be duly calibrated.

4.2 Check for “NO LEAKAGE” from exhaust system.

4.3 All electricals should be in OFF position.

4.4 Set the idle speed of the engine in warmed up condition of motorcycle as specified.

IDLE RPM : 1300 - 1500 RPM

4.5 Insert the sampling probe of the exhaust gas analyser inside the exhaust muffler of the motorcycle.

4.6
- If the reading is within specified limits then it is acceptable.
- If the reading exceeds the norm of 0.5% (by volume) have it adjusted by **YAMAHA** Authorised dealer.

4.7 **YAMAHA** serve you through an extensive network of
- Yamaha authorised dealers
- Yamaha bike corners
- Yamaha points

5. List of components impacting “emission”

a. Air filter

b. Throttle body

c. Cylinder

d. Piston ring & piston

e. Cylinder head

f. Rocker arm

g. Valves

h. Cam shaft

i. Valve seals

j. Timing chain

k. Air induction system

l. Ignition coil, ECU, Magneto

m. Spark plug

n. Exhaust system

o. Canister

LOG SHEET (To be Filled in by Owner/User)

Customer Name :

Address :

Selling Dealer :

Date of Purchase :

Vehicle Reg. No. :

SL. No.	Date	KM Reading	Job Card No.	Service (Free/Paid)	Parts Replaced	Oil Fill Qty.	CO Level (Date/Value)	Serv. Dealer

We promise to give hassle free service all the time. Please give us your valuable feedback, suggestion or complaint on :
Contact no. : 1800-420-1600 (Toll free 8 am to 5 pm) e-mail us : yes@yamaha-motor-india.com. Enjoy the ride with YAMAHA !

ALWAYS USE
YAMAHA GENUINE SPARE PARTS

YAMAHA

GENUINE

Parts & Accessories



For your Safety, Always Use Yamaha Genuine Helmet*



YRF



YRB

Always use Best Quality Yamaha Genuine Accessories for long life*



Engine Guard



USB Charger



Tank Pad



Seat Cover



LED Flasher



Blue Riding Jacket

*Products performance are subject to its own warranty conditions.

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