YAMAHA

OWNER'S MANUAL

⚠ Read this manual carefully before operating this vehicle.



SCOOTER

GDR155-A

BLV-F819V-E2

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EAU46094

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

EAU10114

Welcome to the Yamaha world of motorcycling!
As the owner of the GDR155-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 GDR155-A. The Owner's Manual does not only instruct you in how to operate, inspect and maintain your scooter, 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 scooter 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 scooter and this manual. If there is any question concerning this manual, please consult a Yamaha dealer.

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⚠ WARNING

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

Important manual information

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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

GDR155-A
OWNER'S MANUAL
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Location of important labels

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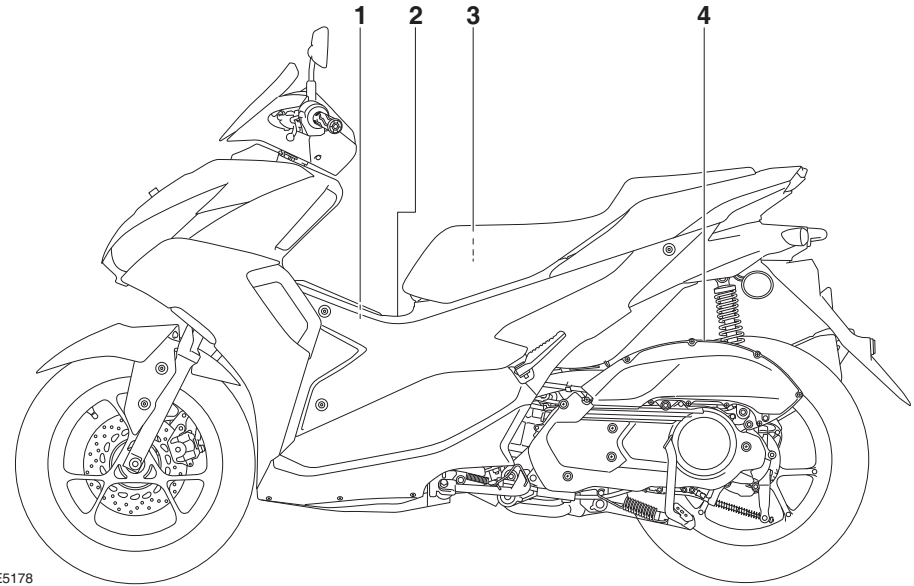
1

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.



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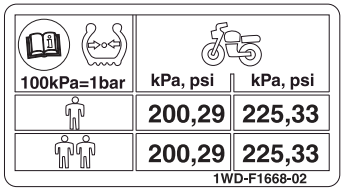
1



2



3



4



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2

Be a Responsible Owner

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

Scooters 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 scooter.

He or she should:

- Obtain thorough instructions from a competent source on all aspects of scooter 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 scooter without proper training or instruction. Take a training course. Beginners should receive training from a certified instructor. Contact an authorized scooter 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 7-1 for a list of pre-operation checks.

- This scooter is designed to carry the operator and a passenger.
- The failure of motorists to detect and recognize scooters in traffic is the predominating cause of automobile/scooter accidents. Many accidents have been caused by an automobile driver who did not see the scooter. 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 scooter accidents to occur.
- Ride where other motorists can see you. Avoid riding in another motorist's blind spot.
- Never maintain a scooter without proper knowledge. Contact an authorized scooter dealer to inform you on basic scooter 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 driver's license.
  - Make sure that you are qualified and that you only lend your scooter 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 scooter where there is no traffic until you have become thoroughly familiar with the scooter and all of its controls.
- Many accidents have been caused by error of the scooter 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 scooter.
  - 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 scooter is designed for on-road use only. It is not suitable for off-road use.

Protective Apparel

The majority of fatalities from scooter 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, substantial shoes, 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 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 scooter can adversely affect stability and handling if the weight distribution of the scooter is changed. To avoid the possibility of an accident, use extreme caution when adding cargo or accessories to your scooter. Use extra care when riding a scooter 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 scooter:

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:
153 kg (337 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 scooter 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 scooter to minimize imbalance or instability.
- Shifting weights can create a sudden imbalance. Make sure that accessories and cargo are securely attached to the scooter 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. Such items 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 scooter. 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 scooter due to aerodynamic effects. Wind may attempt to lift the scooter, or the scooter 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 scooter'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 scooter 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. Refer to page 9-19 for tire specifications and more information on replacing your tires.

Transporting the Scooter
Be sure to observe following instructions before transporting the scooter in another vehicle.

- Remove all loose items from the scooter.
- Point the front wheel straight ahead on the trailer or in the truck bed, and choke it in a rail to prevent movement.
- Secure the scooter with tie-downs or suitable straps that are attached to solid parts of the scooter, 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 scooter will not bounce excessively during transport.

EAU57600

Further safe-riding points

- Be sure to signal clearly when making turns.
- Braking can be extremely difficult on a wet road. Avoid hard braking, because the scooter could slide. Apply the brakes slowly when stopping on a wet surface.
- Slow down as you approach a corner or turn. Once you have completed a turn, accelerate slowly.
- Be careful when passing parked cars. A driver might not see you and open a door in your path.
- Railroad crossings, streetcar rails, iron plates on road construction sites, and manhole covers become extremely slippery when wet. Slow down and cross them with caution. Keep the scooter upright, otherwise it could slide out from under you.
- The brake pads or linings could get wet when you wash the scooter. After washing the scooter, check the brakes before riding.

- Always wear a helmet, gloves, trousers (tapered around the cuff and ankle so they do not flap), and a brightly colored jacket.
- Do not carry too much luggage on the scooter. An overloaded scooter is unstable. Use a strong cord to secure any luggage to the carrier (if equipped). A loose load will affect the stability of the scooter and could divert your attention from the road. (See page 2-3.)

Description

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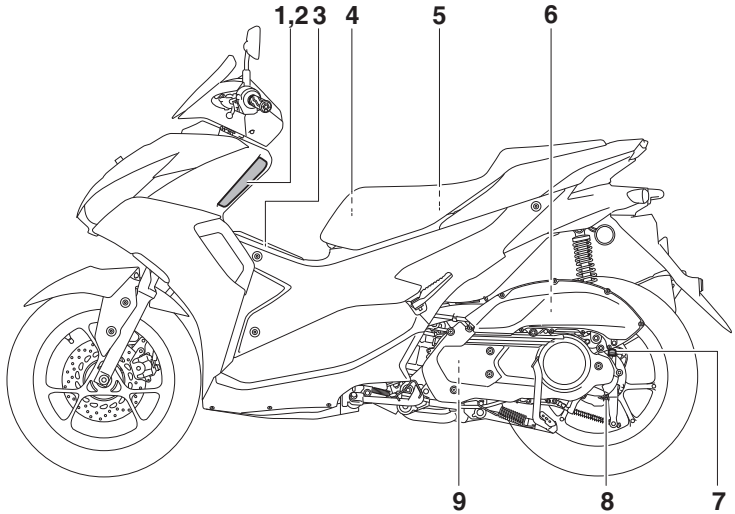
Left view



ZAUE4558

1. Front storage compartment (page 6-19)
2. Power outlet (page 6-21)
3. Fuel tank cap (page 6-15)
4. Tool kit (page 9-1)
5. Rear storage compartment (page 6-19)
6. Air filter element (page 9-16)
7. Final transmission oil filler cap (page 9-13)
8. Final transmission oil drain bolt (page 9-13)
9. V-belt case air filter element (page 9-16)

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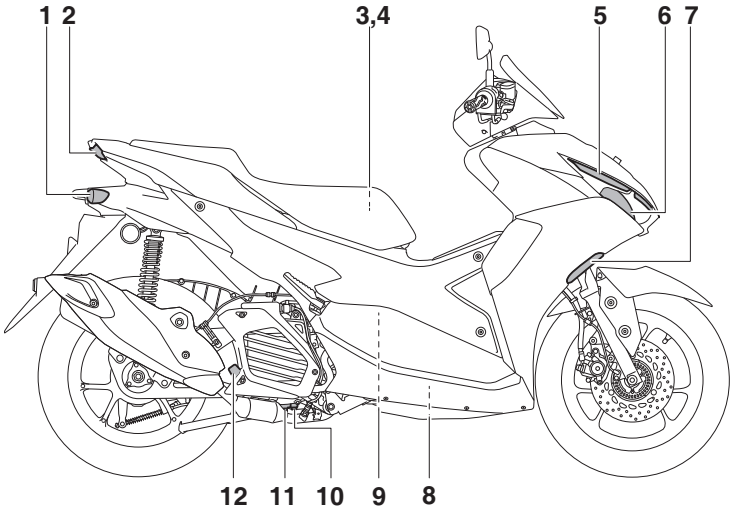
Right view

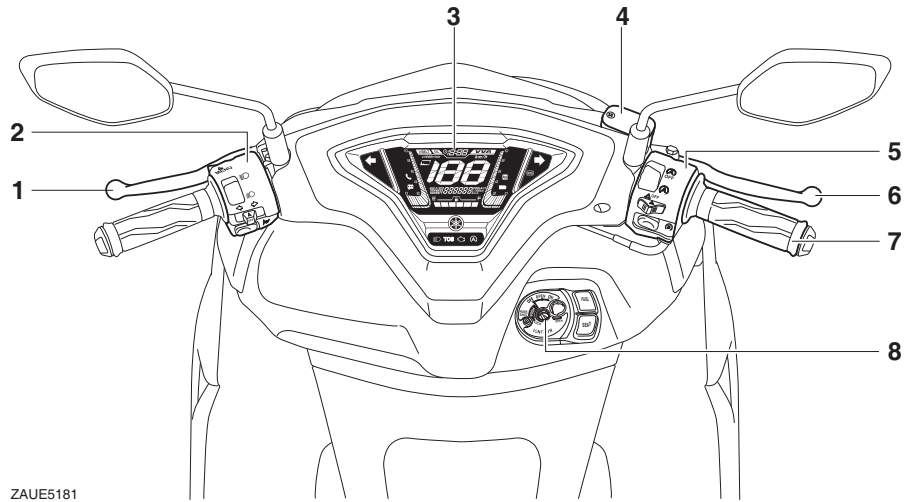


ZAUE5180

1. Rear turn signal lights (page 9-33)
2. Tail/brake light
3. Battery (page 9-29)
4. Fuse box (page 9-30)
5. Auxiliary light (page 9-32)
6. Headlight (page 9-32)
7. Front turn signal light (page 9-32)
8. Coolant reservoir (page 9-15)
9. Spark plug (page 9-9)
10. Engine oil drain bolt A (page 9-11)
11. Engine oil drain bolt B (page 9-11)
12. Engine oil filler cap (page 9-11)

EAU10431

Controls and instruments

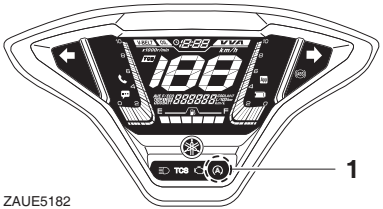


ZAUE5181

1. Rear brake lever (page 6-14)
2. Left handlebar switches (page 6-12)
3. Multi-function meter unit (page 6-5)
4. Front brake fluid reservoir (page 9-24)
5. Right handlebar switches (page 6-12)
6. Front brake lever (page 6-14)
7. Throttle grip (page 9-19)
8. Main switch (page 6-1)

EAU76826

Stop and Start System



ZAUE5182

1. Stop and Start System indicator light "Ⓐ"

The Stop and Start System stops the engine automatically when the vehicle is stopped in order to prevent noise, control exhaust emissions, and reduce fuel consumption.
When the rider turns the throttle grip slightly, the engine restarts automatically and the vehicle starts off.

ECA23961

NOTICE

When parking the vehicle or leaving the vehicle unattended, be sure to turn the main switch off. If the Stop and Start System is left turned on, the battery could become discharged and it may not be possible to restart the engine due to insufficient battery voltage.

TIP

- Although the engine normally stops at the same time as the vehicle, there may be a delay when operating the vehicle under 10 km/h, such as in heavy traffic.
- If you think the battery voltage is low because the engine cannot be started using the starter switch or for some other reason, do not turn on the Stop and Start System.
- Have a Yamaha dealer check the battery at the intervals specified in the periodic maintenance chart.

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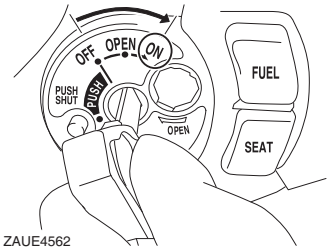
Stop and Start System operation

EAU76687

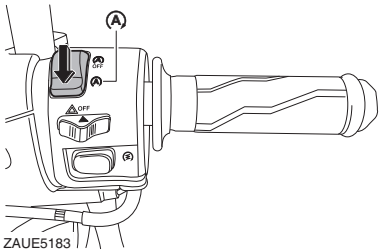
Activating the Stop and Start System

1. Turn the main switch on.



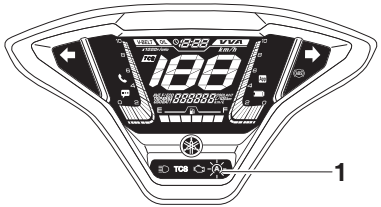
ZAUE4562

2. Set the Stop and Start System switch to "Ⓐ".



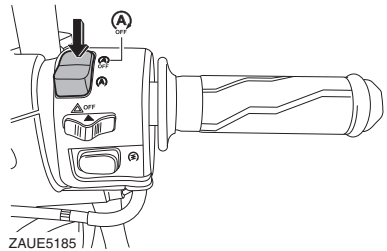
ZAUE5183

3. The Stop and Start System activates and the indicator light comes on when the following conditions are met:
   - The Stop and Start System switch is set to "Ⓐ".
   - After the engine was warmed up, the engine was left idling for a certain period.
   - The vehicle has traveled at a speed of 10 km/h or higher.



ZAUE5184
1. On

4. To turn off the Stop and Start System, set the Stop and Start System switch to "Ⓐ".



ZAUE5185

TIP

- To preserve battery power, the Stop and Start System may not activate.
- If the Stop and Start System does not activate, have a Yamaha dealer check the battery.

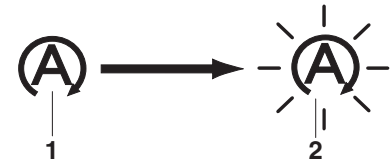
EAU76832

Stop the engine

The engine will stop automatically when the following conditions are met:

- The Stop and Start System switch is set to "Ⓐ".
- The "Ⓐ" indicator light on the multi-function meter is on.
- The vehicle is stopped with the throttle grip fully returned.

At this time, the "Ⓐ" indicator light starts flashing to indicate that the engine is currently stopped by the Stop and Start System.

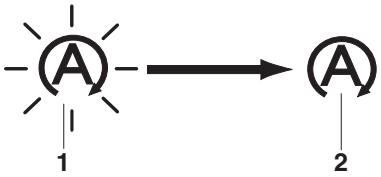


1. On
2. Flashing

EAU76704

Restart the engine

If the throttle grip is turned while the Stop and Start System indicator light is flashing, the engine will automatically restart and the "Ⓐ" indicator light will stop flashing.



1. Flashing
2. Off

EWA18731

⚠ WARNING

Do not turn the throttle grip too much or too quickly when the Stop and Start System is activated and the engine is stopped. Otherwise, the vehicle could start moving unexpectedly after the engine restarts.



TIP

- When the sidestand is lowered, the Stop and Start System is deactivated.
- If the Stop and Start System does not operate correctly, have a Yamaha dealer check the vehicle.

EAU76711

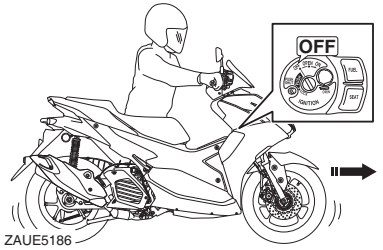
Precautions when using the Stop and Start System

In order to prevent accidents due to improper operation, carefully read and observe the following precautions.

EWA18741

⚠ WARNING

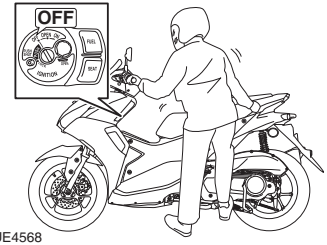
When walking while pushing the vehicle, be sure to turn the main switch off. If the vehicle is pushed while the Stop and Start System is left turned on, the engine could start and the vehicle could start moving if the throttle grip is turned accidentally.



EWA18751

⚠ WARNING

When placing the vehicle on the centerstand, be sure to turn the main switch off. If the vehicle is placed on the centerstand while the Stop and Start System is left turned on, the engine could start and the vehicle could start moving if the throttle grip is turned accidentally.

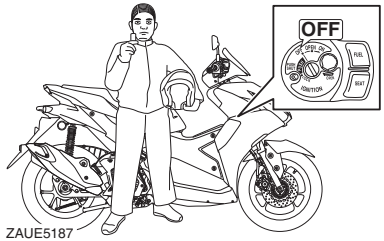


ZAUE4568

EWA18771

WARNING

- **When leaving the vehicle unattended, be sure to turn the main switch off.**
- **Do not leave the Stop and Start System turned on when parking the vehicle. Otherwise, the engine could start and the vehicle could start moving if the throttle grip is turned accidentally.**



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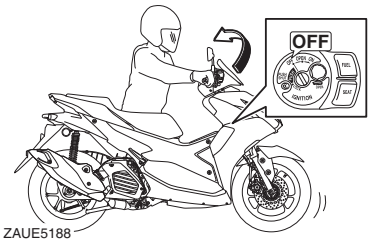
WARNING

Before performing maintenance, be sure to turn the main switch off. If maintenance is performed while the Stop and Start System is turned on, the engine could start and the vehicle could start moving if the throttle grip is turned.



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EAU88854

Traction control system

The traction control system helps maintain traction when accelerating on slippery surfaces, such as unpaved or wet roads. If sensors detect that the rear wheel is starting to slip (uncontrolled spinning), the traction control system assists by regulating engine power as needed until traction is restored.

When traction control has engaged, the "TCS" indicator light will flash. You may notice changes in engine response or exhaust sounds.

EWA18860

⚠ WARNING

The traction control system is not a substitute for riding appropriately for the conditions. Traction control cannot prevent loss of traction due to excessive speed when entering turns, when accelerating hard at a sharp lean angle, or while braking, and cannot prevent front wheel slipping. As with any vehicle, approach surfaces that may be slippery with caution and avoid especially slippery surfaces.

Setting the traction control system

When the vehicle is turned on, traction control is automatically turned on.

To turn the traction control system off, see page 6-11.

TIP

- Turn the traction control system off to help free the rear wheel if the vehicle gets stuck in mud, sand, or other soft surfaces.
- When the vehicle is on the centerstand, do not rev the engine for an extended period of time. Otherwise, the traction control system will automatically disable and need to be reset.

ECA16801

NOTICE

Use only the specified tires. (See page 9-19.) Using different sized tires will prevent the traction control system from controlling tire rotation accurately.

Resetting the traction control system

The traction control system will automatically disable under certain conditions; such as when a sensor fault is detected, or when only one wheel is allowed to rotate for more than a few seconds. Should this happen, the "TCS" indicator light will come on.

If the traction control system automatically disables, reset it by riding under normal conditions.

TIP

If the "TCS" indicator light remains on, the vehicle may still be ridden; however, have a Yamaha dealer check the vehicle as soon as possible.

EAUE4820

CCU (Communication Control Unit)

This model is equipped with a CCU that allows your vehicle and smartphone to connect using Bluetooth wireless technology and the Yamaha Motorcycle Connect smartphone app. With this connection, notifications from SNS (social network service) apps, incoming phone calls and missed calls are signaled to you, and the battery level of your smartphone is displayed. The Yamaha Motorcycle Connect app also provides other information such as your last parking location, etc.

EWAN0070

⚠ WARNING

- **Always stop the vehicle before operating your smartphone.**
- **Never take your hands off the handlebars while riding.**
- **Always concentrate on riding by keeping your eyes and mind on the road.**

ECAN0150

NOTICE

The Bluetooth connection may not work in the following situations.

- **In a location exposed to strong radio waves or other electromagnetic noise.**
- **At facilities nearby that are emitting strong radio waves (TV or radio towers, power plants, broadcasting stations, airports, etc.).**

Pairing the CCU and your smartphone

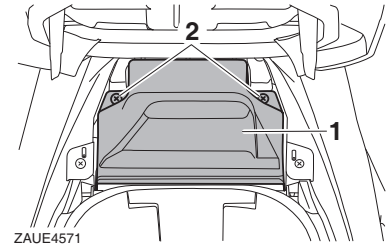
1. Scan the QR code below and download the Yamaha Motorcycle Connect app.

ZAUE4381

TIP

Yamaha Motorcycle Connect may not work on all smartphone models and OS (operating system) versions.

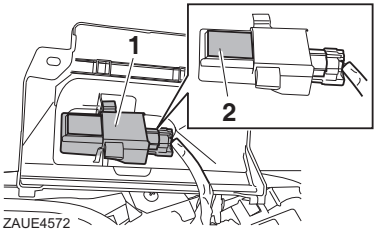
2. Open the seat. (See page 6-18.)
3. Remove the battery cover.



ZAUE4571

1. Battery cover
2. Screw

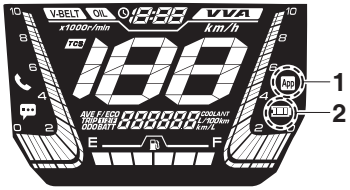
4. Pull out the CCU and scan its QR code with your smartphone.



ZAUE4572

1. CCU (Communication Control Unit)
2. CCU QR Code

5. When pairing is complete, the Yamaha Motorcycle Connect icon and smartphone battery level meter will come on.



ZAUE5189

1. Yamaha Motorcycle Connect icon
2. Smartphone battery level meter

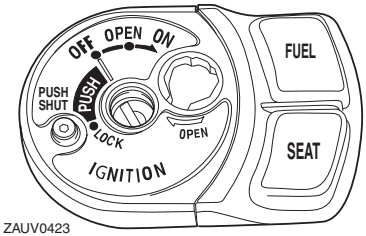
TIP

- Once paired, the smartphone is registered in the CCU. The next time the vehicle is turned on and the Yamaha Motorcycle Connect app is active, the connection will be automatically executed.
- Only one smartphone can be connected to the CCU at one time.

5

EAUN0264

Main switch/steering lock



ZAUV0423

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

TIP

The main switch/steering lock is equipped with a keyhole shutter. (See page 6-2 for keyhole shutter opening and closing procedures.)

EAU85043

ON

All electrical circuits are supplied with power and the vehicle lights are turned on. The engine can be started. The key cannot be removed.

TIP

- To prevent battery discharge, do not leave the key in the "ON" position without the engine running.
- The headlight comes on automatically when the engine is started.

EAU10664

OFF

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

EWA10062

⚠ WARNING

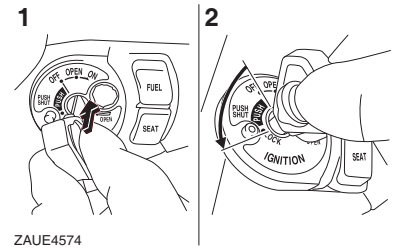
Never turn the key to "OFF" or "LOCK" while the vehicle is moving. Otherwise the electrical systems will be switched off, which may result in loss of control or an accident.

EAU1068B

LOCK

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

To lock the steering



ZAUE4574

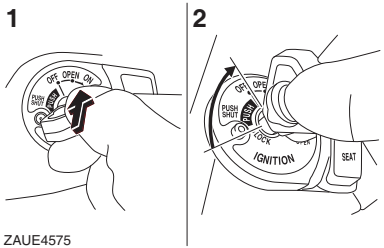
1. Push.
2. Turn.

1. Turn the handlebars all the way to the left.
2. With the key in the "OFF" 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 back to the right slightly.

To unlock the steering



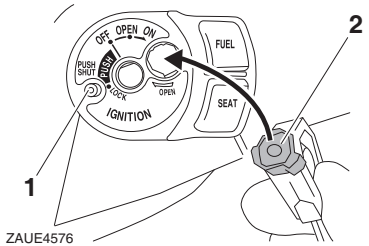
ZAUE4575

1. Push.
2. Turn.

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

EAUN0354

Keyhole shutter



ZAUE4576

1. “PUSH SHUT” button
2. Shutter key

To open the keyhole shutter

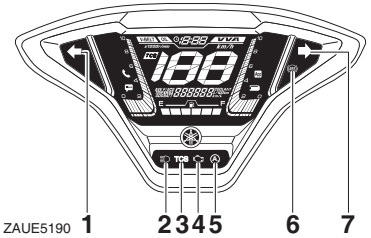
Insert the shutter key into the keyhole shutter receptacle as shown, and then turn the key to the right to open the keyhole shutter.

To close the keyhole shutter

Press the “PUSH SHUT” button to close the keyhole shutter.

EAU4939Y

Indicator lights and warning lights



ZAUE5190

1. Left turn signal indicator light “⇦”
2. High beam indicator light “≣O”
3. Traction control system indicator light “TCS”
4. Malfunction indicator light “”
5. Stop and Start System indicator light “Ⓐ”
6. Anti-lock Brake System (ABS) warning light “(ABS)”
7. Right turn signal indicator light “⇨”

EAU11033

Turn signal indicator lights “⇦” and “⇨”

Each indicator light will flash when its corresponding turn signal lights flash.

6

EAU11081

High beam indicator light "≣D"

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

EAU93300

Malfunction indicator light (MIL) "⚙"

This light comes on or flashes 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. The electrical circuit of the warning light can be checked by turning the vehicle power on. The light should come on for a few seconds, and then go off. If the light does not come on initially when the vehicle power is turned on, or if the light remains on, have a Yamaha dealer check the vehicle.

ECA26820

NOTICE

If the MIL starts flashing, reduce engine speed to prevent exhaust system damage.

TIP

The engine is sensitively monitored by the on-board diagnostic system to detect deterioration or malfunction of the emission control system. Therefore the MIL may come on or flash due to vehicle modifications, lack of maintenance, or excessive/improper use of the vehicle. To prevent this, observe these precautions.

- Do not attempt to modify the software of the engine control unit.
- Do not add any electrical accessories that interfere with engine control.
- Do not use aftermarket accessories or parts such as suspension, spark plugs, injectors, exhaust system, etc.
- Do not change the drivetrain specifications (chain, sprockets, wheels, tires, etc.).
- Do not remove or alter the O2 sensor, air induction system, or exhaust parts (catalysts or EXUP, etc.).
- Maintain proper V-belt and drive belt (if equipped).
- Maintain correct tire pressure.
- Do not operate the vehicle in an extreme manner. For example, repeated or excessive opening and closing of the throttle, racing, burnouts, wheelies, etc.

EAU85161

ABS warning light "(ABS)"

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.

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.**

TIP

The ABS warning light may come on while revving the engine with the vehicle on its centerstand, but this does not indicate a malfunction.

EAU76382

Stop and Start System indicator light "Ⓐ"

This indicator light comes on when the Stop and Start System activates. The indicator light will flash when the engine is automatically stopped by the Stop and Start System.

TIP

Even if the Stop and Start Switch is set to "Ⓐ", this indicator light may not come on. (See page 4-1.)

EAUN2782

Incoming call indicator light "📞"

This indicator light flashes when there is an incoming call to the connected smartphone. If you do not answer the call, the indicator light stays on until you turn the vehicle off.

TIP

This function works only when the smartphone is connected to the vehicle.

EAUN2793

Incoming notification indicator light "💬"

This indicator light flashes for 10 seconds when the connected smartphone receives an SNS, E-mail or other notification. After that, the indicator light stays on until you turn the vehicle off.

TIP

- This function works only when the smartphone is connected to the vehicle.
- Notification setting is needed for each application at the connected smartphone in advance.

EAU77004

Traction control system indicator light "TCS"

This indicator light flashes when traction control has engaged. When the traction control system is turned off, the indicator light will come on.

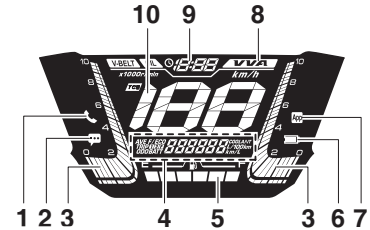
TIP

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 during the circuit check, or if the light remains on, Yamaha dealer check the vehicle.

6

Multi-function meter unit

EAUV0980



ZAUE5191

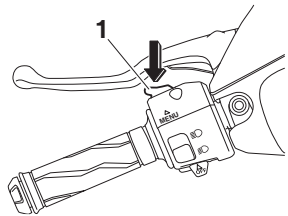
1. Incoming call indicator light “ ”
2. Notification indicator light “ ”
3. Tachometer
4. Multi-function display
5. Fuel meter
6. Smartphone battery level meter
7. Yamaha Motorcycle Connect icon
8. VVA (variable valve actuation) indicator
9. Clock
10. Speedometer

EWA12423

⚠ WARNING

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

The “MENU” switch is located on the left side of handlebar. This switch allows you to control or change the settings of multi-function meter unit.



ZAUE4579

1. “MENU” switch

TIP

Be sure to turn the main switch on before using the “MENU” switch.

EAUN2863

Yamaha Motorcycle Connect icon

This icon comes on when CCU and smartphone are connected via the Yamaha Motorcycle Connect app.

TIP

Even if the smartphone is not connected, when the vehicle is turned on, this icon should come on for a few seconds. Otherwise have a Yamaha dealer check the CCU and the electrical circuit.

EAUN2874

Smartphone battery level meter

This meter indicates the current battery level of the connected smartphone. The display segments of the meter disappear from full to blank as the battery level decreases. When approximately 10% or less of the battery remains, the last segment starts flashing.

TIP

Even if the smartphone is not connected, when the vehicle is turned on, this icon should come on for a few seconds. Otherwise have a Yamaha dealer check the CCU and the electrical circuit.

EAUN3000

Switching the display units

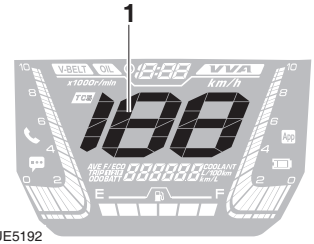
The display units can be switched between “km/L” and “L/100 km”.

To switch the display units

1. Turn the vehicle off.
2. While pushing the “MENU” switch, turn the vehicle on.
3. Continue to push the “MENU” switch until the display unit setting screen comes on (approximately 5 seconds).
4. Push the “MENU” switch once to switch the display units.
5. Push the “MENU” switch for 1 second to confirm the setting.

EAU86831

Speedometer



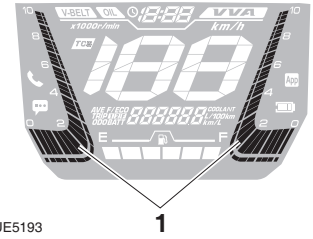
ZAUE5192

1. Speedometer

The speedometer shows the vehicle’s traveling speed.

EAU87190

Tachometer



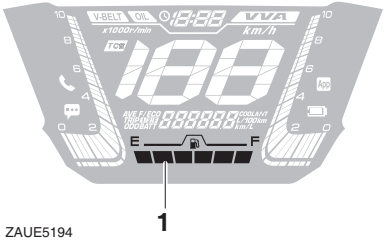
ZAUE5193

1. Tachometer

The tachometer allows the rider to monitor the engine speed and keep it within the ideal power range.

EAUE4831

Fuel meter



ZAUE5194

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 the last segment of the fuel meter “▬” starts flashing, refuel as soon as possible.

6

ECAE0130

NOTICE

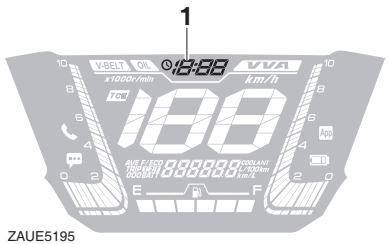
Do not drive the vehicle until it is completely out of fuel. This will cause damage to the catalytic converter.

TIP

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

EAU86851

Clock



ZAUE5195

1. Clock

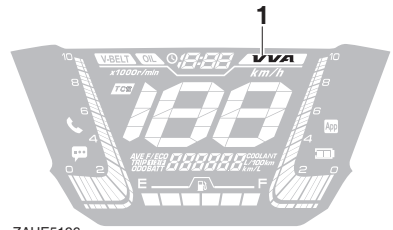
The clock uses a 12-hour time system.

To set the clock

1. Push the “MENU” switch until the hour digits start flashing.
2. Use the “MENU” switch to set the hours.
3. Push the “MENU” switch until the minute digits start flashing.
4. Use the “MENU” switch to set the minutes.
5. Push the “MENU” switch until the minute digits stop flashing. The setting is confirmed.

EAU86870

VVA indicator



ZAUE5196

1. VVA (variable valve actuation) indicator

This model is equipped with variable valve actuation (VVA) for good fuel economy and acceleration in both the low-speed and high-speed ranges. The VVA indicator comes on when the variable valve actuation system has switched to the high-speed range.

To turn the VVA indicator on or off

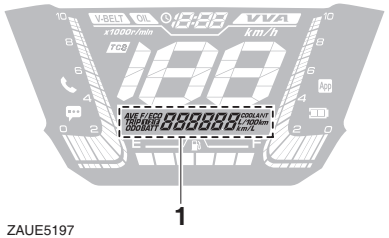
1. Turn the vehicle off.
2. While pushing the “MENU” switch, turn the vehicle on.
3. Continue pushing the “MENU” switch. The display unit setting screen will come on (after 5 seconds), and after that (an additional 10 seconds) all segments other than the VVA indicator will start flashing. Now release the “MENU” switch.
4. Push the “MENU” switch once to change the on or off setting.
5. Push the “MENU” switch for 1 second to confirm the setting.

TIP

Turning the VVA indicator off does not turn off the variable valve actuation system.

EAUE5471

Multi-function display



ZAUE5197
1. Multi-function display

The multi-function display is equipped with the following:

- odometer (ODO)
- two tripmeters (TRIP 1 and TRIP 2)
- fuel reserve tripmeter (TRIP F)
- instantaneous fuel consumption display (F/ECO)
- average fuel consumption display (AVE F/ECO)
- battery voltage display (BATT)
- oil change tripmeter (OIL TRIP)
- V-belt replacement tripmeter (V-BELT TRIP)
- backlight dimmer (bL_02)
- traction control system On/OFF (TCS)

Push the “MENU” switch to change the display in the following order:

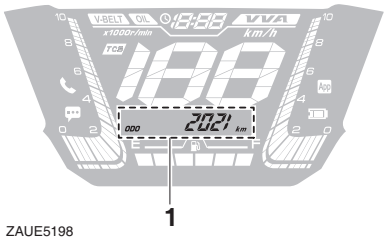
ODO → TRIP 1 → TRIP 2 → TRIP F → F/ECO → AVE F/ECO → BATT → OIL TRIP → V-BELT TRIP → bL_2 → On/OFF → ODO

TIP

- The fuel reserve tripmeter appears only when you are low on fuel.
- The oil change tripmeter, V-belt replacement tripmeter, backlight dimmer and traction control system display can not be displayed while the vehicle is moving.

EAU86891

Odometer



ZAUE5198
1. Odometer

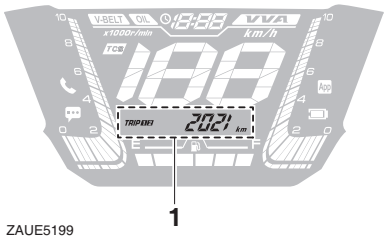
The odometer shows the total distance traveled by the vehicle.

TIP

The odometer will lock at “999999” and cannot be reset.

EAU86900

Tripmeters



ZAUE5199
1. Tripmeter

The tripmeters show the distance traveled since they were last reset.
To reset a tripmeter, set the display to the tripmeter you want to reset, and then push the “MENU” switch until it is reset.

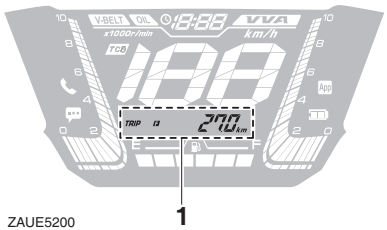
TIP

The tripmeters will reset and continue counting after 9999.9 is reached.

6

EAU86910

Fuel reserve tripmeter



ZAUE5200

1. Fuel reserve tripmeter

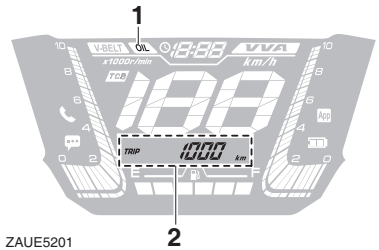
If the last segment of the fuel meter starts flashing, the display automatically changes to the fuel reserve tripmeter “TRIP F” and starts counting the distance traveled from that point.
To reset the fuel reserve tripmeter, push the “MENU” switch until it is reset.

TIP

If you do not reset the fuel reserve tripmeter manually, it will reset automatically and disappear from the display after refueling and traveling 5 km (3 mi).

EAUV1130

Oil change tripmeter



ZAUE5201

1. Oil change indicator “OIL”
2. Oil change tripmeter

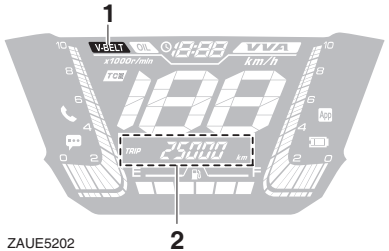
This tripmeter shows the distance traveled since the last engine oil change. The oil change indicator “OIL” will flash at the initial 1000 km (600 mi), the next 3000 km (1800 mi), and then every 3000 km (1800 mi) thereafter.
To reset the oil change tripmeter and oil change indicator, select the oil change tripmeter, and then push the “MENU” switch until “OIL” and the tripmeter start flashing. While “OIL” and the tripmeter are flashing, push the “MENU” switch until the tripmeter is reset.

TIP

When the engine oil has been changed, the oil change tripmeter and the oil change indicator must be reset. Otherwise, the oil change indicator will not come on at the correct time.

EAU86930

V-belt replacement tripmeter



ZAUE5202

1. V-belt replacement indicator “V-BELT”
2. V-belt replacement tripmeter

This tripmeter shows the distance traveled since the V-belt was last replaced. The V-belt replacement indicator “V-BELT” will flash every 25000 km (15500 mi) to indicate that the V-belt should be replaced.

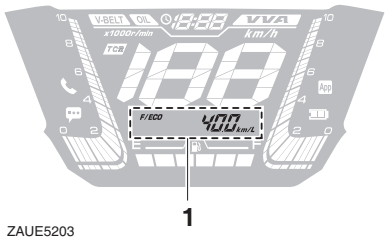
To reset both the tripmeter and the indicator, select the V-belt replacement tripmeter, and then push the “MENU” switch until “V-BELT” and the tripmeter start flashing. While “V-BELT” and the tripmeter are flashing, push the “MENU” switch until the tripmeter is reset.

TIP

When the V-belt is replaced, the tripmeter and indicator must be reset. Otherwise, the V-belt replacement indicator will not come on at the correct time.

EAUV1030

Instantaneous fuel consumption display



ZAUE5203

1. Instantaneous fuel consumption display

This display shows fuel consumption under current riding conditions. It can be set to either “km/L” or “L/100 km”.

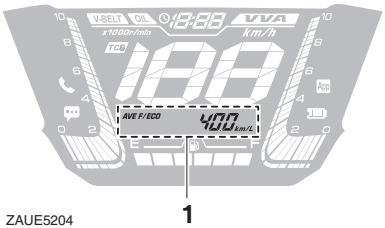
- “km/L”: the distance that can be traveled on 1.0 L of fuel.
- “L/100 km”: the amount of fuel necessary to travel 100 km.

TIP

When traveling under 10 km/h, “_ _._” is displayed.

EAUV1040

Average fuel consumption display



ZAUE5204

1. Average fuel consumption display

This display shows the average fuel consumption since it was last reset. The average fuel consumption display can be set to either “km/L” or “L/100 km”.

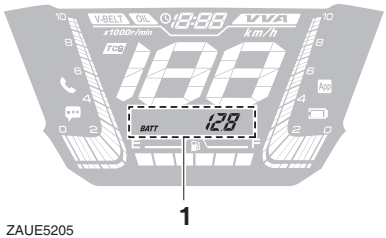
- “km/L”: the average distance that can be traveled on 1.0 L of fuel.
- “L/100 km”: the average amount of fuel necessary to travel 100 km.

TIP

- To reset the display, push the “MENU” switch until it resets.
- After resetting, “_ _._” is shown until the vehicle has traveled some distance.

EAU86960

Battery voltage display



ZAUE5205

1. Battery voltage meter

This display shows the current charge state of the battery.

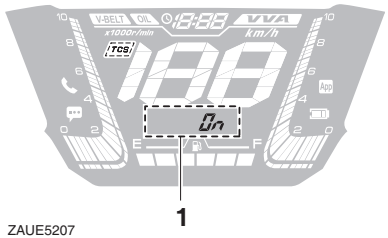
- Over 12.8 V = Full charge.
- Under 12.7 V = Charging is required.

TIP

If the battery voltage is less than 9.0 V, "_ _._" is displayed.

EAUE5461

Traction control system display



ZAUE5207

1. Traction control system display

This function allows the traction control system (TCS) to be turned "OFF"/"On".

To change the traction control system setting:

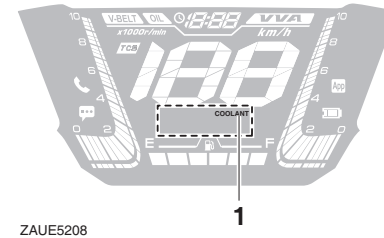
1. Use the "MENU" switch to cycle through the menu until either "On" or "OFF" is displayed.
2. Push and hold the "MENU" switch for 3 seconds and then release the switch. The traction control system setting can now be changed.
3. Press the "MENU" switch to cycle the setting "OFF"/"On".
4. Press and hold the "MENU" switch for 3 seconds and the setting will be confirmed and the "TCS" indicator light will come on to indicate the traction control system is off or go off to indicate the traction control system is on.

TIP

- The traction control system can only be turned "OFF" when the vehicle is stopped.
- The traction control system resets to "On" whenever the main switch is turned off/on.

EAUE5060

Coolant temperature warning



ZAUE5208

1. Coolant temperature warning indicator

This indicator will blink when the engine is overheating. If this occurs, stop the engine immediately and allow the engine to cool.
For vehicles with a radiator fan, the radiator fan(s) automatically switch on or off according to the coolant temperature.

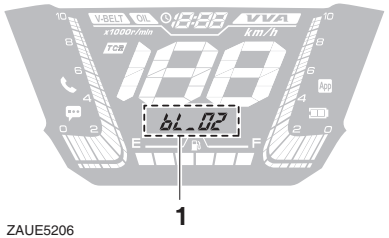
ECA10022

NOTICE

Do not continue to operate the engine if it is overheating.

EAUV1050

Backlight dimmer



ZAUE5206
1. Backlight dimmer

This function allows you to dim or brighten the display.

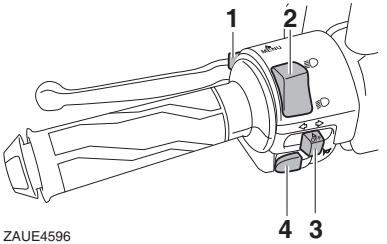
To access the backlight dimmer function

1. Make sure the vehicle is completely stopped.
2. Use the “MENU” switch to cycle through the menu until the current backlight level (bL_01, bL_02, or bL_03) is displayed.
3. Push the “MENU” switch until the figures (bL_01, bL_02, or bL_03) flash.
4. Use the “MENU” switch to select the desired backlight level.
5. Push the “MENU” switch to confirm the chosen backlight level and the figure stops flashing.

EAU1234T

Handlebar switches

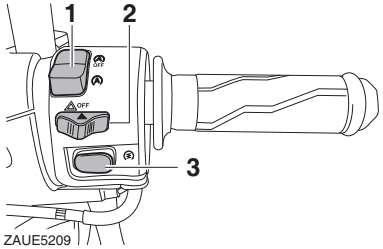
Left



ZAUE4596
1. “MENU” switch
2. Dimmer switch “≣○/≣○”
3. Turn signal switch “⇦/⇨”
4. Horn switch “ ”

6

Right



ZAUE5209

1. Stop and Start System switch "Ⓐ/Ⓐ OFF"
2. Hazard lights switch "⚠/**OFF**"
3. Start switch "Ⓢ"

EAU89570

Dimmer switch "≣D/≣D"

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

TIP

When the switch is set to low beam, both upper headlights come on.
When the switch is set to high beam, both lower headlights also come on.

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.

EAU12722

Start switch "Ⓢ"

With the sidestand up, push this switch while applying the front or rear brake to crank the engine with the starter. See page 8-2 for starting instructions prior to starting the engine.

EAUN2211

Hazard lights switch "⚠/OFF"

The hazard lights (simultaneous flashing of all turn signal lights) are used in case of an emergency, such as to warn other drivers when your vehicle is stopped where it might be a traffic hazard.
Set this switch to "⚠" to turn on the hazard lights. To turn off the hazard lights, set the switch to "OFF".

ECA10062

NOTICE

Do not use the hazard lights for an extended length of time with the engine not running, otherwise the battery may discharge.

EAU59011

Menu switch "MENU"

This switch is used to perform selections in the setting mode display of the multi-function meter unit.
See Multi-function meter unit on page 6-5 for detailed information.

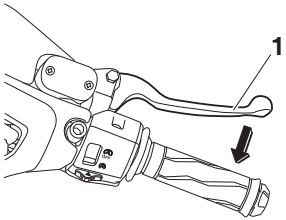
EAU76391

Stop and Start System switch "Ⓐ/Ⓐ OFF"

To turn on the Stop and Start System, set the switch to "Ⓐ". To turn off the Stop and Start System, set this switch to "Ⓐ OFF".

EAU12902

Front brake lever



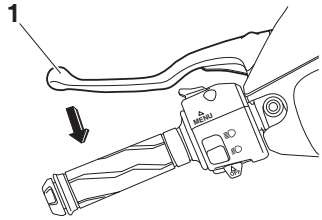
ZAUE5210

1. Front brake lever

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

EAU12952

Rear brake lever



ZAUE4598

1. Rear brake lever

The rear brake lever is located on the left side of the handlebar. To apply the rear brake, pull this lever toward the handlebar grip.

EAUE4930

ABS

This model's ABS (anti-lock brake system) acts on the front brake system.

Operate the brakes as you normally would with a conventional brake system. If the ABS is activated, a pulsating sensation may be felt at the front brake lever. In this situation, continue to apply the front brake and let the ABS work; do not release and re-apply the front brake (i.e., 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 the ECU, which will revert the system to conventional braking if a malfunction occurs.

6

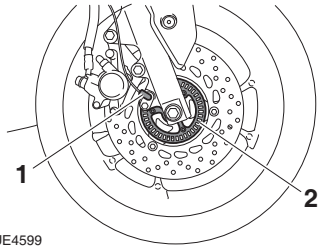
TIP

The ABS performs a self-diagnostic test each time the vehicle first starts off after the main switch is turned on and the vehicle has traveled at a speed of 10 km/h (6 mi/h) or higher. During this test, a clicking noise may be audible, and a vibration may be felt at the brake lever; however, these do not indicate a malfunction.

ECA20100

NOTICE

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

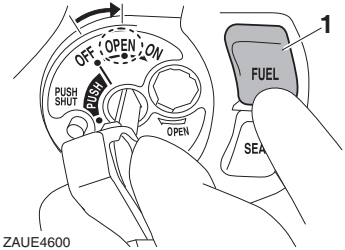


ZAUE4599
1. Front wheel sensor
2. Front wheel sensor rotor

EAUN2571

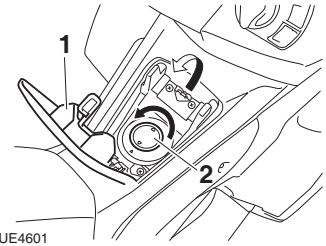
Fuel tank cap

To open the fuel tank cap lid, turn the main switch to “OPEN” position and push the “FUEL” button.



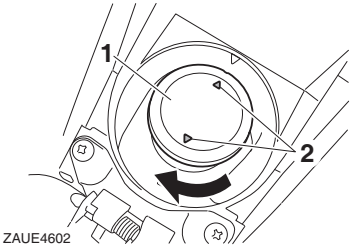
ZAUE4600
1. “FUEL” button

To open the the fuel tank cap, turn it counterclockwise and pull it off.



ZAUE4601
1. Fuel tank cap lid
2. Fuel tank cap

To install the fuel tank cap, turn it clockwise until the “△” mark is facing forward. Close the fuel tank cap lid.



ZAUE4602
1. Fuel tank cap
2. “△” mark

EWA10132

⚠ WARNING

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

EAU13213

Fuel

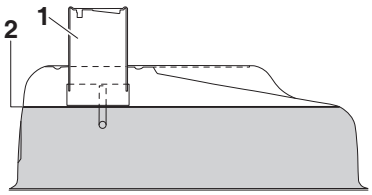
Make sure there is sufficient gasoline in the tank.

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.



ZAUE4603

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.

EAUE5311

Your Yamaha engine was designed to use unleaded gasoline with a research octane number of 90 or higher. If engine knocking or pinging occurs, use a gasoline of a different brand or higher octane rating.

Recommended fuel:
Unleaded gasoline (E20 acceptable)
Octane number (RON):
90
Fuel tank capacity:
5.5 L (1.5 US gal, 1.2 Imp.gal)
Fuel tank reserve:
1.1 L (0.29 US gal, 0.24 Imp.gal)



ZAUE5049

TIP

- This mark identifies the recommended fuel for this vehicle as specified by Indian regulation.
- Fill the higher EBMG (Ethanol Blended Motor Gasoline) fuel from retail outlets which display exactly similar sign boa rds.

Gasohol (Gasoline)

There are two types of gasohol: gasohol containing ethanol and that containing methanol. Gasohol containing ethanol can be used if the ethanol content does not exceed 20% (E20). Gasohol containing methanol is not recommended by Yamaha because it can cause damage to the fuel system or vehicle performance problems.

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:

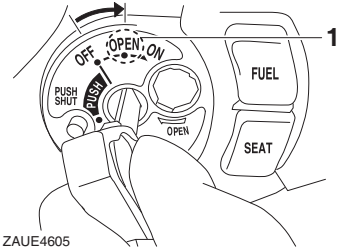
- **Do not park the vehicle near possible fire hazards such as grass or other materials that easily burn.**
- **Park the vehicle in a place where pedestrians or children are not likely to touch the hot exhaust system.**
- **Make sure that the exhaust system has cooled down before doing any maintenance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

EAU62381

Seat

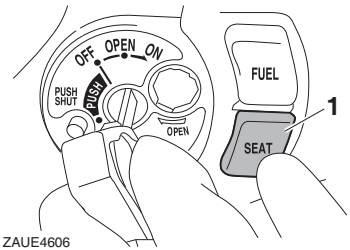
To open the seat

1. Insert the key into main switch and then turn it to “OPEN” position.



ZAUE4605
1. Open position

2. Push the “SEAT” button to open the seat.



ZAUE4606
1. “SEAT” button

To close the seat

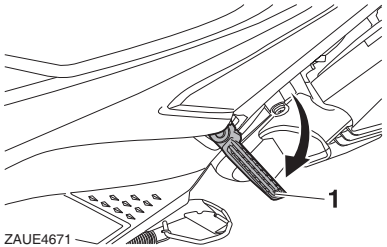
Push the rear of the seat down to lock it in place.

TIP

Make sure that the seat is properly secured before riding.

EAUE4840

Passenger footrest



ZAUE4671
1. Passenger footrest

To use the passenger footrest, pull it out as shown.
To retract the passenger footrest, push it back to original position.

EWAE0080

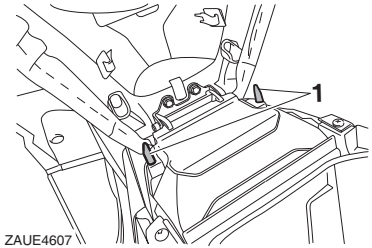
⚠ WARNING

Do not step on the air cleaner case. Otherwise the case may be broken and could cause injury.

6

Helmet holders

EAU37482



ZAUE4607

1. Helmet holder

The helmet holders are located under the seat.

To secure a helmet to a helmet holder

1. Open the seat. (See page 6-18.)
2. Attach a helmet to a helmet holder, and then securely close the 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]

To release a helmet from a helmet holder

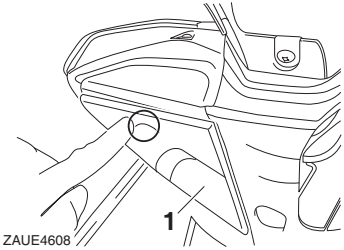
Open the seat, remove the helmet from the helmet holder, and then close the seat.

EAUN2980

Storage compartments

This model is equipped with 2 storage compartments. The front storage compartment and rear storage compartment are located as shown.

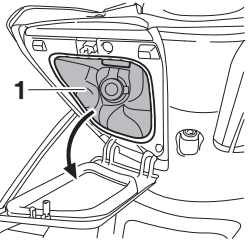
Front storage compartment



ZAUE4608

1. Front storage compartment lid

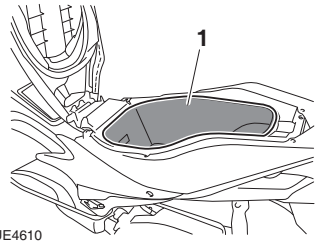
To open the storage compartment, push the front storage compartment lid as shown.



ZAUE4609

1. Front storage compartment

Rear storage compartment



ZAUE4610

1. Rear storage compartment

To open the rear storage compartment, turn the main switch to "OPEN", and then push the "SEAT" button.

TIP

- Do not leave your vehicle unattended with the seat open.
- Some helmets cannot be stored in the rear storage compartment because of their size or shape.

ECA21150

NOTICE

Keep the following points in mind when using the storage compartment.

- **Since the storage compartment accumulates heat when exposed to the sun and/or the engine heat, do not store anything susceptible to heat, consumables or flammable items inside it.**
- **To avoid humidity from spreading through the storage compartment, wrap wet articles in a plastic bag before storing them in the compartment.**
- **Since the storage compartment may get wet while the vehicle is being washed, wrap any articles stored in the compartment in a plastic bag.**
- **Do not keep anything valuable or breakable in the storage compartment.**

EWA15861

⚠ WARNING

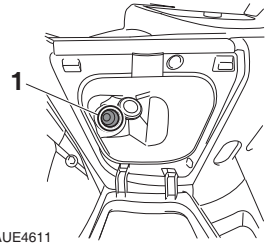
Do not exceed the following loading limits:

- **Front storage compartment: 0.2 kg (0 lb)**
- **Rear storage compartment: 3.0 kg (7 lb)**
- **Maximum load for the vehicle: 153 kg (337 lb)**

EAUN2990

Power outlet

This model is equipped with a 12V DC power outlet.



ZAUE4611

1. Power outlet

ECAN0140

NOTICE

Do not use the power outlet when the engine is off, and do not exceed the specified electrical load; otherwise the fuse may blow or the battery may discharge.
When washing the vehicle, do not direct high-pressure washers at the power outlet area.

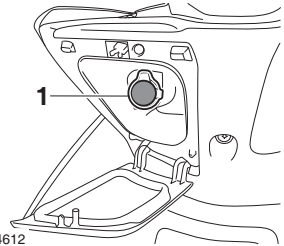
Maximum electrical load:
12 W (1A)

To use the power outlet

1. Turn the vehicle power off.
2. Open the front storage compartment lid. (See page 6-19.)
3. Remove the power outlet cap.
4. Turn the accessory off.
5. Insert the accessory plug into the power outlet.
6. Turn the vehicle power on and start the engine.
7. Turn the accessory on.

TIP

When finished riding, turn off the accessory and disconnect it from the power outlet, and then install the cap.



ZAUE4612

1. Power outlet cap

EWAN0050

⚠ WARNING

To prevent electrical shock or short-circuiting, install the cap when the power outlet is not in use.

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

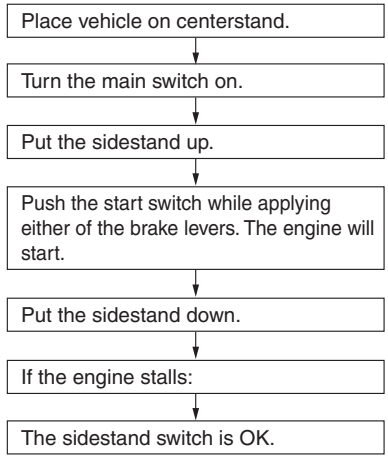
The vehicle must not be ridden with the sidestand down, or if the sidestand cannot be properly moved up (or does not stay up), otherwise the sidestand could contact the ground and distract the operator, resulting in a possible loss of control. Yamaha's ignition circuit cut-off system has been designed 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.

EAUT1098

Ignition circuit cut-off system

Check the operation of the sidestand switch according to the following procedure.

6



⚠ WARNING

- **The vehicle must be placed on the centerstand during this inspection.**
- **If a malfunction is found, have the vehicle inspected before riding.**

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. • Check fuel tank overflow hose for obstructions, cracks or damage, and check hose connection.	6-16
Engine oil	• Check oil level in engine. • If necessary, add recommended oil to specified level. • Check vehicle for oil leakage.	9-11
Final transmission oil	• Check vehicle for oil leakage.	9-13
Coolant	• Check coolant level in reservoir. • If necessary, add recommended coolant to specified level. • Check cooling system for leakage.	9-15
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.	9-23, 9-24

ITEM	CHECKS	PAGE
Rear brake	• Check operation. • Lubricate cable end if necessary. • Check lever free play. • Adjust if necessary. • Check brake shoe wear. • Replace if necessary.	9-22, 9-23
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 and grip housing.	9-19, 9-26
Control cables	• Make sure that operation is smooth. • Lubricate if necessary.	9-25
Wheels and tires	• Check for damage. • Check tire condition and tread depth. • Check air pressure. • Correct if necessary.	9-19, 9-21
Brake levers	• Make sure that operation is smooth. • Lubricate lever pivoting points if necessary.	9-26
Centerstand, sidestand	• Make sure that operation is smooth. • Lubricate pivots if necessary.	9-27
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.	6-22
Battery	• Check battery function. • If necessary, have a Yamaha dealer recharge the battery.	9-29

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.

EAUE4850

0–500 km (0–300 mi)

Avoid prolonged operation above 5000 r/min.

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 7500 r/min.

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, and the oil strainer cleaned.** [ECAE0080]

1000 km (600 mi) and beyond

The vehicle can now be operated normally.

ECAE0090

NOTICE

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

8

EAUE5480

Starting the engine

The ignition circuit cut-off system will enable starting only when the sidestand is 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 then go off. (See page 6-2.)

TIP

- Do not start the engine if the malfunction indicator light (MIL) 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. Release it when the engine starts.

TIP

- If the engine does not start, release the start switch after 5 seconds. Before pressing the start switch again, wait 10 seconds to allow battery voltage to restore.
- When the Stop and Start System is activated, turning the throttle grip will start the engine.

ECA11043

NOTICE

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

EAUN0073

ECAN0072

NOTICE

Do not ride through deep water, otherwise the engine may be damaged. Avoid puddles because they may be deeper than expected.

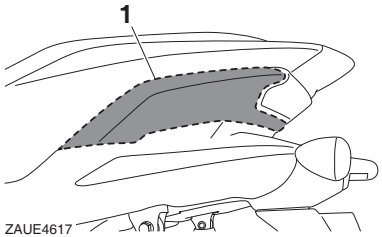
EAU16763

Starting off

TIP

Before starting off, allow the engine to warm up.

1. While pulling the brake lever with one hand and holding the grab bar with your other hand, push the vehicle off the centerstand.

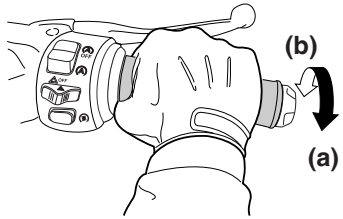


1. Grab bar

2. Sit astride the seat and adjust the rear view mirrors.
3. Switch the turn signals on and check for oncoming traffic.
4. When there is a sufficient gap in the flow of traffic, smoothly turn the throttle grip to accelerate and merge into traffic.
5. Switch the turn signals off.

EAU16782

Acceleration and deceleration



The speed can be adjusted by opening and closing the throttle. To increase the speed, turn the throttle grip in direction (a). To reduce the speed, turn the throttle grip in direction (b).

8

Braking

EAU60650

EWA17790

WARNING

- **Avoid braking hard or suddenly (especially when leaning over to one side), otherwise the vehicle may skid or overturn.**
- **Railroad crossings, streetcar rails, iron plates on road construction sites, and manhole covers become extremely slippery when wet. Therefore, slow down when approaching such areas and cross them with caution.**
- **Keep in mind that braking on a wet road is much more difficult.**
- **Ride slowly down a hill, as braking downhill can be very difficult.**

1. Close the throttle completely.
2. Apply both front and rear brakes simultaneously while gradually increasing the pressure.

Tips for reducing fuel consumption

EAU16821

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

- Avoid high engine speeds during acceleration.
- 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).

Parking

EAU76803

When parking, turn the vehicle power off. After turning off the main switch, be sure to remove the key and take it with you.

EWA18840

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.**
- **If the Stop and Start System is left turned on, the battery could become discharged and it may not be possible to restart the engine due to insufficient battery voltage.**

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.**

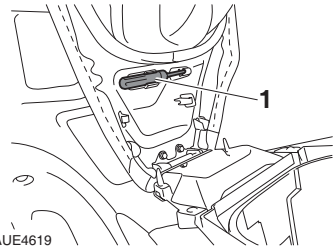
EWA15461

⚠ 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



ZAUE4619

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.

EAUE3700

TIP

- From 19000 km (11800 mi), repeat the maintenance intervals starting from 4000 km (2400 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.

EAUE4430

Periodic maintenance chart for the emission control system

NO.		ITEM	CHECK OR MAINTENANCE JOB	ODOMETER READING					
				1000 km (600 mi)	4000 km (2400 mi)	7000 km (4200 mi)	10000 km (6000 mi)	13000 km** (7800 mi)	16000 km** (9600 mi)
1	*	**Fuel line**	• Check fuel hoses for cracks or damage. • Replace if necessary.		√	√	√	√	√
2	*	**Fuel filter**	• Check condition. • Replace if necessary.	Every 13000 km (8000 mi)					
3		**Spark plug**	• Check condition. • Clean and regap.	√	√	√	√		√
			• Replace.					√	
4	*	**Valves**	• Check valve clearance. • Adjust if necessary.	√	Every 6000 km (3700 mi)				
5	*	**Fuel injection**	• Check engine idle speed.		√	√	√	√	√
6	*	**Exhaust system**	• Check for leakage. • Tighten if necessary. • Replace gasket(s) if necessary.		√	√	√	√	√

NO.		ITEM	CHECK OR MAINTENANCE JOB	ODOMETER READING					
				1000 km (600 mi)	4000 km (2400 mi)	7000 km (4200 mi)	10000 km (6000 mi)	13000 km** (7800 mi)	16000 km** (9600 mi)
7	*	**Evaporative emission control system**	• Check control system for damage. • Replace if necessary.				√		√

EAUE4440

General maintenance and lubrication chart

NO.		ITEM	CHECK OR MAINTENANCE JOB	ODOMETER READING					
				1000 km (600 mi)	4000 km (2400 mi)	7000 km (4200 mi)	10000 km (6000 mi)	13000 km** (7800 mi)	16000 km** (9600 mi)
1	*	**Diagnostic system check**	• Perform dynamic inspection using Yamaha diagnostic tool. • Check the error codes.	√	√	√	√	√	√
2		**Air filter element**	• Check.			√		√	
			• Replace.	Every 16000 km (9600 mi)					
3		**Air filter case check hose**	• Clean.	√	√	√	√	√	√
4	*	**Battery**	• Check voltage. • Charge if necessary.	√	√	√	√	√	√
5	*	**Cogged belt case air filter element**	• Clean. • Replace if necessary.		√	√	√	√	√
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 and adjust brake lever free play.	√	√	√	√	√	√
			• Replace brake shoes.	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)	4000 km (2400 mi)	7000 km (4200 mi)	10000 km (6000 mi)	13000 km** (7800 mi)	16000 km** (9600 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	*	**Steering bearings**	• Check bearing play and steering for roughness.	√	√	√	√	√	√
			• Lubricate with lithium-soap-based grease.	Every 13000 km (7800 mi)					
14	*	**Chassis fasteners**	• Make sure that all nuts, bolts and screws are properly tightened.		√	√	√	√	√
15		**Front brake lever pivot shaft**	• Lubricate with silicone grease.		√	√	√	√	√
16		**Rear brake lever pivot shaft**	• Lubricate with lithium-soap-based grease.		√	√	√	√	√
17		**Sidestand, center-stand**	• Check operation.	√	√	√	√	√	√
			• Lubricate with lithium-soap-based grease.		√	√	√	√	√
18	*	**Sidestand switch**	• Check operation and replace if necessary.	√	√	√	√	√	√
19	*	**Front fork**	• Check operation and for oil leakage. Repair if necessary.	√	√	√	√	√	√
			• Replace oil.	Every 10000 km (6000 mi)					

9

NO.		ITEM	CHECK OR MAINTENANCE JOB	ODOMETER READING					
				1000 km (600 mi)	4000 km (2400 mi)	7000 km (4200 mi)	10000 km (6000 mi)	13000 km** (7800 mi)	16000 km** (9600 mi)
20	*	**Shock absorber assembly**	• Check operation and shock absorber for oil leakage.		√	√	√	√	√
21		**Engine oil**	• Change. (See page 9-11.) • Check vehicle for oil leakage.	√	√	√	√	√	√
22		**Engine oil strainer**	• Clean.	√	Every 12000 km (7500 mi)				
23	*	**Cooling system**	• Check coolant level and vehicle for coolant leakage.	√	√	√	√	√	√
			• Change coolant.	Every 2 years					
24		**Final transmission oil**	• Check vehicle for oil leakage.	√	√	√	√	√	√
			• Change.	√	Every 12000 km (7500 mi)				
25	*	**V-belt**	• Check.			√		√	
			• Replace.	Every 25000 km (15500 mi)					
26	*	**Front and rear brake switches**	• Check operation.	√	√	√	√	√	√
27		**Moving parts and cable ends**	• Lubricate.	√	√	√	√	√	√
28	*	**Throttle grip**	• Check operation. • Check throttle grip free play, and adjust if necessary. • Lubricate cable end and grip housing.	√	√	√	√	√	√
29	*	**Lights, signals and switches**	• Check operation. • Adjust headlight beam.	√	√	√	√	√	√

EAU59350

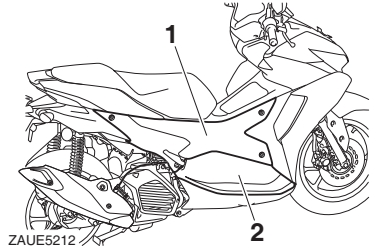
TIP

- 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.



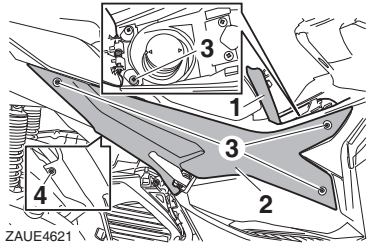
1. Panel A
2. Panel B

EAUE4880

Panel A

To remove the panel

1. Open the fuel tank cap lid.
2. Remove the screws and quick fastener.

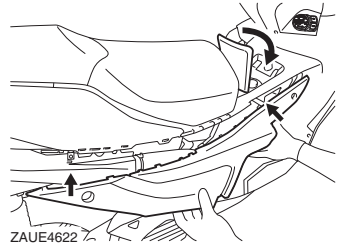


1. Fuel tank cap lid
2. Panel A
3. Screw
4. Quick fastener

3. Extend the right passenger footrest, and then pull the panel outward.

To install the panel

1. Place the panel in the original position, and then install the screws.

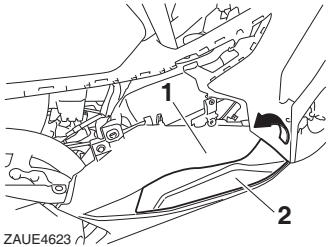


2. Retract the right passenger footrest to its original position.
3. Close the fuel tank cap lid.

Panel B

To remove the panel

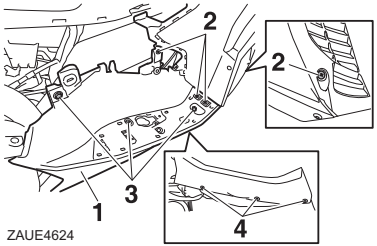
1. Remove panel A.
2. Remove the right floorboard mat by pulling it up.



ZAUE4623

1. Panel B
2. Footboard mat

3. Remove the screws, quick fastener and bolts, and then pull the panel outward.

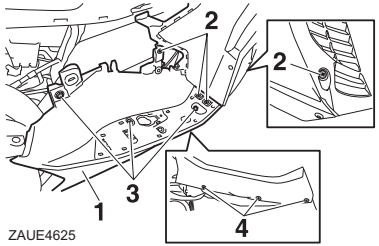


ZAUE4624

1. Panel B
2. Screw
3. Bolt
4. Quick fastener

To install the panel

1. Place the panel in the original position, and then install the screws, quick fastener and bolts.



ZAUE4625

1. Panel B
2. Screw
3. Bolt
4. Quick fastener screw

2. Place the right floorboard mat in the original position and push it downward to secure it.
3. Install panel A.

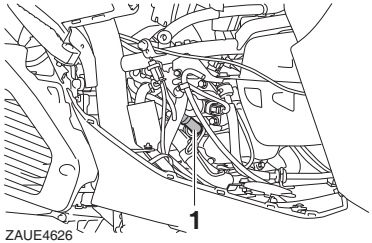
EAUE4890

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. Place the vehicle on the centerstand.
2. Remove panel A and panel B. (See page 9-8.)
3. Remove the spark plug cap.

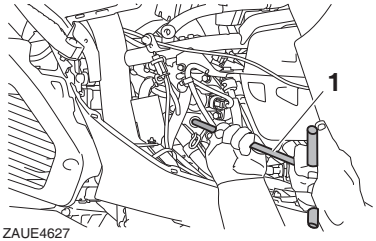


ZAUE4626

1. Spark plug cap

9

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



ZAUE4627
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

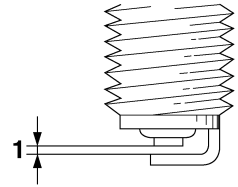
If the spark plug shows a distinctly different color, the engine could be operating improperly. Do not attempt to diagnose such problems yourself. Instead, have a Yamaha dealer check the vehicle.

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

Specified spark plug:
NGK/CPR8EA-9

To install the spark plug

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



1. Spark plug gap

Spark plug gap:
0.8–0.9 mm (0.031–0.035 in)

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

Tightening torque:
Spark plug:
13 N·m (1.3 kgf·m, 9.6 lb·ft)

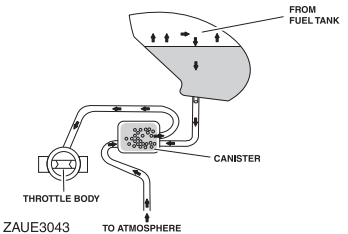
TIP

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.

4. Install the spark plug cap.
5. Install the panels.

EAU36113

Canister



ZAUE3043

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.

EAUE4263

Engine oil and oil strainer

The engine oil level should be checked before each ride. ***NOTICE:*** **Do not operate the vehicle until you know that the engine oil level is sufficient.**

[ECA10012]

In addition, the oil must be changed and the oil strainer cleaned at the intervals specified in the periodic maintenance and lubrication chart.

EWAU0031

⚠ WARNING

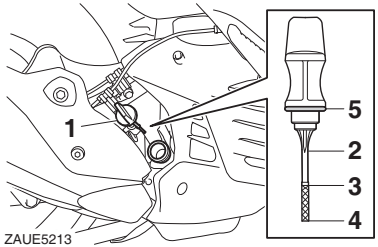
The muffler and muffler protector become very hot during use. To avoid possible burns, let the muffler and protector cool before removing the oil filler cap.

To check the engine oil level

1. Place the vehicle on the centerstand. 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 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.

TIP

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



ZAUE5213

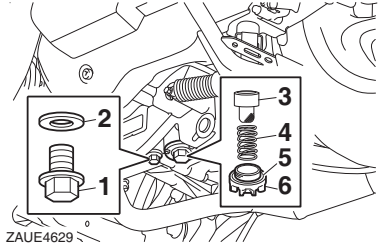
1. Engine oil filler cap
2. Engine oil dipstick
3. Maximum level mark
4. Minimum level mark
5. O-ring

4. If the engine oil is at or below the minimum level mark, add sufficient oil of the recommended type to raise it to the correct level.
5. Check the oil filler cap O-ring for damage. Replace if necessary.

6. Insert the dipstick into the oil filler hole, and then tighten the oil filler cap.

To change the engine oil and clean the oil strainer

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 and check the O-ring for damage. Replace if necessary.
4. Remove the engine oil drain bolt.



ZAUE4629

1. Engine oil drain bolt
2. Gasket
3. Oil strainer
4. Compression spring
5. O-ring
6. Engine oil strainer bolt

TIP

When changing the engine oil and cleaning the engine oil strainer, also remove the engine oil strainer bolt. ***NOTICE:*** **When removing the engine oil strainer bolt; the O-ring, compression spring, and oil strainer will fall out. Take care not to lose these parts.** [ECAE0070]

5. Clean the engine oil strainer with solvent. Check all parts for damage and replace if necessary.
6. Install the engine oil strainer, compression spring, engine oil strainer bolt with new O-ring, and then tighten the drain bolt with new gasket to the specified torque.

TIP

Make sure that the O-ring is properly seated.

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

7. Refill with the specified amount of the recommended engine oil, and then install and tighten the oil filler cap.

Recommended engine oil:
See page 11-1.
Oil quantity:
0.90 L (0.95 US qt, 0.79 Imp.qt)

TIP

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

ECA11671

NOTICE

- **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.**
- **Be sure no foreign material enters the crankcase.**

8. Start the engine and let it idle for several minutes while checking for oil leakage. If oil is leaking, immediately turn the engine off and check for the cause.
9. Turn the engine off, and then check the oil level again. Correct 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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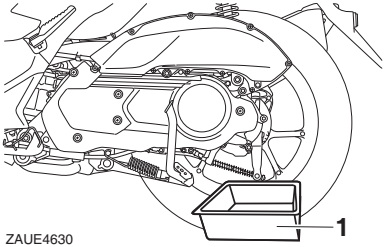
EAUE1876

Final transmission oil

The final transmission case must be checked for oil leakage before each ride. If any leakage is found, have a Yamaha dealer check and repair the scooter. In addition, the final transmission oil must be changed as intervals specified in the periodic maintenance and lubrication chart.

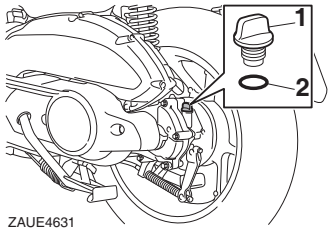
1. Start the engine, warm up the final transmission oil by riding the scooter for several minutes, and then stop the engine.
2. Place the scooter on the centerstand.
3. Place an oil pan under the final transmission case to collect the used oil.



ZAUE4630

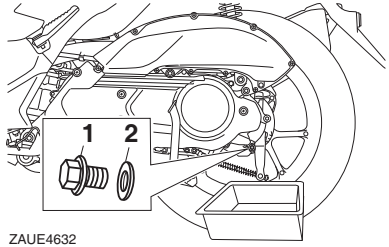
1. Oil pan

4. Remove the final transmission oil filler cap and its O-ring plus the final transmission drain bolt and its gasket to drain the oil from the final transmission case.



ZAUE4631

1. Final transmission oil filler cap
2. O-ring



ZAUE4632

1. Final transmission oil drain bolt
2. Gasket

5. Install the final transmission oil drain bolt and its gasket, and then tighten it to the specified torque.

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

6. Refill with the specified amount of the recommended final transmission oil, and then install and tighten the oil filler cap and its O-ring. **WARNING! Make sure that no foreign material enters the final transmission case. Make sure that no oil gets on the tire or wheel.** [EWA11312]

Recommended final transmission oil:
See page 11-1.
Oil quantity:
0.10 L (0.11 US qt, 0.09 Imp.qt)

7. Check the final transmission case for oil leakage. If oil is leaking, check for the cause.

EAU20071

Coolant

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

EAUN2930

To check the coolant level

1. Place the vehicle on the centerstand.

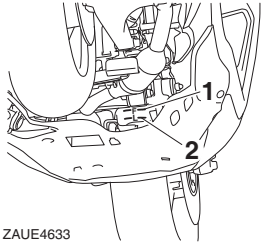
TIP

- The coolant level must be checked on a cold engine since the level varies with engine temperature.
- Make sure that the vehicle is positioned straight up when checking the coolant level. A slight tilt to the side can result in a false reading.

2. Check the coolant level in the coolant reservoir.

TIP

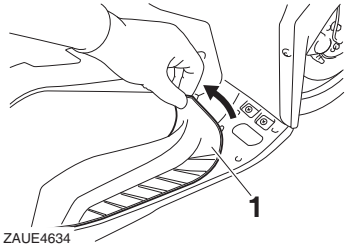
The coolant should be between the minimum and maximum level marks.



ZAUE4633

1. Maximum level mark
2. Minimum level mark

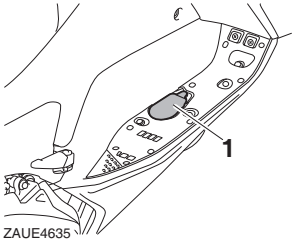
3. If the coolant is at or below the minimum level mark, remove the right floorboard mat by pulling it up.



ZAUE4634

1. Floorboard mat

4. Remove the coolant reservoir cover.



ZAUE4635

1. Coolant reservoir cover

5. Remove the coolant reservoir cap, add coolant to the maximum level mark, and then install the reservoir cap. **WARNING! Remove only the coolant reservoir cap. Never attempt to remove the radiator cap when the engine is hot.** [EWA15162] ***NOTICE:*** **If coolant is not available, use distilled water or soft tap water instead. Do not use hard water or salt water since it is harmful to the engine. If water has been used instead of coolant, replace it with coolant as soon as possible, otherwise the cooling system will not be protected against frost and corrosion. If water has been**

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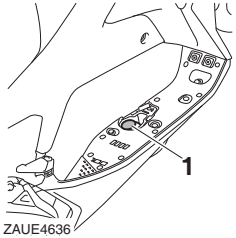
added to the coolant, have a Yamaha dealer check the anti-freeze content of the coolant as soon as possible, otherwise the effectiveness of the coolant will be reduced. [ECA10473]



ZAUE4636

1. Coolant reservoir cap

9

Coolant reservoir capacity (up to the maximum level mark):
0.13 L (0.14 US qt, 0.11 Imp.qt)

6. Install the coolant reservoir cover.
7. Place the right floorboard mat in the original position and push it downward to secure it.

EAU33032

Changing the coolant

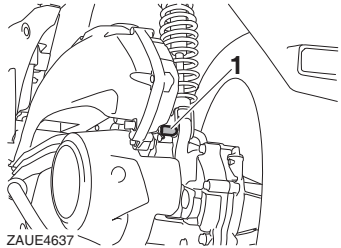
The coolant must be changed at the intervals specified in the periodic maintenance and lubrication chart. Have a Yamaha dealer change the coolant. **WARNING! Never attempt to remove the radiator cap when the engine is hot.** [EWA10382]

EAUE4900

Air filter and V-belt case air filter elements

The air filter element should be replaced and the V-belt case air filter element should be cleaned at the intervals specified in the periodic maintenance and lubrication chart. Service the air filter elements more frequently if you are riding in unusually wet or dusty areas. The air filter check hose and V-belt case air filter check hose must be frequently checked and cleaned if necessary.

Cleaning the air filter check hose



ZAUE4637

1. Air filter check hose

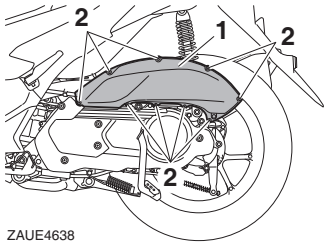
1. Check the hose on the rear side of the air filter case for accumulated dirt or water.
2. If dirt or water is visible, remove the hose from the clamp, clean it, and then install it.

TIP

If dirt or water was found in the check hose, be sure to check the air filter element for excessive dirt or damage and replace it if necessary.

Replacing the air filter element

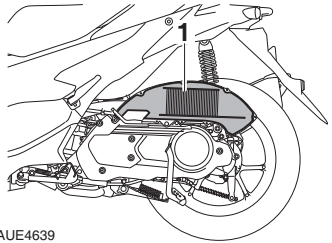
1. Place the vehicle on the centerstand.
2. Remove the air filter case cover by removing the screws.



ZAUE4638

1. Air filter case cover
2. Screw

3. Pull the air filter element out.



ZAUE4639

1. Air filter element

4. Insert a new 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]

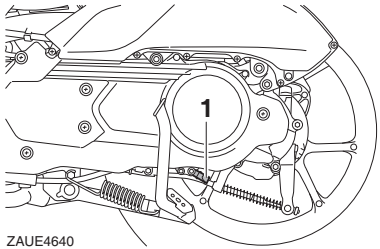
ECA21220

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.**

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

Cleaning the V-belt case check hose



ZAUE4640

1. V-belt case check hose

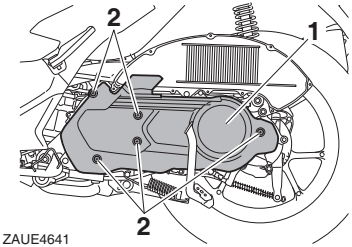
1. Check the hose on the rear side of the V-belt case for accumulated dirt or water.
2. If dirt or water is visible, remove the hose from the clamp, clean it, and then install it.

TIP

If dirt or water was found in the check hose, be sure to check the V-belt case air filter element for excessive dirt or damage and clean or replace it if necessary.

Cleaning the V-belt case air filter element

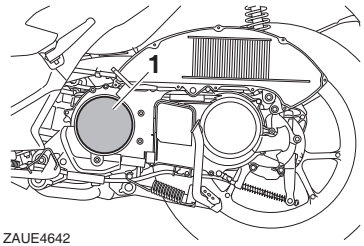
1. Place the vehicle on the centerstand.
2. Remove the screws, and then pull the V-belt case air filter element cover outward and away from the V-belt case.



ZAUE4641

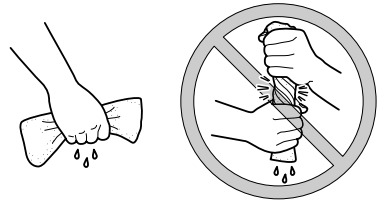
1. V-belt case air filter element cover
2. Screw

3. Pull the V-belt case air filter element out, and then clean it with solvent. After cleaning, remove the remaining solvent by squeezing the element. **WARNING! Use only a dedicated parts cleaning solvent. To avoid the risk of fire or explosion, do not use gasoline or solvents with a low flash point.** [EWA10432] ***NOTICE:*** **To avoid damaging the air filter element, handle it gently and carefully, and do not twist it.** [ECA10522]



ZAUE4642

1. V-belt case air filter element



4. Apply foam air filter oil or fresh engine oil to the entire surface of the sponge material, and then squeeze the excess oil out.

TIP

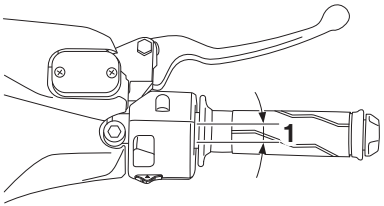
- The air filter element should be wet but not dripping.
- Check the air filter element for excessive dirt or damage and replace it if necessary.

5. Insert the element into the V-belt case.
6. Install the air filter element cover by installing the screws.

EAU21386

Checking the throttle grip free play

Measure the throttle grip free play as shown.



ZAUE5214

1. Throttle grip free play

Throttle grip free play:
3.0–5.0 mm (0.12–0.20 in)

Periodically check the throttle grip free play and, if necessary, have a Yamaha dealer adjust it.

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.

EAUE4910

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**

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weight of rider, passenger, cargo, and accessories approved for this model.

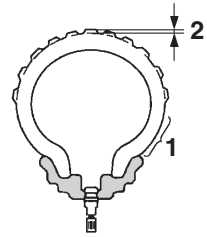
Cold tire air pressure:
1 person:
Front:
200 kPa (2.00 kgf/cm², 29 psi)
Rear:
225 kPa (2.25 kgf/cm², 33 psi)
2 persons:
Front:
200 kPa (2.00 kgf/cm², 29 psi)
Rear:
225 kPa (2.25 kgf/cm², 33 psi)
Maximum load:
Vehicle:
153 kg (337 lb)
The vehicle's maximum load is the combined weight of the rider, passenger, 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:
110/80-14M/C 53P
Manufacturer/model:
CEAT/ZOOM PLUS Y
Rear tire:
Size:
140/70-14M/C 62P
Manufacturer/model:
CEAT/ZOOM PLUS Y

ECAE0100

NOTICE

Tires fitted in the vehicles meet the requirement of BIS and they comply with the requirements under the Central Motor Vehicle Rules (CMVR), 1989.

EAU21963

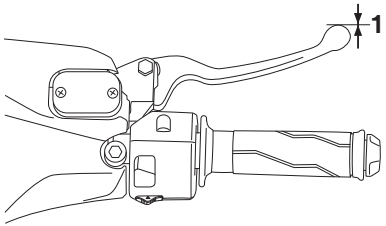
Cast wheels

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.

EAU49351

Checking the front brake lever free play



ZAUE5215

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

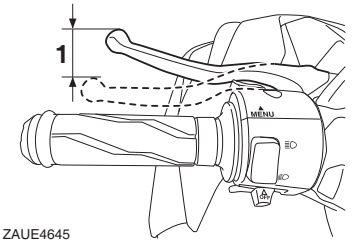
⚠ WARNING

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.

EAU22172

Adjusting the rear brake lever free play

Measure the rear brake lever free play as shown.



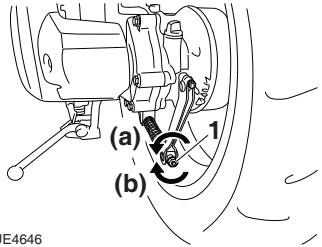
ZAUE4645

1. Rear brake lever free play

Rear brake lever free play:
10.0–20.0 mm (0.39–0.79 in)

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

To increase the brake lever free play, turn the adjusting nut at the brake shoe plate in direction (a). To decrease the brake lever free play, turn the adjusting nut in direction (b).



ZAUE4646

1. Rear brake lever free play adjusting nut

EWA10651

⚠ WARNING

If proper adjustment cannot be obtained as described, have a Yamaha dealer make this adjustment.

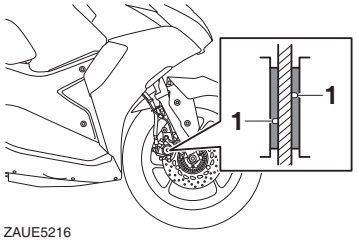
EAU22382

Checking the front brake pads and rear brake shoes

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

EAU22434

Front brake pads



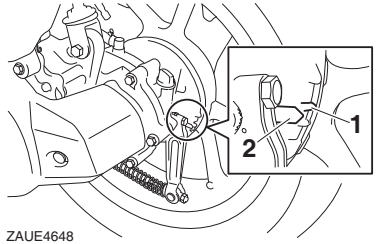
ZAUE5216

1. Brake pad wear indicator groove

Each front 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.

EAU22541

Rear brake shoes



ZAUE4648

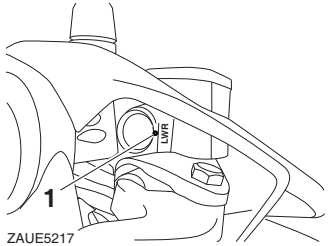
1. Brake shoe wear indicator
2. Brake shoe wear limit line

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

EAU32346

Checking the brake fluid level

Before riding, check that the brake fluid is above the minimum level mark. Check the brake fluid level with the top of the reservoir level. Replenish the brake fluid if necessary.



ZAUE5217

1. Minimum level mark

Specified brake fluid:
DOT 4

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.**

ECA17641

NOTICE

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

As the brake pads wear, it is normal for the brake fluid level to gradually go down. A low brake fluid level may indicate worn brake pads and/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.

EAU22734

Changing the brake fluid

Have a Yamaha dealer change the brake fluid every 2 years. In addition, have the seals of the master cylinders and brake calipers, as well as the brake hoses replaced at the intervals listed below or sooner if they are damaged or leaking.

- Brake seals: every 2 years
- Brake hoses: every 4 years

EAUU0311

Checking the V-belt

The V-belt must be checked and replaced by a Yamaha dealer at the intervals specified in the periodic maintenance and lubrication chart.

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.

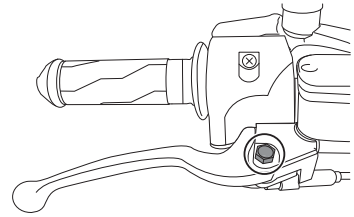
The throttle cable is equipped with a rubber cover. Make sure that the cover is securely installed. Even though the cover is installed correctly, it does not completely protect the cable from water entry. Therefore, use care not to pour water directly onto the cover or cable when washing the vehicle.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

EAU43643

Lubricating the front and rear brake levers

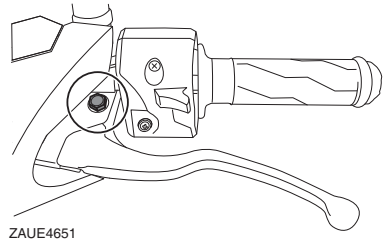
The pivoting points of the front and rear brake levers must be lubricated at the intervals specified in the periodic maintenance and lubrication chart.

Front brake lever



ZAUE4650

Rear brake lever

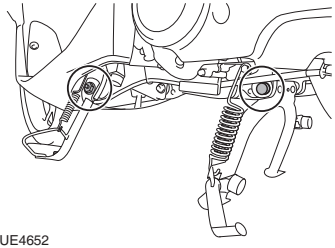


ZAUE4651

Recommended lubricants:
Front brake lever:
Silicone grease
Rear brake lever:
Lithium-soap-based grease

EAU23215

Checking and lubricating the centerstand and sidestand



ZAUE4652

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

EWA10742

⚠ WARNING

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

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.

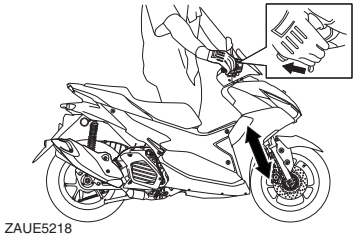
To check the condition

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.

9


ZAUE5218

ECA10591

NOTICE

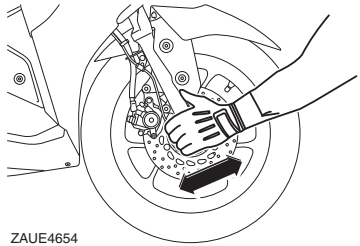
If any damage is found or the front fork does not operate smoothly, have a Yamaha dealer check or repair it.

EAU45512

Checking the steering

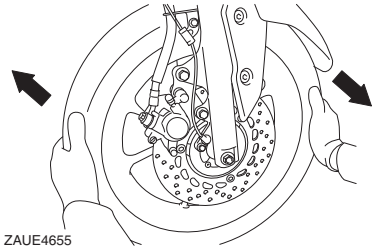
Worn or loose steering bearings may cause danger. Therefore, the operation of the steering must be checked as follows at the intervals specified in the periodic maintenance and lubrication chart.

1. Place the vehicle on the centerstand. **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.


ZAUE4654

EAU23292

Checking the wheel bearings


ZAUE4655

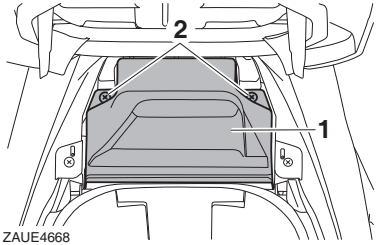
The front and rear wheel bearings must be checked at the intervals specified in the periodic maintenance and lubrication chart. If there is play in the wheel hub or if the wheel does not turn smoothly, have a Yamaha dealer check the wheel bearings.

EAUM1391

Removing the battery cover

To remove the battery cover

1. Open the seat. (See page 6-18.)
2. Remove the screws, and then take the cover off.



ZAUE4668

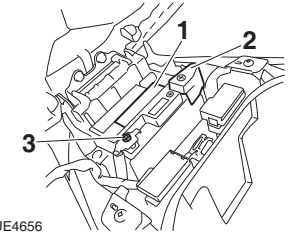
1. Battery cover
2. Screw

To install the cover

1. Place the cover in the original position, and then install the screws.
2. Close the seat.

EAU50292

Battery



ZAUE4656

1. Battery
2. Positive battery lead (red)
3. Negative battery lead (black)

The battery is located under the seat. (See page 6-18.)
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.**

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

9

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

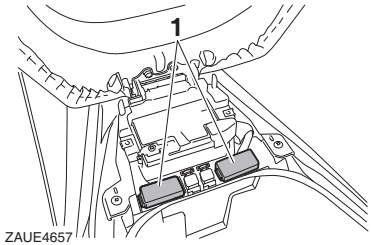
NOTICE

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

EAU66799

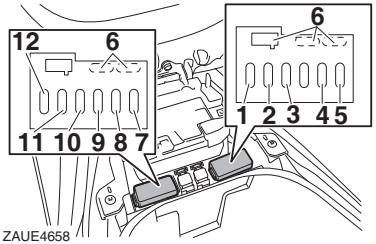
Replacing the fuses

The fuse boxes, which contain the fuses for the individual circuits, are located under the seat. (See page 6-18.)



ZAUE4657

1. Fuse box

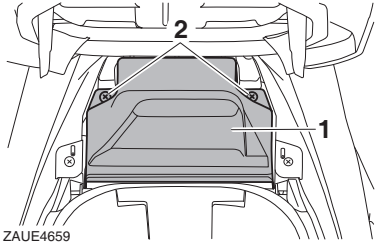


ZAUE4658

1. Signaling system fuse
2. Terminal fuse 1
3. Sub fuse
4. ABS motor fuse
5. ABS solenoid fuse
6. Spare fuse
7. Fuel injection system fuse
8. Backup fuse
9. Main fuse
10. Ignition fuse
11. Headlight fuse
12. ABS control unit fuse

If a fuse is blown, replace it as follows.

1. Turn off the electrical circuit in question, and then turn off the main switch.
2. Open the seat. (See page 6-18.)
3. Remove the battery cover by removing the screws.



ZAUE4659

1. Battery cover
2. Screw

4. 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: 30.0 A
- Sub fuse: 5.0 A
- Terminal fuse 1: 2.0 A
- Headlight fuse: 7.5 A
- Signaling system fuse: 7.5 A
- Ignition fuse: 7.5 A
- ABS motor fuse: 10.0 A
- Fuel injection system fuse: 7.5 A
- ABS solenoid fuse: 7.5 A
- ABS control unit fuse: 5.0 A
- Backup fuse: 7.5 A

5. Turn the main switch on, and then turn on the electrical circuit in question to check if the device operates.

TIP

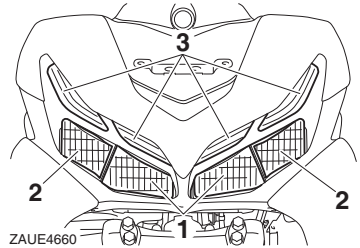
If the fuse immediately blows again, have a Yamaha dealer check the electrical system.

6. Install the battery cover by installing the screws.
7. Close the seat.

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.



ZAUE4660

1. Headlight (high beam)
2. Headlight (low beam)
3. Auxiliary light

ECA16581

NOTICE

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

EAU43054

Replacing a front turn signal light bulb

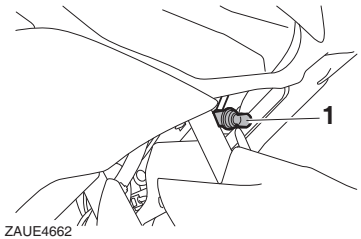
1. Place the vehicle on the centerstand.
2. Remove the turn signal light bulb socket (together with the bulb) by turning it counterclockwise.



ZAUE4661

1. Turn signal light bulb socket

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

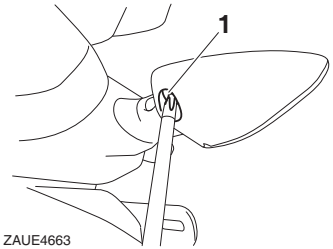


ZAUE4662
1. Turn signal light bulb

4. Insert a new bulb into the socket.
5. Install the socket (together with the bulb) by turning it clockwise.

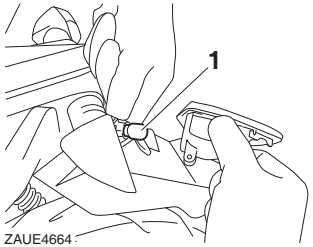
EAUU1121
Replacing a rear turn signal light bulb

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



ZAUE4663
1. Screw

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



ZAUE4664
1. Turn signal light bulb

3. Insert a new bulb into the socket by pushing it in.

ECAU0081

NOTICE

If a turn signal light bulb of different wattage than recommended is used, the turn signal light flashing may be affected.

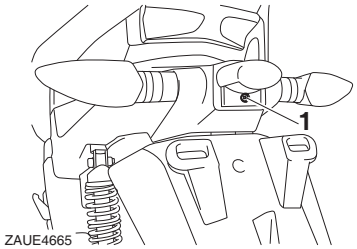
4. Install the lens by installing the screw.***NOTICE:*** **Do not overtighten the screw, otherwise the lens may break.** [ECA11192]

9

EAUM3511

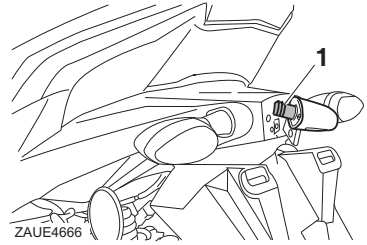
Replacing the license plate light bulb

1. Remove the license plate light unit by removing the screw.



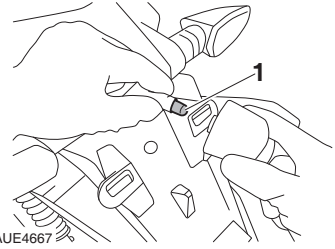
1. Screw

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



1. Socket

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



1. License plate light bulb

4. Insert a new bulb into the socket.
5. Install the socket (together with the bulb) by pushing it in.
6. Install the license plate light unit by installing the screw.

EAU60701

Troubleshooting

Although Yamaha vehicles 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 charts represent quick and easy procedures for checking these vital systems yourself. However, should your vehicle require any repair, take it to a Yamaha dealer, whose skilled technicians have the necessary tools, experience, and know-how to service the vehicle 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.

EAU76843

Stop and Start System troubleshooting

If a problem occurs, check the following before taking the vehicle to a Yamaha dealer.

The Stop and Start System indicator light does not come on.

1. Is the main switch turned on?
2. Is the Stop and Start System switch set to "Ⓐ"?
3. Was the engine warmed up sufficiently after starting?
4. After the engine was warmed up, was the engine left idling for a certain period of time?
5. Did the vehicle travel at a speed of 10 km/h or higher?

Even if the preceding conditions are met, the Stop and Start System may not activate in order to preserve battery power. In this case, continue to drive the vehicle.

In addition, the Stop and Start System indicator light does not come on if the engine trouble warning light is on.

If the Stop and Start System indicator light still does not come on after you checked the preceding conditions, have a Yamaha dealer check the vehicle as soon as possible.

The Stop and Start System indicator light comes on, but the engine does not stop automatically.

1. Was the vehicle stopped completely?
   The engine may not stop automatically until the vehicle is stopped for a certain period of time. Try bringing the vehicle to a complete stop.
2. Is the throttle grip turned?
   The engine does not stop automatically if the throttle grip is not in the fully closed position.
   Turn the throttle grip to the fully closed position.

If the engine still does not stop automatically after you checked the preceding conditions, have a Yamaha dealer check the vehicle as soon as possible.

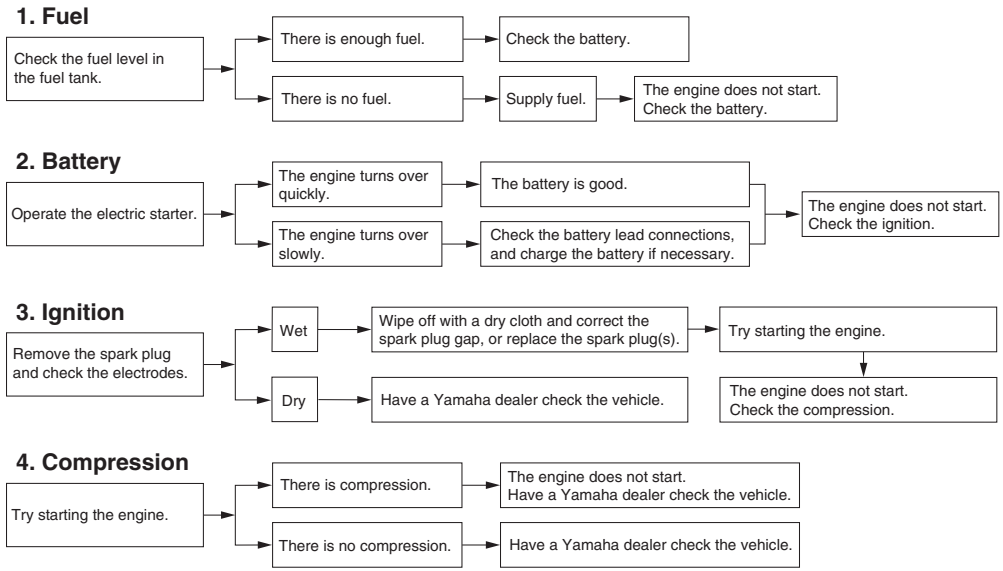
After the engine was stopped by the Stop and Start System, the engine does not restart even if the throttle grip is turned.

1. Is the Stop and Start System switch set to "Ⓐ"?
   If the Stop and Start System switch is set to "Ⓐ" while the Stop and Start System is activated, the Stop and Start System will be turned off.
2. Was the sidestand operated?
   When the sidestand is lowered, the Stop and Start System is deactivated.
3. Was the engine left stopped by the Stop and Start System for a long period of time?
   If the engine is left stopped by the Stop and Start System for a long period of time, the battery could become discharged.

If the engine still does not restart after you checked the preceding conditions, have a Yamaha dealer check the vehicle as soon as possible.

EAU86350

Troubleshooting chart



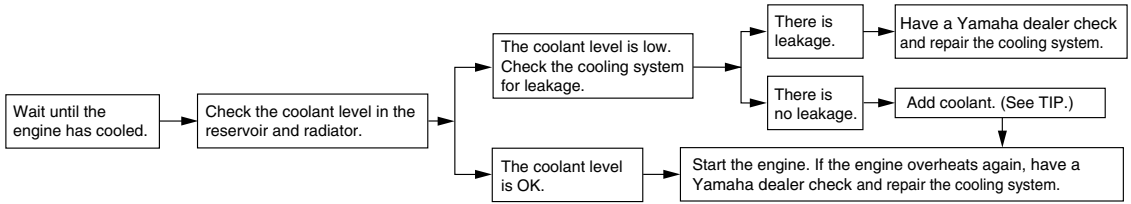
EAU86420

Engine overheating

EWAT1041

⚠ WARNING

- **Do not remove the radiator cap when the engine and radiator are hot. Scalding hot fluid and steam may be blown out under pressure, which could cause serious injury. Be sure to wait until the engine has cooled.**
- **Place a thick rag, like a towel, over the radiator cap, and then slowly rotate the cap counterclockwise to the detent to allow any residual pressure to escape. When the hissing sound has stopped, press down on the cap while turning it counterclockwise, and then remove the cap.**



TIP

If coolant is not available, tap water can be temporarily used instead, provided that it is changed to the recommended coolant as soon as possible.

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.

EAU84992

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.

Special care in winter

ECA28181

NOTICE

In cold weather, when roads may be salted as a de-icing method, it's important to clean the vehicle thoroughly to remove road salt and avoid corrosion. Wheel spokes, bolts/nuts and other unpainted metal parts can be especially vulnerable to corrosion from road salt. Apply an anti-corrosion product to any vulnerable parts after washing and drying the vehicle.

TIP

- The roads of heavy snowfall areas may be sprayed with salt as a de-icing method. This salt can stay on the roads well into spring, so be sure to wash the underside and chassis parts after riding in such areas.
- 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.** [EWA20651]
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 9-29 for more information on charging and storing the battery.

Specifications

Dimensions:
Overall length:
1980 mm (78.0 in)
Overall width:
700 mm (27.6 in)
Overall height:
1150 mm (45.3 in)
Seat height:
790 mm (31.1 in)
Wheelbase:
1350 mm (53.1 in)
Ground clearance:
145 mm (5.71 in)
Minimum turning radius:
2.0 m (6.56 ft)

Weight:
Curb weight:
126 kg (278 lb)

Engine:
Combustion cycle:
4-stroke
Cooling system:
Liquid cooled
Valve train:
SOHC
Number of cylinders:
Single cylinder
Displacement:
155 cm^3
Bore × stroke:
58.0 × 58.7 mm (2.28 × 2.31 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 MB
Engine oil quantity:
Oil change:
0.90 L (0.95 US qt, 0.79 Imp.qt)

Final transmission oil:
Recommended brand:
YAMALUBE
Type:
Scooter gear oil
Quantity:
0.10 L (0.11 US qt, 0.09 Imp.qt)

Coolant quantity:
Coolant reservoir (up to the maximum level mark):
0.13 L (0.14 US qt, 0.11 Imp.qt)
Radiator (including all routes):
0.46 L (0.49 US qt, 0.40 Imp.qt)

Fuel:
Recommended fuel:
Unleaded gasoline (E20 acceptable)
Octane number (RON):
90
Fuel tank capacity:
5.5 L (1.5 US gal, 1.2 Imp.gal)
Fuel reserve amount:
1.1 L (0.29 US gal, 0.24 Imp.gal)

Fuel injection:
Throttle body:
ID mark:
B2T1

Front tire:
Type:
Tubeless
Size:
110/80-14M/C 53P
Manufacturer/model:
CEAT/ZOOM PLUS Y

Rear tire:
Type:
Tubeless
Size:
140/70-14M/C 62P
Manufacturer/model:
CEAT/ZOOM PLUS Y

Loading:
Maximum load:
153 kg (337 lb)
(Total weight of rider, passenger, cargo and accessories)

Front brake:
Type:
Hydraulic single disc brake

Rear brake:
Type:
Mechanical leading trailing drum brake

Front suspension:
Type:
Telescopic fork

Rear suspension:
Type:
Unit swing
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

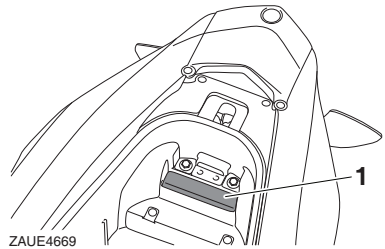
Record the vehicle identification number and the engine serial number in the spaces provided below for assistance when ordering spare parts from a Yamaha dealer or for reference in case the vehicle is stolen.

VEHICLE IDENTIFICATION NUMBER:

ENGINE SERIAL NUMBER:

EAU61310

Vehicle identification number



1. Vehicle identification number

The vehicle identification number is stamped into the frame.

TIP

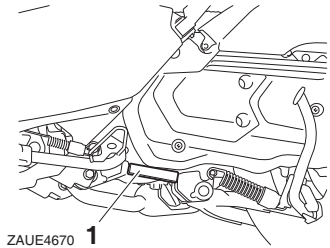
The vehicle identification number is used to identify your scooter and may be used to register your scooter with the licensing authority in your area.

To check the vehicle identification number

Open the seat. (See page 6-18.)

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 and 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 authorised dealer who will be only too pleased to assist wherever possible.

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YAMAHA CUSTOMER CARE

Validity of warranty

This warranty coverage on the Scooter shall be valid only if the customer avails all Free and Paid from Authorized YAMAHA dealer as per Recommended Service Schedule and only genuine Spare parts are used. The customer shall ensure that each service is availed within 120 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 Scooter. In the unlikely event of your YAMAHA Scooter requiring warranty service. 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 repair or replace through its Authorized Dealership free of charge, those parts which may be found on examination to have manufacturing defect, within two (2) years from the date of sale of Scooter or 24,000 kilometers of its operation, whichever occurs first. YAMAHA warrants the products to be free from manufacturing defects for a period of two years from the date of sale of the Scooter or first 24,000 kilometres of its operation, whichever occurs first. If during this period of warranty any part proves to be defective due to material or workmanship, YAMAHA through its Authorized Dealers will repair the Scooter without charging the labour or parts value subject to 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/she approach the nearest YAMAHA Authorized Dealer with the affected Scooter. The expenses if any, to bring the Scooter 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 Scooter 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 tampered.

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 directly by the customer as per their warranty terms their respective manufacturers. YAMAHA and its Authorized Dealers will give all assistance in taking up such claims with the manufacturer of said item.

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 Shoes, 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, Sprocket, clutch shoe , Race Bearing & Element Air Cleaner and wheel rim misalignment or bend.
3. Part(s) of the Scooter 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 and such usage which prematurely affects the performance and reliability of the Scooter.

FREE SERVICE & WARRANTY

4. Use of non-genuine parts, non-genuine oil and lubricants.
5. Parts of the Scooter getting rusty or their plating, paint coming off due to atmospheric effects / Industrial Pollution/or extraneous factors.
6. Parts of Scooter that have been altered and modified or replaced in unauthorized manner and which in the sole judgement of YAMAHA affects the performance of the Scooter and its reliability.
7. Scooter that has not been serviced by YAMAHA'S Authorized Dealers as per the service schedule described in this hand book which contains 4 Free Services, 4 Paid Service Coupons or which has not been operated or maintained in accordance with the instructions mentioned in this Manual (especially during Break-in Period that is, first 1000 Kms).
8. Scooter 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 Scooters 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 Scooter.
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. For any damages due to modification or fitting of accessories(Mechanical or electrical) 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 damage caused due to usage of improper oil/grease, non genuine parts.
17 . Change in parts colour due to usage of soap/detergent and /or hard water.
18 . Change in colour (Whitening) of parts made of PP Material.
19. Parts damaged due to spill over of battery electrolyte.
20 YAMAHA takes no liability in the matter of consequential loss or damage caused due to the failure of parts. Delay if any, for carrying out the repairs due to non availability of parts at YAMAHA dealer. Neither this shall be a ground for extending the warranty period, nor shall it give any right to customer for claiming any compensation for damages.
21. This warranty does not cover the risks like accidents, lightening, flood, fire and other acts of God, improper handling or any external cause beyond the control of YAMAHA.
22. 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 Scooter and no other person, including the Authorized Dealer or his agent or employee is authorized to extend or enlarge terms of this Warranty.

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

EIGHTH PAID SERVICE COUPON

VALIDITY : 22000 KMS OR 870 DAYS FROM THE DATE OF PURCHASE OF SCOOTER 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.***

8

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. Check the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Replace Air Filter Element as recommended.
6. Check operation of Front, Rear brakes & Level of brake fluid in reservoir.
7. Check for Wheel Runout, repair if necessary.
8. Check Wheel Bearings (Front & Rear) for looseness, damage.
9. Check for Steering looseness / tightness, adjust if required.
10. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
11. Check all Bulb/LED and electrical operations.
12. Check and correct air pressure in Front and Rear Tires.
13. Check exhaust emission for 'CO' level at idling, correct if required.
14. Check and lubricate all the Pivot points / Sidestand / Centerstand.
15. Check Front and Rear Brake Switch.
16. Check and lubricate the Throttle Cable end.
17. Check sidestand switch operation.
18. Check coolant level and vehicle for coolant leakage and change as recommended.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE 10W-40,
API service SL type,
JASO standard MB



IMPORTANT:

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

SEVENTH PAID SERVICE COUPON

VALIDITY : 19000 KMS OR 750 DAYS FROM THE DATE OF PURCHASE OF SCOOTER 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. Check the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Replace Air Filter Element as recommended.
6. Check operation of Front, Rear brakes & Level of brake fluid in reservoir.
7. Check for Wheel Runout, repair if necessary.
8. Check Wheel Bearings (Front & Rear) for looseness, damage.
9. Check for Steering looseness / tightness, adjust if required.
10. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
11. Check all Bulb/LED and electrical operations.
12. Check and correct air pressure in Front and Rear Tires.
13. Check exhaust emission for 'CO' level at idling, correct if required.
14. Check and lubricate all the Pivot points / Sidestand / Centerstand.
15. Check Front and Rear Brake Switch.
16. Check and lubricate the Throttle Cable end.
17. Check sidestand switch operation.
18. Check coolant level and vehicle for coolant leakage and change as recommended.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE 10W-40,
API service SL type,
JASO standard MB



IMPORTANT:

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

SIXTH PAID SERVICE COUPON

VALIDITY : 16000 KMS OR 630 DAYS FROM THE DATE OF PURCHASE OF SCOOTER 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.***

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. Check the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Replace Air Filter Element as recommended.
6. Check operation of Front, Rear brakes & Level of brake fluid in reservoir.
7. Check for Wheel Runout, repair if necessary.
8. Check Wheel Bearings (Front & Rear) for looseness, damage.
9. Check for Steering looseness / tightness, adjust if required.
10. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
11. Check all Bulb/LED and electrical operations.
12. Check and correct air pressure in Front and Rear Tires.
13. Check exhaust emission for 'CO' level at idling, correct if required.
14. Check and lubricate all the Pivot points / Sidestand / Centerstand.
15. Check Front and Rear Brake Switch.
16. Check and lubricate the Throttle Cable end.
17. Check sidestand switch operation.
18. Check coolant level and vehicle for coolant leakage and change as recommended.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE 10W-40,
API service SL type,
JASO standard MB



IMPORTANT:

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

FIFTH PAID SERVICE COUPON

VALIDITY : 13000 KMS OR 510 DAYS FROM THE DATE OF PURCHASE OF SCOOTER 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.***

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. Check the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Replace Air Filter Element as recommended.
6. Check operation of Front, Rear brakes & Level of brake fluid in reservoir.
7. Check for Wheel Runout, repair if necessary.
8. Check Wheel Bearings (Front & Rear) for looseness, damage.
9. Check for Steering looseness / tightness, adjust if required.
10. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
11. Check all Bulb/LED and electrical operations.
12. Check and correct air pressure in Front and Rear Tires.
13. Check exhaust emission for 'CO' level at idling, correct if required.
14. Check and lubricate all the Pivot points / Sidestand / Centerstand.
15. Check Front and Rear Brake Switch.
16. Check and lubricate the Throttle Cable end.
17. Check sidestand switch operation.
18. Check coolant level and vehicle for coolant leakage and change as recommended.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE 10W-40,
API service SL type,
JASO standard MB



IMPORTANT:

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

FOURTH FREE SERVICE COUPON

VALIDITY : 10000 KMS OR 390 DAYS FROM THE DATE OF PURCHASE OF SCOOTER 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.***

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

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. Check the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Replace Air Filter Element as recommended.
6. Check operation of Front, Rear brakes & Level of brake fluid in reservoir.
7. Check for Wheel Runout, repair if necessary.
8. Check Wheel Bearings (Front & Rear) for looseness, damage.
9. Check for Steering looseness / tightness, adjust if required.
10. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
11. Check all Bulb/LED and electrical operations.
12. Check and correct air pressure in Front and Rear Tires.
13. Check exhaust emission for 'CO' level at idling, correct if required.
14. Check and lubricate all the Pivot points / Sidestand / Centerstand.
15. Check Front and Rear Brake Switch.
16. Check and lubricate the Throttle Cable end.
17. Check sidestand switch operation.
18. Check coolant level and vehicle for coolant leakage and change as recommended.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE 10W-40,
API service SL type,
JASO standard MB



IMPORTANT:

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

THIRD FREE SERVICE COUPON

VALIDITY : 7000 KMS OR 270 DAYS FROM THE DATE OF PURCHASE OF SCOOTER 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.***

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. Check the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Replace Air Filter Element as recommended.
6. Check operation of Front, Rear brakes & Level of brake fluid in reservoir.
7. Check for Wheel Runout, repair if necessary.
8. Check Wheel Bearings (Front & Rear) for looseness, damage.
9. Check for Steering looseness / tightness, adjust if required.
10. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
11. Check all Bulb/LED and electrical operations.
12. Check and correct air pressure in Front and Rear Tires.
13. Check exhaust emission for 'CO' level at idling, correct if required.
14. Check and lubricate all the Pivot points / Sidestand / Centerstand.
15. Check Front and Rear Brake Switch.
16. Check and lubricate the Throttle Cable end.
17. Check sidestand switch operation.
18. Check coolant level and vehicle for coolant leakage and change as recommended.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE 10W-40,
API service SL type,
JASO standard MB



IMPORTANT:

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

SECOND FREE SERVICE COUPON

VALIDITY : 4000 KMS OR 150 DAYS FROM THE DATE OF PURCHASE OF SCOOTER 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. Check the idle RPM, as recommended.
4. Check for any cracks or damage on Fuel Hose.
5. Replace Air Filter Element as recommended.
6. Check operation of Front, Rear brakes & Level of brake fluid in reservoir.
7. Check for Wheel Runout, repair if necessary.
8. Check Wheel Bearings (Front & Rear) for looseness, damage.
9. Check for Steering looseness / tightness, adjust if required.
10. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
11. Check all Bulb/LED and electrical operations.
12. Check and correct air pressure in Front and Rear Tires.
13. Check exhaust emission for 'CO' level at idling, correct if required.
14. Check and lubricate all the Pivot points / Sidestand / Centerstand.
15. Check Front and Rear Brake Switch.
16. Check and lubricate the Throttle Cable end.
17. Check sidestand switch operation.
18. Check coolant level and vehicle for coolant leakage and change as recommended.

PARTS/OIL TO BE REPLACE:

PART NAME :

Engine Oil :
YAMALUBE SAE 10W-40,
API service SL type,
JASO standard MB



IMPORTANT:

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

FIRST FREE SERVICE COUPON

VALIDITY : 1000 KMS OR 30 DAYS FROM THE DATE OF PURCHASE OF SCOOTER 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 :**
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8. Check Wheel Bearings (Front & Rear) for looseness, damage.
9. Check for Steering looseness / tightness, adjust if required.
10. Check Front Fork and Rear Shock Absorber operation / oil leakages, repair if required.
11. Check all Bulb/LED and electrical operations.
12. Check and correct air pressure in Front and Rear Tires.
13. Check exhaust emission for 'CO' level at idling, correct if required.
14. Check and lubricate all the Pivot points / Sidestand / Centerstand.
15. Check Front and Rear Brake Switch.
16. Check and lubricate the Throttle Cable end.
17. Check sidestand switch operation.
18. Check coolant level and vehicle for coolant leakage and change as recommended.

PARTS/OIL TO BE REPLACE:

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Engine Oil :
YAMALUBE SAE 10W-40,
API service SL type,
JASO standard MB



IMPORTANT:

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

PRE-DELIVERY INSPECTION REPORT

(To be filled in by the Dealer on receipt of the Scooter from Yamaha and after completing the Pre-delivery inspection (PDI)}

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 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, coolant and transmission oil for leakage ☐
c. Check coolant, engine and transmission oil level and correct (if necessary) ☐
d. Wash the Scooter and dry. (use Yamalube shampoo only) ☐
e. Check brake fluid level and correct (if necessary) ☐

2. Check for looseness and movement of

a. Saddle lock ☐
b. Cowling, panels, tail and side overs ☐
c. Rear wheel nut ☐
d. Front wheel axle nut ☐
e. Steering movement ☐
f. Check for front fork movement ☐
g. Rear shock absorber ☐

PRE-DELIVERY INSPECTION REPORT

3. Free play and adjustment

a. Rear brake lever free play (10-20 mm) ☐

b. Throttle free play (3-5mm) ☐

4. Lock Operation

a. Ignition ☐

b. Steering ☐

c. Saddle/ Fuel tank cover ☐

5. Wheel & Tire

Tire Pressure :

Front	200 kPa (200 kgf/cm^2, 29 psi)	☐
Rear	225 kPa (225 kgf/cm^2, 33 psi)	☐

Radial wheel runout limite - 1.0 mm ☐

Lateral wheel runout limit - 1.0 mm ☐

6. Engine

Check engine idling speed 1400-1800 r/min ☐

7. Electrical

a. Ignition switch operation ☐

b. Brake switch operation ☐

c. Sidestand switch operation ☐

d. Left hand switch operation

Dimmer switch ☐

Turn signal switch ☐

Horn switch ☐

Menu switch ☐

e. Right hand switch operation
- Stop and start system switch ☐
- Hazard lights switch ☐
- Start switch ☐

f. All bulbs functioning ☐

g. Meter panel function, lights / LEDs ☐

h. Battery
- Voltage ☐
- Fuse ☐

8. Road Test

a. Starting ☐

b. Application of brakes (front and rear) ☐

c. Speedometer / Odometer operation ☐

d. Fuel meter / Trip meter operation ☐

e. Check VVA function ☐

f. Check ABS and TCS function ☐

g. Engine abnormal noise/vibration ☐

h. Check no Malfunction indicator light (MIL) glow/flashes in meter ☐

9. Polish the vehicle

(Use only Yamalube polish)

Do not apply polish directly on painted surface. ☐

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

CUSTOMER'S SIGN.

To be explained to the customer on delivery of the Scooter by the Dealer's Representative

1. Operation of all the locks (Ignition, steering & saddle).
2. Fuel meter operation in all the condition.
3. Operation of throttle.
4. Operation of handle bar switches, and their functions.
5. Operation of start switch & its functioning.
6. Tire air pressure : **Front** - 200 kPa (29 psi) **Rear** - 225 kPa (33 psi)
7. Never give sudden acceleration, always accelerate gradually.
8. Never ride with your finger on front and rear brake lever.
9. Checking of brake fluid at regular intervals.
10. Sidestand switch operation.
11. Use of helmet holder.
12. Function of all the display on meter panel.
13. Never keep the ignition switch on when vehicle is not in use.
14. Operation of stop & start system.
15. Never keep any inflammable/important items in the storage compartment.

16. Check the operation of odometer and fuel meter.
17. Location of storage for tool kit and first aid kit in compartments and their use.
18. Procedure of removal and installation of panel & cowling.
19. Correct type of spark plug and spark plug gap.
20. Engine oil and transmission oil level checking and explaining the importance of **replacing the oil in recommended service. Always use recommended engine oil YAMALUBE SAE 10W-40, API service SL type, JASO standard MB.**
21. Break-In Period/ Preventive maintenance schedule instructions.
22. Information of emission and safety norms.
23. Importance of first service at 1000 kms and schedule of free services.
24. Warranty terms and conditions.
25. Use of Power outlet.
26. Function of Yamaha motorcycle connect app.

IMPORTANT

EXPLAINED TO CUSTOMER 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: _____

SCOOTER IDENTIFICATION

FRAME NO. :

ENGINE NO. :

DATE OF SALE :

SELLING DLR'S
STAMP, SIGN & CODE

SERVICE RECORD

Service (Warranty Period)

	S. No.	VALIDITY*		SERVICED AT	JOB DETAILS/ CARD NO.	SERVICING DEALER'S NAME & ADDRESS
		KMS OR DAY	DATE	KMS / ON DATE		
FREE SERVICE RECORD	1	1000 OR 30				
	2	4000 OR 150				
	3	7000 OR 270				
	4	10000 OR 390				
PAID SERVICE RECORD	5	13000 OR 510				
	6	16000 OR 630				
	7	19000 OR 750				
	8	22000 OR 870				

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

Important

(I) Cost of engine oil/ coolant/ transmission 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 after each service.

(iii) For the validity of “Warranty”, it is mandatory that all services (Free & Paid) 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

SCOOTER & 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 Scooter is fully equipped with Scooter & Owner care kit.

SCOOTER & 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 Scooter.

----------	----------	----------
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 Central Motor Vehicle Rule (CMVR) states that for **Scooters, Carbon Monoxide Emission, during idling shall always be less than 1.0% (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 Scooters 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 must not be tampered with 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 scooters.

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

3.2 Please ensure that the "CO" is within specified limits of 1.0% (by volume). If it is not so, it should be 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 Scooter 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. Clean engine oil strainer periodically and replace it when required.
2. Replace air filter as per recommendations.
3. Clean, inspect and adjust spark plug gap periodically.
4. Use only recommended spark plug. Replace it as per recommendations.
5. Use only recommended grade (SL Type) of genuine engine oil of superior quality.
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. Hook for helmet lock
7. Turn signal 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 SCOOTER

DO'S (✓)

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

✓ 2 Always use only genuine oils

- YAMALUBE SAE 10W-40, API service SL type, JASO standard MB

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

✓ 4
- ALWAYS GET YOUR SCOOTER 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)	Piston / Rings / Cylinder	:	Check / Clean / Replace if necessary.
c)	Exhaust system	:	Check / Replace if necessary.
d)	Valve timing	:	Check / Adjust according to maintenance schedule.
e)	Compression pressure	:	Check / Diagnose / Correct.

- ✓ 6 If misfiring, get your Scooter diagnosed & attended immediately without running even for a KM.
- ✓ 7 Get Scooter maintained regularly as per details and schedule given in Service & warranty hand book.
- ✓ 8 Get emission of your Scooter inspected at least once every 3 months.
- ✓ 9 Please follow good driving habits in varying traffic conditions.
- ✓ 10 Switch "OFF" the engine if waiting at traffic signal is more than 60 seconds.

DON'TS (×)

- × 1. Don't overload / overspeed your scooter.
- × 2. Don't alter or modify your scooter.
- × 3. Never drive with Ignition "OFF" while coming down a slope.
- × 4. Don't idle the engine for a prolonged period.
- × 5. Don't use Non-genuine parts.
- × 6. 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 Check the idle speed of the engine in warmed up condition of scooter as specified.

IDLE RPM: 1400 - 1800 RPM

4.4 Insert the sampling probe of the exhaust gas analyser inside the exhaust muffler of the scooter.

4.5 • If the reading is within specified limits then it is acceptable.

• If the reading exceeds the norm of 1.0% (by volume) have it adjusted by **YAMAHA** Authorised dealer.

4.6 **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. Ignition coil, SGCU, SMG

l. Spark plug

m. Exhaust system

n. Canister

LOG SHEET (To be Filled in by Servicing Dealer)

Customer Name :

Address :

Selling Dealer :

Date of Purchase :

Vehicle Reg. No. :

S. No.	Date	KM Reading	Job card no.	Service (Free/Paid)	Parts Replaced	Oil Fill Qty. Engine & Transmission	CO Level (Date/Value)	Serv. Dealer

YAMAHA CUSTOMER CARE

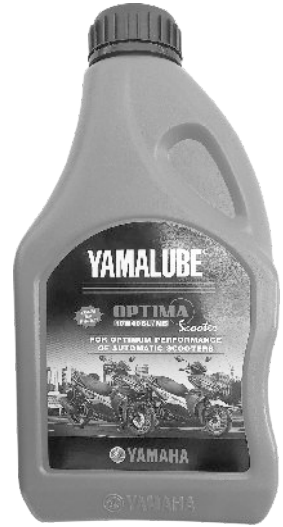
We promise to give hassle free service all the time. Please give us your valuable feedback, suggestion or complaint on :
Contact no. : 1800-420-1600 (Toll free 8 am to 5 pm) e-mail us : yes@yamaha-motor-india.com. Enjoy the ride with YAMAHA !

ALWAYS USE
YAMAHA GENUINE SPARE PARTS

YAMAHA

GENUINE

Parts & Accessories



For your Safety, Always Use Yamaha Genuine Helmet*



YR8 HELMET



YR7 HELMET

Always use Best Quality Yamaha Genuine Accessories for long life*



KNUCKLE GUARD



SCREEN



LED FLASHER



WINGS

*Products performance are subject to its own warranty conditions.

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