YAMAHA

OWNER'S MANUAL

⚠ Read this manual carefully before operating this vehicle.

TMAX

MOTORCYCLE

XP560 (TMAX)
XP560D (TMAX TECH MAX)

BSV-2U199-E1

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

เครื่องโทรคมนาคมและอุปกรณ์นี้ มีความสอดคล้องตาม
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Introduction

EAU10114

Welcome to the Yamaha world of motorcycling!
As the owner of the XP560 / XP560D, 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 XP560 / XP560D. 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.

EWA12412

⚠ WARNING

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

EAU10134

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

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

*Product and specifications are subject to change without notice.

Important manual information

EAU10202

XP560 / XP560D
OWNER'S MANUAL

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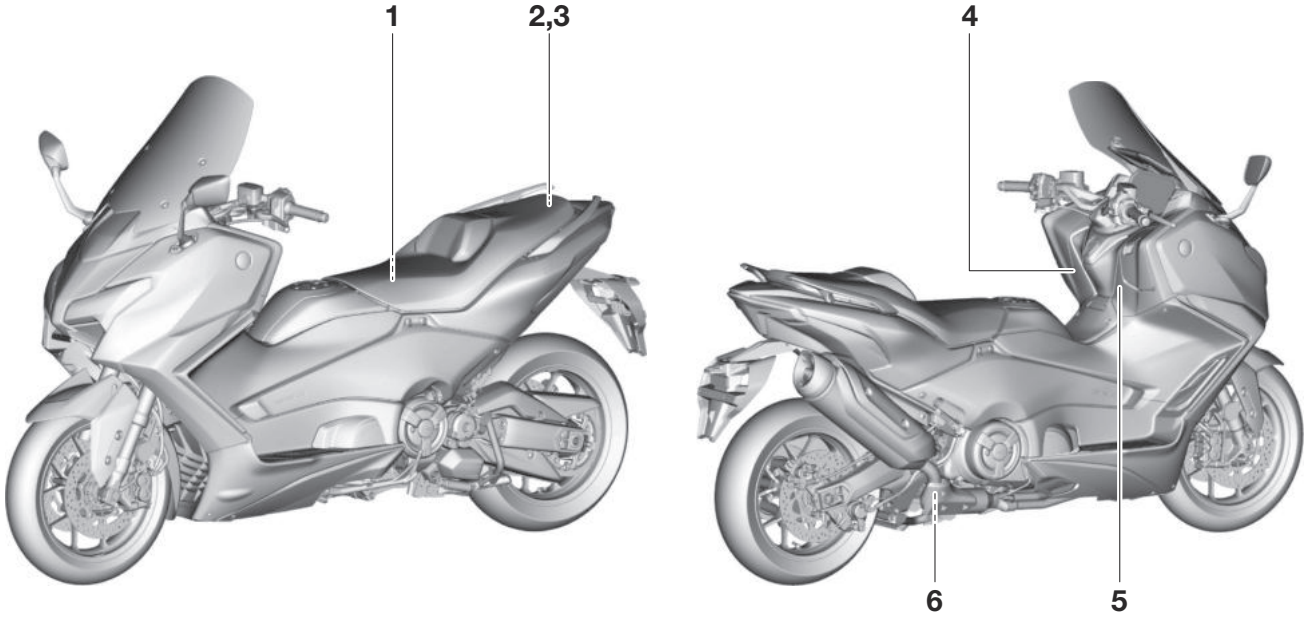
EAU10387

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.



Location of important labels

1

100kPa=1bar	kPa,psi	kPa,psi
	225,33	250,36
	225,33	280,41

BC3-21668-01

2

3

ข้อควรระวัง

ข้างในมี IMU อยู่,
อย่าวางของทับบนนี้
หรือห้ามกระแทก
กล่องนี้

B5Y-2815P-60

4

5

ใช้น้ำมันเชื้อเพลิงแก๊สโซฮอล์
ที่มีค่าออกเทน 95 (RON)

BM6-2817K-01

6

EAU1026B

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:
194 kg (428 lb) (XP560D)
196 kg (432 lb) (XP560)

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 9-18 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.)

EAUU0033

Helmets

Operating this vehicle without an approved motorcycle helmet increases your chances of a severe head injury or death in the event of an accident. The majority of fatalities from motorcycle or 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 select an approved motorcycle helmet

Pay attention to the following when choosing a motorcycle helmet.

- The helmet must meet the safety standard "TIS".
- The helmet size must match the size of the rider's head.
- Never subject a helmet to heavy shocks.

Wearing the helmet correctly

Always connect the chin strap. In the case of an accident, the helmet has a much less chance of coming off if the chin strap is connected.

Correct usage

ZAUU0003

Wrong usage

ZAUU0007

Types of helmets and their usage

- Half-type: use only for riding at low speeds

ZAUU0004

- Full-type: use only for riding at low to mid-range speeds

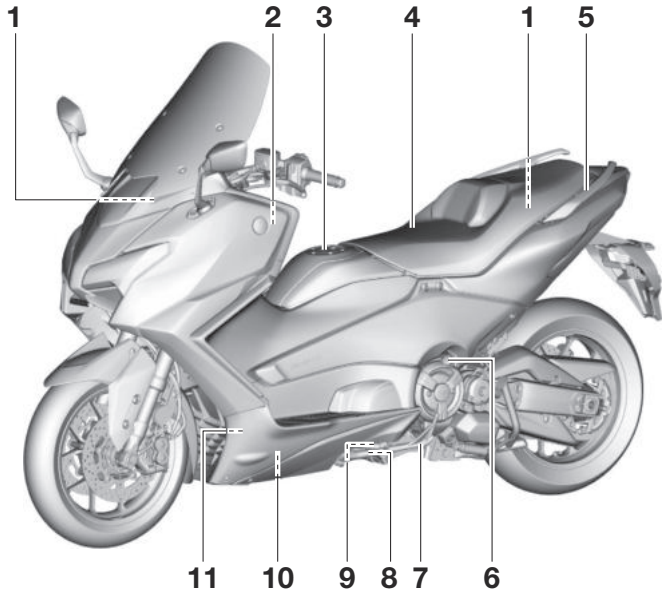
ZAUU0005

- Full-face-type: use for riding at mid-range to high speeds

ZAUU0006

EAU10411

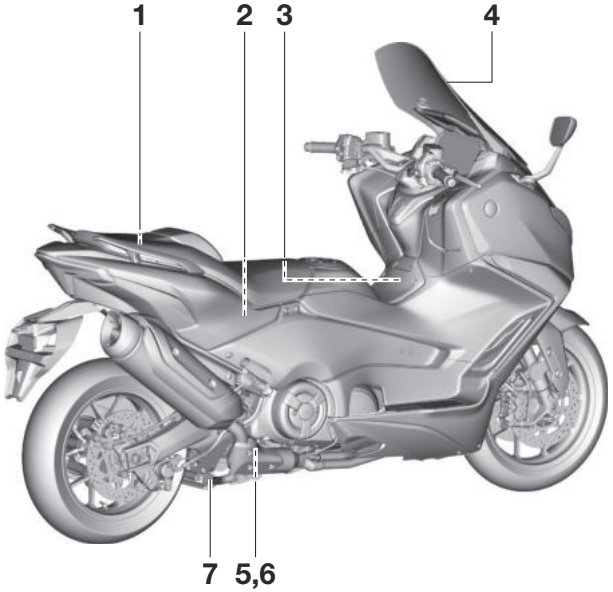
Left view



1. Fuses (page 9-31)
2. Battery (page 9-30)
3. Fuel tank cap (page 4-16)
4. Seat (page 4-17)
5. Grab bar (page 8-3)
6. Engine oil filler cap (page 9-11)
7. Sidestand (page 6-39)
8. Engine oil drain bolt (page 9-11)
9. Engine oil level check window (page 9-11)
10. Oil filter cartridge (page 9-11)
11. Coolant level check window (page 9-14)

EAU10421

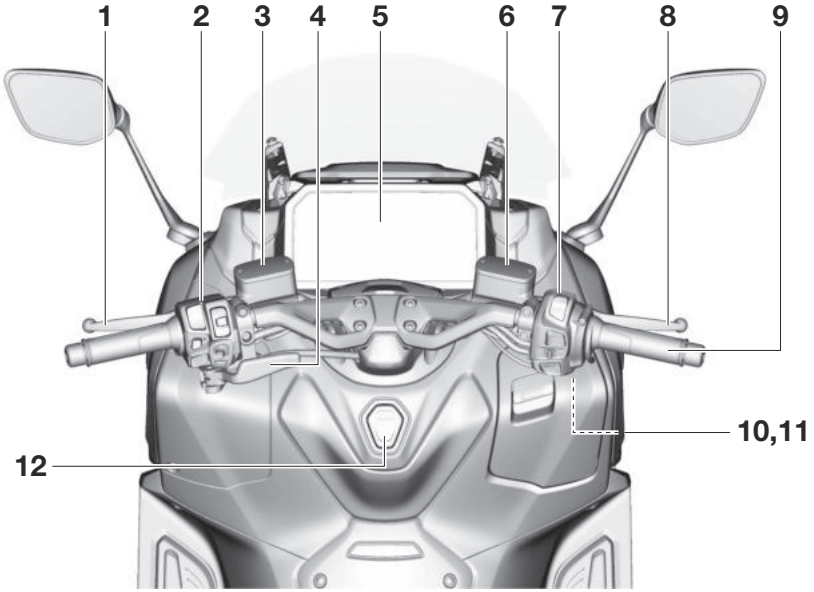
Right view



1. Tool kit (page 9-2)
2. Rear storage compartment (page 6-32)
3. Air filter element (page 9-16)
4. Windscreen (page 6-34/9-31)
5. Shock absorber assembly spring preload adjusting ring (XP560D) (page 6-36)
6. Shock absorber assembly rebound damping force adjusting screw (XP560D) (page 6-36)
7. Centerstand (page 9-28)

EAU10431

Controls and instruments



1. Rear brake lever (page 6-25)
2. Left handlebar switches (page 6-1)
3. Rear brake fluid reservoir (page 9-24)
4. Rear brake lock lever (page 6-26)
5. Multi-function meter unit (page 6-5)
6. Front brake fluid reservoir (page 9-24)
7. Right handlebar switches (page 6-1)
8. Front brake lever (page 6-25)
9. Throttle grip (page 9-27)
10. Front storage compartment (page 6-32)
11. USB Type-A jack (page 6-38)
12. Center switch (page 4-5)

EAUA3923

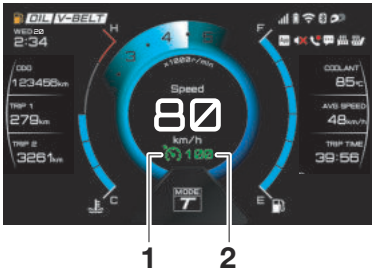
Cruise control system (XP560D)

The cruise control system is designed to maintain a set cruising speed between about 50 km/h (31 mi/h) and 140 km/h (87 mi/h).

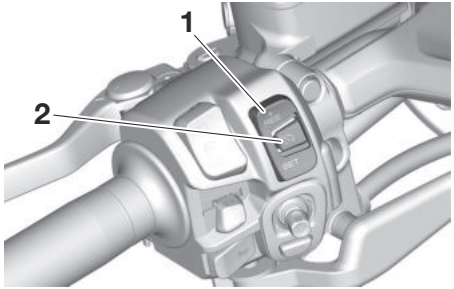
EWA22840

⚠ WARNING

- **Improper use of the cruise control system may result in loss of control, which could lead to an accident. Do not activate the cruise control system in heavy traffic, poor weather conditions, or among winding, slippery, hilly, rough or gravel roads.**
- **When traveling uphill or downhill, the cruise control system may not be able to maintain the set cruising speed.**
- **To avoid accidental activation of the cruise control system, turn it off (cruise control system indicator icon " " is off) when not in use.**



1. Cruise control system indicator icon " "/" "
2. Cruise control speed setting display



1. Cruise control setting switch "RES+/SET–"
2. Cruise control power switch " "

Activating the cruise control system

1. Push the cruise control power switch " " to turn on the system. The cruise control system indicator icon will come on in white " ".
2. Push the "SET–" side of the cruise control setting switch to activate the cruise control system. Your current traveling speed will become the set cruising speed. The cruise control system indicator icon will change to green and the set cruising speed will also display beside it.

TIP

In minimized display view, when the menu system or the navigation function are open, the cruise control system indicator icon and the set cruising speed will replace the coolant temperature meter.

Adjusting the set cruising speed

While the cruise control system is operating, push the "RES+" side of the cruise control setting switch to

increase the set cruising speed or the "SET–" side to decrease the set speed.

TIP

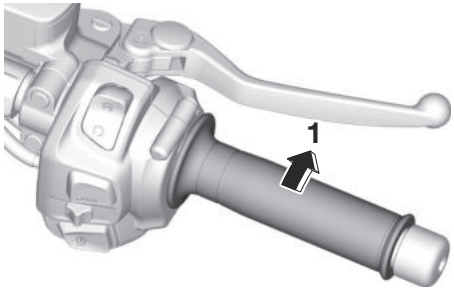
Pushing the setting switch once will change the speed in increments of approximately 1.0 km/h (0.6 mi/h). Holding down the "RES+" or "SET–" side of the cruise control setting switch will increase or decrease the speed 10.0 km/h (6.0 mi/h).

You can also manually increase your traveling speed using the throttle. After you have accelerated, you can set a new cruising speed by pushing the "SET–" side of the setting switch. If you do not set a new cruising speed, when you return the throttle grip, the vehicle will decelerate to the previously set cruising speed.

Deactivating / Turning off the cruise control system

Perform any of the following actions to deactivate the cruise control system and place it on standby. When the system enters standby, the cruise control system indicator icon turns white " ".

- Turn the throttle grip past the fully closed position in the deceleration direction.



1. Deceleration direction

- Apply the front or rear brake.

TIP

Traveling speed decreases as soon as the cruise control system is deactivated; unless the throttle grip is turned.

To turn off the cruise control system, press the Cruise control power switch " ". When the system is off, the cruise control system indicator icon " " will turn off.

TIP

Whenever the cruise control system or the vehicle power is turned off, the previously set cruising speed is erased. You will not be able to use the resume function until a new cruising speed has been set.

How to use the resume function

To reactivate the cruise control system from standby, press the "RES+" side of the cruise control setting switch. The vehicle speed will return to the previous set cruising speed and the cruise control system indicator icon will turn green " ".

EWA16351

WARNING

It is dangerous to use the resume function when the previously set cruising speed is too high for current conditions.

Automatic deactivation of the cruise control system

The cruise control system is electronically controlled and linked with other control systems. The cruise control system will automatically deactivate under the following conditions:

- The cruise control system is not able to maintain the set cruising speed (such as when going up a steep hill).
- Wheel slip or wheel spin is detected. (If the traction control system is on, traction control will engage.)
- The engine stop switch is set to the "⊠" position.
- The engine stalls.
- The sidestand is lowered.

If the cruise control system is automatically deactivated, the " " indicator icon will turn white and the " " indicator icon will flash for 4 seconds.
If the cruise control system was automatically deactivated, please stop and confirm that your vehicle is in good operating condition before continuing on.
When traveling on roads with steep grades, the cruise control system may not be able to maintain the set cruising speed.

- When going uphill, the actual traveling speed may become lower than the set cruising speed. If this occurs, accelerate to the desired traveling speed using the throttle.
- When going downhill, the actual traveling speed may become higher than the set cruising speed. If this occurs, the setting switch cannot be used to adjust the set cruising speed. To reduce the traveling speed, apply the brakes. When the brakes are applied, the cruise control system will deactivate.

EAUA1773

ESS (emergency stop signaling) system

When sudden deceleration occurs this system automatically activates to cause all turn signal lights to flash rapidly.
This provides additional warning to surrounding vehicles that your vehicle is decelerating rapidly.
The ESS system then deactivates under the following conditions:

- When the brakes are released.
- When sudden deceleration is no longer detected.

EWA22680

⚠ WARNING

The ESS system is not a collision prevention system. Avoid unnecessary hard braking and prioritize safe driving.

TIP

- The ESS system only activates when it detects sudden braking while the vehicle is traveling at speeds of 50 km/h (31 mi/h) or higher.

- ESS does not activate when the hazard lights are already activated.
- If the ESS is activated while one of the turn signal lights is already flashing, the ESS takes priority, causing all turn signals to flash rapidly.
- ESS does not operate when the ABS indicator light is on.

EAUA3935

TPMS (Tire pressure monitoring system) (XP560D)

This model is equipped with a TPMS. If low tire-pressure is detected, the tire pressure warning light "(!)" will come on. Each of the front and rear tire pressure values can be selected on the vehicle information display. (See page 6-8.)

EWA22850

WARNING

The tire pressure displayed on the vehicle information display is intended for reference only, because it is affected by the temperature of tires while riding. For the pre-operation checks, always check and adjust the air pressure using an air pressure gauge on cold tires.

TIP

- If a sensor battery is discharged or if a malfunction is detected, the tire pressure warning light "(!)" will flash. If the tire pressure warning light "(!)" flashes, have a Yamaha dealer check the vehicle.
- When the vehicle power is turned on, the TPMS vehicle information display will show "---" until the vehicle starts moving.

ECA28720

NOTICE

- **Use only the specified tires. Use of other tires may affect the accuracy of the TPMS and cause damage to the sensors and/or batteries.**
- **Tire replacement should only be done by a Yamaha dealer; otherwise, it may affect the accuracy of the TPMS and cause damage to the sensors and/or batteries.**
- **Do not charge or reuse the TPMS batteries.**
- **Do not disassemble and/or burn the batteries.**
- **Dispose of the batteries properly according to local law/regulation.**

EAUA3941

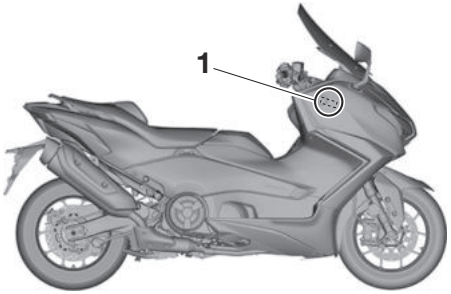
Smart key system

The smart key system enables the vehicle to be operated without using a mechanical key.

EWA14704

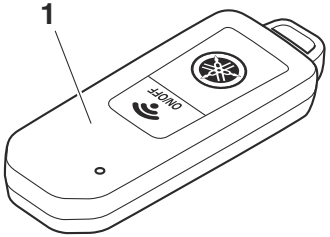
⚠ WARNING

- **Keep implanted pacemakers or cardiac defibrillators, as well as other electric medical devices away from the vehicle mounted antenna (see illustration).**
- **Radio waves transmitted by the antenna may affect the operation of such devices when close by.**
- **If you have an electric medical device, consult a doctor or the device manufacturer before using this vehicle.**

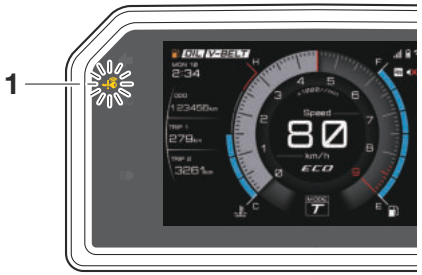


1. Vehicle mounted antenna

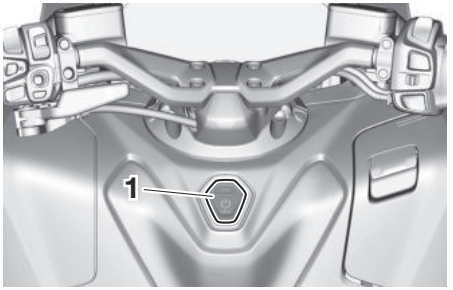
In addition to the vehicle mounted antenna, the smart key system consists of the smart key, smart key system indicator light, center switch and "ON" switch.



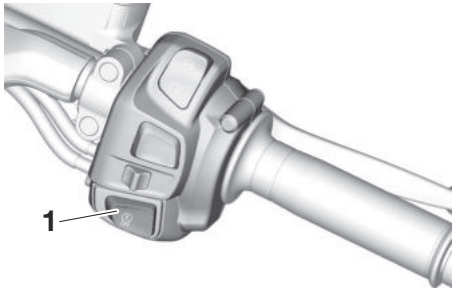
1. Smart key



1. Smart key system indicator light "🔑"



1. Center switch



1. "ON" switch

ECA27770

NOTICE

The smart key system uses weak radio waves. The smart key system may not work in the following situations.

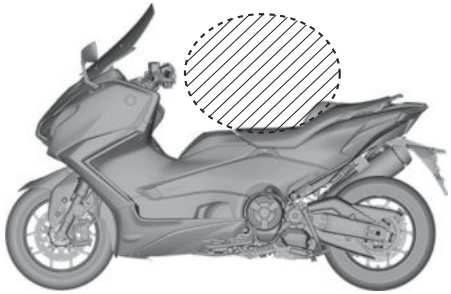
- **The smart key is placed in a location exposed to strong radio waves or other electromagnetic noise**
- **There are facilities nearby that are emitting strong radio waves (TV or radio towers, power plants, broadcasting stations, airports, etc.)**
- **You are carrying or using communication equipment such as radios or mobile phones in close proximity of the smart key**
- **The smart key is in contact with or covered by a metallic object**
- **Other vehicles equipped with a smart key system are nearby**

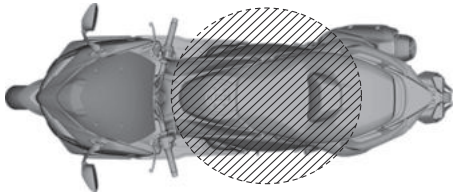
In such situations, move the smart key to another location and perform the operation again. If it still does not work, see page 9-38 for information about emergency mode and how to turn the vehicle power on without the smart key.

EAUA3950

Operating range of the smart key system

The operating range of the smart key system is as shown.





TIP

- As the smart key system uses low energy radio waves, the operating

range may be affected by the surrounding environment.
- When the smart key battery is discharged, the smart key may not work or its operating range become very small.
- If the smart key is turned off, the vehicle will not recognize the smart key even if it is within operating range.
- If the center switch or "ON" switch are repeatedly pressed when the smart key is out of range or cannot communicate with the vehicle, all switches will be temporarily disabled.
- Placing the smart key in the front or rear storage compartment may block communication between the smart key and the vehicle. If the rear storage compartment is locked with the smart key inside, the smart key system may be disabled. The smart key should always be carried on your person.

EWA17952

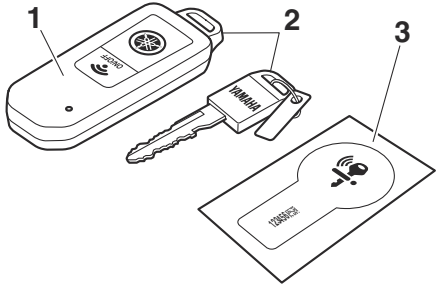
⚠ WARNING

- **The smart key should be carried with you. Do not store it on the vehicle.**
- **When the smart key is within operating range, exercise due care because other people not carrying the smart key can start the engine and operate the vehicle.**

EAUA3962

Handling of the smart key and mechanical key

Included with the vehicle is one smart key (with a built-in mechanical key) and one spare mechanical key with an identification card. Keep the spare mechanical key and card separate from the smart key. Should you lose or damage the smart key, or when its battery is discharged, the mechanical key will serve as a back up. The seat can be opened, the smart key system identification number can be manually input, and then the vehicle can be operated. (See page 9-38.) We recommend that you **note down the identification number in case of emergency.**



1. Smart key

2. Mechanical key
3. Identification number card

If the smart key and identification number card are both lost or damaged, and there is no record of the identification number, the entire smart key system will need to be replaced.

ECA21573

NOTICE

The smart key has precision electronic components. Observe the following precautions to prevent possible malfunction or damage.

- **Do not place or store the smart key in a storage compartment. The smart key may be damaged from road vibrations or excessive heat.**
- **Do not drop, bend, or subject the smart key to strong impacts.**
- **Do not submerge the smart key in water or other liquids.**
- **Do not place heavy items or excessive stress on the smart key.**
- **Do not leave the smart key in a place exposed to direct sunlight, high temperature or high humidity.**
- **Do not grind or attempt to modify the smart key.**
- **Keep the smart key away from strong magnetic fields and magnetic objects such as key holders, TVs, and computers.**
- **Keep the smart key away from electric medical equipment.**
- **Do not allow oils, polishing agents, fuel, or any strong chemicals to come in contact with the smart key. The smart key body may become discolored or cracked.**

TIP

- The smart key battery life is approximately two years, but this may vary according to operating conditions.
- The smart key battery may become discharged even if it is away from the vehicle and not being used.
- If the smart key continually receives radio waves, the smart key battery will discharge quickly. (For example, when placed in the vicinity of electrical products such as televisions, radios, or computers.)

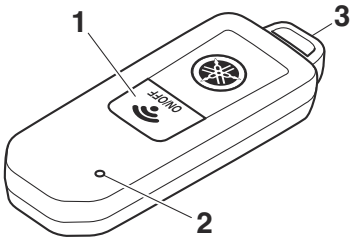
Replace the smart key battery when the smart key system indicator light flashes for about 20 seconds when the vehicle is first power on, or when the smart key indicator light does not come on when the “ON/OFF” switch is pushed. (See page 4-9.) After changing the smart key battery, if the smart key system still does not operate, have a Yamaha dealer check the vehicle.

TIP

- You can register up to six smart keys for the same vehicle. See a Yamaha dealer regarding spare smart keys.
- If a smart key is lost, contact a Yamaha dealer immediately to prevent the vehicle from being stolen.

Smart key

EAUA3970



1. "ON/OFF" switch
2. Smart key indicator light
3. Mechanical key

When the smart key is turned on and brought within range, the smart key system allows you to operate the vehicle without inserting a mechanical key.
If the smart key is turned off, the vehicle cannot be operated even if the smart key is within operating range of the vehicle.
The current status of the key can be checked by briefly pressing the "ON/OFF" switch.

- Short flash: the key is on
- Long flash: the key is off

To turn the smart key on or off

To turn the smart key on or off, press the "ON/OFF" switch for one second. The smart key indicator light will flash. If the key does a short flash, the key is on. If the key does a long flash, the key is off.

TIP

After the battery has been disconnected or if the vehicle has not been powered on for about a week, pressing press the "⏻/LOCK" section of the center switch or using the smart key may not turn the vehicle power on. In that case, press the "ON" switch to turn the vehicle power on.

To use the mechanical key

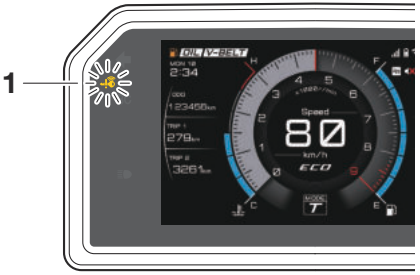
Pull out the mechanical key from the smart key body. After using the mechanical key, insert it back into the smart key.

Replacing the smart key battery

EAUA8760

Replace the battery in the following situations.

- The smart key system indicator light flashes for a few seconds when the power of the vehicle is turned on.
- When the smart key indicator light does not come on when the "ON/OFF" switch is pushed.



1. Smart key system indicator light "🔑"

EWA22830

⚠ WARNING

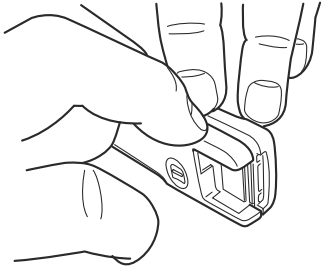
This battery contains combustible materials such as lithium metal and organic electrolyte. The following

cautions should be followed in order to use this battery safely:

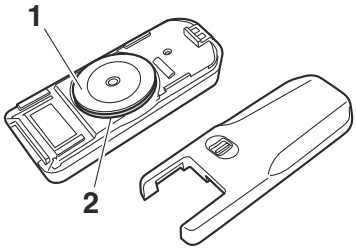
- **Do not short circuit the battery**
- **Do not charge the battery**
- **Do not soak the battery in water**
- **Do not deform or damage the battery**
- **Do not modify the battery in any way**

To replace the smart key battery

1. Gently pry open the smart key case as shown. Otherwise, have a Yamaha dealer replace the battery.



2. Remove the battery cover and O-ring.



1. Battery cover
2. O-ring

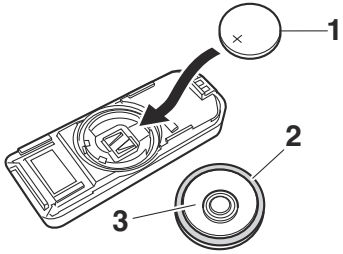
3. Remove the battery.

TIP

Dispose of the removed battery in accordance with local regulations.

4. Note the polarity of the battery and install it with the positive "+" side facing upwards as shown.

Specified battery:
CR2025
Nominal voltage:
3V



1. Battery
2. O-ring
3. Battery cover

5. Install the O-ring and battery cover.
6. Gently snap the smart key case closed.

ECA24011

NOTICE

- **Do not apply excessive force to the smart key when replacing the battery.**
- **Do not use a screwdriver or other hard object to force open the key.**
- **Take precautions to prevent the waterproof seal from being**

damaged or contaminated by dirt.
- Do not touch the internal circuits and terminals. This may cause malfunctions.
- Make sure the battery is installed correctly. Confirm the direction of the positive "+" side of the battery.

EWA20632

⚠ WARNING

Danger of explosion if battery is incorrectly replaced
- Replace only with the same or equivalent type.
- Please check and obey all local laws and regulations for the disposal of batteries or accumulations.
- Never dispose of battery in fire or mechanical crushing or cutting.
- If battery is incorrectly discarded or heated to high temperature (100 °C (212 °F) or higher), gas may be generated inside battery, causing electrolyte leak, internal short circuit, heat generation, explosion and violent flaring.

Do not expose Hand Unit to excessive heat such as sunshine, fire or the like.

Do not ingest the battery, Chemical Burn Hazard
- This product contains a coin/button cell battery. If the coin/button cell battery is swallowed or placed inside any part of the body, it can cause severe internal burns in just 2 hours and can lead to death. Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical action.

EWA23170

⚠ WARNING

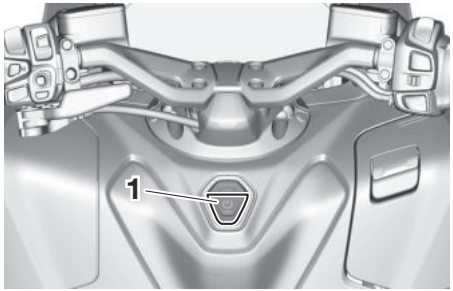
- The specified battery is not rechargeable, do not recharge the battery.
- Remove and immediately recycle or dispose of the smart key battery according to local regulations if the smart key will not be used for an extended period of time.
- Always make sure the smart key case is completely closed. If the case does not close securely, stop using the smart key, remove the battery, and keep them away from children.
- Do not force discharge, recharge, disassemble, heat the battery to 100 °C (212 °F) or higher, or incinerate it. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Even used batteries may cause severe injury or death. Immediately recycle or dispose of any

used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate. If consumed, call a local poison control center for treatment information.

EAUA3980

Powering on the vehicle

1. With the smart key turned on and in operating range, briefly press the "⏻/LOCK" section of the center switch.



1. "⏻/LOCK" section of the center switch

2. Upon authentication of the smart key, the beeper will sound twice and the smart key system indicator light will come on briefly. All locks will release automatically.

TIP

- If the steering remains locked and will not release, the smart key system indicator light will flash slowly. Move the handlebar gently to the left and right to help release the steering lock and then press the "⏻/LOCK" section of the center switch again.
- If the centerstand continues to be locked and will not release, the smart key system indicator light will flash slowly. Rock the vehicle forward and backward to help release the centerstand lock and then press the "⏻/LOCK" section of the center switch again.

ECA15826

NOTICE

If the steering lock or centerstand lock will not release and the smart key system indicator light is flashing, have a Yamaha dealer check the smart key system.

3. The power of the vehicle is turned on when all locks have been released. The multi-function display will come on.
4. The engine can now be started. (See page 8-2.)

TIP

- After the battery has been disconnected or if the vehicle has not

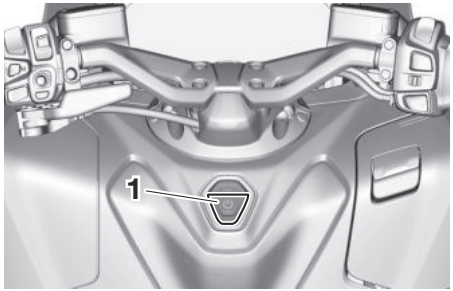
been powered on for about a week, pressing press the "⏻/LOCK" section of the center switch or using the smart key may not turn the vehicle power on. In that case, press the "ON" switch to turn the vehicle power on.

- See page 9-38 for information about emergency mode and how to turn the vehicle power on without the smart key.

EAUA3991

Powering off the vehicle

To turn the vehicle power off and stop the engine if it is running, briefly press the "⏻/LOCK" section of the center switch.



1. "⏻/LOCK" section of the center switch

Upon authentication of the smart key, the beeper will sound once to confirm that the vehicle power has been successfully turned off and fuel tank cap latch lock will be released.

TIP

- The rider must turn off the vehicle power manually.
- The vehicle power will not turn off automatically even if the smart key is moved out of operating range of the smart key system.
- The vehicle power cannot be turned off via the "⏻/LOCK" section of the center switch while the vehicle is moving.

If the smart key is not within operating range or cannot communicate with the vehicle when you press the "⏻/LOCK" section of the center switch, the vehicle power will not turn off and the beeper will sound for 10 seconds (the smart key system indicator light will also flash) to alert you that the power was not successfully turned off. Confirm the location and condition of the smart key and try powering off the vehicle again.

TIP

Without the smart key, the vehicle power can be turned off by pressing the "⏻/LOCK" section of the center switch again while the smart key system indicator light is flashing.

Auto lock function

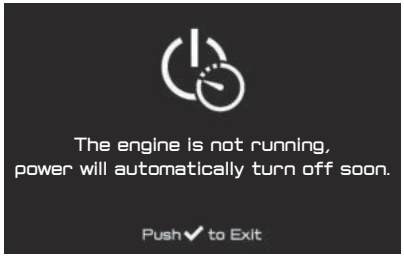
After the engine is stopped via the "⏻/LOCK" section of the center switch and

also whenever the vehicle power is turned from on to off, the fuel tank cap latch lock is released. The fuel tank cap latch will lock again after two minutes.

EAUA4002

Auto power off system

The auto power off system prevents unnecessary battery discharge in situations where the vehicle power is left on but the engine is stopped. The system automatically powers off the vehicle 40 minutes after the engine has stopped.
The message “The engine is not running, power will automatically turn off soon.” will be displayed for 20 seconds at 35 minutes after the engine has stopped.

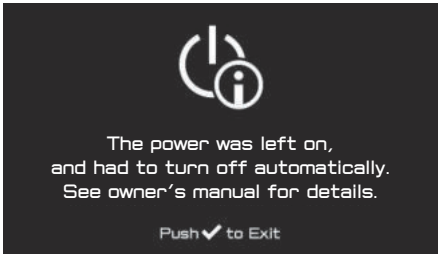


If the power remains on for another 5 minutes, it will automatically turn off.

TIP

- If the “⏻/LOCK” section of the center switch is pressed, the auto power off system will stop the 40 minute count and start again.
- This vehicle is also equipped with an engine auto-stop system. (See page 8-2.)

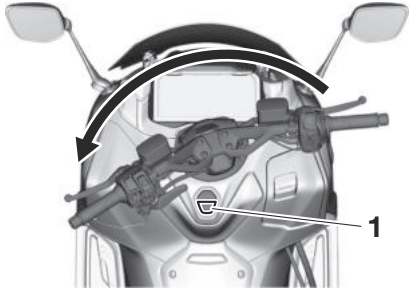
After the auto power off system has turned the vehicle power off, the message “The power was left on, and had to turn off automatically. See owner’s manual for details.” will be displayed at the next power on.



EAUA4010

How to lock the steering

With the vehicle power off, turn the handlebars fully to the left, then press and hold the "⏻/LOCK" section of the center switch until the steering locks.



1. "⏻/LOCK" section of the center switch

TIP

- If the steering locks correctly, the beeper will sound once.
- If the steering does not lock correctly, the beeper will sound for three seconds and the smart key system indicator light will flash. Turn the handlebars fully to the left one more time, then press and hold the "⏻/LOCK" section of the center switch again.
- If the vehicle is on the centerstand, the center stand is also locked simultaneously. (See page 4-15.)

EWA14742

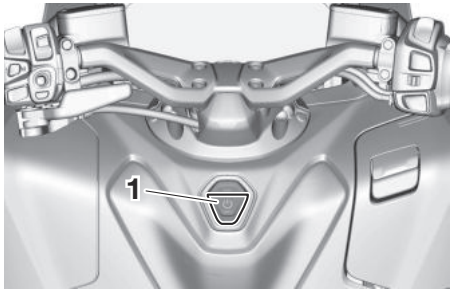
⚠ WARNING

Do not operate the steering lock while the vehicle is moving.

EAUA4020

How to lock the centerstand

Park the vehicle on a firm level surface and then place it on the centerstand. Press and hold the "⏻/LOCK" section of the center switch until the centerstand locks.



1. "⏻/LOCK" section of the center switch

TIP

- If the centerstand locks correctly, the beeper will sound once.
- If the centerstand does not lock correctly, the beeper will sound for three seconds and the smart key system indicator light will flash. Gently rock the vehicle forward and backward, then press and hold the "⏻/LOCK" section of the center switch.

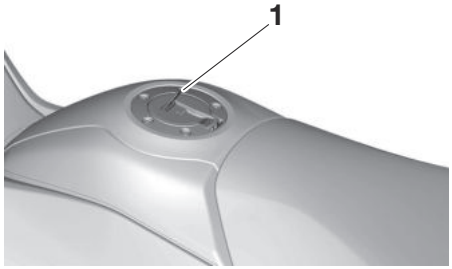
- If the centerstand locks with the handle fully turned to the left, the handle will also be locked simultaneously. (See page 4-15.)

EAUA4030

Fuel tank cap opening and closing

To open the fuel tank cap

1. Pull up on the fuel tank cap latch within 2 minutes of powering the vehicle off.



1. Fuel tank cap latch

2. Open the fuel tank cap.

TIP

- Two minutes after the vehicle is powered off, the fuel tank cap will lock. In that case, pull up the fuel tank cap latch to perform smart key system authentication.
  If you want to manually lock the fuel tank cap before the 2 minutes auto-lock, then use the steering lock or centerstand lock (also locks the fuel tank cap).
- Pull up the latch again to open the fuel tank cap.

To close the fuel tank cap

Push the fuel tank cap to the original position.

TIP

- A buzzer sounds when the power is turned on with the fuel tank cap or lid open. The buzzer will stop when the fuel tank cap is closed or 30 seconds have passed.
- After 5 consecutive operations in a short period of time, the fuel tank cap will lock and the smart key indicator will blink for 3 seconds. The lock will release 5 minutes after the last operation.

EWA21301

⚠ WARNING

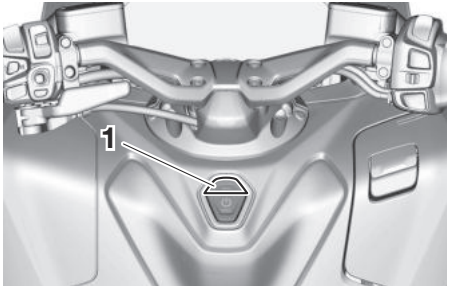
Make sure that the fuel tank cap is properly closed before operating the vehicle. Leaking fuel is a fire hazard.

EAUA4041

Seat opening and closing

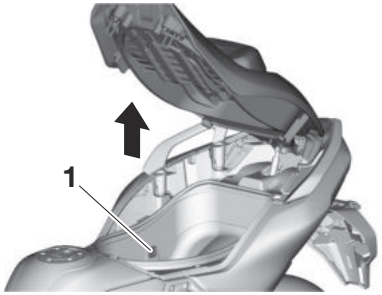
To open the seat

1. Place the vehicle on the center-stand.
2. With the smart key turned on and in operating range, briefly press the "SEAT" section of the center switch.



1. "SEAT" section of the center switch

3. The seat lock will release upon authentication of the smart key.
4. Fold the seat up.



1. Storage compartment light

TIP

The storage compartment light will stay on for two minutes after opening the seat.

EWA21311

⚠ WARNING

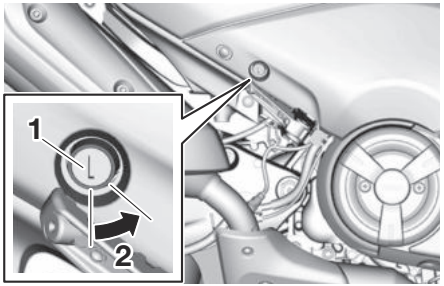
Do not operate the "SEAT" section of the center switch while the vehicle is moving.

To close the seat

Fold the seat down, and then push it down to lock it in place.

TIP

- Make sure the seat is properly closed before starting off.
- In case of an emergency, the seat can be opened with the mechanical key.



1. Seat lock
2. Unlock.

EAUA4074

Smart features (communication control unit)

EWA23140

⚠ WARNING

- **Failure to pay attention while riding could result in death or serious injury. Always concentrate on riding by keeping your eyes and mind on the road.**
- **Stop the vehicle before making any settings changes or operating your smartphone.**
- **Changing settings while riding can distract the operator and increase the risk of an accident.**
- **Never take your hands off the handlebars while riding.**
- **Keep volume levels low enough to maintain awareness of your surroundings and ensure safety.**

This vehicle is equipped with an extensive suite of smart features utilizing your smartphone, connected to the vehicle through a communication control unit (CCU) and the Yamaha Motorcycle Connect app.

- GPS navigation (requires Garmin Motorize app connected via Wi-Fi or USB) (page 5-7)
- Telephone (page 5-8)
- Audio player (page 6-18)
- Smartphone notifications (page 6-19)
- Weather information (page 6-19)
- Clock automatic update (page 6-22)
- Language settings (page 5-2)

TIP

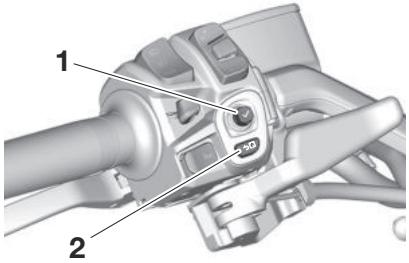
- Some features may not be available depending on your smartphone.
- Some music and SNS applications may not function properly in combination with other applications.
- Wi-Fi connectivity is not supported in some countries. In such cases, Wi-Fi related menu items are grayed out.
- The CCU takes about 30 seconds to boot after the vehicle power is turned on. "App Applications" and other smart features will not be available during this time and will appear grayed out in the menu system.
- After disconnecting/reconnecting the battery, the CCU takes about 1 minute to boot.

1

1. Pop-up menu

Smart features are accessed via the pop-up menu system at the bottom of the main display (see page 6-11). The menu system and all related features are controlled using the joystick/home button "⮌⌂" (see page 6-2).
First, please read how to operate the basic menu controls, and then an initial setup and connection of a smartphone to the CCU must be completed.

Menu system controls



1. Joystick
2. Home button "⌂"

This manual uses the following terms to describe the usage of the joystick/home button:

Short press the home button "⌂"	Briefly press the home button
Long press the home button "⌂"	Press the home button for 1 second
Short press enter "✔"	Briefly press the joystick straight inward
Long press enter "✔"	Press the joystick straight inward for 1 second
Operate joystick	Move the joystick up-down-right-left

To open the pop-up menu from the main display:

- Short press the home button "⌂"
- Operate the joystick left-right
- Short press enter "✔"

Menu system operation:

- Operate the joystick left-right-up-down to select and adjust menu items.
- Short press enter "✔" to execute a selection.
- Short press the home button "⌂" button to return to the previous screen.
- Long press the home button "⌂" button to close the menu system.

TIP

- When arrows "‹ ˆ ›" appear highlighting a menu item, operating the joystick in the direction of the arrows will adjust the highlighted function.
- Some menu pages have a back arrow "<". If so, operate the joystick left to return to the previous screen.
- Some menu items have a forward arrow ">" next to them. While the item is highlighted, operate the joystick right or press enter "✔" to open that module.

Yamaha Motorcycle Connect app

Yamaha Motorcycle Connect is a free app which is needed to complete the connection between the CCU and your smartphone. The app can be searched by name and downloaded from your smartphone application store.

TIP

- Use of Yamaha Motorcycle Connect is subject to your agreement to the Yamaha Motorcycle Connect terms of use.

5

- The Yamaha Motorcycle Connect app may not function on all smartphones or OS (operating system) versions.
- Navigation and other features require GPS access permissions to be set as “Always allow” on your smartphone.
- Every smartphone operates differently; refer to your individual device instructions regarding connectivity, Bluetooth discovery, app permissions, and other settings.

EAUA4083

Initial setup

To use smart features:

1. Download/install the Yamaha Motorcycle Connect app on your smartphone via an application store. Complete the installation and pair/connect it to the CCU via Bluetooth.
2. To use the navigation system, download/install the Garmin Motorize app on your smartphone via an application store. Complete the installation and connect it to the CCU via Wi-Fi/USB.
3. To use the audio/phone/navigation systems, pair a Bluetooth headset to the CCU.

Yamaha Motorcycle Connect pairing

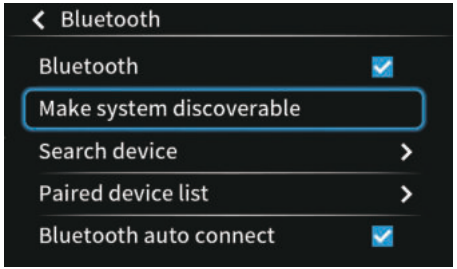
ECAN0150

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.).**

1. Download and install the Yamaha Motorcycle Connect app on your smartphone.
2. Navigate to: “App Applications” → “Settings” → “Connections” → “Bluetooth” in the menu system.
3. Make sure there is a blue checkmark next to “Bluetooth” and select “Make system discoverable”.



4. Open the Yamaha Motorcycle Connect app and navigate to the pairing display. Follow the instructions on the app to detect the CCU and pair/connect with it.

TIP

After making the CCU discoverable, a pairing must be completed within 3 minutes or the process will fail. If a failure occurs, select “Make system discoverable” again to retry.

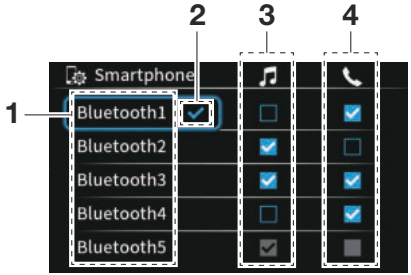
5. A request for Bluetooth pairing will appear with a passkey matching the one displayed on the smartphone. Operate the joystick to highlight “Pair” and then short press “✔”.

6. Accept the pairing request on your smartphone.

TIP

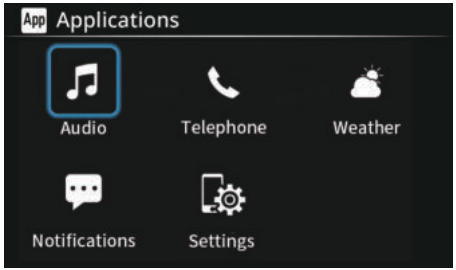
- After the passkey appears, the pairing must be confirmed within 30 seconds or it will time out. If a failure occurs, select “Make system discoverable” again to retry.
- When connected, the Yamaha Motorcycle Connect indicator icon “App” will appear on the top of the main display.

7. If pairing is successful, the vehicle display will transition to the “Paired device list” where your smartphone device name will be listed.



1. Device name
2. Currently connected
3. Connect for audio
4. Connect for telephone

8. The “Audio”, “Telephone”, “Notifications”, and “Weather” functions will become active when the Bluetooth connection is established.



TIP

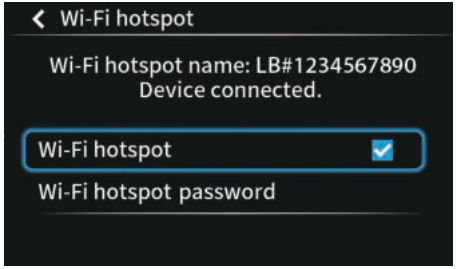
- A request will appear on your smartphone to share contact information with the vehicle. If you decline to upload the data to the CCU and/or allow access to notifications, you can do so later in your smartphone’s settings.
- If a Bluetooth pairing record is deleted from the smartphone, then the corresponding pairing record must be deleted from the “Paired device list” in order to pair again successfully.
- If a Bluetooth pairing record is deleted from the “Paired device list”, then the corresponding pairing

record must be deleted from the smartphone in order to pair again successfully.

- The first time the vehicle is paired with the Yamaha Motorcycle Connect app, the "App Applications" menu language will change to match the language selected in the app. When first installed, the app adopts the system language of the smartphone. If the language is not supported by the CCU, then English will be automatically selected.

Wi-Fi Connection

1. Navigate to: "App Applications" → "Settings" → "Connections" → "Wi-Fi hotspot" in the menu system.



2. Open "Wi-Fi hotspot password". You can use the existing default password or create your own. The password must be at least 8 digits in length. The default password is random.

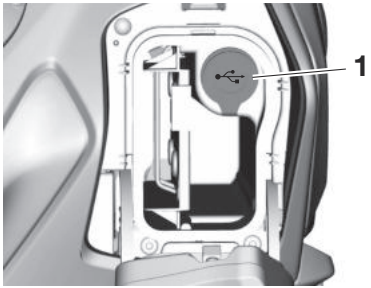
3. Make sure the blue check appears on the "Wi-Fi hotspot" item, the hotspot name will be displayed in the format "LB# + 10 digit number".
4. Search for the hotspot via your smartphone's Wi-Fi settings and connect using the password. The vehicle display will change from "No device connected." to "Device connected.".

TIP

Wi-Fi may not be supported in some countries. If so, use USB connection instead.

USB connection

Connect a smartphone via the USB jack located in the front storage compartment. (See page 6-38.)



1. USB Type-A jack

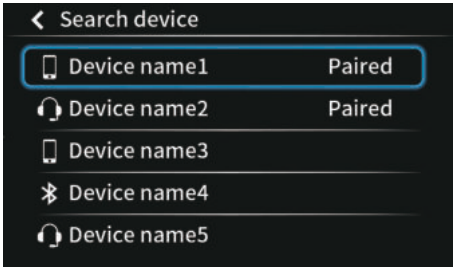
ECA27740

NOTICE

Take care to avoid damaging the USB jack.

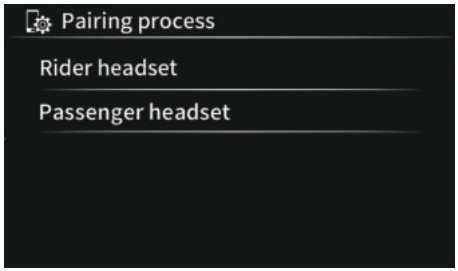
Bluetooth Headset Pairing

1. Make your headset discoverable via its Bluetooth settings.
2. Navigate to: "Applications" → "Settings" → "Connections" → "Bluetooth" → "Search device" → "Headset" in the menu system.

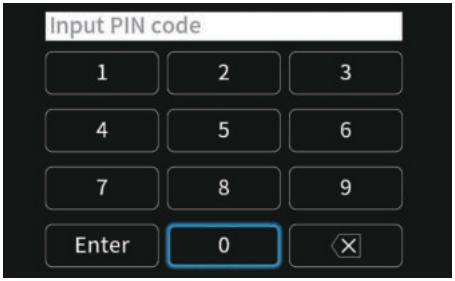


After some time, your headset device name should appear on the list of available devices. Select it from the list.

3. Select to pair as a rider or passenger headset.



At this point, a PIN code may need to be input for some headset models.



When connected, the display will switch to "Paired device list" and the headset icon "" will appear.

TIP

Once paired, a headset can be switched between rider-passenger in the "Paired device list". (See page 6-15.)

EAUA4094

Navigation system: Garmin Motorize

EWA21401

WARNING

- **Always stop the vehicle before operating the navigation system.**
- **Always concentrate on riding by keeping your eyes and mind on the road.**

This vehicle is equipped with a navigation system which provides visual and audio (Bluetooth headset required) route guidance. To use the navigation system, you must first download the Garmin Motorize app from an application store onto your smartphone.
Navigation also requires the following:

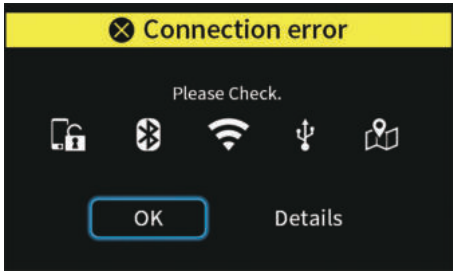
- smartphone connection to the CCU via Wi-Fi or USB
- Yamaha Motorcycle Connect app connection via Bluetooth (not required for USB connections)
- headset connection via Bluetooth (audio route guidance)

TIP

- Use of the Garmin Motorize app is subject to your agreement to the Garmin Motorize terms of use.
- Yamaha shall not be liable for any damages resulting from the use of the Garmin Motorize app.
- The smartphone must remain unlocked and the Garmin Motorize app must be kept in the foreground in order to ensure the phone does not sleep (lock). If another app's function moves the Garmin Motorize app to the background (phone call, alarm, etc.) the phone may sleep (lock) and the navigation may stop.
- The Garmin Motorize app's GPS access permissions must be set to "Always allow" on your smartphone's settings.
- The Garmin Motorize app may not work on all smartphones or OS (operating system) versions.

How to use the navigation system:
The navigation system is controlled using the joystick/home button:

- Long press the home button "⌂" to access the navigation system from the main display.
- Short press enter "✔" to open the navigation system menu.
- Operate the joystick up-down to control the map zoom.
- Long press enter "✔" to mute/unmute all audio.
- Long press the home button "⌂" to exit navigation and return to the main display.



If the navigation system cannot connect to the Garmin Motorize app then this error screen is displayed. Short press enter "✔" on "OK" to continue.

EAU96139

Telephone

This vehicle is equipped with a telephone function that utilizes your smartphone and a Bluetooth headset. To use this function, both a smartphone and a Bluetooth headset must be paired and connected to the CCU (see page 5-3). The telephone function is controlled using the joystick/home button (see page 6-2).

Receiving phone calls:

When a phone call is received to a connected smartphone, the ringtone will play through the connected headset and a telephone function will appear at the bottom of the display. Short press enter "✔" on the green phone icon to answer the call. The active phone call indicator icon "" will appear on the top of the main display for the duration of the call.

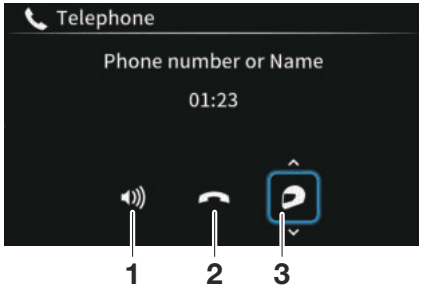
TIP

While an incoming phone call is ringing, the ringtone volume can be adjusted by operating the joystick up-down.

1. Volume
2. End call

Highlight the volume icon and operate the joystick up-down to adjust the call volume. Highlight the end call icon and short press enter "✔" to hang up the call.

5



1. Adjust call volume
2. End call
3. Switch call audio output between Bluetooth headset/smartphone device

Opening the pop-up menu will hide the phone function at the bottom of the display, however, it can be accessed again by navigating to "Telephone" in the menu system. While a call is active, a full-screen active call function can be accessed by navigating to "Applications" → "Telephone" in the menu system. (see page 6-18)

TIP

Closing the active call screen using the home button "" will not end the call.

Highlight the volume icon and operate the joystick up-down to adjust the call volume level. Highlight the end call icon and short press enter "✔" to hang up the call.

Making phone calls:

1. Navigate to: "Applications" → "Telephone" in the menu system. If a call is not already active, then a recent contact list will appear. Highlight a contact and short press enter "✔" to start a call, the display will transition to the active call function.

2. You can also make a phone call directly on your smartphone and the telephone function will appear at the bottom of the vehicle display. The call audio will play through the connected Bluetooth headset.

TIP

If the contact information has not been shared from the smartphone to the CCU, then the recent contact list will only display phone numbers of call events which occur while the smartphone is connected.

EWA21420

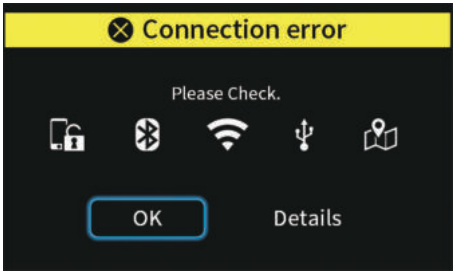
⚠ WARNING

- **Do not use your smartphone while the vehicle is in motion.**
- **Never take your hands off the handlebars while riding.**
- **Always concentrate on riding by keeping your eyes and mind on the road.**
- **Keep volume levels low enough to maintain awareness of your surroundings and ensure safety.**

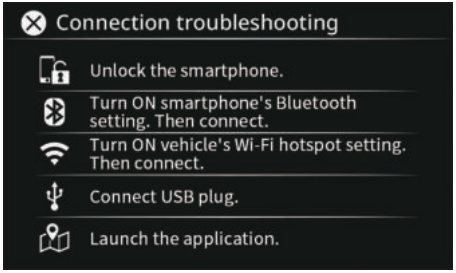
EAUA4100

Connection troubleshooting

If a connection error occurs between the smartphone, Yamaha Motorcycle Connect app, Garmin Motorize app and/or CCU, the following screen is displayed.



Select “Details” and check the connection as instructed on the screen.



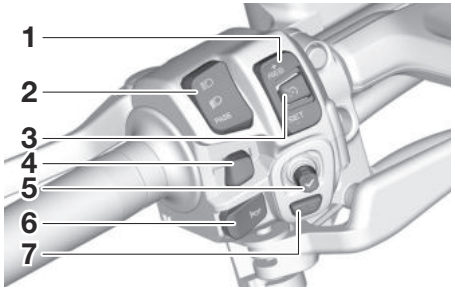
If the error persists, try the following:

1. Turn OFF the vehicle power. After 30 seconds, turn ON the vehicle power again.
2. Disconnect the USB plug. After 10 seconds, connect the USB plug again.
3. Turn OFF the smartphone’s Bluetooth. Then turn it ON again.
4. Delete Bluetooth pairing information from both the smartphone and the CCU to pair them again.
5. Reboot the Yamaha Motorcycle Connect app and the Garmin Motorize app.

EAU6605B

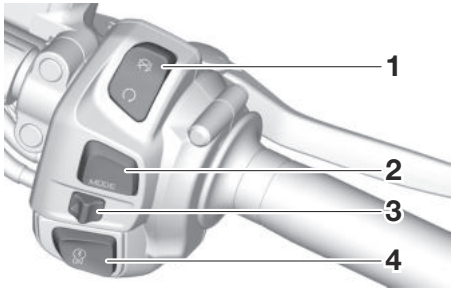
Handlebar switches

Left



1. Cruise control setting switch “RES+/SET–” (XP560D)
2. Dimmer/Pass switch “ / /PASS”
3. Cruise control power switch “ ” (XP560D)
4. Turn signal switch “ / ”
5. Joystick
6. Horn switch “ ”
7. Home button “ ”

Right

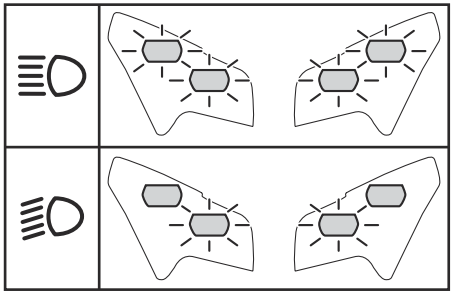


1. Engine stop switch “ / ”
2. Drive mode switch “MODE”
3. Hazard switch “ ”
4. Power on/Starter switch “ ”

EAU54203

Dimmer/Pass switch “ / / PASS”

Set this switch to “ ” for the high beam and to “ ” for the low beam.
To flash the high beam, push the switch down towards “PASS” while the headlights are on low beam.



EAU66040

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.

EAU66030

Horn switch “ ”

Press this switch to sound the horn.

EAU97550

Engine stop switch “ / ”

Set this switch to “ ” before starting the engine. Set this switch to “ ” to stop the engine in case of an

emergency, such as in the event of an overturn or if the throttle is stuck.

EAU95663

Power on/Starter switch "ON"

With the smart key turned on and within range, press the "⏻/LOCK" section of the center switch to turn on the power to the vehicle. Then with the sidestand up and while applying the front or rear brake, push this switch to crank the engine with the starter. See page 8-2 for starting instructions prior to starting the engine.

TIP

- XP560: When the vehicle power is off, push the "ON" switch to turn the vehicle power on.
- XP560D: When the vehicle power is off, push the "ON" switch to turn the vehicle power on. Push and hold the "ON" switch to turn the vehicle power on and also start the engine.
- If the power does not turn on when pressing the "⏻/LOCK" section of the center switch, try using the "ON" switch.

EAU95652

Hazard switch "⚠"

With the vehicle power is on, use this switch to turn on the hazard lights (simultaneous flashing of all turn signal lights).

The hazard lights are used in case of an emergency or to warn other drivers when your vehicle is stopped where it might be a traffic hazard. Hazard lights can be turned on/off only when the vehicle power is on. Even after the vehicle power is turned off, they will continue to flash until the vehicle is powered on again and the hazard lights are switched 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.

EAUA1930

Cruise control switches (XP560D)

See page 4-1 for an explanation of the cruise control system.

EAU84260

Drive mode switch "MODE"

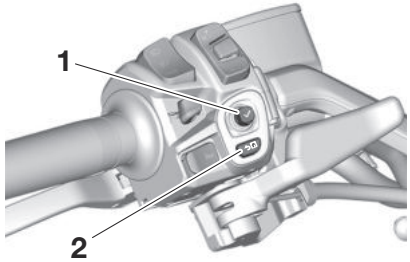
See page 6-24 for an explanation of the drive mode.

EAUA1923

Joystick "✔" and home button "⮌⌂"

These are used to control the display/menu system.

See pages 5-2, 6-5 and 6-11 for more detailed explanations of their function.



1. Joystick
2. Home button "⮌⌂"

6

EAU7712B

Indicator lights and warning lights

1. High beam indicator light "≡D"
2. Brake control system indicator light "BC"
3. Smart key system indicator light "🔑"
4. Turn signal indicator lights "◀" and "▶"
5. ABS warning light "(ABS)"
6. Traction control system indicator light "TCS"
7. Engine trouble warning light "🔧"
8. Tire pressure warning light "(!)" (XP560D)

EAU88680

Turn signal indicator lights "◀" and "▶"

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

EAU88690

High beam indicator light "≡D"

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

EAU89430

Engine trouble warning light "🔧"

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

TIP

When the vehicle is turned on, this light should come on for a few seconds and then go off. Otherwise, have a Yamaha dealer check vehicle.

EAU77075

ABS warning light "(ABS)"

This warning light comes on when a problem is detected with the ABS. (See page 6-26.)

When the vehicle power is turned on, this light will come on and then go off after reaching a traveling speed of 10 km/h (6 mi/h). If the warning light:

- does not come on when the vehicle power is turned on
- does not go off after traveling at a speed of 10 km/h (6 mi/h) or higher
- comes on or flashes while riding

the anti-lock brake system may not work correctly. Have a Yamaha dealer check the vehicle as soon as possible.

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 when revving the engine with the scooter on its centerstand, but this does not indicate a malfunction.

EAUA4140

Brake control system indicator light "BC"

This indicator light will flash when brake control has engaged.
If the brake control system is turned off, this indicator light will come on. (See page 6-27.)

TIP

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

EAU88931

Traction control system indicator light "TCS"

This indicator light will flash when traction control has engaged.
If the traction control system is turned off, this indicator light will come on. (See page 6-28.)

TIP

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

EAU78086

Smart key system indicator light "  "

This indicator light will flash when communication between the vehicle and smart key takes place and when certain smart key system operations are carried out. The indicator light may also flash when there is an error in the smart key system.

TIP

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

EAUA4161

Tire pressure warning light "  " (XP560D)

This warning light comes on when the air pressure of a tire is low. Stop the vehicle as soon as possible and inspect your tires. **WARNING! Failure to correct low tire pressure can lead to loss of control and serious injury.**

[EWA20420]

If a sensor battery is discharged or if a malfunction is detected, this warning light will flash. Have a Yamaha dealer check the vehicle.

TIP

- When the vehicle is turned on, this light should come on for a few seconds and then go off. Otherwise, have a Yamaha dealer check the vehicle.
- When the TPMS is disabled, the tire pressure warning light will not come on / flash in any case and the tire pressure items on the vehicle information display will not be available.

EAU9609F

Display

1. Coolant temperature meter
2. Left-side vehicle information display
3. Clock
4. Tachometer
5. Indicator icons
6. Right-side vehicle information display
7. Fuel meter
8. Drive mode display
9. Eco indicator “ECO”
10. Speedometer

TIP

- This model uses a thin-film-transistor liquid-crystal display (TFT LCD) for good contrast and readability in various lighting conditions. However, due to the nature of this technology, it is normal for a small number of pixels to be inactive.
- The display units can be switched between kilometers-miles and Celsius-Fahrenheit. (See page 6-22.)

Minimized display view (while menu system/navigation are open)

1. Coolant temperature meter
2. Clock
3. Vehicle information display favorite
4. Speedometer
5. Drive mode display
6. Indicator icons
7. Fuel meter

When the menu system or the navigation function are open, the information on the main display is relocated as shown.

Clock

The clock uses a 12-hour time system. The clock is updated automatically from connected smartphones or can also be manually set in “⚙ Machine Settings” → “Clock”. (See page 6-22.)

Speedometer

The speedometer shows the vehicle’s traveling speed.

Tachometer

The tachometer shows the engine speed, as measured by the rotational velocity of the crankshaft, in revolutions per minute (r/min).

ECA10032

NOTICE

Do not operate the engine in the tachometer red zone.
Red zone: 8300 r/min and above

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 starts flashing, refuel as soon as possible.

ECAE0121

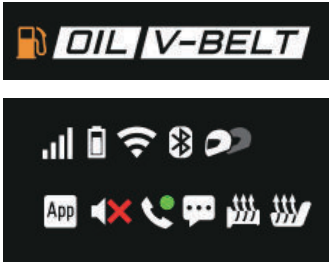
NOTICE

Do not let the vehicle run completely out of fuel. This may cause damage to the catalytic converter.

Coolant temperature meter

The coolant temperature varies with changes in the weather and engine load. If the coolant temperature exceeds the limit, the coolant meter will start flashing. If this occurs,stop the vehicle and let the engine cool. (See page 9-37.)

Indicator icons



Low fuel indicator icon "⛽"
This icon comes on when approximately 2.7 L (0.71 US gal, 0.59 Imp.gal) of fuel remains in the tank.

Oil change indicator icon "OIL"
This icon will come on at the initial 1000 km (600 mi), and then every 5000 km (3000 mi) thereafter. (See page 6-21.)

V-belt replacement indicator icon "V-BELT"
This icon will come every 20000 km (12500 mi). (See page 6-21.)

Network connectivity indicator icon "📶"
This icon indicates the connected smartphone's network connection status.
Icon off: No smartphone connected.
📶: A smartphone is connected but has no network connectivity.
📶: A smartphone is connected and has network connectivity. The icon's segments indicate the signal strength.

Smartphone battery level indicator icon "🔋"
This icon indicates the connected smartphone's battery level.
Icon off: No smartphone connected.
🔋: The center bar moves up and down to indicate the battery level.
🔋: Smartphone connected via USB.

Wi-Fi connectivity indicator icon "📶"
This icon indicates Wi-Fi connection status.
Icon off: The vehicle's Wi-Fi function is deactivated.
📶: The Wi-Fi function is active but is not connected to a smartphone.

: A smartphone is connected via Wi-Fi.

Bluetooth connectivity indicator icon "Ⓑ"
This icon indicates Bluetooth connection status.
Icon off: The vehicle's Bluetooth function is deactivated.
Ⓑ: The vehicle Bluetooth is active but not connected to a smartphone.
Ⓑ: A smartphone is connected.

Headset indicator icon " "
This icon comes on if a Bluetooth headset is connected to the vehicle. The icon changes if the headset is changed between rider/passenger connection and if there are two headsets connected at once.

Yamaha Motorcycle Connect app indicator icon "App"
This icon comes on when the Yamaha Motorcycle Connect app is successfully connected to the vehicle.
App: The icon turns yellow when the connected smartphone becomes overheated.

TIP
If there is a communication error between the multi-function meter and the CCU, this icon will flash.

Audio mute indicator icon "×"
This icon indicates if audio is muted.

Telephone indicator icon "●"/"●"
This icon comes on green when there is an active call and red when there is a recent missed call. The missed call icon will disappear when the recent contact list is opened at "App Applications" → "Telephone" in the menu system.

Notification indicator icon "…"
This icon comes on when the connected smartphone receives an SNS, E-mail or other notification. After that, the icon stays on until you turn the vehicle off or check the notifications by navigating to "App Applications" → "Notifications" in the menu system.

TIP
- This function works only when the smartphone is connected to the CCU via Yamaha Motorcycle Connect.
- Permission to access notifications must be granted to the Yamaha Motorcycle Connect app on the smartphone.

Grip warmer indicator icon "♨" (if equipped)
The grip warmers can be used when the engine is running. There are 3 customizable temperature presets that can be customized between 10 different temperature levels. (See page 6-20.)
The icon displays the current temperature setting:
Icon off: Grip warmer off.
♨: Low preset
♨: Medium preset
♨: High preset

ECA17932

NOTICE
- **Be sure to wear gloves when using the grip warmers.**
- **Do not use the grip warmers in warm weather.**
- **If the handlebar grip or throttle grip becomes worn or damaged,**

stop using the grip warmers and replace the grips.

Seat heater indicator icon "♨" (if equipped)
The seat heater can be used when the engine is running. There are 3 customizable temperature presets that can be customized between 10 different temperature levels. (See page 6-20.)
The icon displays the current temperature setting:
Icon off: Seat heater off.
♨: Low preset
♨: Medium preset
♨: High preset

ECA23980

NOTICE

- **Be sure to wear protective clothing that covers your hip and legs when using the seat heater.**
- **If the ambient temperature is 20 °C (68 °F) or higher, do not set the seat heater to the high setting.**
- **If the seat becomes worn or damaged, stop using the seat heater and replace the seat.**

Eco indicator

This indicator comes on when the vehicle is being operated in an environmentally friendly, fuel-efficient manner. The indicator goes off when the vehicle is stopped.

TIP

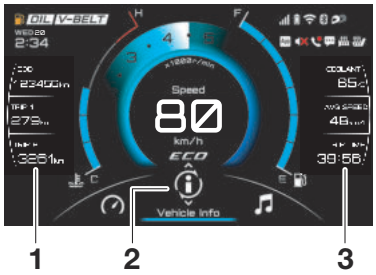
Consider the following to reduce fuel consumption:

- Avoid high engine speeds during acceleration.
- Travel at a constant speed.
- Select the transmission gear that is appropriate for the vehicle speed.

Drive mode display

This display indicates which drive mode has been selected: "S" sporty or "T" touring. (See page 6-24.)

Vehicle information display



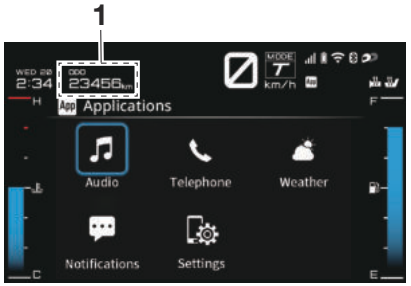
1. Left-side vehicle information display
2. "ⓘ Vehicle Info"
3. Right-side vehicle information display

The vehicle information display is split into two sections located on either side of the speedometer / tachometer on the main display. It provides the following information:

- Air temperature (AIR)
- Coolant temperature (COOLANT)
- Average speed (AVG SPEED)
- Trip timer (TRIP TIME)
- Front tire pressure (TIRE FRONT) (if equipped)
- Rear tire pressure (TIRE REAR) (if equipped)

- Average fuel consumption (AVG FUEL)
- Instantaneous fuel consumption (INST FUEL)
- Odometer (ODO)
- Two tripmeters (TRIP 1 / TRIP 2)
- Estimated traveling range (RANGE)
- Fuel reserve tripmeter (TRIP F)

On the left-side display, only 3 items are displayed at a time. Operate the joystick up-down to cycle the visible items. The right-side display contains three favorite items which can be customized by navigating to "⚙ Machine Settings" → "Vehicle Info" in the menu system. (See page 6-22.)
The three favorited items are also displayed, one at a time, at the top of the navigation screen and other menu screens.



1. Vehicle information display favorite

While on the navigation screen, highlight "ⓘ Vehicle Info" in the menu system and operate the joystick up/down to cycle which information display favorite is shown at the top of the display.

TIP

If Garmin Motorize is not connected, the vehicle information favorites cannot be cycled on the minimized display view but can be changed by navigating to "⚙ Machine Settings" → "Vehicle Info" in the menu system.

To Reset information display items

1. Select "ⓘ Vehicle Info" in the menu system. (See page 6-11.)
2. Four arrows will appear around the icon and the uppermost display item on the left side will highlight blue and "Push ✔ to Reset" will appear below the "ⓘ". The display items can be selected using the joystick.
3. If the blue-highlighted item can be reset, the item value will flash and "Push ✔ to Reset" will be displayed. While flashing short press enter and a "Yes" / "No" request will appear. Select "Yes", and the item will reset.

TIP

If a display item cannot be reset, "Push ✔ to Reset" will grey out. The vehicle information display items can be reset using the "All Reset" function. (See page 6-24.)

Air temperature (AIR)

The air temperature is displayed from –9 °C (16 °F) to 50 °C (122 °F) in 1 °C (1 °F) increments. The displayed temperature may differ from the actual ambient temperature due to the vehicle temperature and other factors.

TIP

- "---" will be displayed if the detected temperature is lower than –9 °C (16 °F).
- "---" will be displayed if the detected temperature is higher than 50 °C (122 °F).

Coolant temperature (COOLANT)

The coolant temperature is displayed from –30 °C (–22 °F) to 116 °C (241 °F) in 1 °C (1 °F) increments.

TIP

- If the vehicle coolant temperature is below –30 °C (–22 °F) the coolant temperature display will read "–30".
- If the vehicle coolant temperature is too high the coolant temperature display will read "Hi".

Average speed (AVG SPEED)

Displays the average travelling speed since last reset.

Trip timer (TRIP TIME)

Displays engine running time.

Front/rear tire pressure (TIRE FRONT / TIRE REAR) (if equipped)

Displays the current tire pressures detected by the TPMS for the front and rear tires.

EWA22850

⚠ WARNING

The tire pressure displayed on the vehicle information display is intended for reference only, because it is affected by the temperature of tires while riding. For the pre-operation checks, always check and adjust the air pressure using an air pressure gauge on cold tires.

TIP

- When the vehicle power is turned on, the tire pressure will be shown as "---" until the vehicle starts moving.
- The tire pressure can be set to"kPa", "psi" or "kgf/cm^2" in the menu system. (See page 6-22.)

Average fuel consumption (AVG FUEL)

When using kilometers, the average fuel consumption display can be set to "km/L" or "L/100km" (see page 6-22). When using miles, the average fuel consumption is displayed in "MPG".

Instantaneous fuel consumption (INST FUEL)

When using kilometers, the instantaneous fuel consumption display can be set to "km/L" or "L/100km" (see page

6-22). When using miles, the instantaneous fuel consumption is displayed in “MPG”.

Odometer (ODO)
The odometer shows the total distance traveled by the vehicle.

TIP
ODO will lock at 999999 and cannot be reset.

Two tripmeters (TRIP 1 / TRIP 2)
TRIP 1 and TRIP 2 show the distance traveled since they were last set to zero.
TRIP 1 and TRIP 2 will reset to 0 and begin counting again after 9999.9 has been reached.

Estimated traveling range (RANGE)
The estimated distance that can be traveled with the remaining fuel under the current riding conditions is shown.

Fuel reserve tripmeter (TRIP F)
When the fuel tank reserve level has been reached, TRIP F automatically replaces RANGE and begins recording distance traveled from that point. After refueling and traveling some distance, TRIP F will automatically disappear.

EAU9614K

Pop-up menu system

1. Pop-up menu

The menu system for this vehicle is controlled with the joystick/home button on the left handlebar. (See page 6-2.)

To open the pop-up menu from the main display:
- Short press the home button “⌂”
- Operate the joystick left-right
- Short press enter “✔”

Menu system operation:
- Operate the joystick left-right-up-down to select and adjust menu items.

- Short press enter "✔" to execute a selection.
- Short press the home button "⮌⌂" button to return to the previous screen.
- Long press the home button "⮌⌂" button to close the menu system.
- Long press enter "✔" to mute/unmute all audio.

TIP

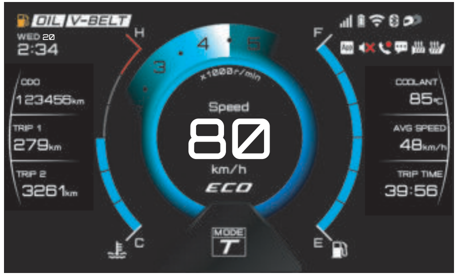
- When arrows appear "‹ˆ›" surrounding a menu icon, operating the joystick in the direction of the arrows will adjust the selected function.
- Some menu pages and items have a "<" / ">". If so, operate the joystick in the indicated direction to exit/enter the module.

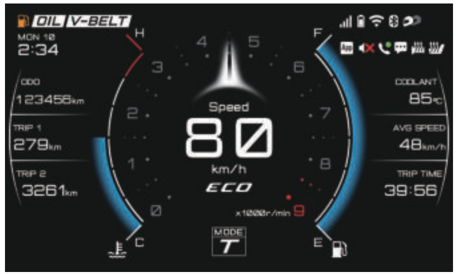
The pop-up menu is divided into the following main functions:

"Theme"	Select the visual theme of the display. (See page 6-12.)
"Vehicle Info"	Reset/cycle the vehicle information display items. (See page 6-13.)
"Audio"	Access simple pop-up audio player. (See page 6-13.)
"Applications"	Access the smartphone application menu. (See page 6-13.)
"Telephone" (if call active)	Open the telephone function for an active call. (See page 6-20.)
"Screen Adjust" (if equipped)	Move the windscreen up and down. (See page 6-20.)
"Grip Warmer" (if equipped)	Control the grip warmers. (See page 6-20.)
"Seat Heater" (if equipped)	Control the seat heater. (See page 6-20.)
"Machine Settings"	Adjust settings related to the vehicle's operation. (See page 6-21.)

"Theme"

The visual theme of the main display can be changed between three options. The changes are cosmetic only, the three themes function the same.





TIP

Each of the three themes has two variations which change when the drive mode is adjusted using the "MODE" switch. (See page 6-2.)

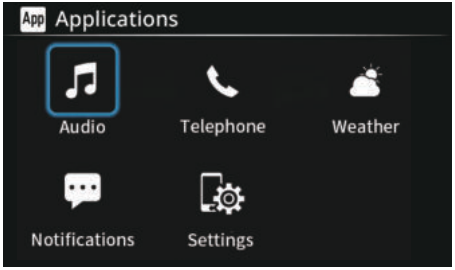
"Vehicle Info"

This function is used to reset/cycle individual vehicle information display items. (See page 6-8.)

"Audio"

This opens a simplified version of the audio player. A full audio player is available by navigating to "Applications" → "Audio". (See page 6-18.)
Operate the joystick up-down to adjust the volume. Operate the joystick left-right to skip to previous/next track. Short press enter "✔" to play/pause.

"Applications"



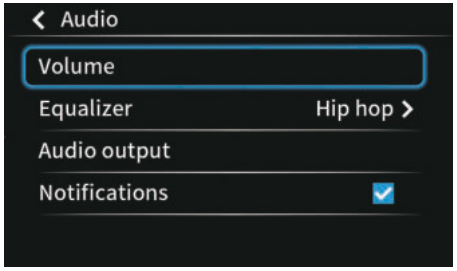
This menu contains functions and settings related to smartphones and Bluetooth headsets.

"Audio"	Full audio player
"Telephone"	Telephone function
"Weather"	Weather information function
"Notifications"	Smartphone notification function
"Settings"	CCU settings (audio / connections / system)

TIP

- The order of the icons can be organized using the Yamaha Motorcycle Connect app.
- Icons for applications that do not have the required CCU connection established will be grayed out.

"Applications" → "Settings" → "Audio"



This module controls volume levels for connected Bluetooth headsets. The "Notifications" option turns audio alerts for notifications on/off.

TIP

- The volume settings on the connected smartphone are not affected by setting changes in this module. If the volume is too high or low, try adjusting the volume settings on your smartphone and headset.

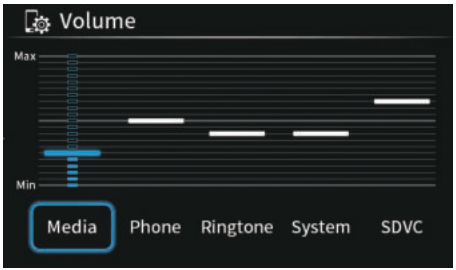
- The notification sounds and incoming call ringtones are determined by the smartphone settings.

"Applications" → "Settings" → "Audio" → "Volume"

EWA21430

WARNING

Keep volume levels low enough to maintain awareness of your surroundings and ensure safety.



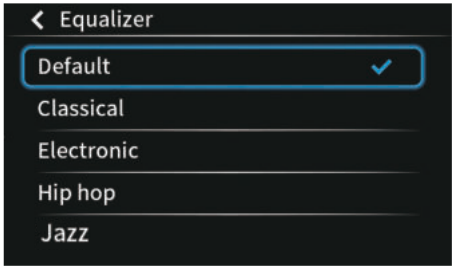
This module controls volume settings for individual functions:
"Media": Audio player volume. 20 levels.
"Phone": Phone call volume. 20 levels.

TIP

Phone call volume is also adjustable via the pop-up menu telephone function. (See page 5-8.)

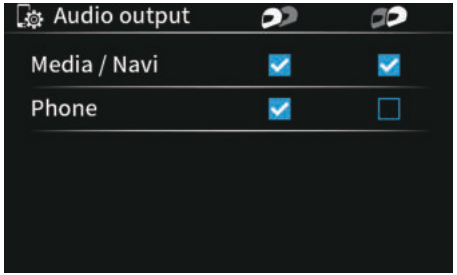
"Ringtone": Incoming call ringtone volume. 10 levels.
"System": Smartphone system volume. 10 levels.
"SDVC": Speed dependent volume control (SDVC) is a feature that automatically adjusts the volume based on vehicle speed in order to counteract road noise. Low / Mid / High / OFF.

"Applications" → "Settings" → "Audio" → "Equalizer"



Audio output can be adjusted between various equalizer presets. The preset audio levels can be adjusted with the joystick and confirmed by short pressing enter "✔". After modifying an existing preset, it is saved as "Custom".

"Applications" → "Settings" → "Audio" → "Audio output"



When a Bluetooth headset is connected, the headset icon "" / "" will appear on the top of the display. This

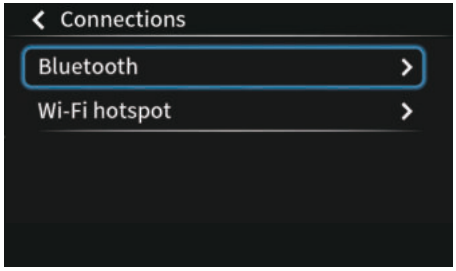
6

setting module changes the media/navigation and phone call audio between the "Rider headset" "" and "Passenger headset" "".

TIP

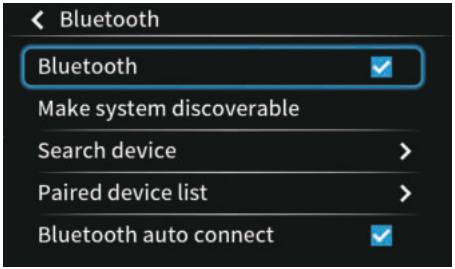
Only one headset can be selected for phone call audio at a time.

"Applications" → "Settings" → "Connections"



This module contains the connection settings for Bluetooth, Wi-Fi, and the Yamaha Motorcycle Connect app.

"Applications" → "Settings" → "Connections" → "Bluetooth"



This module controls Bluetooth connections to smartphones and headsets. For instructions on pairing / connecting Bluetooth devices. (See page 5-3, 5-6.)

TIP

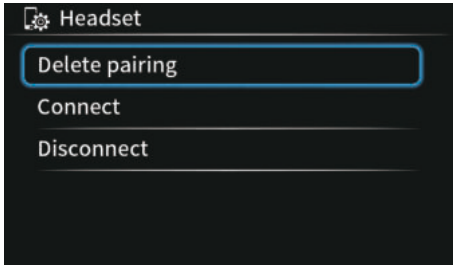
If "Bluetooth auto connect" is enabled, the CCU will automatically connect with any previously paired devices which are available. If "Bluetooth auto connect" is disabled, previously paired devices can be connected manually via the "Paired device list" module.

"Applications" → "Settings" → "Connections" → "Bluetooth" → "Paired device list"

This module contains lists of previously paired devices. When a device is connected, a blue check will appear next to the device name.

Sound from smartphones can be selected for audio and phone audio.

Bluetooth headsets can be switched between rider and passenger modes. Selecting a device name will display options for that device.



The selected device can be connected (if in range with Bluetooth active), disconnected, and the pairing record can be deleted.

TIP

- If a Bluetooth pairing record is deleted from the smartphone, then the corresponding pairing record must be deleted from the "Paired device list" in order to pair again.
  If a Bluetooth pairing record is deleted from the "Paired device list", then the corresponding pairing record must be deleted from the smartphone in order to pair it again.

"Applications" → "Settings" → "Connections" → "Wi-Fi hotspot"
This module controls Wi-Fi connections to smartphones. (See page 5-7.)

"Applications" → "Settings" → "System" → "System information"
This module displays the current system software version and allows updates via USB storage device.
Occasional software updates may be released for the CCU. Periodically check Yamaha's homepage for details.

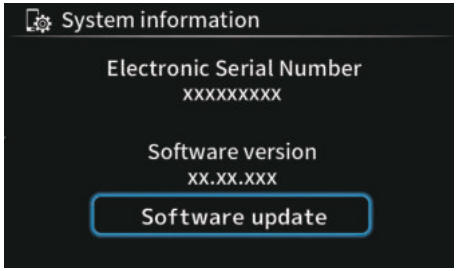
ECA27751

NOTICE

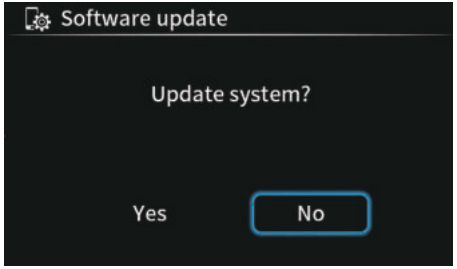
Keep the vehicle power on and do not disconnect the USB storage device until data transfer is complete.

To update system software:

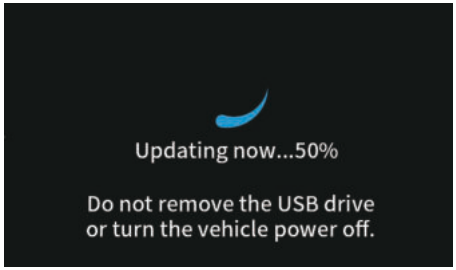
1. Visit the Yamaha homepage and download the latest software update to a USB storage device. Connect it to the USB jack located in the front storage compartment. (See page 6-38.)



2. Select "Software update".



3. Select "Yes" to start the software update. When the update is completed properly, "Completed." is displayed.



TIP

Do not turn the vehicle power off, remove the USB drive, or put the vehicle in motion until the update is completed.

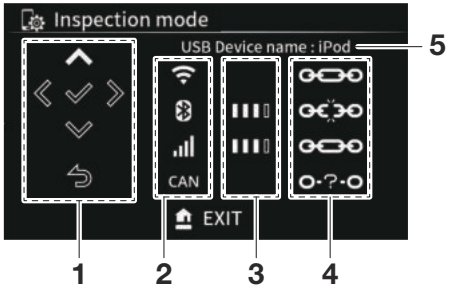
ECA27740

NOTICE

Take care to avoid damaging the USB jack.

"Applications" → "Settings" → "System" → "Inspection mode"

This module displays the status of CCU connections and the joystick/home button.



1. Joystick / Home button status
2. Type of connection
3. Signal strength
4. Connection status
5. Connected USB device name

The types of connection are:
: Wi-Fi
: Bluetooth
: Mobile network
CAN: CAN (controller area network: connection between the CCU and the multi-function meter)

The types of connection status are:
: Connected
: Disconnected
: Connection status unknown

TIP

This module can not be exited with short press the home button. Use Long press the home button to exit.

"Applications" → "Settings" → "System" → "Legal"

Third-party license agreements can be viewed here.

"Applications" → "Settings" → "System" → "All Reset"

Use this module to reset the CCU and all its related settings, pairings, and stored data.

TIP

- After a reset, the CCU will several minutes to reboot.
- Before selling or changing ownership of the vehicle, reset the CCU to ensure all personal data from your smartphone (i.e., call history and contact information) is deleted.

- After the CCU is reset, Bluetooth pairing records and Yamaha Motorcycle Connect app pairing records must be deleted from your smartphone. If this is not completed, the CCU will not be able to pair with the smartphone again.
- The CCU cannot be reset while the vehicle is in motion.

"App Applications" → "Audio"

1. Browse
2. Previous / Next track
3. Play / Pause
4. Repeat OFF / Repeat all / Repeat one
5. Shuffle
6. Volume level

Operate the joystick up-down to change the volume level. Operate the joystick left-right to select individual functions (Browse, Previous/Next track, Play/Pause, Repeat off/Repeat all/Repeat one) and short press enter "✔" to execute the selection.

All audio track information is imported from the music player application on your smartphone.

TIP

- Audio player applications may need to be already open on the connected smartphone.
- Depending on the smartphone and music player application, the audio player may start playing automatically and the "Audio" screen functions may not work.

"App Applications" → "Telephone"

If no call is active then a recent contact list will appear:

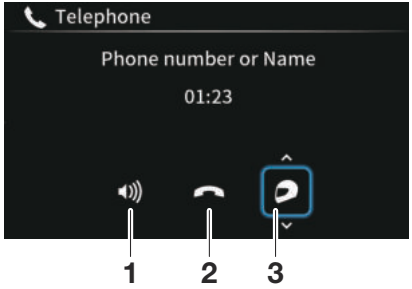
Recent call history is displayed. Short press enter "✔" to start a call with the selected contact.
: Outbound call (green arrow)
: Inbound missed call (red arrow)
: Inbound call (green arrow)

TIP

- Repeated calls for the same contact are indicated by the number next to the contact in brackets.
- The maximum number of stored items is 30; when the limit is

reached, older items will be deleted.

If a call is started by selecting a name/number from the list the following active call screen will appear:



1. Adjust call volume
2. End call
3. Switch call audio output between Bluetooth headset/smartphone device

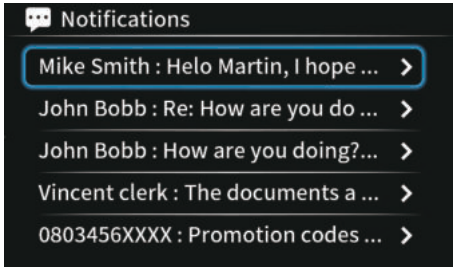
When the volume icon is highlighted, operate the joystick up-down to adjust the call volume.
Short press enter "✔" on the phone icon to end the call.

TIP

- Exiting this module with the home button will not end a call in progress. (See page 6-20.)

- Permission must be granted on the smartphone before contact information can be downloaded to the CCU.
- It takes some time to download contact information. If you receive a call before the download is complete, only the phone number will be displayed.

"Applications" → "Notifications"

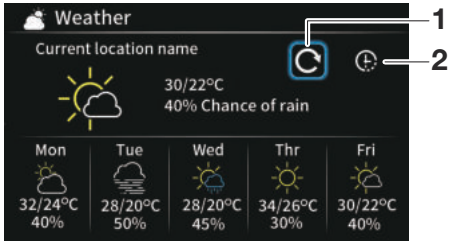


This is a list of notifications (since connection to vehicle) from the connected smartphone. Select one to read the notification message on the vehicle display. When a notification is received from the connected smartphone, the notification indicator icon "💬" will appear (see page 6-6). Select a notification by short pressing enter "✔" to view it.

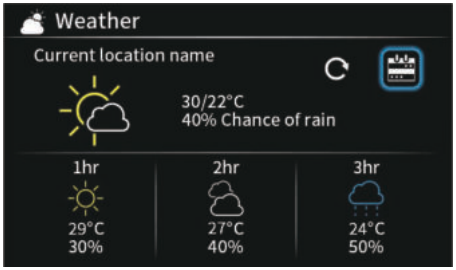
TIP

- After all new notifications have been viewed, the notification indicator icon "💬" will disappear.
- The maximum number of stored items is 100; when the limit is reached, older items will be deleted.
- If the message is too long then not all of it will be displayed.
- Messages cannot be opened and read while the vehicle is in motion.

"Applications" → "Weather"



1. Update icon
2. Hourly / Daily interval icon

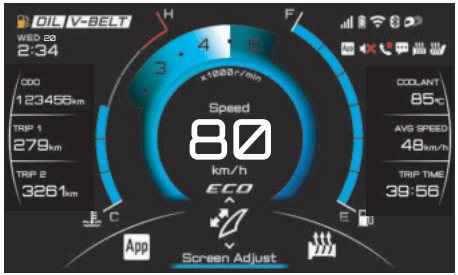


Weather information is shown here. Update the information from your smartphone using the update icon. Change the time interval of the display using the hourly/daily interval icon.

"Telephone"

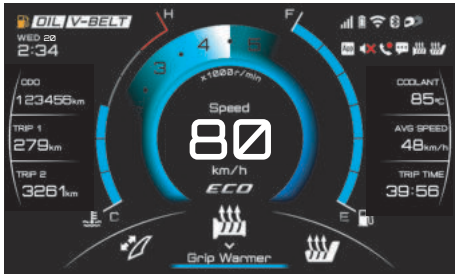
When there is an active call, this item will appear in the pop-up menu. Selecting it will open the telephone function at the bottom of the display. (See page 5-8.)

"Screen Adjust" (if equipped)



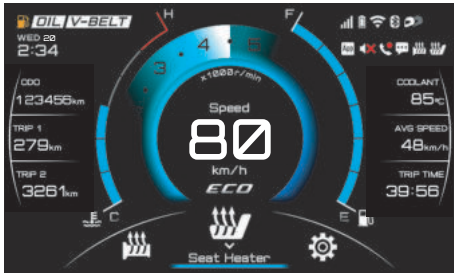
Operate the joystick up-down to adjust the windscreen height.

"Grip Warmer" (if equipped)



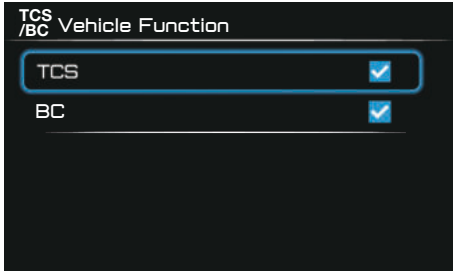
Operate the joystick up-down to cycle between grip warmer OFF and 3 presets which can be customized in "Machine Settings" → "Grip Warmer". (See page 6-23.)
The grip warmer icon on the top right of the display shows the currently selected grip warmer preset.

"Seat Heater" (if equipped)



Operate the joystick up-down to cycle between seat heater OFF and 3 presets which can be customized in "Machine Settings" → "Seat Heater". (See page 6-23.)
The seat heater icon on the top right of the display shows the currently selected seat heater preset.

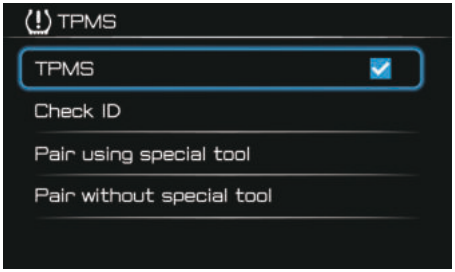
"⚙ Machine Settings" → "Vehicle Function"



The following systems can be turned on/off here:

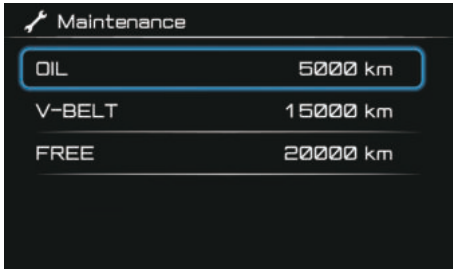
- Traction control system (See page 6-28.)
- Brake control system (See page 6-27.)

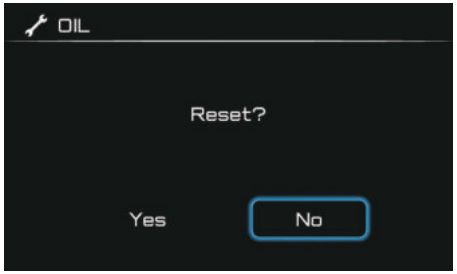
"⚙ Machine Settings" → "TPMS" (if equipped)



This module contains various options and settings for the TPMS (Tire Pressure Monitoring System). Check/uncheck the "TPMS" item to enable / disable the TPMS. When the TPMS is disabled, the tire pressure warning light will not come on / flash in any case and the tire pressure items on the vehicle information display will not be available. The other items in this menu ("Check ID", "Pair using special tool", "Pair without special tool") are for dealer usage only.

"⚙ Machine Settings" → "Maintenance"



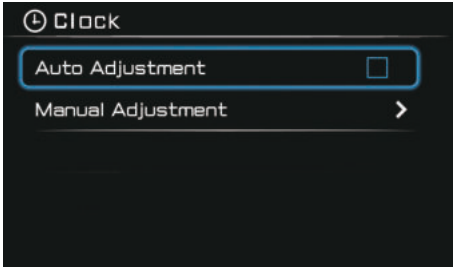


This module allows you to record distance traveled between engine oil changes "OIL", V-belt replacements "V-BELT", and one other maintenance item of your choice "FREE".
After maintenance to one of the items has been completed, select it by short pressing enter "✔" and reset it.

TIP

Resetting "OIL" / "V-BELT" turns off the Oil change / V-belt replacement indicator icons. (See page 6-6.)

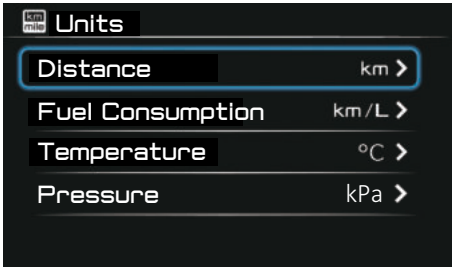
"⚙ Machine Settings" → "Clock"



The clock can be set to auto adjust in sync with a smartphone. Auto-adjustment requires a connection between the CCU and the Yamaha Motorcycle Connect app. (See page 5-1.)

To manually adjust the clock, highlight items by operating the joystick left-right. Operate the joystick up-down to adjust the value of the highlighted item. Short press enter "✔" to set the clock and return to the previous menu.

"⚙ Machine Settings" → "Units"



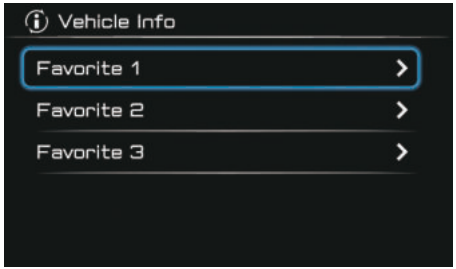
The display units can be customized as follows:

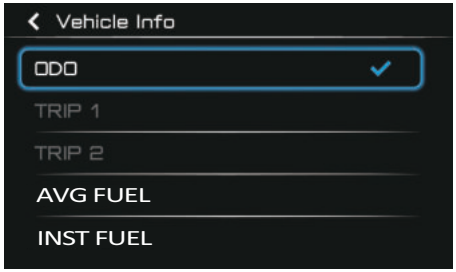
- "Distance": "km" or "mile"
- "Fuel Consumption": "km/L", "L/100km" or "MPG"
- "Temperature": "°C" or "°F"
- "Pressure" (if equipped): "kPa", "psi" or "kgf/cm²"

TIP

When "mile" is selected for the mileage unit, the fuel consumption unit is automatically changed to "MPG". At this time, the "Fuel Consumption" is grayed out and cannot be selected.

"⚙ Machine Settings" → "Vehicle Info"





The three vehicle information display favorites can be selected here. The favorited items will appear on the right-side vehicle information display. (See page 6-13.)

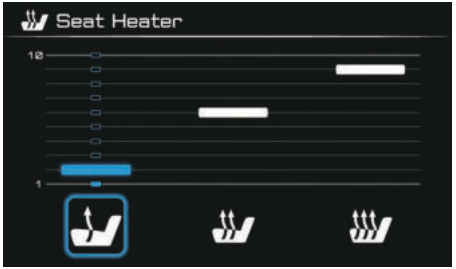
TIP

The favorites are also displayed one at a time at top of the screen while on the navigation and other menu screens. (See page 6-5.)

"⚙ Machine Settings" → "Grip Warmer" (if equipped)

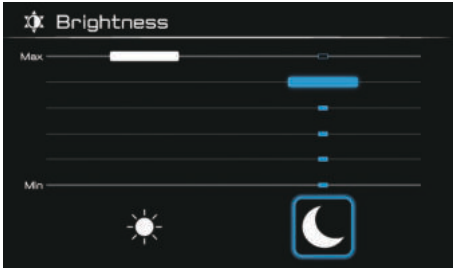
The three grip warmer presets can be customized here. Select a preset by operating the joystick left-right and adjust its heat level from 1-10 by operating the joystick up-down. Confirm the settings by short pressing enter "✔" and return to the previous menu.

"⚙ Machine Settings" → "Seat Heater" (if equipped)



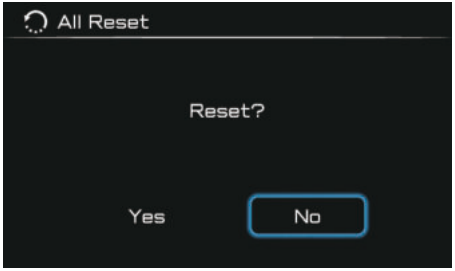
The three seat heater presets can be customized here. Select a preset by operating the joystick left-right and adjust its heat level from 1-10 by operating the joystick up-down. Confirm the settings by short pressing enter "✔" return to the previous menu.

"⚙ Machine Settings" → "Brightness"



The multi-function meter is equipped with a sensor to detect ambient lighting conditions and adjust the display between day/night presets. The preset brightness levels can be customized here.
Select a preset by operating the joystick left-right and adjust its brightness level from 1-6 by operating the joystick up-down. Confirm the settings by short pressing enter "✔" and return to the previous menu.

"⚙ Machine Settings" → "All Reset"



Use this module to reset all machine settings including display brightness, grip warmer / seat heater presets, traction control, units, and all resettable vehicle information display items.

TIP

This reset does not affect the CCU. To reset the CCU see page 6-17.

EAU95601

D-mode (drive mode)

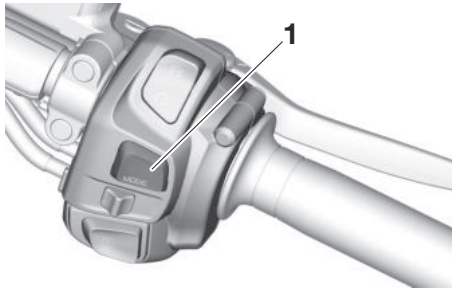
D-mode is an electronically controlled engine performance system with two mode selections (touring mode "T" and sports mode "S").

EWA18440

⚠ WARNING

Do not change the drive mode while the vehicle is moving.

With the throttle grip closed, push the drive mode switch "MODE" to switch between modes "S" (sports) and "T" (touring).



1. Drive mode switch "MODE"

TIP

- The current drive mode is shown in the drive mode display (page 6-5).

6

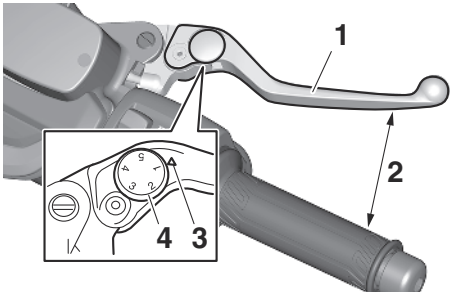
- The current drive mode is saved when the vehicle is turned off.
- D-mode cannot be changed while cruise control (XP560D) is activated.

Touring mode "T"
The touring mode "T" is suitable for various riding conditions.
This mode allows the rider to enjoy smooth drivability from the low-speed range to the high-speed range.

Sports mode "S"
This mode offers a sportier engine response in the low to mid-speed range compared to the touring mode.

EAU44916

Front brake lever

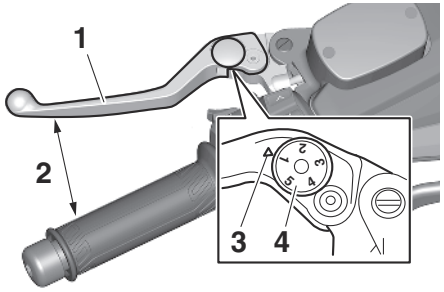


1. Front brake lever
2. Distance
3. Match mark
4. Brake lever position adjusting dial

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.
The front brake lever is equipped with a brake lever position adjusting dial. To adjust the distance between the front brake lever and the throttle grip, push the brake lever away from the throttle grip and rotate the adjusting dial. Make sure the setting number on the adjusting dial aligns with the match mark on the brake lever.

EAU44926

Rear brake lever

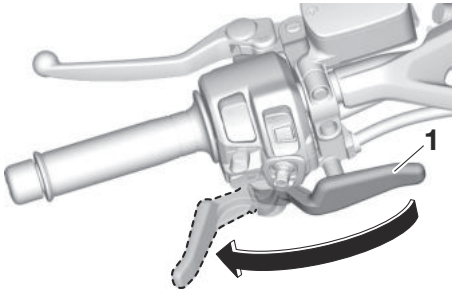


1. Rear brake lever
2. Distance
3. Match mark
4. Brake lever position adjusting dial

The rear brake lever is located at the left handlebar grip. To apply the rear brake, pull this lever toward the handlebar grip.
The rear brake lever is equipped with a brake lever position adjusting dial. To adjust the distance between the rear brake lever and the handlebar grip, push the brake lever away from the handlebar grip and rotate the adjusting dial. Make sure the setting number on the adjusting dial aligns with the match mark on the brake lever.

EAU63230

Rear brake lock lever



1. Rear brake lock lever

This vehicle is equipped with a rear brake lock lever to prevent the rear wheel from moving while stopped at traffic signals, railroad crossings, etc.

To lock the rear wheel
Push the rear brake lock lever to the left until it snaps into place.

To unlock the rear wheel
Push the rear brake lock lever back to the original position.

TIP

Be sure to check that the rear wheel does not move when the rear brake lock lever is applied.

EWA12362

⚠ WARNING

Never move the rear brake lock lever to the left while the vehicle is moving, otherwise loss of control or an accident may result. Make sure that the vehicle is stopped before moving the rear brake lock lever to the left.

EAU65583

Anti-lock brake system (ABS)

This model's ABS features a dual electronic control system, which acts on the front and rear brakes independently.

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

EWA16051

⚠ WARNING

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

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

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

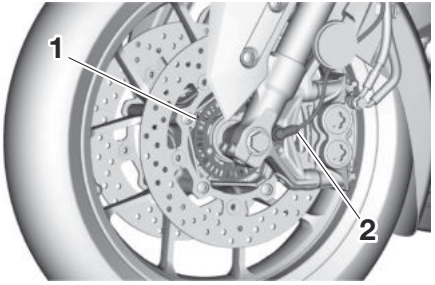
TIP

- The ABS performs a self-diagnostic test each time the vehicle is turned on and travels at a speed of 10 km/h (6 mi/h) or higher. During this test, a clicking noise can be heard and if either brake lever is even slightly applied, a vibration can be felt at the lever, but this does not indicate a malfunction.
- This ABS has a test mode which allows the owner to experience the pulsation at the brake levers when the ABS is operating. However, special tools are required, so please consult your Yamaha dealer.

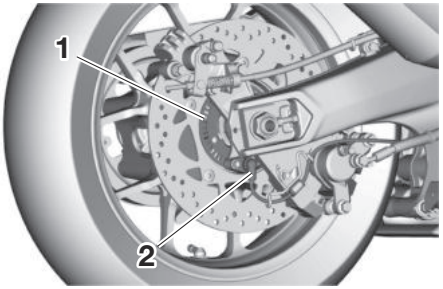
ECA20100

NOTICE

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



1. Front wheel sensor rotor
2. Front wheel sensor



1. Rear wheel sensor rotor
2. Rear wheel sensor

EAUA4151

BC (Brake control system)

BC regulates hydraulic brake pressure for the front and rear wheels when the brakes are applied. This system has two settings:

- OFF: Only the standard ABS (anti-lock brake system), which adjusts brake pressure based on vehicle speed and wheel speed data. The standard ABS (anti-lock brake system) designed to engage and maximize braking when the vehicle is upright.
- ON: ABS (Anti-lock brake system) and cornering assist braking are both active. In addition to the standard ABS, it suppresses the increase in brake pressure when unavoidable abrupt braking occurs during cornering, making the vehicle's recovery to upright position more gradual. Also, additional data from the IMU regulates applied brake power depending on lean angle in order to increase the feeling of stability and to suppress wheel lock.

TIP

For skilled riders a variety of conditions may cause BC to brake faster than expected for a desired cornering speed or intended cornering line.

EWA22532

⚠ WARNING

- **Even with BC ON, strong braking during cornering may result in wheel slippage and loss of balance. Please decelerate sufficiently before entering corners.**
- **Do not use BC on roads other than public roads, as BC may not operate properly and an accident may result.**

ECA28740

NOTICE

When turning the main switch on, avoid any movement or vibration of the vehicle as it may interfere with the initialization of the IMU. If this occurs, the brake control system will not operate and the BC indicator "BC" will come on until the IMU can initialize.

EAU95623

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

1. Traction control system indicator light "TCS"

When the vehicle is turned on, traction control is automatically turned on.
To turn the traction control system off, see page 6-21.

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 9-18.) 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.

EAU13222

Fuel

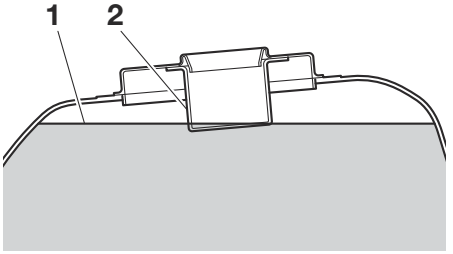
Make sure there is sufficient gasoline in the tank.

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. When refueling, be sure to insert the pump nozzle into the fuel tank filler hole. 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.



1. Maximum fuel level
2. Fuel tank filler tube

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.

EAU86081

Your Yamaha engine was designed to use unleaded gasoline with a research octane number of 95 or higher. If engine knocking or pinging occurs, use a gasoline of a different brand or higher octane rating.

Recommended fuel:
Unleaded gasoline (E10 acceptable)
Octane number (RON):
95
Fuel tank capacity:
15 L (4.0 US gal, 3.3 Imp.gal)
Fuel tank reserve:
2.7 L (0.71 US gal, 0.59 Imp.gal)

Gasohol

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 10% (E10). Gasohol containing methanol is not recommended by Yamaha because it can cause damage to the fuel system or vehicle performance problems.

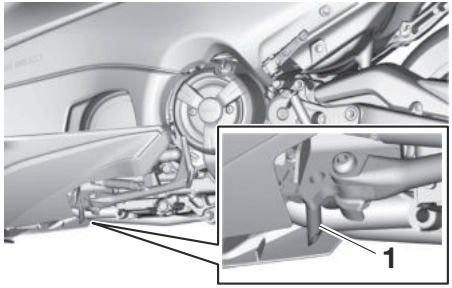
ECA11401

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.

EAU80201

Fuel tank overflow hose



1. Fuel tank overflow hose

Before operating the vehicle:

- Check the fuel tank overflow hose connection.
- Check the fuel tank overflow hose for cracks or damage, and replace it if necessary.
- Make sure that the end of the fuel tank overflow hose is not blocked, and clean it if necessary.
- Make sure that the end of the fuel tank overflow hose is positioned as shown.

TIP

See page 9-11 for canister information.

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.**

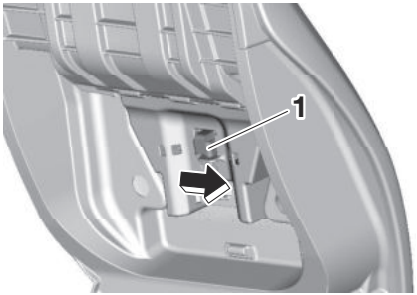
EAU95992

Adjusting the rider backrest

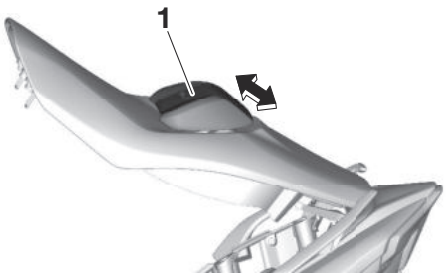
The rider backrest can be adjusted to three different positions (forward/mid/back).

Adjust the backrest as follows:

1. Open the seat. (See page 4-17.)
2. Hold down the lever and slide it forward or backward.



1. Lever



1. Rider backrest

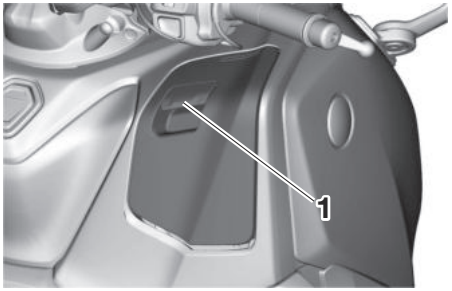
3. Close the seat.

EAU95885

Storage compartments

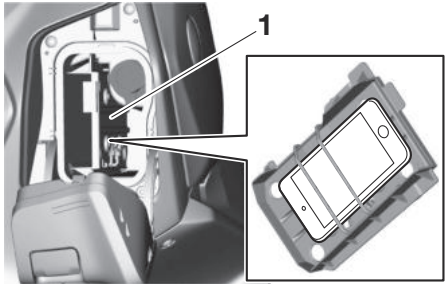
Front storage compartment

Pull the latch to open the storage compartment lid.



1. Latch

The front storage compartment is equipped with a smartphone holder.



1. Smartphone holder

To close the storage compartment, push the lid into the original position.

ECA27722

NOTICE

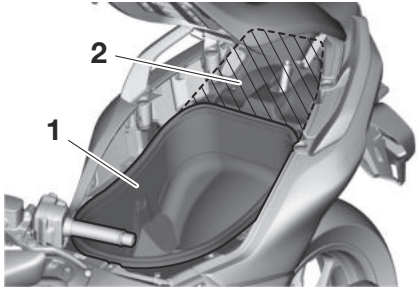
- **The storage compartment accumulates heat when exposed to the sun. Do not store smartphones or anything else susceptible to heat damage, consumables or flammable items inside the compartment. Smartphones may not work properly when exposed to excessive heat.**
- **To protect your smartphone from damage while it is in the storage compartment: Do not put metal items, tools, or sharply edged items directly in the storage compartment. If these items must be stored, wrap them in appropriate cushioning material.**
- **Yamaha shall not be liable for any damage incurred to smartphone devices.**
- **Note the L/R markings on the smartphone holder and make sure it is oriented properly when installing it in its slot.**

Rear storage compartment

The rear storage compartment is under the seat. (See page 4-17.)

This storage compartment was designed to hold one full-faced helmet or a laptop computer/case of similar size.

NOTICE: **The shaded area is not a storage compartment. To prevent damaging the seat hinges, do not place any items in this area.**[ECA16092]



1. Rear storage compartment
2. Shaded area

TIP

- The box light in the storage compartment turns on when the seat is opened and turns off after two minutes.
- Some helmets cannot be stored in the rear storage compartment because of their size or shape.
- Do not leave the vehicle unattended with the seat open.
- Do not place the smart key inside a storage compartment. It may get locked inside and the smart key system not operate normally.

ECA27730

NOTICE

- **Since the storage compartment may get wet when washing the vehicle, wrap any articles stored in the compartment in a plastic bag.**
- **To avoid humidity from spreading through the storage compartment and to discourage possible mold growth, wrap wet articles in a plastic bag before storing them in the compartment.**
- **Do not keep anything valuable or breakable in the storage compartment.**
- **Since the storage compartment accumulates heat from the engine and from direct sunlight, do not store anything susceptible to heat, such as food or flammable items, inside the compartment.**

EWA20960

⚠ WARNING

- **Do not exceed the load limit of 1.0 kg (2 lb) for the front storage compartment.**
- **Do not exceed the load limit of 5.0 kg (11 lb) for the rear storage compartment.**
- **Do not exceed the maximum load of 194 kg (428 lb) (XP560D) 196 kg (432 lb) (XP560) for the vehicle.**

EWA23000

⚠ WARNING

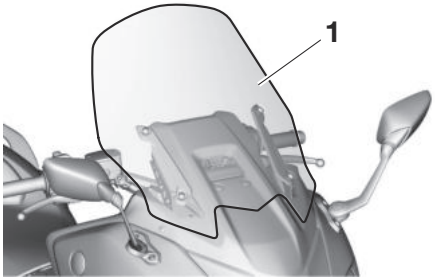
This seat stopper contains highly pressurized nitrogen gas. Read and understand the following information before handling the seat stopper.

- **Do not tamper with or attempt to disassemble the seat stopper.**
- **Do not subject the seat stopper to open flames or other high-heat sources; as this may cause the unit to explode due to excessive gas pressure.**
- **Do not deform or damage the seat stopper in any way. Any damage will result in operation.**
- **Do not dispose of a damaged or worn-out seat stopper yourself. Have a Yamaha dealer perform any service on the seat stopper.**

EAU96202

Windscreen (XP560)

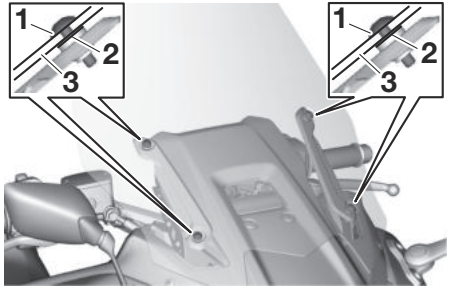
The windscreen height can be changed to one of two positions.



1. Windscreen

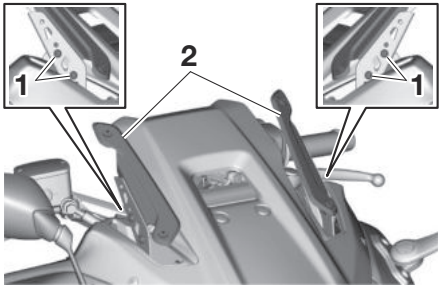
To change the windscreen height to the high position

1. Remove the windscreen by removing the bolts.



1. Bolt
2. Washer
3. Windscreen

2. Remove the bracket by removing the bolts.

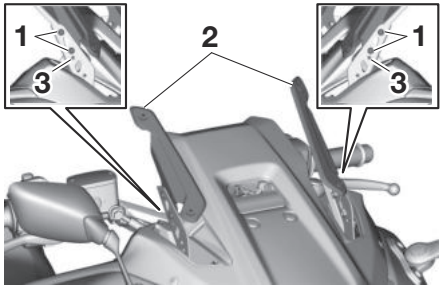


1. Bolt
2. Bracket

3. Install the bracket to the high position by installing the bolts, and then tighten the bolts to the specified torque. **WARNING! A loose windscreen could cause an accident. Be sure to tighten the screws to the specified torque.** [EWA21590]

TIP

Make sure the projection is inserted in the hole.

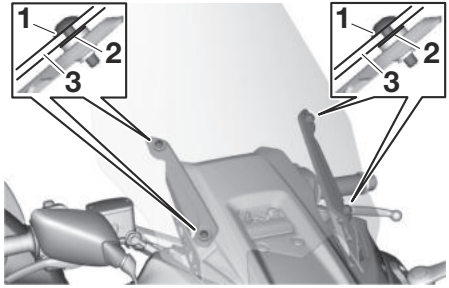


1. Bolt
2. Bracket
3. Projection / Hole

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

4. Install the windscreen by installing the bolts, and then tighten the bolts to the specified torque. **WARNING! A loose windscreen could cause an accident. Be sure to tighten the screws to the specified torque.** [EWA21590]

6



1. Bolt
2. Washer
3. Windscreen

Tightening torque:
Windscreen bolt:
0.8 N·m (0.08 kgf·m, 0.59 lb·ft)

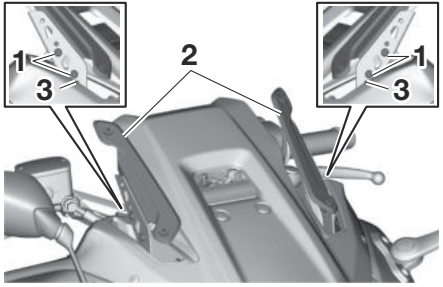
To change the windscreen height to the low position

1. Remove the windscreen by removing the bolts.
2. Remove the bracket by removing the bolts.
3. Install the bracket to the low position by installing the bolts, and then tighten the bolts to the specified torque. **WARNING! A loose windscreen could cause an accident. Be sure to tighten the screws to the specified torque.**

[EWA21590]

TIP

Make sure the projection is inserted in the hole.



1. Bolt
2. Bracket
3. Projection / Hole

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

4. Install the windscreen to the low position by installing the bolts, and then tighten the bolts to the specified torque. **WARNING! A loose windscreen could cause an accident. Be sure to tighten the screws to the specified torque.**

[EWA21590]

Tightening torque:
Windscreen bolt:
0.8 N·m (0.08 kgf·m, 0.59 lb·ft)

EAU39672

Rear view mirrors

The rear view mirrors of this vehicle can be folded forward or backward for parking in narrow spaces. Fold the mirrors back to their original position before riding.

1. Riding position
2. Parking position

EWA14372

⚠ WARNING

Be sure to fold the rear view mirrors back to their original position before riding.

EAU77585

Shock absorber assembly

EWA10222

⚠ WARNING

This shock absorber assembly contains highly pressurized nitrogen gas. Read and understand the following information before handling the shock absorber assembly.

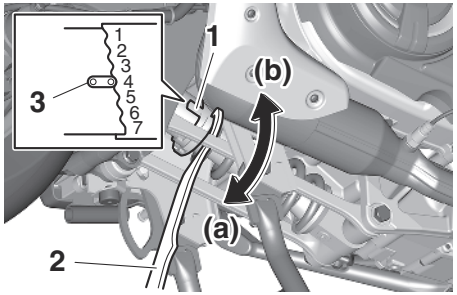
- **Do not tamper with or attempt to open the cylinder assembly.**
- **Do not subject the shock absorber assembly to an open flame or other high heat source. This may cause the unit to explode due to excessive gas pressure.**
- **Do not deform or damage the cylinder in any way. Cylinder damage will result in poor damping performance.**
- **Do not dispose of a damaged or worn-out shock absorber assembly yourself. Take the shock absorber assembly to a Yamaha dealer for any service.**

XP560D

This model is equipped with adjustable suspension. The spring preload and rebound damping force can be adjusted.

Spring preload

Turn the adjusting ring in direction (a) to increase the spring preload.
Turn the adjusting ring in direction (b) to decrease the spring preload.



1. Spring preload adjusting ring
2. Special wrench
3. Position indicator

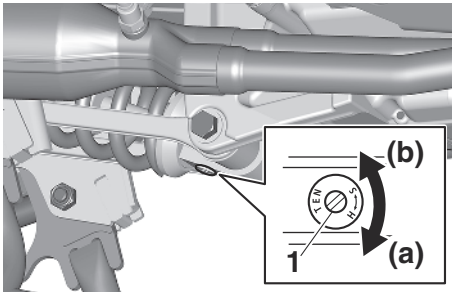
- Align the appropriate notch in the adjusting ring with the position indicator on the shock absorber.

- Use the special wrench included in the tool kit to make the adjustment.

Spring preload setting:
Minimum (soft):
7
Standard:
4
Maximum (hard):
1

Rebound damping force

Turn the adjusting screw in direction (a) to increase the rebound damping force.
Turn the adjusting screw in direction (b) to decrease the rebound damping force.
To set the rebound damping force, turn the adjuster in direction (a) until it stops, and then count the turns in direction (b).



1. Rebound damping force adjusting screw

Rebound damping setting:
Minimum (soft):
2.5 turn(s) in direction (b)
Standard:
1.5 turn(s) in direction (b)
Maximum (hard):
0 turn(s) in direction (b)

TIP

When turning the damping force adjuster in direction (b), it may turn beyond the stated specifications, however such adjustments are ineffective and may damage the suspension.

ECA10102

NOTICE

To avoid damaging the mechanism, do not attempt to turn beyond the maximum or minimum settings.

EAU70642

DC connectors

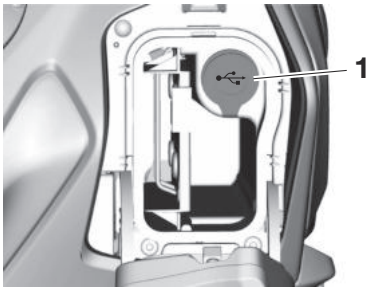
This vehicle is equipped with additional wiring and DC connector(s) for the installation of optional electric accessories.

Consult a Yamaha dealer for more information regarding the location and capacity of the DC connector(s) and about what accessories are capable of being installed.

EAU96891

USB Type-A jack

This model is equipped with a 5 V USB type-A jack. The USB type-A jack is located in the front storage compartment and can be used to connect to a smartphone when the vehicle is powered on.



1. USB Type-A jack

TIP

Under some conditions, the device battery level may drop even while the USB is plugged in.

ECA28690

NOTICE

- **To protect the USB Type-A jack from water and collisions, install the cap when the jack is not being used.**
- **To prevent damage, avoid applying excessive force when opening and closing the USB jack cap.**
- **Ensure the USB jack cap is properly installed and do not use the USB Type-A jack when it rains or when washing the vehicle. If the USB Type-A jack gets wet, please dry it with the vehicle turned off before using it.**
- **Do not put tension or apply force to cables attached to the USB Type-A jack as it may cause damage.**

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.

EAUA4950

Ignition circuit cut-off system

The ignition circuit cut-off system (comprising the sidestand switch and brake light switches) has the following functions.

- It prevents starting when the sidestand is up, but neither brake is applied.
- It prevents starting when either brake is applied, but the sidestand is still down.
- It cuts the running engine when the sidestand is moved down.

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

EAUA4960

With the engine turned off:
1. Move the sidestand down.
2. Make sure that the engine stop switch is turned on.
3. Turn the vehicle power on.
4. Keep the front or rear brake applied.
5. Push the "ON" switch.
Does the engine start?

NO **YES**

With the engine still off:
6. Move the sidestand up.
7. Keep the front or rear brake applied.
8. Push the "ON" switch.
Does the engine start?

YES **NO**

With the engine still running:
9. Move the sidestand down.
Does the engine stall?

YES **NO**

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

The sidestand switch may not be working correctly. **The scooter should not be ridden** until checked by a Yamaha dealer.

The brake switch may not be working correctly. **The scooter should not be ridden** until checked by a Yamaha dealer.

The sidestand switch may not be working correctly. **The scooter should not be ridden** until checked by a Yamaha dealer.

⚠ WARNING

- **The vehicle must be placed on the center-stand during this inspection.**
- **If a malfunction is noted, have a Yamaha dealer check the system before riding.**

6

For your safety – pre-operation checks

EAU1559B

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

EWA11152

⚠ WARNING

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

Before using this vehicle, check the following points:

ITEM	CHECKS	PAGE
Fuel	• Check fuel level in fuel tank. • Refuel if necessary. • Check fuel line for leakage. • Check fuel tank overflow hose for obstructions, cracks or damage, and check hose connection.	6-29, 6-30
Engine oil	• Check oil level in engine. • If necessary, add recommended oil to specified level. • Check vehicle for oil leakage.	9-11
Coolant	• Check coolant level in reservoir. • If necessary, add recommended coolant to specified level. • Check cooling system for leakage.	9-14
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.	9-21, 9-23, 9-24

ITEM	CHECKS	PAGE
Rear brake	• Check operation. • If soft or spongy, have Yamaha dealer bleed hydraulic system. • Check brake pads for wear. • Replace if necessary. • Check fluid level in reservoir. • If necessary, add specified brake fluid to specified level. • Check hydraulic system for leakage.	9-21, 9-23, 9-24
Throttle grip	• Check for smooth rotation and automatic return.	9-27
Wheels and tires	• Check for damage. • Check tire condition and tread depth. • Check air pressure. • Correct if necessary.	9-18, 9-20
Brake levers	• Make sure that operation is smooth. • Lubricate lever pivoting points if necessary.	9-27
Centerstand, sidestand	• Make sure that operation is smooth. • Lubricate pivots if necessary.	9-28
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.	6-39
Drive belt	• Check belt condition. • Replace if damaged.	9-25

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.

EAU16842

Engine break-in

There is never a more important period in the life of your engine than the period between 0 and 1600 km (1000 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 1600 km (1000 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.

EAU36533

0–1000 km (0–600 mi)

Avoid prolonged operation above 4200 r/min. ***NOTICE:*** **After 1000 km (600 mi) of operation, the engine oil must be changed, and the oil filter cartridge or element replaced.**[ECA11283]

1000–1600 km (600–1000 mi)

Avoid prolonged operation above 5000 r/min.

1600 km (1000 mi) and beyond

The vehicle can now be operated normally.

ECA10311

NOTICE

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

EAU95912

Starting the engine

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

To start the engine

1. With the smart key turned on, approach the vehicle.
2. Push the "⏻/LOCK" section of the center switch and set the engine stop switch to the run position.
   Upon authentication of the smart key, the beeper will sound twice and the centerstand and steering locks (if applied) will be released.
3. Confirm the indicator and warning light(s) come on for a few seconds, and then go off. (See page 6-3.)

TIP

- For XP560D: When the vehicle power is off, push and hold the "ON" switch to turn the vehicle power on and also start the engine.
- Do not start the engine if the engine trouble warning light remains on.
- The ABS warning light should come on and stay on until the vehicle reaches a speed of 10 km/h (6 mi/h).

ECA24110

NOTICE

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

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

ECA11043

NOTICE

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

EAU68221

TIP

This model is equipped with:

- an inertial measurement unit (IMU). This unit stops the engine in case of a turnover. Turn the main switch off and then on before attempting to restart the engine. Failing to do so will prevent the engine from starting even though the engine will crank when pushing the start switch.
- an engine auto-stop system. The engine stops automatically if left idling for 20 minutes. If the engine stops, simply push the start switch to restart the engine.

EAUN0073

ECAN0072

NOTICE

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

EAU45093

Starting off

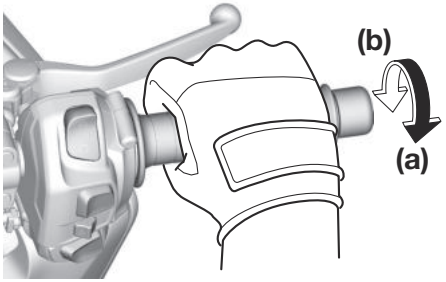
1. While pulling the rear brake lever with your left hand and holding the grab bar with your right hand, push the scooter off the centerstand.

1. Grab bar

2. Sit astride the seat, and then adjust the rear view mirrors.
3. Switch the turn signals on.
4. Check for oncoming traffic, and then slowly turn the throttle grip (on the right) in order to take off.
5. Switch the turn signals off.

EAU16783

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).

ECA12682

NOTICE

- **Use the brake when stopping on an uphill slope. Holding the vehicle at a stop with throttle operation will cause the clutch to heat up, causing damage to the clutch.**
- **Do not rev the throttle unnecessarily, otherwise the malfunction indicator light (MIL)/engine**

trouble warning light may come on.

EAU60650

Braking

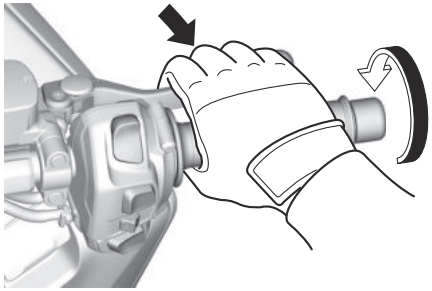
EWA17790

⚠ WARNING

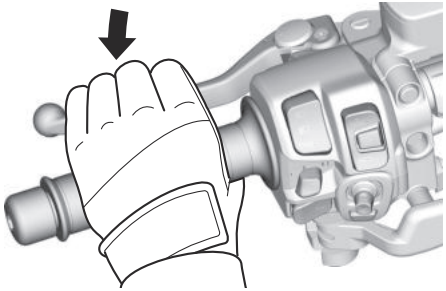
- **Avoid braking hard or suddenly (especially when leaning over to one side), otherwise the vehicle may skid or overturn.**
- **Railroad crossings, streetcar rails, iron plates on road construction sites, and manhole covers become extremely slippery when wet. Therefore, slow down when approaching such 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.

Front



Rear



EAU16821

Tips for reducing fuel consumption

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).

EAU77962

Parking

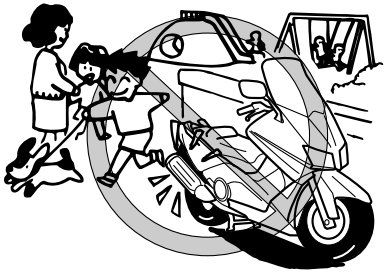
When parking, turn the vehicle power off and then turn the smart key off.

If the sidestand is lowered when the engine is running, the engine will stop and the beeper will sound to prevent you from forgetting to turn off the vehicle power. To stop the beeper, turn the vehicle power off or raise the sidestand.

When leaving the vehicle, make sure you apply the steering lock and centerstand lock. Take the smart key with you.

TIP

- After parking, if the smart key is not turned off and is within operating range, other people may be able to start the engine and operate the vehicle.
- The sidestand alarm beeper can be set to not activate. Contact your Yamaha dealer.



EWA10312

⚠ WARNING

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

- **Do not park near grass or other flammable materials which might catch fire.**

EAU17246

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

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

EWA10322

⚠ WARNING

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

EWA15123

⚠ WARNING

Turn off the engine when performing maintenance unless otherwise specified.

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

EWA15461

⚠ WARNING

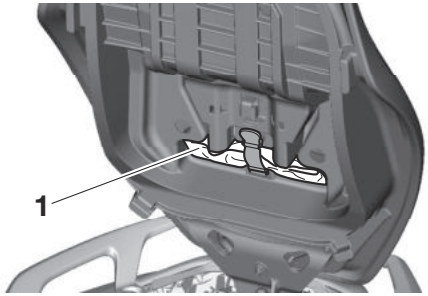
Brake discs, calipers, drums, and linings can become very hot during use. To avoid possible burns, let brake components cool before touching them.

EAU17303

Emission controls not only function to ensure cleaner air, but are also vital to proper engine operation and maximum performance. In the following periodic maintenance charts, the services related to emissions control are grouped separately. These services require specialized data, knowledge, and equipment. Maintenance, replacement, or repair of the emission control devices and systems may be performed by any repair establishment or individual that is certified (if applicable). Yamaha dealers are trained and equipped to perform these particular services.

EAU85230

Tool kit



1. Tool kit

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

TIP

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

EAU91891

TIP

- **The annual checks must be performed every year, except if a kilometer-based maintenance is performed instead.**
- For 31000 km or 30 months, repeat the maintenance intervals starting from 7000 km or 6 months.
- Items marked with an asterisk require special tools, data and technical skills, have a Yamaha dealer perform the service.

EAU91902

Periodic maintenance chart for the emission control system

No.		ITEM	ROUTINE	INITIAL	ODOMETER READINGS				ANNUAL CHECK
				1000 km or 1 month	7000 km or 6 months	13000 km or 12 months	19000 km or 18 months	25000 km or 24 months	
1	*	**Fuel line**	• Check fuel hoses for cracks or damage. • Replace if necessary.		√	√	√	√	√
2	*	**Spark plugs**	• Check condition. • Adjust gap and clean.		√				
			• Replace.	Every 19000 km (12000 mi) or 18 months					
3	*	**Valve clearance**	• Check and adjust valve clearance when engine is cold.	Every 42000 km (26600 mi)					
4	*	**Fuel injection**	• Adjust synchronization.		√	√	√	√	√
5	*	**Exhaust system**	• Check for leakage. • Tighten if necessary. • Replace gasket(s) if necessary.		√	√	√	√	
6	*	**Evaporative emission control system**	• Check control system for damage. • Replace if necessary.	At 19000 km (12000 mi) and thereafter every 12000 km (8000 mi)					

EAU92131

General maintenance and lubrication chart

No.		ITEM	ROUTINE	INITIAL	ODOMETER READINGS				ANNUAL CHECK
				1000 km or 1 month	7000 km or 6 months	13000 km or 12 months	19000 km or 18 months	25000 km or 24 months	
1	*	**Diagnostic system check**	• Perform dynamic inspection using Yamaha diagnostic tool. • Check the error codes.	√	√	√	√	√	√
2	*	**Air filter element**	• Replace.	Every 19000 km (12000 mi)					
3	*	**Air filter case check hose**	• Clean.	√	√	√	√	√	
4	*	**V-belt case air filter elements**	• Clean.		√	√	√	√	
5	*	**Front brake**	• Check operation, fluid level, and for fluid leakage. • Replace brake pads if necessary.	√	√	√	√	√	√
6	*	**Rear brake**	• Check operation, fluid level, and for fluid leakage. • Replace brake pads if necessary.	√	√	√	√	√	√
7	*	**Brake hoses**	• Check for cracks or damage.		√	√	√	√	√
			• Replace.	Every 4 years					
8	*	**Brake fluid**	• Change.	Every 2 years					
9		**Rear brake lock cable**	• Check cable length. • Adjust if necessary.	√	√	√	√	√	
10	*	**Rear brake lock**	• Check operation. • Adjust.	√	√	√	√	√	√
11	*	**Wheels**	• Check runout and for damage. • Replace if necessary.		√	√	√	√	
12	*	**Tires**	• Check tread depth and for damage. • Replace if necessary. • Check air pressure. • Correct if necessary.		√	√	√	√	√

No.		ITEM	ROUTINE	INITIAL	ODOMETER READINGS				ANNUAL CHECK
				1000 km or 1 month	7000 km or 6 months	13000 km or 12 months	19000 km or 18 months	25000 km or 24 months	
13	*	**Wheel bearings**	• Check bearings for looseness or damage.		√	√	√	√	
14	*	**Drive belt**	• Check belt condition. • Replace if damaged. • Check belt tension. • Adjust if necessary.	√	√	√	√	√	
15	*	**Drive pulley and drive axle**	• Lubricate.	Every 19000 km (12000 mi)					
16	*	**Steering bearings**	• Check bearing assemblies for looseness.	√	√	√	√	√	
			• Moderately repack with lithium-soap-based grease.	Every 19000 km (12000 mi)					
17	*	**Chassis fasteners**	• Make sure that all nuts, bolts and screws are properly tightened.		√	√	√	√	√
18		**Front and rear brake lever pivot shaft**	• Lubricate with silicone grease.		√	√	√	√	√
19	*	**Sidestand, center-stand**	• Check operation. • Lubricate with lithium-soap-based grease.		√	√	√	√	√
20	*	**Sidestand switch**	• Check operation and replace if necessary.	√	√	√	√	√	√
21	*	**Front fork**	• Check operation and for oil leakage. • Replace if necessary.		√	√	√	√	
22	*	**Shock absorber assembly**	• Check operation and for oil leakage. • Replace if necessary.		√	√	√	√	
23	*	**Rear suspension link pivots**	• Check operation. • Correct if necessary.			√		√	

No.		ITEM	ROUTINE	INITIAL	ODOMETER READINGS				ANNUAL CHECK
				1000 km or 1 month	7000 km or 6 months	13000 km or 12 months	19000 km or 18 months	25000 km or 24 months	
24		**Engine oil**	• Change (warm engine before draining).	At the initial interval and when the oil change indicator flashes or comes on.					√
			• Check oil level and vehicle for oil leakage.	√	√	√	√	√	√
25		**Engine oil filter cartridge**	• Replace.	√	At 20000 km (12500 mi) and thereafter every 20000 km (12500 mi)				
26	*	**Cooling system**	• Check coolant level and vehicle for coolant leakage.		√	√	√	√	√
			• Change with Yamaha genuine coolant.	Every 3 years					
27	*	**V-belt**	• Replace.	When the V-belt replacement indicator flashes [every 20000 km (12000 mi)]					
28	*	**Front and rear brake switches**	• Check operation.	√	√	√	√	√	√
29	*	**Moving parts and cables**	• Lubricate.		√	√	√	√	√
30	*	**Throttle grip**	• Check operation. • Lubricate throttle grip housing tube guides.		√	√	√	√	√
31	*	**Lights, signals and switches**	• Check operation. • Adjust headlight beam.	√	√	√	√	√	√

EAU38264

TIP

Air filters

- The engine air filter uses a disposable oil-coated paper element. This element cannot be cleaned with compressed air, doing so will only damage it.

- If you often ride in the rain or in dusty areas, have the engine air filter and V-belt air filter elements serviced more frequently.

Hydraulic brake service

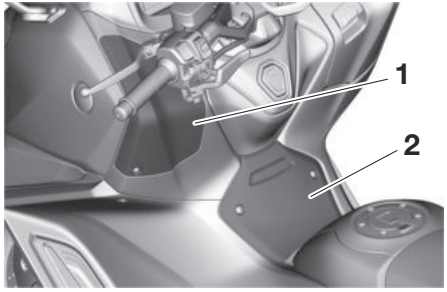
- Regularly check the brake fluid levels in the reservoirs, and refill as necessary.
- Replace the internal components of the brake master cylinders and calipers, and change the brake fluid every 2 years.
- Replace the brake hoses every 4 years, or sooner if cracked or damaged.

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



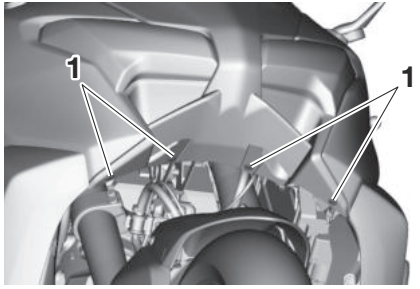
1. Panel B
2. Panel C

EAU95951

Panel A

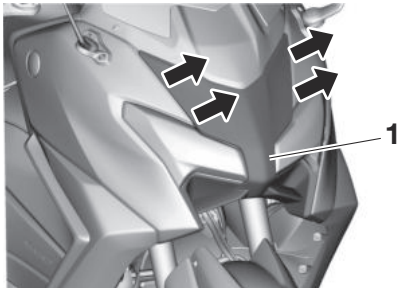
To remove the panel

1. Remove the quick fasteners.



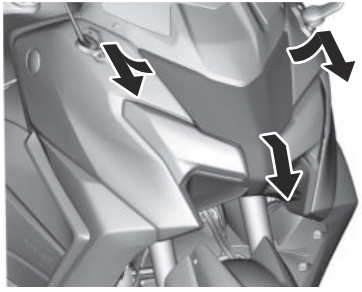
1. Quick fastener

2. Unhook the sides of the panel by pulling its upper left and right sides.

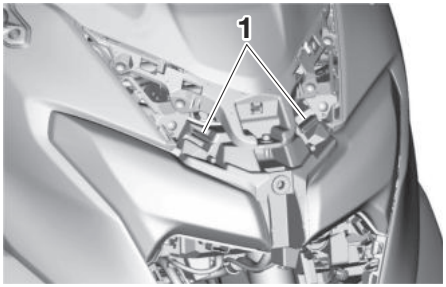


1. Panel A

3. Remove the panel as shown.



9



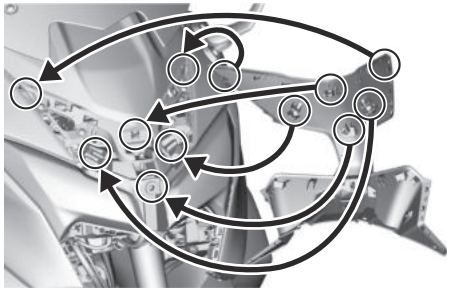
1. Rubber cap

TIP

After removing the panel, make sure that the rubber caps remain attached.

To install the panel

1. Insert the tabs on the upper left and right sides of the panel.
2. Align the center and lower projections and then push the panel into its original position.

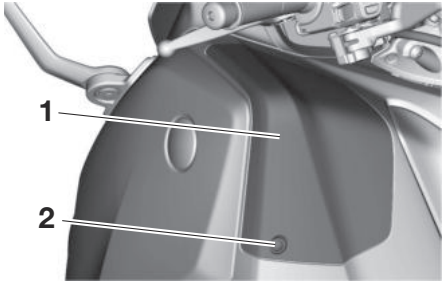


3. Install the quick fasteners.

Panel B

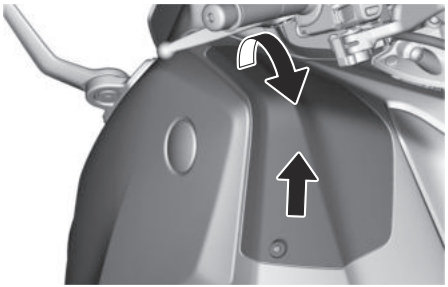
To remove the panel

1. Remove the screw.



1. Panel B
2. Screw

2. Gently pry up the upper portion of the panel, and then slide the panel upwards.



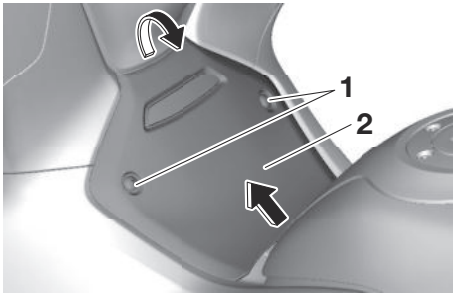
To install the panel

Place the panel in the original position, and then install the screw.

Panel C

To remove the panel

Remove the screws and then pull the upper portion of the panel outward, and then slide the panel upwards.



1. Screw
2. Panel C

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

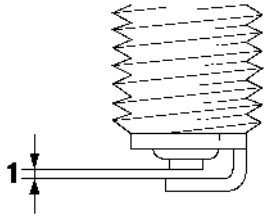
EAU19643

Checking the spark plugs

The spark plugs are important engine components, which should be checked periodically, preferably by a Yamaha dealer. Since heat and deposits will cause any spark plug to slowly erode, they should be removed and checked in accordance with the periodic maintenance and lubrication chart. In addition, the condition of the spark plugs can reveal the condition of the engine.
The porcelain insulator around the center electrode of each spark plug should be a medium-to-light tan (the ideal color when the vehicle is ridden normally), and all spark plugs installed in the engine should have the same color. If any 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.
If a spark plug shows signs of electrode erosion and excessive carbon or other deposits, it should be replaced.

Specified spark plug:
NGK/LMAR7G

Before installing a spark plug, the spark plug gap should be measured with a wire thickness gauge and, if necessary, adjusted to specification.



1. Spark plug gap

Spark plug gap:
0.7–0.8 mm (0.028–0.031 in)

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

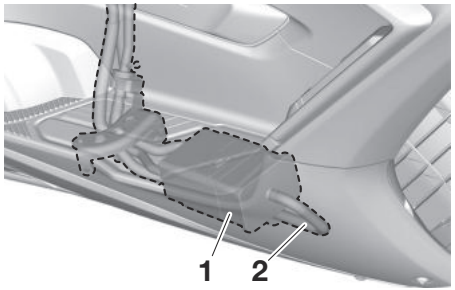
Tightening torque:
Spark plug:
13 N·m (1.3 kgf·m, 9.6 lb·ft)

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.

EAU36114

Canister



1. Canister
2. Canister breather

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.

EAU77365

Engine oil and oil filter cartridge

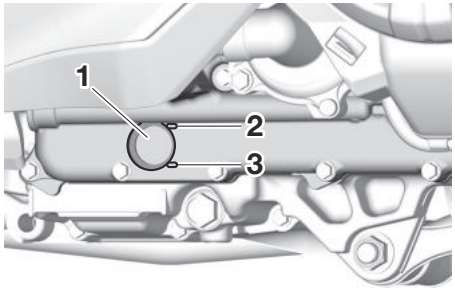
The engine oil level should be checked before each ride. In addition, the oil must be changed and the oil filter cartridge replaced at the intervals specified in the periodic maintenance and lubrication chart.

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 two minutes, and then turn it off.
3. Wait two minutes until the oil level settles.
4. Check the oil level through the check window located at the bottom-left side of the crankcase.

TIP

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

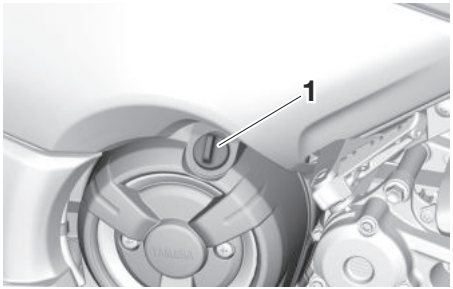


1. Engine oil level check window
2. Maximum level mark
3. Minimum level mark

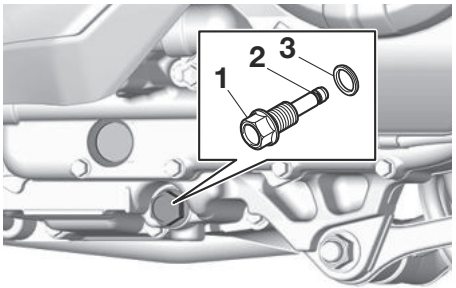
5. If the engine oil is below the minimum level mark, add sufficient oil of the recommended type to raise it to the correct level.

To change the engine oil (and replace the oil filter cartridge)

1. Place the vehicle on a level surface.
2. Start the engine, warm it up for several minutes, and then turn it off.
3. Place an oil pan under the engine to collect the used oil.
4. Remove the engine oil filler cap, and then the engine oil drain bolt and its gasket.



1. Engine oil filler cap



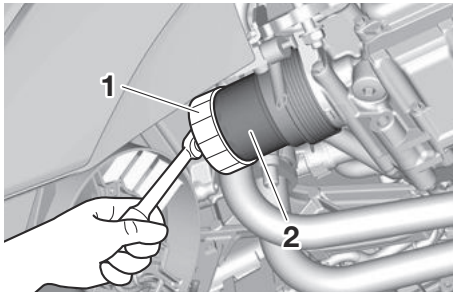
1. Engine oil drain bolt
2. O-ring
3. Gasket

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

TIP

Skip steps 6–8 if the oil filter cartridge is not being replaced.

6. Remove the oil filter cartridge with an oil filter wrench.

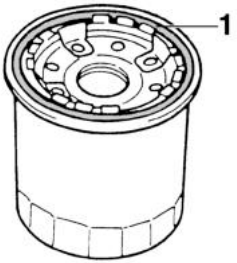


1. Oil filter wrench
2. Oil filter cartridge

TIP

An oil filter wrench is available at a Yamaha dealer.

7. Apply a thin coat of clean engine oil to the O-ring of the new oil filter cartridge.

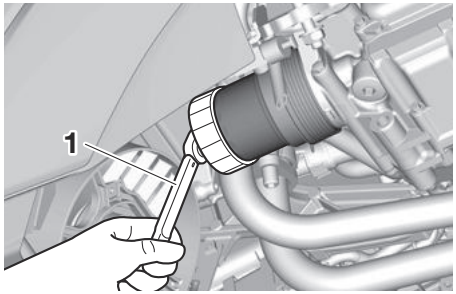


1. O-ring

TIP

Make sure that the O-ring is properly seated.

8. Install the new oil filter cartridge, and then tighten it to the specified torque with a torque wrench.



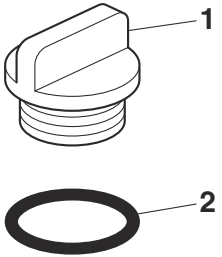
1. Torque wrench

Tightening torque:
Oil filter cartridge:
17 N·m (1.7 kgf·m, 13 lb·ft)

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

Tightening torque:
Engine oil drain bolt:
43 N·m (4.3 kgf·m, 32 lb·ft)

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



1. Engine oil filler cap
2. O-ring

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

Engine oil:
Recommended brand:
YAMALUBE
SAE viscosity grades:
10W-40
Recommended engine oil grade:
API service SG type or higher, JASO standard MA
Oil quantity:
Oil change:
2.60 L (2.75 US qt, 2.29 Imp.qt)
With oil filter removal:
2.90 L (3.07 US qt, 2.55 Imp.qt)

TIP

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

ECA11621

NOTICE

- **In order to prevent clutch slippage (since the engine oil also lubricates the clutch), do not mix any chemical additives. Do not use oils with a diesel specification of "CD" or oils of a higher quality than specified. In**

addition, do not use oils labeled "ENERGY CONSERVING II" or higher.

- **Make sure that no foreign material enters the crankcase.**

12. Start the engine, and then let it idle for several minutes while checking it for oil leakage. If oil is leaking, immediately turn the engine off and check for the cause.
13. Turn the engine off, and then check the oil level and correct it if necessary.
14. Reset the oil change indicator. (See page 6-6.)

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.

YAMALUBE®

EAU84230

Coolant

The coolant level should be checked regularly. In addition, the coolant must be changed at the intervals specified in the periodic maintenance chart.

Recommended coolant:
YAMAHA GENUINE COOLANT
Coolant quantity:
Coolant reservoir (max level mark):
0.25 L (0.26 US qt, 0.22 Imp.qt)
Radiator (including all routes):
1.50 L (1.59 US qt, 1.32 Imp.qt)

TIP

If genuine Yamaha coolant is not available, use an ethylene glycol antifreeze containing corrosion inhibitors for aluminum engines and mix with distilled water at a 1:1 ratio.

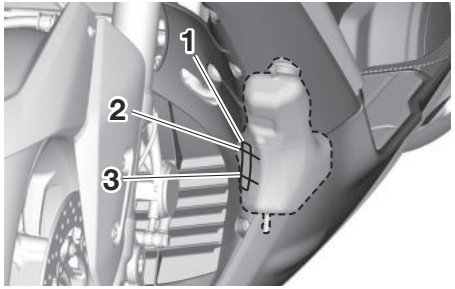
EAU95970

To check the coolant level

Since the coolant level varies with engine temperature, check when the engine is cold.

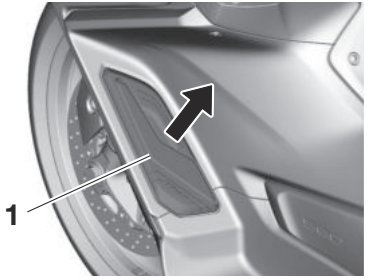
1. Park the vehicle on a level surface.
2. Hold the vehicle upright, or place it on the centerstand.

3. Look at the coolant level through the check window.



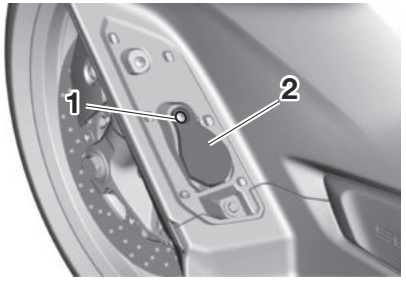
1. Coolant level check window
2. Maximum level mark
3. Minimum level mark

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



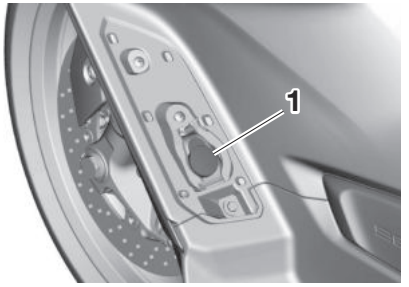
1. Floorboard mat

5. Remove the coolant reservoir cover by removing the screw.



1. Screw
2. Coolant reservoir cover

6. Remove the coolant reservoir cap. **WARNING! Remove only the coolant reservoir cap. Never attempt to remove the radiator cap when the engine is hot.** [EWA15162]



1. Coolant reservoir cap

7. Add coolant to the maximum level mark. ***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 added to the coolant, have a Yamaha dealer check the antifreeze content of the coolant as soon as possible, otherwise the effectiveness of the coolant will be reduced.** [ECA10473]

8. Install the coolant reservoir cap.
9. Install the coolant reservoir cover.
10. Install the floorboard mat.

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]

EAU88800

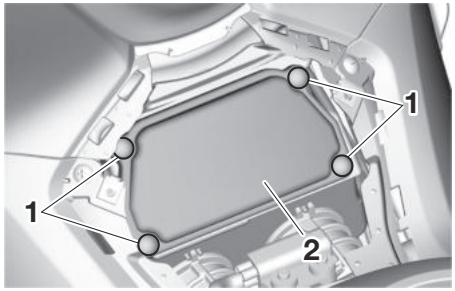
Replacing the engine air filter element and cleaning the check hose

The engine air filter element should be replaced at the intervals specified in the periodic maintenance chart. Replace the air filter element more frequently if you often ride in wet or dusty conditions.

In addition, the air filter check hose must be checked and cleaned by a Yamaha dealer at the intervals specified in the periodic maintenance and lubrication chart.

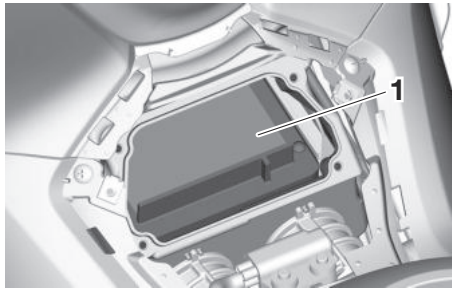
To replace the air filter element

1. Remove panel C. (See page 9-8.)
2. Remove the air filter case cover by removing the screws.



1. Screw
2. Air filter case cover

3. Pull the air filter element out.



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]

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

EAU80970

V-belt air filter elements

The V-belt air filter elements should be serviced at the intervals specified in the periodic maintenance chart. Have these elements serviced more frequently if you often ride in wet or dusty conditions.

EAU44735

Checking the engine idling speed

Check the engine idling speed and, if necessary, have it corrected by a Yamaha dealer.

Engine idling speed:
1100–1300 r/min

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.

EAUA5100

Tires

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

Tire air pressure

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

EWA10504

⚠ WARNING

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

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

Cold tire air pressure:
1 person:
Front:
225 kPa (2.25 kgf/cm², 33 psi)
Rear:
250 kPa (2.50 kgf/cm², 36 psi)
2 persons:
Front:
225 kPa (2.25 kgf/cm², 33 psi)
Rear:
280 kPa (2.80 kgf/cm², 41 psi)
Maximum load:
Vehicle:
194 kg (428 lb) (XP560D)
196 kg (432 lb) (XP560)
The vehicle's maximum load is the combined weight of the rider, passenger, cargo, and any accessories.

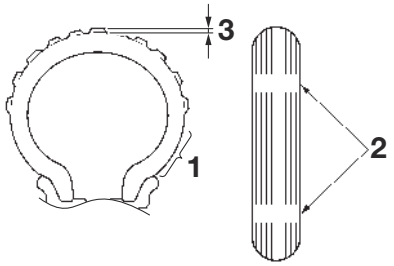
EWA10512

⚠ WARNING

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

9

Tire inspection



1. Tire sidewall
2. Tire wear indicator
3. 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, have a Yamaha dealer replace the tire immediately.

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

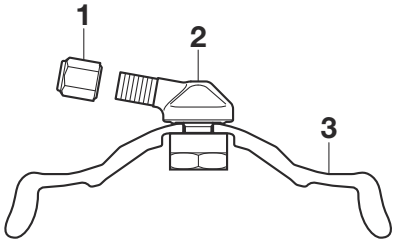
EWA10583

⚠ 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.**

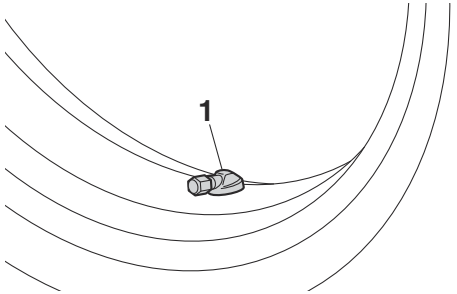
Tire information

For equipped models



1. Tire air valve cap with seal
2. Clamp-in valve
3. Wheel rim

For equipped models



1. Tire air valve

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.

EWA22890

⚠ 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.

- **Always make sure that the valve caps are securely installed to prevent air pressure leakage.**
- **Use only the tire valves and valve cores listed below to avoid tire deflation during a ride.**
- **For equipped models: The tire air valve original position is with the valve cap pointing to the right side of the vehicle, perpendicular (90 degree right angle) to the axis (center line) of the wheel. If the tire air valve becomes misaligned, do not twist it back to its original position by yourself. Otherwise, leakage may occur. Have a Yamaha dealer inspect the valve.**

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

Front tire:
Size:
120/70R15M/C 56H
Manufacturer/model:
BRIDGESTONE/BATTLAX SCOOTER SC2F
Tire air valve:
PVR59A (XP560)
PVR255 (XP560)
PVR255T (XP560D)
Valve core:
#9100 (original) (XP560)
#9200 (original) (XP560 / XP560D)

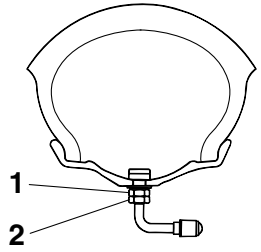
Rear tire:
Size:
160/60R15M/C 67H
Manufacturer/model:
BRIDGESTONE/BATTLAX SCOOTER SC2R
Tire air valve:
TR412 (XP560)
PVR255 (XP560)
PVR255T (XP560D)
Valve core:
#9100 (original) (XP560)
#9200 (original) (XP560 / XP560D)

EAU51922

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.
- For equipped models: After repairing or replacing the front tire, tighten the valve stem nut and locknut to the specified torques.



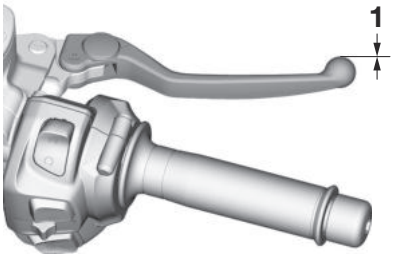
1. Valve stem nut
2. Valve stem locknut

Tightening torques:
Valve stem nut:
2.0 N·m (0.20 kgf·m, 1.5 lb·ft)
Valve stem locknut:
3.0 N·m (0.30 kgf·m, 2.2 lb·ft)

EAU50861

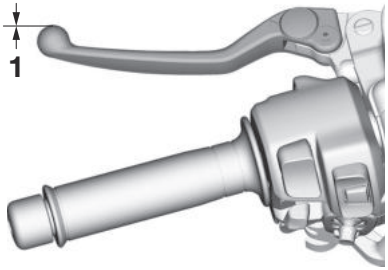
Checking the front and rear brake lever free play

Front



1. No brake lever free play

Rear



1. No brake lever free play

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

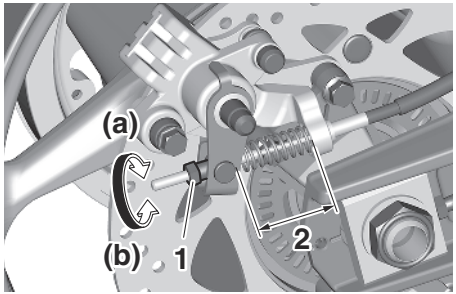
EWA14212

⚠ 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.

EAU53033

Adjusting the rear brake lock cable



1. Adjusting nut
2. Rear brake lock cable length

Rear brake lock cable length:
38–40 mm (1.50–1.57 in)

Periodically check the rear brake lock cable length and adjust if necessary.

1. Release the rear brake lock lever.
2. To increase the rear brake lock cable length, turn the adjusting nut at the rear brake caliper in direction (a). To decrease the rear brake lock cable length, turn the adjusting nut in direction (b).
3. Confirm that the rear brake lock lever (page 6-26) functions properly and that the rear wheel rotates freely when unlocked.

EWA20290

⚠ WARNING

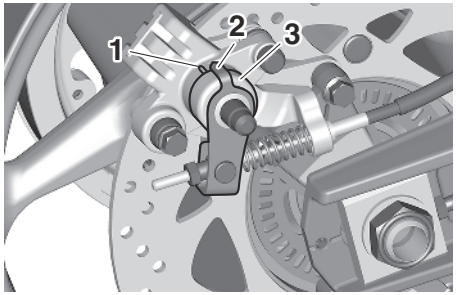
If proper adjustment cannot be obtained as described, have a Yamaha dealer make this adjustment.

EAU52293

Checking the rear brake lock

The rear brake lock must be checked at the intervals specified in the periodic maintenance and lubrication chart.

1. Adjust the rear brake lock cable.
2. Apply the rear brake lock, and then try to push the vehicle to confirm that the rear brake lock functions properly.
3. The rear brake lock caliper is provided with a wear indicator, which allows you to check the rear brake lock pads. To check the rear brake lock pads, check the position of the indicator when the rear brake lock lever is applied. If the indicator has passed the wear indicator groove, have a Yamaha dealer check the rear brake lock.
4. Make sure that there are no tears or cracks on the rubber boot.

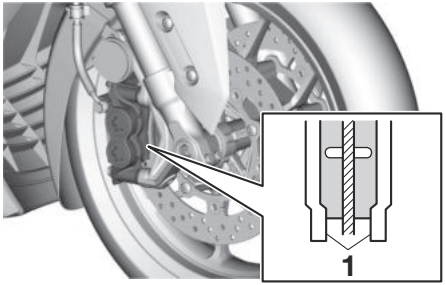


1. Wear indicator groove
2. Wear indicator
3. Rubber boot

EAU22312

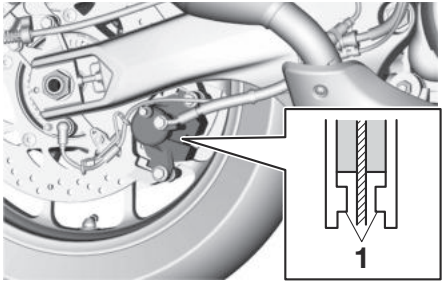
Checking the front and rear brake pads

Front brake



1. Brake pad wear indicator

Rear brake



1. Brake pad wear indicator

The front and rear brake pads must be checked for wear at the intervals specified in the periodic maintenance and lubrication chart. Each brake pad is provided with a wear indicator, which allows you to check the brake pad wear without having to disassemble the brake. To check the brake pad wear, check the position of the wear indicator while applying the brake. If a brake pad has worn to the point that the wear indicator almost touches the brake disc, have a Yamaha dealer replace the brake pads as a set.

EAU60682

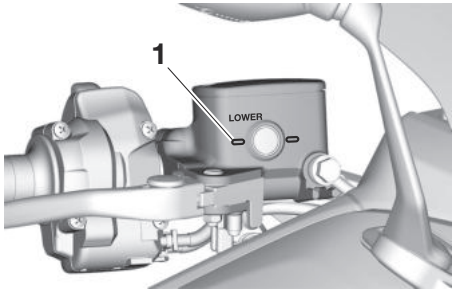
Checking the brake fluid level

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

TIP

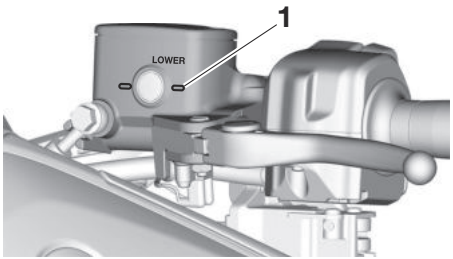
Make sure the reservoir is level with the ground when checking the fluid level.

Front brake



1. Minimum level mark

Rear brake



1. Minimum level mark

Specified brake fluid:
YAMAHA GENUINE 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

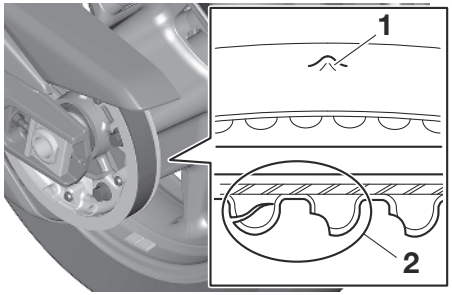
EAU88810

Drive belt

The drive belt should be visually inspected before each ride. Check for excessive wear, damage, and dirt. Also, the drive belt tension must be checked and adjusted by a Yamaha dealer at the intervals specified in the periodic maintenance chart.

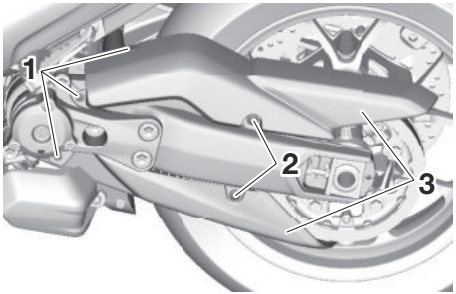
To check the drive belt

1. On a level surface, place the vehicle on its centerstand.
2. Rotate the rear wheel and check the belt surface for signs of wear or damage.



1. Stone damage
2. Cog damage

3. If cracks, excessive wear, or damage is found, have the belt inspected or replaced by your Yamaha dealer.
4. If the drive belt or drive belt sprocket is dirty, remove the drive belt covers by removing the bolts and quick fasteners.



1. Quick fastener
2. Bolt
3. Drive belt cover

5. Clean the drive belt and remove any debris from the drive belt sprocket. ***NOTICE:*** **Do not allow dirt or sand to accumulate in the drive belt area, otherwise the drive belt will wear out quickly.**

[ECA26970]

6. Install the drive belt covers by installing the bolts and quick fasteners.

EAU23098

Checking and lubricating the cables

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

9

EAU82490

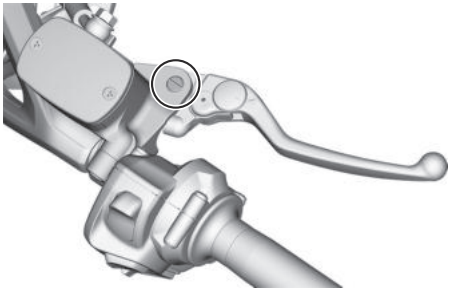
Checking and lubricating the throttle grip

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

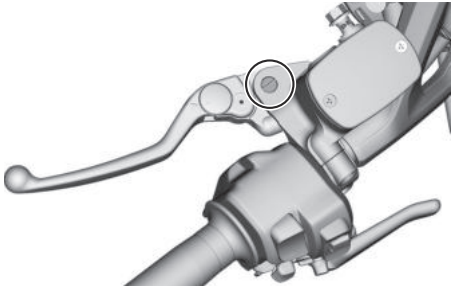
EAU23173

Lubricating the front and rear brake levers

Front brake lever



Rear brake lever

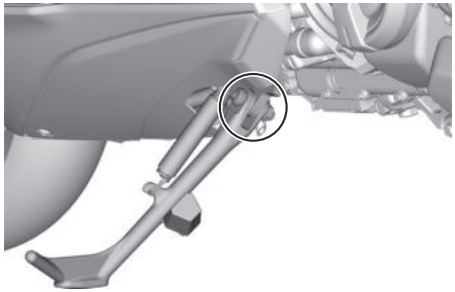


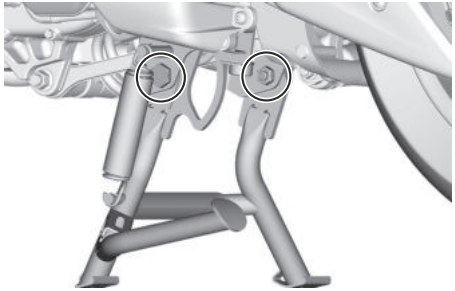
The pivoting points of the front and rear brake levers must be lubricated at the intervals specified in the periodic maintenance and lubrication chart.

Recommended lubricant:
Silicone grease

EAU23215

Checking and lubricating the centerstand and sidestand





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

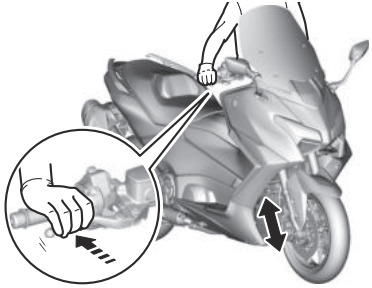
The condition and operation of the front fork must be checked as follows at the intervals specified in the periodic maintenance and lubrication chart.

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.



ECA10591

NOTICE

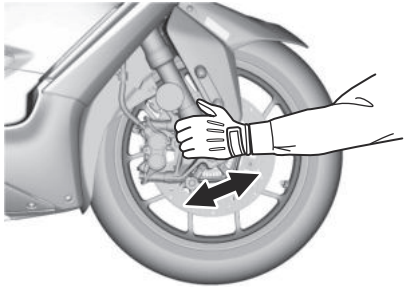
If any damage is found or the front fork does not operate smoothly, have a Yamaha dealer check or repair it.

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.



EAU23292

Checking the wheel bearings

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

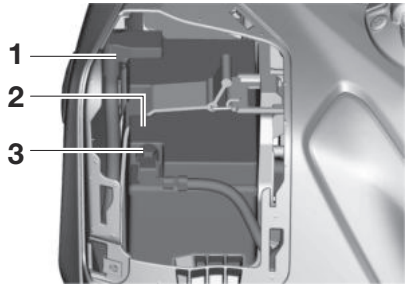
Battery

EAU77781

ECA22960

NOTICE

Use only the specified genuine YAMAHA battery. Using a different battery may cause the IMU to fail and the engine to stall.



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

The battery is located under panel B. (See page 9-8.)
This model is equipped with a VRLA (Valve Regulated Lead Acid) battery. There is no need to check the electrolyte or to add distilled water. However, the battery lead connections need to be checked and, if necessary, tightened.

EWA10761

⚠ WARNING

- **Electrolyte is poisonous and dangerous since it contains sulfuric acid, which causes severe burns. Avoid any contact with skin, eyes or clothing and always shield your eyes when working near batteries. In case of contact, administer the following FIRST AID.**
  - **EXTERNAL: Flush with plenty of water.**
  - **INTERNAL: Drink large quantities of water or milk and immediately call a physician.**
  - **EYES: Flush with water for 15 minutes and seek prompt medical attention.**
- **Batteries produce explosive hydrogen gas. Therefore, keep sparks, flames, cigarettes, etc., away from the battery and provide sufficient ventilation when charging it in an enclosed space.**
- **KEEP THIS AND ALL BATTERIES OUT OF THE REACH OF CHILDREN.**

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

ECA16522

NOTICE

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

To store the battery
1. If the vehicle will not be used for more than one month, remove the battery, fully charge it, and then place it in a cool, dry place. ***NOTICE:*** **When removing the battery, be sure turn the vehicle power off, then disconnect the negative lead before**

disconnecting the positive lead.
[ECA21900]

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, connect the positive lead before connecting the negative lead.**[ECA21910]
4. After installation, make sure that the battery leads are properly connected to the battery terminals.

ECA16531

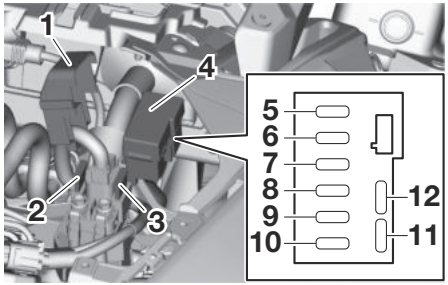
NOTICE

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

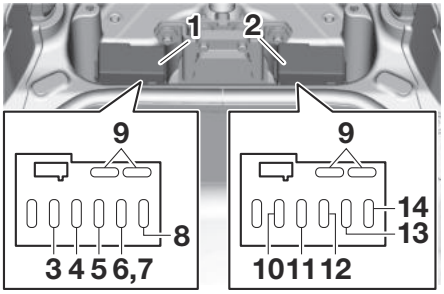
EAU96076

Replacing the fuses

Fuse box 1 and main fuse are located under the windscreen.
Fuse box 2 and fuse box 3 are under the seat.



1. Starter relay cover
2. Spare main fuse
3. Main fuse
4. Fuse box 1
5. Brake light fuse (XP560D)
6. Cruise control fuse (XP560D)
7. Taillight fuse
8. Headlight fuse
9. ABS motor fuse
10. ABS solenoid fuse
11. Spare fuse (XP560D)
12. Spare fuse



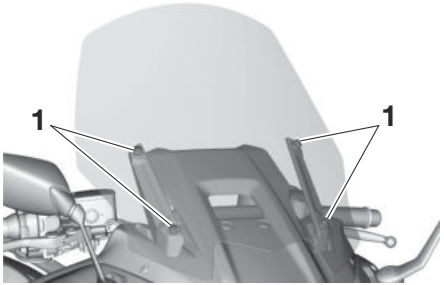
1. Fuse box 2
2. Fuse box 3
3. Accessory fuse
4. ABS control unit fuse
5. Signaling system fuse
6. Windscreen motor / Seat open fuse (XP560D)
7. Seat open fuse (XP560)
8. Ignition fuse
9. Spare fuse
10. Radiator fan motor fuse
11. Fuel injection system fuse
12. Backup fuse 2
13. Backup fuse
14. Electronic throttle valve fuse

TIP

To access the main fuse, remove the starter relay cover.

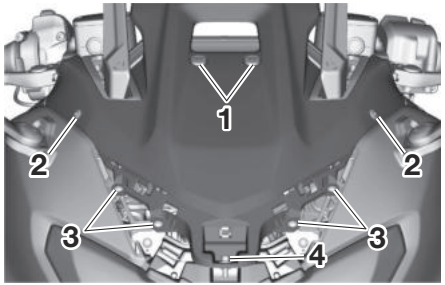
To access fuse box 1 and the main fuse, proceed as follows:

1. Remove panel A. (See page 9-8.)
2. Remove the windscreen by removing the bolts.



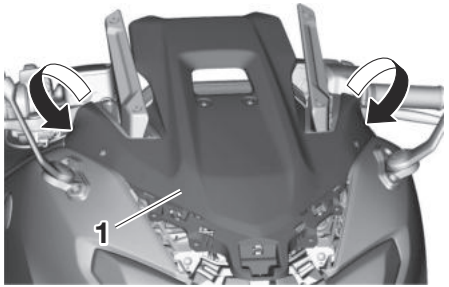
1. Bolt

3. Remove the bolts, screws, washer and quick fasteners from the inner panel.



1. Quick fastener
2. Bolt
3. Screw
4. Bolt and washer

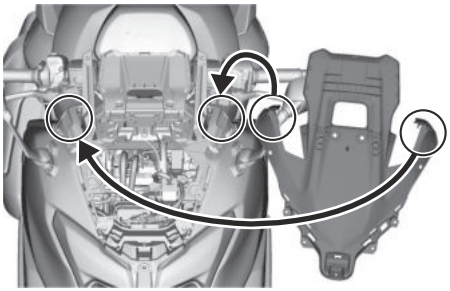
4. Remove the inner panel as shown.



1. Inner panel

Reassembly:

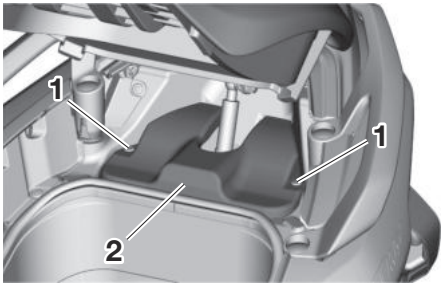
1. Align the left and right top projections and then replace the inner panel in its original position. Install the bolts, screws, washer and quick fasteners.



2. Install the windscreen by installing the bolts.
3. Install panel A.

To access fuse box 2 and fuse box 3, proceed as follows:

1. Open the seat. (See page 4-17.)
2. Remove the cover by removing the quick fasteners.



1. Quick fastener
2. Cover

Reassembly:

1. Install the cover by installing the quick fasteners.
2. Close the seat.

If a fuse is blown, replace it as follows:

1. Turn the vehicle power off.
2. 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]

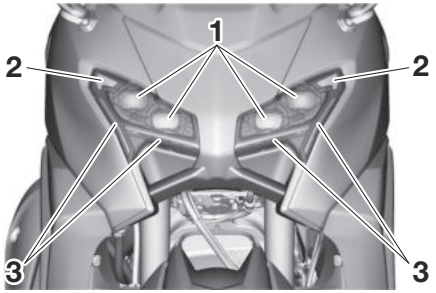
Specified fuses:

Main fuse:
40.0 A
Accessory fuse:
7.5 A
Headlight fuse:
7.5 A
Taillight fuse:
7.5 A
Signaling system fuse:
10.0 A
Ignition fuse:
7.5 A
Radiator fan motor fuse:
15.0 A
Fuel injection system fuse:
7.5 A
ABS control unit fuse:
7.5 A
ABS motor fuse:
30.0 A
ABS solenoid fuse:
15.0 A
Backup fuse:
15.0 A
Backup fuse 2:
10.0 A
Electronic throttle valve fuse:
7.5 A
Brake light fuse:
2.0 A (XP560D)
Cruise control fuse:
2.0 A (XP560D)
Windscreen motor/Seat open fuse:
20.0 A (XP560D)
Seat open fuse:
20.0 A (XP560)

3. Turn the vehicle power on and turn on the electrical circuit in question to check if the device operates.
4. If the fuse immediately blows again, have a Yamaha dealer check the electrical system.

EAU72980

Vehicle lights



1. Headlight
2. Front turn signal light
3. Auxiliary light

This model is equipped with full-LED lighting. There are no user replaceable bulbs.
If a light does not come on, check the fuses and then have a Yamaha dealer check the vehicle.

ECA16581

NOTICE

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

EAU25865

Troubleshooting

Although your Yamaha received a thorough inspection before shipment from the factory, trouble may occur during operation. Any problem in the fuel, compression, or ignition systems, for example, can cause poor starting and loss of power.
The following troubleshooting chart represents a quick and easy procedure for checking these vital systems yourself. However, should your vehicle require any repair, take it to an authorized Yamaha dealer whose skilled technicians have the necessary tools, experience, and know-how to properly service your Yamaha vehicle.
Be sure to use only genuine Yamaha replacement parts. Although imitation parts may look similar to genuine parts, they are often inferior in quality, have a shorter service life, and can lead to an expensive repair bill later on.

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.

EAU77993

Smart key system troubleshooting

Please check the following items when the smart key system does not work.

- Is the smart key turned on? (See page 4-9.)
- Is the smart key battery discharged? (See page 4-9.)
- Is the smart key battery installed correctly? (See page 4-9.)
- Is the smart key being used in a location with strong radio waves or other electromagnetic noise? (See page 4-5.)
- Are you using the smart key that is registered to the vehicle?
- Is the vehicle battery discharged? When the vehicle battery is discharged, the smart key system will not operate. Please have the vehicle battery charged or replaced. (See page 9-30.)

If the smart key system does not work after checking the above items, have a Yamaha dealer check the smart key system.

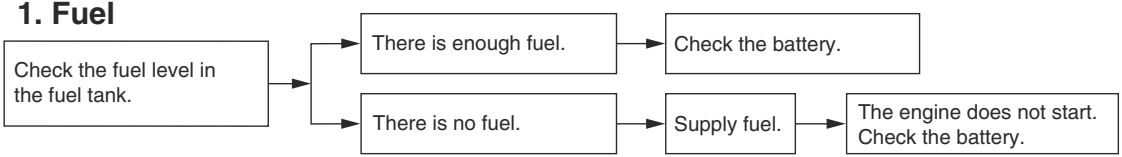
TIP

See Emergency mode on page 9-38 for information on starting the engine without the smart key.

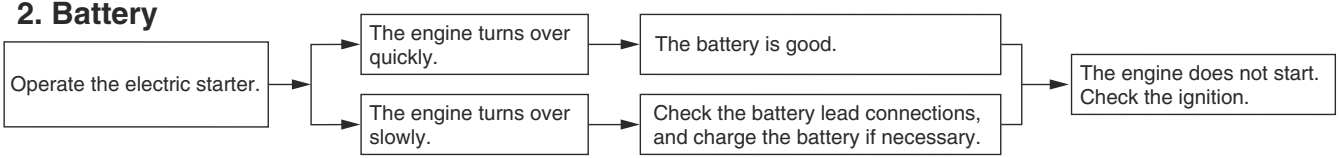
EAU86350

Troubleshooting chart

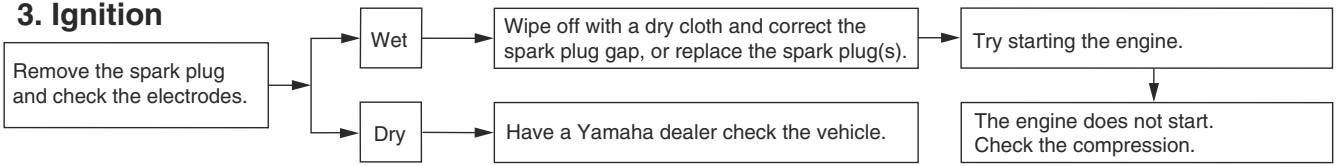
1. Fuel



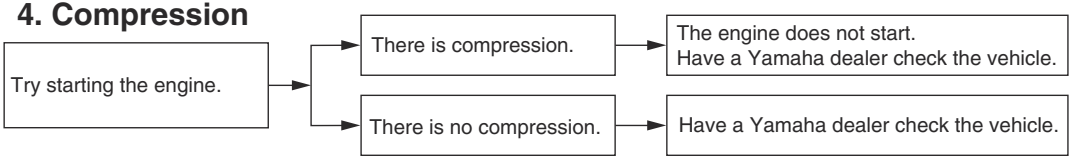
2. Battery



3. Ignition



4. Compression



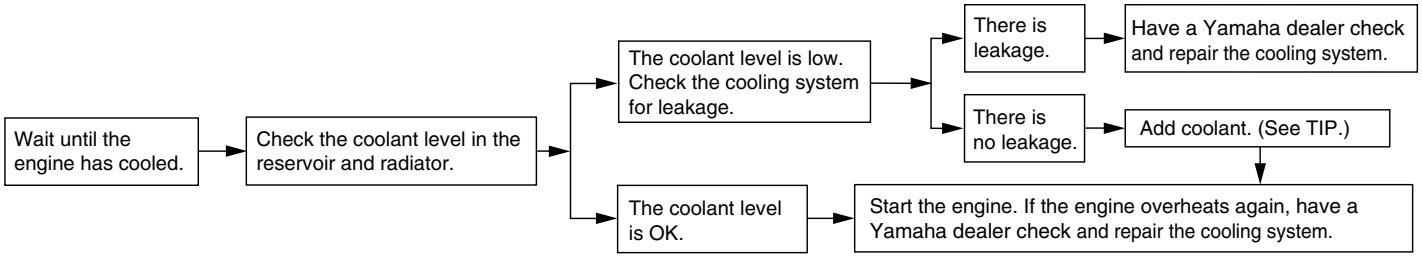
EAU86420

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.**



9

TIP

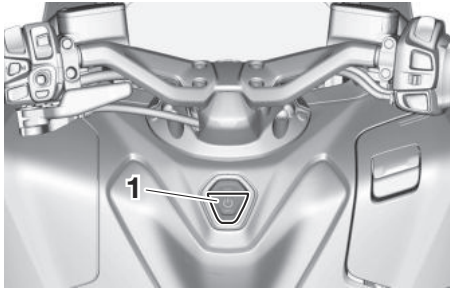
If coolant is not available, tap water can be temporarily used instead, provided that it is changed to the recommended coolant as soon as possible.

EAU95981

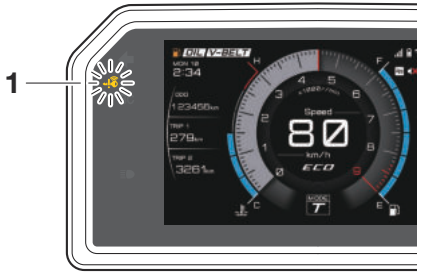
Emergency mode

When the smart key is lost or damaged, or its battery has discharged, the vehicle can still be turned on and the engine started. You will need the smart key system identification number. To operate the vehicle in emergency mode, carry out the following steps.

1. Stop the vehicle in a safe place.
2. Push the "⏻/LOCK" section of the center switch for 5 seconds until the smart key system indicator light flashes once, then release it. Repeat two more times. The smart key system indicator light will come on for three seconds to indicate the transition to emergency mode.

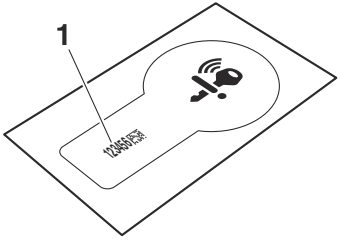


1. "⏻/LOCK" section of the center switch



1. Smart key system indicator light " "

3. After the smart key system indicator light goes off, use the "⏻/LOCK" section of the center switch to enter the identification number.



1. Identification number

4. Inputting the identification number is done by counting the number of flashes of the smart key system indicator light.
   For example, if the identification number is 123456:
   Push and hold the "⏻/LOCK" section of the center switch.
   ↓
   The smart key system indicator light will start to flash.
   ↓

   Release the "⏻/LOCK" section of the center switch after the smart key system indicator light flashes once.
   ↓
   The first digit of the identification number has been set as "1".
   ↓
   Push and hold the "⏻/LOCK" section of the center switch again.
   ↓

Release the "⏻/LOCK" section of the center switch after the smart key system indicator light flashes twice.
↓
The second digit has been set as "2".
↓
Repeat the above procedure until all digits of the identification number have been set. The smart key system indicator light will flash for 10 seconds if the correct identification number was entered.

TIP

Emergency mode will be terminated when either one of the following situations apply. In this case, start over again from step 2.

- When there are no "⏻/LOCK" section of the center switch operations for 10 seconds during the identification number input process.
- When the smart key system indicator light is allowed to flash nine or more times.

5. Press the "⏻/LOCK" section of the center switch while the smart key system indicator light is on to turn on the power to the vehicle. The engine can now be started.

TIP

- If the identification number is not correctly entered, the smart key system indicator light will flash rapidly for 3 seconds and emergency mode is terminated. In this case, start over again from step 2.
- To lock the handlebar after turning on the vehicle in emergency mode, turn the vehicle power off, and then turn the handlebar to the left and press the "⏻/LOCK" section of the center switch.

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.

EAUA0960

Care

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

TIP

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

ECA26280

NOTICE

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

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

Before washing

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

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

Washing

1. Rinse off any degreaser and spray down the vehicle with a garden hose. Use only enough pressure to do the job. Avoid spraying water directly into the muffler, instrument panel, air inlet, or other inner areas such as underseat storage compartments.
2. Wash the vehicle with a quality automotive-type detergent mixed with cool water and a soft, clean towel or sponge. Use an old toothbrush or plastic-bristle brush for hard-to-reach places. ***NOTICE:*** **Use cold water if the vehicle has been exposed to salt. Warm water will increase salt's corrosive properties.**[ECA26301]
3. For windscreen-equipped vehicles: Clean the windscreen with a soft towel or sponge dampened with water and a pH neutral detergent. If necessary, use a high-quality windscreen cleaner or polish for motorcycles. ***NOTICE:*** **Never use any strong chemicals to clean the windscreen. Additionally, some cleaning compounds for plastic may scratch the windscreen, so be sure to test all cleaning products before general application.**[ECA27860]
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 9-30 for more information on charging and storing the battery.

Dimensions:
Overall length:
2195 mm (86.4 in)
Overall width:
780 mm (30.7 in)
Overall height:
1415/1470 mm (55.7/57.9 in) (XP560)
1415/1525 mm (55.7/60.0 in) (XP560D)
Seat height:
800 mm (31.5 in)
Wheelbase:
1575 mm (62.0 in)
Ground clearance:
135 mm (5.31 in)
Minimum turning radius:
2.8 m (9.19 ft)

Weight:
Curb weight:
219 kg (483 lb) (XP560)
221 kg (487 lb) (XP560D)

Engine:
Combustion cycle:
4-stroke
Cooling system:
Liquid cooled
Valve train:
DOHC
Cylinder arrangement:
Inline
Number of cylinders:
2-cylinder
Displacement:
562 cm^3
Bore × stroke:
70.0 × 73.0 mm (2.76 × 2.87 in)
Starting system:
Electric starter

Engine oil:
Recommended brand:
YAMALUBE®
SAE viscosity grades:
10W-40
Recommended engine oil grade:
API service SG type or higher, JASO standard MA
Engine oil quantity:
Oil change:
2.60 L (2.75 US qt, 2.29 Imp.qt)
With oil filter removal:
2.90 L (3.07 US qt, 2.55 Imp.qt)

Coolant quantity:
Coolant reservoir (up to the maximum level mark):
0.25 L (0.26 US qt, 0.22 Imp.qt)
Radiator (including all routes):
1.50 L (1.59 US qt, 1.32 Imp.qt)

Fuel:
Recommended fuel:
Unleaded gasoline (E10 acceptable)
Octane number (RON):
95
Fuel tank capacity:
15 L (4.0 US gal, 3.3 Imp.gal)
Fuel reserve amount:
2.7 L (0.71 US gal, 0.59 Imp.gal)

Fuel injection:
Throttle body:
ID mark:
B7M1

Front tire:
Type:
Tubeless
Size:
120/70R15M/C 56H
Manufacturer/model:
BRIDGESTONE/BATTLAX SCOOTER SC2F

Rear tire:
Type:
Tubeless
Size:
160/60R15M/C 67H
Manufacturer/model:
BRIDGESTONE/BATTLAX SCOOTER SC2R

Loading:
Maximum load:
194 kg (428 lb) (XP560D)
196 kg (432 lb) (XP560)
(Total weight of rider, passenger, cargo and accessories)

Front brake:
Type:
Hydraulic dual disc brake

Rear brake:
Type:
Hydraulic single disc brake

Specifications

Front suspension:
Type:
Telescopic fork
Rear suspension:
Type:
Swingarm (link suspension)
Electrical system:
System voltage:
12 V
Battery:
Model:
YTZ12S
Voltage, capacity:
12 V, 11.0 Ah (10 HR)
Bulb wattage:
Headlight:
LED
Brake/tail light:
LED
Front turn signal light:
LED
Rear turn signal light:
LED
Auxiliary light:
LED
License plate light:
LED

EAU53562

Identification numbers

Record the vehicle identification number, engine serial number, and the model label information in the spaces provided below. These identification numbers are needed when registering the vehicle with the authorities in your area and when ordering spare parts from a Yamaha dealer.

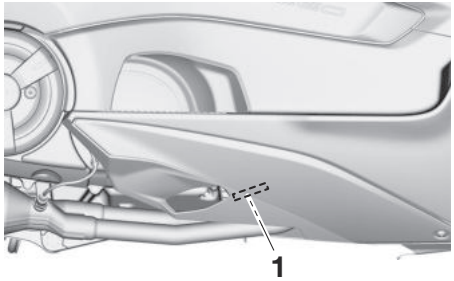
VEHICLE IDENTIFICATION NUMBER:

ENGINE SERIAL NUMBER:

MODEL LABEL INFORMATION:

EAU26411

Vehicle identification number



1. Vehicle identification number

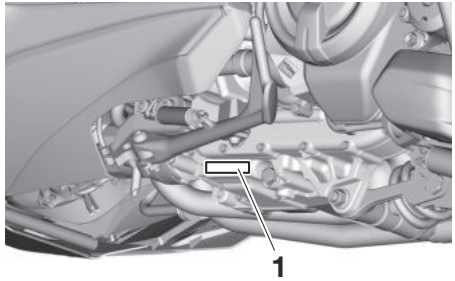
The vehicle identification number is stamped into the frame.

TIP

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

EAU26442

Engine serial number

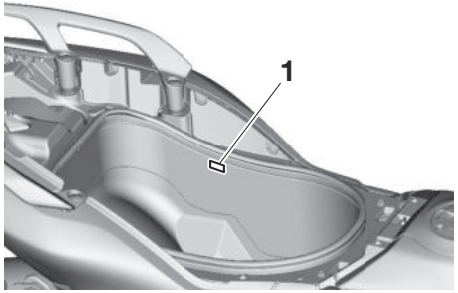


1. Engine serial number

The engine serial number is stamped into the crankcase.

EAU26501

Model label



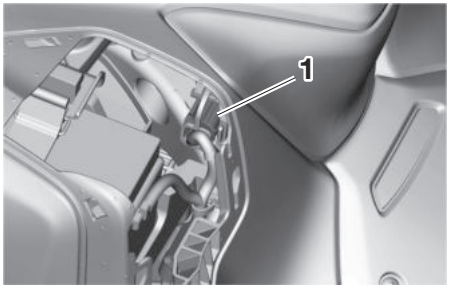
1. Model label

12

The model label is affixed to the inside of the rear storage compartment. (See page 6-32.) Record the information on this label in the space provided. This information will be needed when ordering spare parts from a Yamaha dealer.

EAU69910

Diagnostic connector



1. Diagnostic connector

The diagnostic connector is located as shown.

EAUA1021

Use of your data

This is a brief summary of how Yamaha (Yamaha Motor Co., Ltd., and the local subsidiaries) uses your data. For more details for Yamaha's use of your data, please see our Privacy Policy.
https://global.yamaha-motor.com/en/privacy/

What data we collect? and How we collect your data?
This vehicle collects three types of data through integrated Engine Control Units (ECU).:
(1) Vehicle Identification Number (VIN); (2) live data showing the performance of the vehicle such as engine/motor operating state, vehicle speed, mileage; and (3) other data showing the status of the vehicle such as diagnostic trouble code (DTC).
The collected data will be uploaded to server at Yamaha Motor Co., Ltd. by attaching a special Yamaha diagnostic tool to the vehicle, only when maintenance checks or service procedures are performed.

How will we use your data?
Yamaha use collected data from your vehicle, (1) to conduct adequate maintenance service including diagnostics, (2) to implement proper warranty claim judgement, (3) to conduct research and development of vehicle, (4) to provide and improve quality of products, features, and services, (5) to ensure our business purpose, and (6) to comply with legal obligations or lawful orders, and to establish or defend legal claims.

How we share your data?
We may share your data with: (i) our subsidiaries, affiliates, and business partners; (ii) dealers and distributors in your country or region, and (iii) contractors within the scope necessary to achieve the purpose of use described above.

How to contact us
Any questions or complaints regarding the processing of your Personal Data can be submitted in writing to the local subsidiaries.
https://global.yamaha-motor.com/link/
The SOLE PURPOSE of above provided contact information is TO RESPOND DATA PROCESSING INQUIRY AND OTHER KINDS OF INQUIRIES **WILL NOT BE RESPONDED**. Please provide the following information for the proper

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