

IMPORTANT


BREAK-IN (RUNNING-IN) INFORMATION FOR YOUR MOTORCYCLE

The first 1600 km (1000 miles) are the most important in the life of your motorcycle. Proper break-in operation during this time will help ensure maximum life and performance from your new motorcycle. Suzuki parts are manufactured of high quality materials, and machined parts are finished to close tolerances. Proper break-in operation allows the machined surfaces to polish each other and mate smoothly.

Motorcycle reliability and performance depend on special care and restraint exercised during the break-in period. It is especially important that you avoid operating the engine in a manner which could expose the engine parts to excessive heat.

Please refer to the BREAK-IN (RUNNING-IN) section for specific break-in recommendations.

WARNING / **CAUTION** / **NOTICE** / **NOTE**

Please read this manual and follow its instructions carefully. To emphasize special information, the symbol  and the words **WARNING**, **CAUTION**, **NOTICE** and **NOTE** have special meanings. Pay particular attention to messages highlighted by these signal words:

WARNING

Indicates a potential hazard that could result in death or serious injury.

CAUTION

Indicates a potential hazard that could result in minor or moderate injury.

NOTICE

Indicates a potential hazard that could result in vehicle or equipment damage.

NOTE: Indicates special information to make maintenance easier or instructions clearer.

FOREWORD

Motorcycling is one of the most exhilarating sports and to ensure your riding enjoyment, you should become thoroughly familiar with the information presented in this Owner's Manual before riding the motorcycle.

The proper care and maintenance that your motorcycle requires is outlined in this manual. By following these instructions explicitly you will ensure a long trouble free operating life for your motorcycle. Your authorized Suzuki dealer has experienced technicians that are trained to provide your machine with the best possible service with the right tools and equipment.

All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of publication. Due to improvements or other changes, there may be some discrepancies between information in this manual and your motorcycle. Suzuki reserves the right to make changes at any time.

Please note that this manual applies to all specifications or all respective destinations and explains all equipment. Therefore, your model may have different standard features than shown in this manual.



TABLE OF CONTENTS

SAFETY INFORMATION	1
CONTROLS, EQUIPMENT AND ADJUSTMENTS	2
INSPECTION AND MAINTENANCE	3
TROUBLESHOOTING	4
STORAGE PROCEDURE AND MOTORCYCLE CLEANING	5
CONSUMER INFORMATION	6
SPECIFICATIONS	
INDEX	

SAFETY INFORMATION

SAFETY GUIDELINES	1-2
RIDING PRECAUTIONS	1-8
FUEL GUIDELINES	1-15
ACCESSORY USE AND MOTORCYCLE LOADING	1-17
MODIFICATION	1-19

SAFETY INFORMATION

SAFETY GUIDELINES

MOST ACCIDENTS CAN BE AVOIDED

Please follow the basic precautions described in this chapter regarding daily use, and ensure that you ride carefully.

To prevent crashes, always pay the utmost attention when riding.

- Motorcycle crashes sometimes occur because other drivers do not notice you. Please be careful of the following when riding.
 - Be aware that crashes often occur when a car traveling towards a motorcycle turns left in front of the motorcycle.
 - Do not ride in other drivers' blind spots.
- Do not turn the handlebars swiftly or ride with one hand, as this may cause skidding or falls.
- To minimize injuries caused by falls or crashes, wear protective equipment such as helmets and gloves. For information on appropriate equipment and clothing, see "PROTECTIVE APPAREL" on page 1-3.

- When riding, grip the handlebars with both hands and place your feet on the footrests. Passengers should grip the rider's body firmly with both hands, or hold onto the seat strap or grab bar, as equipped, and place their feet on the rear footrests.
- Read and follow all the labels on the motorcycle. Make sure you understand all of the labels. Do not remove any labels from the motorcycle.
- The accessories you use with your motorcycle and the manner in which you load your gear onto the bike might create hazards. Aerodynamics, handling, balance, and cornering clearance can suffer, and the suspension and tires can be overloaded. Read the "ACCESSORY USE AND MOTORCYCLE LOADING" section on page 1-17.

Routine checks and periodic inspections

To prevent crashes or breakdowns, be sure to carry out routine checks and periodic inspections.

If the motorcycle makes an unusual sound, smells, or leaks fluid, have it inspected by a Suzuki dealer. For information on routine checks and periodic inspections, see "INSPECTION AND MAINTENANCE" on page 3-2.

⚠ WARNING

Riding at excessive speeds increases your chances of losing control of the motorcycle, which can result in a crash.

Always ride at a speed that is proper for the terrain, visibility and operating conditions, and your skills and experience.

⚠ WARNING

If you remove even one hand or foot from the motorcycle, you can reduce your ability to control the motorcycle. This could cause you to lose your balance and fall off the motorcycle. This could injure you or cause a crash.

Always keep both hands on the handlebars and both feet on the footrests of your motorcycle during operation.

PROTECTIVE APPAREL

Description

Both rider and passenger should be sure to wear helmets, as well as clothing and protective equipment that affords a high level of protection. Refer to the following when obtaining this equipment.

⚠ WARNING



To reduce the risk of injury:

- **Wear a helmet, eye protection, and protective clothing.**
- **Read owner's manual carefully.**

Helmet

- Be sure to wear a helmet and tighten the strap firmly. Choose a helmet that fits your head snugly but does not exert excessive pressure.
- Be sure to wear a helmet shield or goggles. These items protect the field of view from the wind, and also protect the eyes against airborne insects, dust, and small stones thrown up by vehicles driving ahead of you.

WARNING

If you don't wear a helmet, you have an increased risk of death or severe injury in a crash. If you wear a helmet that doesn't fit properly or is not securely strapped on, the helmet may not provide the protection for which it was designed.

The rider and passenger should be sure to wear a helmet that fits properly and is securely strapped on.

Riding gear

- Wear protective equipment and clothing that affords a high level of protection. Wear bright, eye-catching long-sleeved uppers and full-length trousers that expose a minimum of skin. This will reduce the impact of unexpected events on the body. Loose, fancy clothing can be uncomfortable and unsafe when riding your motorcycle. Choose good quality motorcycle riding apparel when riding your motorcycle.
- Be sure to wear gloves. Gloves made of friction-resistant leather are suitable.
- Wear footwear that is easy to operate the motorcycle in, and which covers your ankles.
- When necessary, wear jackets and trousers fitted with protectors.

WARNING

If the person in the rear seat wears a long jacket or coat, they may obscure the tail light or turn signal light. This is dangerous as following vehicles may not be aware of you.

People riding in the rear seat should avoid wearing long jackets or coats if possible. If wearing such garments, place the tails of the garment under the buttocks so that they do not obscure the tail light or turn signal light.

Gear of a passenger

A passenger needs the same protection that you do, including a helmet and proper clothing. The passenger should not wear long shoe laces or loose pants that could get caught in the wheel or the chain.

SPECIAL SITUATIONS REQUIRE SPECIAL CARE

Windy day

When riding in a strong crosswind, which can occur at the entrance to a tunnel, on a bridge, or when passing or being passed by large trucks, the motorcycle may be blown by the crosswind.

Control your speed, and grip the handlebars firmly when riding.

WARNING

Sudden side winds, which can occur when being passed by larger vehicles, at tunnel exits or in hilly areas, can cause you to lose control of the motorcycle.

Reduce your speed and be alert to the possibility of sudden side winds.

Rainy day, Snowy day

- When the road surface is wet, loose, or rough, you should brake with care. Braking distances increase on a rainy day. Stay off the painted surface marks, manhole covers, and greasy-appearing areas, as they can be especially slippery. Use extra caution at railway crossings and on metal gratings and bridges. When it starts to rain, any oil or grease on the road rises to the surface of the water. Pull over and wait a few minutes until this oil film is washed away before riding. Whenever in doubt about road conditions, slow down!
- Slow down before entering corners. In these situations, the traction available between your tires and the road surface is limited. When you're leaned over in a corner, avoid braking. Straighten up before braking.

NOTE: After the motorcycle has been washed or when it has traveled through puddles, the brakes may grip poorly. If the brakes grip poorly, travel at low speed while paying sufficient attention to the front and rear of the motorcycle, operating the brakes lightly until they grip firmly.

WARNING

Over braking when traction is limited will cause your tires to skid, possibly resulting in loss of directional control or causing you and your motorcycle to fall over.

Brake carefully when traction is limited.

Flooded road

Do not ride your motorcycle on flooded roads.

If you do ride your motorcycle on a flooded road, go slowly checking braking operation. After riding on a flooded road, ask your Suzuki dealer to check for the following:

- Braking efficiency
- Wet connectors, wiring and water in the battery box
- Drive belt slipping
- Poor lubrication for bearings etc.
- Level and appearance of gear oil (if oil is whitish, there is water into the oil and an oil change is required)

NOTICE

Riding the motorcycle on a flooded road can cause the engine to stop running, and can cause failure of electric parts, drive belt slipping and engine damage.

Do not ride your motorcycle on flooded roads.

KNOW YOUR LIMITS

Always ride within the boundaries of your own skills. Knowing these limits and staying within them will help you avoid crashes.

A major cause of crashes involving only a motorcycle (and no other vehicles) is going too fast through a turn. Before entering a turn, select an appropriately low cornering speed and appropriate cornering angle.

Even on straight roads, ride at a speed that is appropriate for the traffic, visibility and road conditions, your motorcycle, and your experience.

Riding a motorcycle safely requires that your mental and physical skills are fully part of the experience. You should not attempt to operate a motor vehicle, especially one with two wheels, if you are tired or under the influence of alcohol or other drugs. Alcohol, illegal drugs, and even some prescription and over-the-counter drugs can cause drowsiness, loss of coordination, loss of balance, and especially the loss of good judgment. If you are tired or under the influence of alcohol or other drugs, **PLEASE DO NOT RIDE** your motorcycle.

PRACTICE AWAY FROM TRAFFIC

Your riding skill and your mechanical knowledge form the foundation for safe riding practices. We suggest that you practice riding your motorcycle in a non-traffic situation until you are thoroughly familiar with your machine and its controls.

CARRYING A PASSENGER

This motorcycle has a capacity of two people. Do not attempt to ride while carrying more than one passenger. Attempting to do so is very dangerous.

How to carry a passenger

Carrying a passenger, when done correctly, is a great way to share the joy of motorcycling. You will have to alter your riding style somewhat since the extra weight of a passenger will affect handling and braking.

You may also need to adjust tire pressures and suspension; please refer to the Tire Pressure and Loading section and the Suspension section for more details.

- TIRE PRESSURE AND LOADING: (👉 3-44)
- SUSPENSION ADJUSTMENT: (👉 2-90)
- LOADING LIMIT: (👉 1-18)

Before you invite someone to be a passenger on your motorcycle, you need to be thoroughly familiar with motorcycle operation.

Ensure that passengers understand the following before they ride with you.

- The passenger should always hold onto your waist or hips, or onto the seat strap or grab bar, as equipped.
- Ask your passenger not to make any sudden movements. When you lean going around a corner, the passenger should lean with you.
- The passenger should always keep his or her feet on the footrests, even when you are stopped at a light. To help prevent burn injuries, warn your passenger not to contact the exhaust pipe or muffler when mounting or dismounting your motorcycle.

ABOUT CARBON MONOXIDE

To prevent carbon monoxide poisoning, start the engine in a well-ventilated location.

Contained in exhaust gas, carbon monoxide is a colorless odorless gas, and thus is not noticed easily.

WARNING

Exhaust gas contains carbon monoxide, a dangerous gas that is difficult to detect because it is colorless and odorless. Breathing carbon monoxide can cause death or severe injury.

Never start the engine or let it run indoors or where there is little or no ventilation.

BE STREET SMART

Always heed speed limits, local laws, and the basic rules of the road. Set a good example for others by demonstrating a courteous attitude and a responsible riding style.

CONCLUSION

To avoid crashes, caution and judgment appropriate to the environment is required. In addition to the state of the traffic, the road, and the weather, the state of the motorcycle also changes. Additionally, the movement of other vehicles is difficult to predict, so always be attentive.

Circumstances beyond your control could lead to a crash. You need to prepare for the unexpected by wearing a helmet and other protective gear, and learning emergency braking and swerving techniques to minimize the damage to you and your machine.

RIDING PRECAUTIONS

BREAK-IN

Description

The first 1600 km (1000 miles) is the most important in the life of your motorcycle.

Proper operation during this break-in period will help assure maximum life and performance from your new motorcycle.

During the break-in period, avoid needless idling, sudden acceleration or deceleration, abrupt steering changes, or sudden braking.

The following guidelines explain proper break-in procedures.

Maximum Engine Speed Recommendation

The table below shows the maximum engine speed recommendation during the break-in period.

Initial	800 km (500 miles)	Below 5500 r/min
Up to	1600 km (1000 miles)	Below 8000 r/min
Over	1600 km (1000 miles)	Below Red zone

Vary the engine speed

Vary the engine speed during the break-in period. This allows the parts to “load” (aiding the mating process) and then “unload” (allowing the parts to cool). Although it is essential to place some stress on the engine components during break-in, you must be careful not to load the engine too much.

Breaking in the new tires

New tires need proper break-in to assure maximum performance, just as the engine does. Wear- in the tread surface by gradually increasing your cornering lean angles over the first 160 km (100 miles) before attempting maximum performance. Avoid hard acceleration, hard cornering, and hard braking for the first 160 km (100 miles).

WARNING

Failure to perform break-in of the tires could cause tire slip and loss of control.

Use extra care when riding on new tires. Perform proper break-in of the tires as described in this section and avoid hard acceleration, hard cornering, and hard braking for the first 160 km (100 miles).

Observe Your Initial and Most Critical Service

The initial service (break-in maintenance) is the most important service your motorcycle will receive. During break-in operation, all of the engine components will have mated together and seated. Maintenance required as part of the initial service includes correction of all adjustments, tightening of all fasteners and replacement of dirty oil. Timely performance of this service will help make sure you get the best service life and performance from the engine.

NOTE: The 1000 km (600 miles) service should be performed as outlined in the INSPECTION AND MAINTENANCE section of this Owner's Manual. Pay particular attention to the CAUTION and WARNING messages in that section.

ON HILLS

Riding on a slope

- When climbing steep hills, the motorcycle may begin to slow down and show lack of power. At this point you should shift to a lower gear so that the engine will again be operating in its normal power range. Shift rapidly to prevent the motorcycle from losing momentum.
- When descending a long, steep slope, use the engine compression to assist the brakes by shifting to a lower gear. Continuous brake application can overheat the brakes and reduce their effectiveness.
- Be careful not to allow the engine to overrev when descending a slope.

WARNING

If you use the brakes continuously on long downhill roads, the brakes may overheat, reducing their effectiveness.

Use engine braking on long downhill roads and avoid using the brakes continuously.

NOTICE

Holding the motorcycle stopped with throttle and clutch lever operation on inclines can damage the motorcycle's clutch.

Use the brakes when stopping the motorcycle on inclines.

PARKING

How to park

To prevent theft, be sure to lock the handlebars and remove the key when leaving the motorcycle. See "IGNITION SWITCH" on page 2-69.

- Park the motorcycle in a location where it will not interfere with traffic.
- Do not park illegally.
- Do not touch the exhaust pipe, muffler or the engine when the engine is running, or for some time after it has stopped.
- Park the motorcycle in a flat location, and turn the handlebars fully to the left. Avoid parking the motorcycle with the handlebars turned to the right.
- Park the motorcycle in a location where other people will not touch the exhaust pipe, muffler or the engine.
- When parking the motorcycle on an unstable surface such as an incline, on gravel, on an uneven surface, or on soft ground is unavoidable, be careful when leaning or moving it.

WARNING

The catalytic converter installed in the muffler heats up to a very high temperature, and may cause fires if placed in close proximity to flammable material when the motorcycle is parked.

When parking, check that there is no flammable material such as dry grass, lumber, paper, or oil in the vicinity.

CAUTION

Hot exhaust pipes and mufflers can cause severe burns. The exhaust pipe or muffler will be hot enough to cause burns for some time after stopping the engine.

Park the motorcycle where pedestrians or children are not likely to touch the exhaust pipe or muffler.

NOTE:

- *If the motorcycle is to be parked on the side stand on a slight slope, the front end of the motorcycle should face "up" the incline to avoid rolling forward off the side stand. You may leave the motorcycle in 1st gear to help prevent it from rolling off the side stand. Shift to neutral before starting the engine.*
- *If an optional anti-theft lock such as a U-shape lock, brake disk lock or chain is used to avoid theft, be sure to remove the anti-theft lock before moving the motorcycle.*

WHEN PUSHING THE MOTORCYCLE

Turn OFF the ignition switch when pushing the motorcycle.

ABOUT THE BRAKES

What is ABS?

ABS is a device that controls braking during riding to prevent the wheels from locking up.

The inertial measurement unit (IMU) provides ABS control according to the gradient of the road surface to control the rear tire from lifting when the front brake is applied strongly.

Braking is performed using the brake lever and brake pedal in the same manner as on a motorcycle without ABS.

ABS controls the brake pressure electronically. This system monitors the rotational speed of the wheels and operates to prevent wheel lock-up by reducing brake pressure when wheel lock-up is detected.

No special braking operation is required, as the ABS operates continuously except at low speeds below 8 km/h (5 mph) and when the battery has run down. The brake lever and brake pedal vibrate gently when the ABS activates to prevent wheel lock-up when the brakes are applied. This is not an abnormality. Continue to apply the brakes.

The braking distance with ABS may be longer than that of a motorcycle without ABS depending on misjudgment, incorrect operation, and road surface and weather conditions. Do not become overly reliant on the ABS.

The ABS may not function properly if the tires are replaced with non-specified tires. To ensure that the ABS functions correctly, use only the specified tires on the front and rear. Refer to "TIRES" on page 3-42.

WARNING

Failure to use good judgment with ABS can be hazardous. ABS cannot make up for bad road conditions, bad judgement, or improper operation of the brakes.

Remember that ABS will not compensate for poor judgment, incorrect braking techniques, or the need to slow down over bad roads or in poor weather conditions. Use good judgment and do not ride faster than conditions will safely allow.

NOTE: In some situations, a motorcycle with ABS may require a longer stopping distance to stop on loose or uneven surfaces than an equivalent motorcycle without ABS. Furthermore, as with a motorcycle without ABS, the slipperier the surface, the longer the braking distance.

Motion Track Brake System

This model is equipped with a system called the "Motion Track Brake System". This system controls ABS braking according to the motorcycle bank angle while the motorcycle is cornering. The system prevents wheel locking, within a certain range, if excessive or quick braking is applied. This supports the rider's ability to follow the intended line of travel.

Even though ABS helps prevent wheel lock-up, you must still be careful when braking in curves. Hard braking while turning could cause wheel skidding and loss of control, whether or not your motorcycle is equipped with ABS.

Having ABS does not mean you can take unnecessary risks. ABS will not compensate for poor judgment, incorrect braking techniques, or not slowing down over bad roads or in poor weather conditions.

You must still ride sensibly and alertly.

WARNING

The motion track brake system controls ABS braking according to bank angle when the brakes are applied while cornering. However, it is not able to control horizontal sliding beyond physical limits. Over reliance on ABS may cause unforeseen crashes.

Ride carefully, without relying too much on ABS.

How to use the brake system

1. Twist the throttle grip away from yourself to close the throttle completely.
2. Apply the front and rear brakes evenly and at the same time.
3. Downshift through the gears as road speed decreases.
4. Select neutral with the clutch lever squeezed toward the grip (disengaged position) when the motorcycle is almost completely stopped.

WARNING

Inexperienced riders tend to underuse the front brake. This can cause excessive stopping distance and lead to a crash. Using only the front or rear brake can cause skidding and loss of control.

Apply both brakes evenly and at the same time.

WARNING

Hard braking on wet, loose, rough, or other slippery surfaces can cause wheel skid and loss of control.

Brake lightly and with care on slippery or irregular surfaces.

WARNING

Following another vehicle too closely can lead to a collision. As vehicle speeds increase, stopping distance increases progressively.

Always maintain a safe stopping distance between you and the vehicle in front of you.

WARNING

Hard braking while turning may cause wheel skid, loss of control and/or capsize.

Brake before you begin to turn.

WARNING

Braking while turning the motorcycle can be hazardous, whether or not your motorcycle is equipped with ABS. ABS can not control wheel side-slips that occur when you brake hard while turning and the side-slips could cause loss of control.

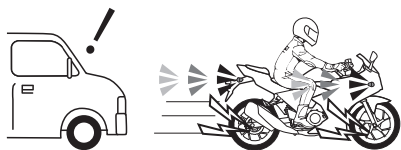
Slow down sufficiently in a straight line before you begin to turn and avoid other than slight braking while turning.

Emergency Stop Signal (ESS) (If equipped)

ESS stands for “Emergency Stop Signal”.

ESS is a feature that alerts vehicle behind the motorcycle by blinking all turn signal lights faster than normal when all of the following conditions are satisfied. Turn signal indicator lights in the instrument panel also blink in synchronization at this time.

- Brake lever or brake pedal is operated forcefully when the speed of the motorcycle is at least 55 km/h (34 mph)
- ABS is activated or brake is operated forcefully such that ABS would activate



ESS stops functioning in the following states.

- Speed significantly decreases
- Brake pedal or brake lever is released
- ABS activation stops
- Hazard switch is turned on

NOTE:

- While ESS helps prevent rear-end collisions by alerting vehicles behind the motorcycle when sudden braking is performed, it cannot prevent all rear-end collisions.
- The ESS feature cannot be disabled.
- ESS will sometimes not activate when riding on the following road surfaces and ABS activates for only a moment.
 - Riding on slipper road surfaces
 - Riding over bumps or other raised surfaces such as seams in the road

FUEL GUIDELINES

Use premium unleaded gasoline with an octane rating of 95 or higher (Research method). Using unleaded premium gasoline extends the lifespan of spark plugs and exhaust system parts.

(Canada)

Your motorcycle requires premium unleaded gasoline with a minimum pump octane rating of 90 ((R+M)/2 method). In some areas, the only fuels that are available are oxygenated fuels.

Fuel used: Unleaded premium gasoline

Fuel tank capacity: 20.0 L (5.3/4.4 US/Imp. gal)

NOTE:

- *The engine of this model is designed to use premium unleaded gasoline.*
- *If the engine develops some trouble like lack of acceleration or insufficient power, the cause may be the fuel. In such case, try changing to a different gas station. If the situation is not improved by changing, consult your Suzuki dealer.*

Oxygenated fuel recommendation (Canada, UK, EU)

Oxygenated fuels which meet the minimum octane requirement and the requirements described below may be used in your motorcycle without jeopardizing the New Vehicle Limited Warranty or the Emission Control System Warranty.

NOTE: Oxygenated fuels are fuels which contain oxygen-carrying additives such as alcohol.

Gasoline/Ethanol blends

Blends of unleaded gasoline and ethanol (grain alcohol), also known as "GASOHOL", are commercially available in some areas. Blends of this type may be used in your motorcycle if they are no more than 10% ethanol. Make sure this gasoline-ethanol blend has octane ratings no lower than those recommended for gasoline.

Use the recommended gasoline which conforms to the following labels. (UK, EU)



NOTE:

- *To help minimize air pollution, Suzuki recommends that you use oxygenated fuels.*
- *Be sure that any oxygenated fuel you use has recommended octane ratings.*
- *If you are not satisfied with the drivability of your motorcycle when you are using an oxygenated fuel, or if engine pinging is experienced, substitute another brand as there are differences between brands.*

NOTICE

Spilled gasoline containing alcohol can damage the painted surfaces of your motorcycle.

Be careful not to spill any fuel when filling the fuel tank. Wipe spilled gasoline up immediately.

NOTICE

Do not use leaded gasoline.

Use of leaded gasoline causes the catalytic converter to malfunction.

ACCESSORY USE AND MOTORCYCLE LOADING

ACCESSORIES

How to choose

The addition of unsuitable accessories can lead to unsafe operating conditions. It is not possible for Suzuki to test each accessory on the market or combinations of all the available accessories; however, your dealer can assist you in selecting quality accessories and installing them correctly. Use extreme caution when selecting and installing the accessories on your motorcycle and consult your Suzuki dealer if you have any questions.

Additionally, when attaching accessories, ensure that they are within the load capacity. For information on the load capacity, see "LOADING" on page 1-18.

WARNING

Improper installation of accessories or modification of the motorcycle may cause changes in handling which could lead to a crash.

- **Never use improper accessories, and make sure that any accessories that are used are properly installed.**
- **All parts and accessories added to the motorcycle should be genuine Suzuki parts designed for use on this motorcycle.**
- **Install and use them according to their instructions.**
- **If you have any questions, contact your Suzuki dealer.**

Accessory installation guidelines

- Install aerodynamic-affecting accessories, such as a fairing, windshield, backrests, saddlebags, and travel trunks, as low as possible, and as close to the motorcycle and as near the center of gravity as is feasible. Check that the mounting brackets and other attachment hardware are rigidly mounted.
- Inspect for proper ground clearance and bank angle. Inspect that the accessory does not interfere with the operation of the suspension, steering or other control operations.
- Accessories fitted to the handlebars or the front fork area can create serious stability problems. This extra weight will cause the motorcycle to be less responsive to your steering control. The weight may also cause oscillations in the front end and lead to instability problems. Accessories added to the handlebars or front fork of the machine should be as light as possible and kept to a minimum.
- Do not pull a trailer or sidecar. This motorcycle is not designed to pull a trailer or sidecar.
- Some accessories may make it difficult to achieve the correct riding position, or cause usability to deteriorate. Check that you can attain the correct riding position.
- Select only electrical accessories which do not exceed the motorcycle's electrical system capacity. Severe overloads may damage the wiring harness or create hazardous situations. Use genuine Suzuki accessories.

LOADING

Loading limit

- Loading the motorcycle will make the handling and safety characteristics of the motorcycle different than when it is not loaded.
- Never exceed the G.V.W.R. (Gross Vehicle Weight Rating) of this motorcycle. The G.V.W.R. is the maximum combined weight of the machine, accessories, payload, rider and passenger. When selecting your accessories, keep in mind the weight of the rider as well as the weight of the accessories. The additional weight of the accessories may not only create an unsafe riding condition but may also affect the riding stability.

G.V.W.R.: 445 kg (981 lbs)
at the tire pressure (cold)
Front: 290 kPa (2.90 kgf/cm², 42 psi)
Rear: 290 kPa (2.90 kgf/cm², 42 psi)

WARNING

Overloading or improper loading can cause loss of motorcycle control and a crash.

Follow loading limits and loading guidelines in this manual.

Loading guidelines

This motorcycle is primarily intended to carry small items when you are not riding with a passenger. Follow the loading guidelines below:

- When loading luggage onto the rear seat, fix it firmly in place with rubber straps, etc. Do not overload with luggage.

- Balance the load between the left and right side of the motorcycle and fasten it securely.
- Keep cargo weight low and as close to the center of the motorcycle as possible.
- Adjust suspension setting as necessary.
- Do not attach large or heavy items to the handlebars, front forks or rear fender.
- Do not attach luggage compartments, load boxes, or other items that protrude from the tail end outside the body of the motorcycle.
- Check that both tires are properly inflated to the specified tire pressure for your loading conditions. Refer to "TIRE PRESSURE AND LOADING" on page 3-44.
- Improperly loading your motorcycle can reduce your ability to balance and steer the motorcycle. Ride more slowly when carrying luggage or with accessories attached.

WARNING

If luggage touches a hot exhaust pipe, muffler or engine, it may cause the luggage or motorcycle to catch fire.

When loading luggage on the motorcycle, do not allow it to touch hot parts.

WARNING

Placing objects in the space behind the fairing can interfere with steering and can cause loss of control.

Do not carry any objects in the space behind the fairing.

MODIFICATION

Do not make improper modifications. Modifications related to the structure or functioning of this motorcycle may impair its maneuverability, increase exhaust noise, or even reduce the life of the vehicle. In addition to offend against the law, such modifications may be a nuisance to others.

The frame of this motorcycle is made of an aluminum alloy. Therefore, never make any modifications such as drilling or welding to the frame as it weakens the frame significantly. This could result in an unsafe vehicle operating condition and subsequent crash. Suzuki will not be responsible in any way for personal injury or damage to the motorcycle caused by frame modifications. Bolt-on-accessories that do not modify the frame in any way may be installed, provided that you do not exceed the loading limit described in this section. Modifications to the motorcycle are not covered by warranty.

- This motorcycle complies with emission regulations. It is equipped with a catalytic converter that cleans exhaust gases. Altering the exhaust pipe or muffler may make this motorcycle non-compliant with emission regulations. Consult a Suzuki dealer when replacing the exhaust pipe or muffler.
- Mufflers are engraved with a "Suzuki" mark to indicate that they are genuine Suzuki parts.
- Do not self-tune the engine or remove parts. Consult a Suzuki dealer regarding engine tuning.

- We recommend that you use genuine Suzuki parts and specified/recommended oils and lubricants for your motorcycle. Genuine parts are thoroughly inspected and are made to be suitable for Suzuki motorcycles.
- Comply with loading limits when attaching luggage or accessories to the motorcycle.

WARNING

Modification to an aluminum alloy frame, such as drilling or welding, weakens the frame. This could result in an unsafe operating condition and may lead to a crash.

Never make any modifications to the frame.



CONTROLS, EQUIPMENT AND ADJUSTMENTS

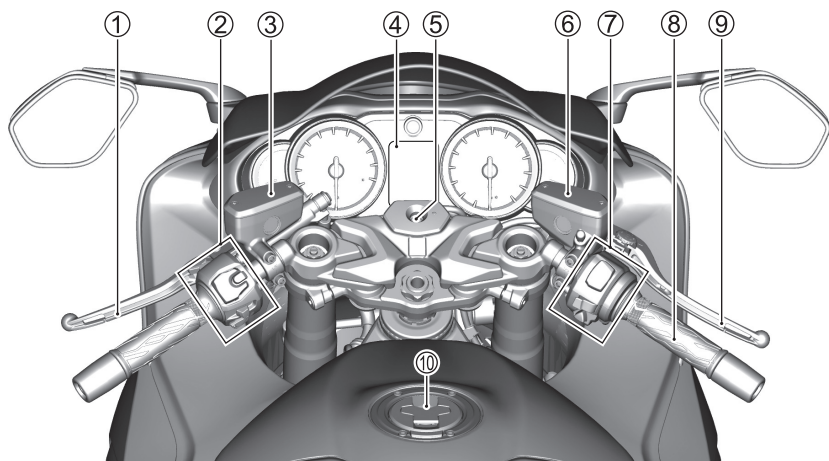
NAMES OF PARTS AND LAYOUT DIAGRAM (PICTURE INDEX)	2-2
INSTRUMENT PANEL	2-10
RIDING ASSISTANCE SYSTEM SETTINGS	2-51
IGNITION SWITCH	2-69
HANDLEBAR SWITCHES	2-73
STARTING THE ENGINE	2-76
REFUELING	2-80
SHIFTING GEARS	2-82
BRAKE LEVER	2-86
REAR BRAKE PEDAL	2-87
CLUTCH LEVER	2-87
SEAT AND HELMET HOLDERS	2-88
STANDS	2-90
SUSPENSION ADJUSTMENT	2-90

CONTROLS, EQUIPMENT AND ADJUSTMENTS

NAMES OF PARTS AND LAYOUT DIAGRAM (PICTURE INDEX)

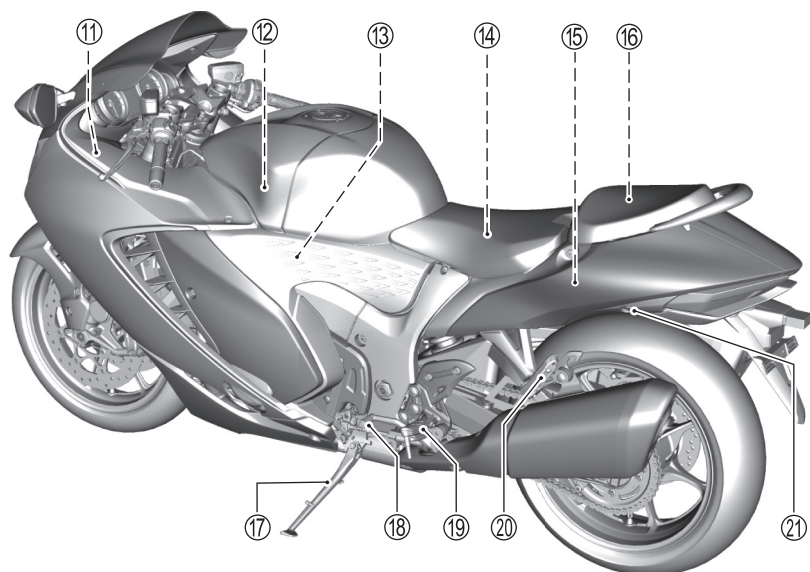
LOCATION OF PARTS

Around the Handle



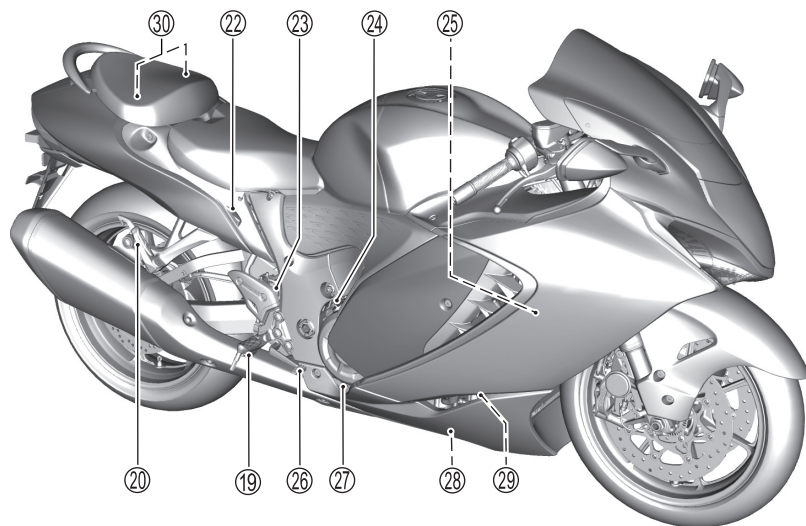
- ① Clutch lever (☞ 2-87)
- ② Left handlebar switches (☞ 2-5)
- ③ Clutch fluid reservoir (☞ 3-36)
- ④ Instrument panel (☞ 2-10)
- ⑤ Ignition switch (☞ 2-69)
- ⑥ Front brake fluid reservoir (☞ 3-37)
- ⑦ Right handlebar switches (☞ 2-5)
- ⑧ Throttle grip
- ⑨ Brake lever (☞ 2-86)
- ⑩ Fuel tank cap (☞ 2-80)

Left Side View



- ⑪ Fuse (☞ 3-53)
- ⑫ Air cleaner (☞ 3-17)
- ⑬ Air cleaner drain plug (☞ 3-19)
- ⑭ Battery (☞ 3-14)
- ⑮ Main fuse (☞ 3-53)
- ⑯ Tools (☞ 3-8)
- ⑰ Side stand (☞ 2-90)
- ⑱ Gearshift lever (☞ 2-82) (☞ 3-41)
- ⑲ Footrests
- ⑳ Passenger footrests
- ㉑ Seat lock (☞ 2-89)

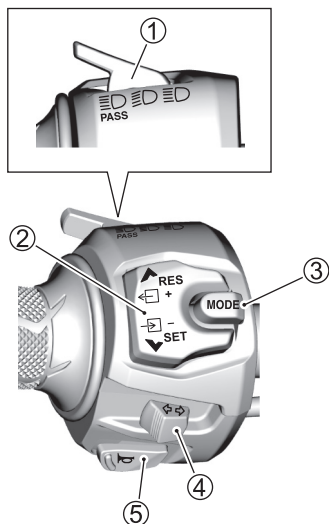
Right Side View



- ②② Rear brake fluid reservoir (☞ 3-37)
- ②③ Rear brake light switch (☞ 3-41)
- ②④ Engine oil filler cap (☞ 3-19)
- ②⑤ Engine coolant reservoir (☞ 3-26)
- ②⑥ Rear brake pedal (☞ 3-40)
- ②⑦ Engine oil inspection window (☞ 3-19)
- ②⑧ Engine oil drain plug (☞ 3-19)
- ②⑨ Engine oil filter (☞ 3-19)
- ③⑩ Helmet holders (☞ 2-89)

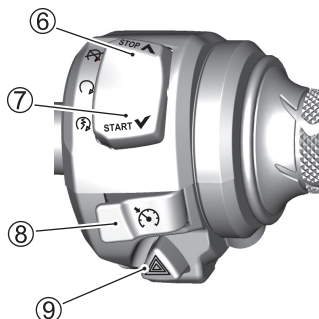
HANDLEBAR SWITCHES

Left Handlebar



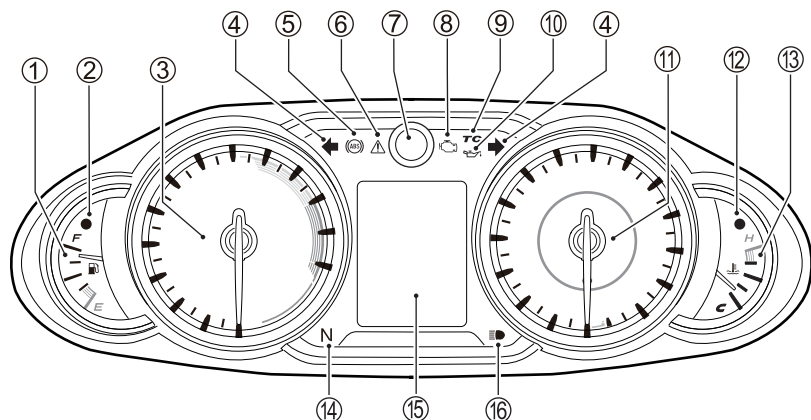
- ① Dimmer switch/Headlight flasher switch (👉 2-73)
- ② Select switch (👉 2-73)
- ③ MODE switch (👉 2-73)
- ④ Turn signal light switch (👉 2-74)
- ⑤ Horn switch (👉 2-73)

Right Handlebar



- ⑥ Engine stop switch (👉 2-74)
- ⑦ Electric starter switch (👉 2-74)
/Launch control system switch (👉 2-58)
- ⑧ Cruise control switch (👉 2-59)
- ⑨ Hazard warning switch (👉 2-75)

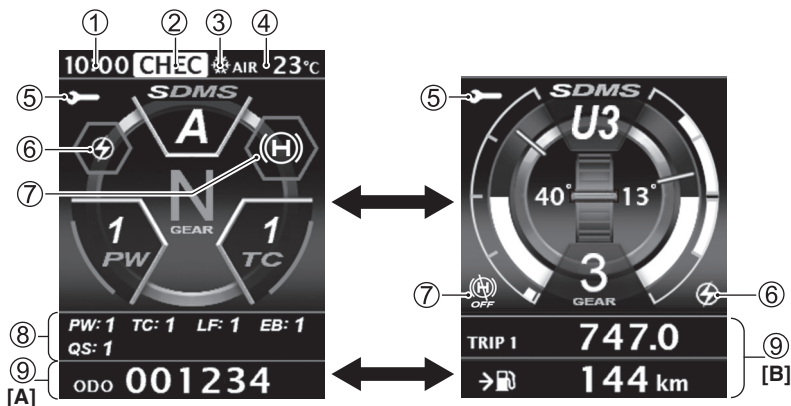
INSTRUMENT PANEL, WARNING AND INDICATOR LIGHTS



- ① Fuel meter (☞ 2-10)
- ② Fuel indicator light (☞ 2-10)
- ③ Tachometer (☞ 2-11)
- ④ Turn signal indicator light (☞ 2-11)
- ⑤ ABS indicator light (☞ 2-12)
- ⑥ Master warning indicator light (☞ 2-13)
- ⑦ Engine rpm indicator light (☞ 2-13)
- ⑧ Malfunction indicator light (☞ 2-15)
- ⑨ Traction control indicator light (☞ 2-16)
- ⑩ Oil pressure indicator light (☞ 2-17)
- ⑪ Speedometer (☞ 2-17)
- ⑫ Engine coolant temperature indicator light (☞ 2-17)
- ⑬ Engine coolant temperature meter (☞ 2-17)
- ⑭ Neutral indicator light (☞ 2-18)
- ⑮ LCD (☞ 2-7)
- ⑯ High beam indicator light (☞ 2-18)

LCD

Common Features Display

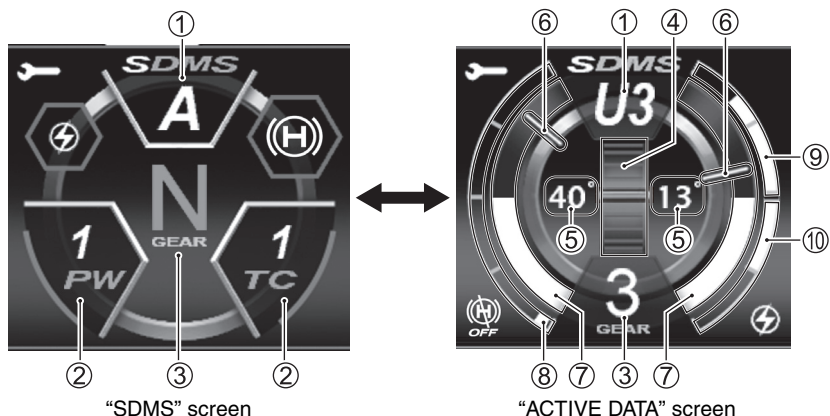


- ① Clock (☞ 2-18)
- ② Diagnosis display (☞ 2-19)
- ③ Freeze indicator (☞ 2-20)
- ④ Ambient temperature meter (☞ 2-20)
- ⑤ Service reminder indicator (☞ 2-21)
- ⑥ Engine rpm indicator (☞ 2-13)
- ⑦ Hill hold indicator (☞ 2-21)
- ⑧ Riding assistance system indicator list (☞ 2-22)
- ⑨ Information window (☞ 2-23)

[A]: One-row display

[B]: Two-row display

Main Display



Main display selecting(☞ 2-29)

- ① SDMS-α (Suzuki drive mode selector alpha)* (☞ 2-30)
- ② Riding assistance system indicator (☞ 2-32)
- ③ Gear position indicator (☞ 2-36)
- ④ Forward/backward acceleration (☞ 2-37)
- ⑤ Maximum bank angle (☞ 2-37)
- ⑥ Bank angle Peak hold bar (☞ 2-37)
- ⑦ Bank angle (☞ 2-37)
- ⑧ Throttle opening (☞ 2-36)
- ⑨ Front brake pressure (☞ 2-37)
- ⑩ Rear brake pressure (☞ 2-37)

*SDMS-α is abbreviated and displayed as SDMS on the instrument panel. In this owner's manual too, SDMS is used in the description to maintain consistency with the display on the instrument panel.

MENU Display



MENU screen (☞ 2-28)

- ① DISPLAY (☞ 2-48)
Used to set the screen displayed by default.
- ② RIDING SET (☞ 2-38)
Used to select one of three user setting mode modes and set the control level of different systems.
- ③ RPM SET (☞ 2-40)
Sets the lighting timing of engine rpm indicator light and other settings.
- ④ HILL HOLD SET (☞ 2-44)
Sets the hill hold control.
- ⑤ BRIGHTNESS (☞ 2-45)
Used to adjust the backlight brightness of the TFT.
- ⑥ USER SEL/UNIT (☞ 2-46)
Sets the units.
- ⑦ DATE/TIME (☞ 2-48)
Sets the date and time.
- ⑧ SERVICE (☞ 2-49)
Used to check service reminder settings.
- ⑨ DEFAULT SET (☞ 2-50)
MENU settings to their defaults.
- ⑩ EXIT
Return to the main display.

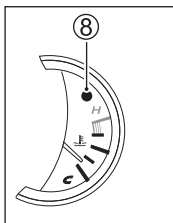
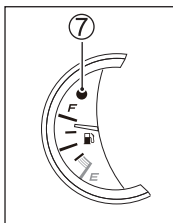
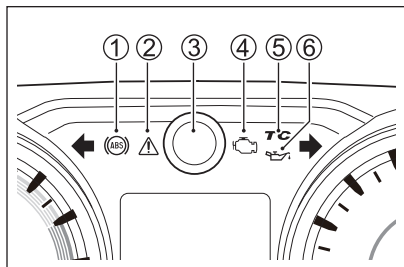
INSTRUMENT PANEL

INITIAL METER DISPLAY

When you turn the ignition switch to ON, the meter will act as follows.

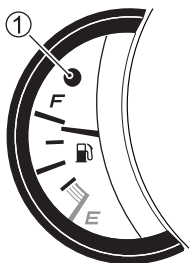
- The opening operation will run for about 3 seconds as indicated via the TFT LCD screen, needles, and lighting.
- The following indicator lights come on for 2 seconds.
 - Malfunction indicator light ④
 - Master warning indicator light ②
 - Engine rpm indicator light ③
 - Fuel indicator light ⑦
 - Engine coolant temperature indicator light ⑧
- The following indicator lights come on.
 - Oil pressure indicator light ⑥
 - ABS indicator light ①
 - Traction control indicator light ⑤

NOTE: Refer to the explanation of each indicator in this section for the turn-off condition.



FUEL METER

The fuel meter indicates amount of gasoline remaining in the fuel tank. The "E" mark indicates the fuel tank is empty or nearly so. The "F" mark indicates the fuel tank is full. This motorcycle is equipped with a fuel indicator light ⑦.



NOTE: The fuel meter will not indicate correctly when the motorcycle is placed on the side stand. Turn the ignition switch to the "ON" position when the motorcycle is held upright.

Fuel Indicator Light

When the fuel drops below approximately 5.0 liters (1.3/1.1 US/Imp. gal), the indicator light comes on. This indicator light is lit for 2 seconds when the ignition switch is turned to the "ON" position, then the indicator light goes out if there is enough fuel in the tank.

NOTICE

Using all of the gasoline in the fuel tank (running out of gasoline) will damage the catalytic converter (if equipped).

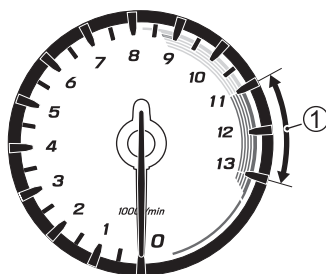
Replenish gasoline before it runs out.

TACHOMETER

The tachometer indicates the engine speed in revolutions per minute (r/min).

<Red zone>

The red zone ① indicates an engine speed range in excess of permissible engine speed. To protect the engine, ride so that the needle does not enter the red zone. Be careful that the engine speed may increase excessively if you shift down at a high riding speed.



TURN SIGNAL INDICATOR LIGHT

“↔”

Operate the right or left turn signal switch to make the turn signal indicator blink.

NOTE: Except when the ESS is operating, if a turn signal light is not operating properly due to an open circuit, the indicator light blinks more quickly to notify the rider of a problem.

ABS INDICATOR LIGHT “”

- This indicator normally comes on when the ignition switch is turned “ON” and turns off after the motorcycle speed exceeds 5 km/h (3 mph).
- If there is a problem with the ABS (Anti-lock Brake System), this indicator light comes on. The ABS does not operate when the ABS indicator light is on.

WARNING

Riding the motorcycle with the ABS indicator light on can be hazardous.

If the ABS indicator light blinks or comes on while riding, stop the motorcycle in a safe place and turn off the ignition switch. Wait a few minutes, turn the ignition switch “ON”, and check whether the indicator light comes on.

- **If the indicator light turns off after starting to ride, the ABS will be functioning.**
- **If it does not turn off after starting to ride, the ABS is not functioning. You should have the system checked by an authorized Suzuki dealer as soon as possible.**

WARNING

The ABS does not operate if the ABS indicator light is lit. Suddenly and overly applying the brakes when the ABS indicator light is lit may cause the wheels to lock, which may result in loss of control.

Have your motorcycle inspected by a Suzuki dealer promptly.

NOTE:

- *If the ABS indicator light turns off after you start the motorcycle but before you begin riding, check the ABS indicator light function by turning the ignition switch off and on. If the ABS indicator light does not come on when the ignition switch is turned on, you should have the system checked by an authorized Suzuki dealer as soon as possible.*
- *The ABS indicator light can turn off if the engine is revved at high speed before you begin riding.*

MASTER WARNING INDICATOR LIGHT “”

When the ignition switch is turned ON, the master warning indicator light comes on for 2 seconds as a lamp check, and then turns off.

The master warning indicator light also turns yellow or red.

When an issue related to the following occurs, the master warning indicator light comes on:

- Engine - related failure
- ABS - related failure
- Battery voltage is low (Red)
- Handlebar switches failure (Yellow)
- Ambient temperature sensor failure (Yellow)
- Motorcycle falls over (Yellow)

For reference, see “DIAGNOSIS DISPLAY” on page 2-19.

NOTE: If the master warning indicator light is lit or blinking, consult your Suzuki dealer immediately.

ENGINE RPM INDICATOR “”

This appears when the engine rpm indicator light is set to on. The display position varies depending on the selection in the main screen.

For details on setting, see “RPM SET” on page 2-40.

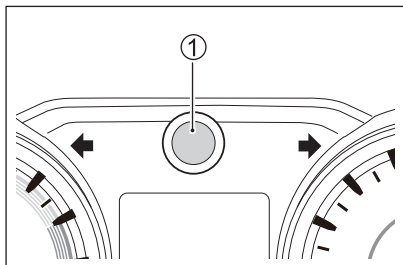
Engine RPM Indicator Light

When engine speed reaches the set value, the engine rpm indicator light ① comes on or blinks green (SUB), yellow (SUB), and white (MAIN) to indicate when to upshift. Methods of lighting and engine speed settings can be changed in the engine rpm indicator light setting mode.

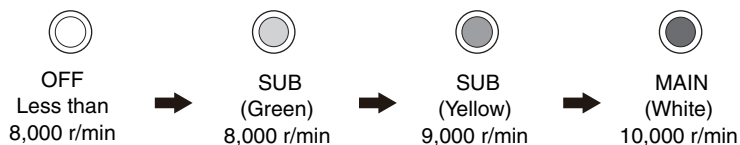
The MAIN (white) can be set to 4,000 to 11,000 and the SUB to 250 ~ 3,000.

The default settings are as follows.

- MODE: OFF
- MAIN: 10,000r/min
- SUB: 1,000r/min
- BRIGHT: 4



Example: When the MAIN is set to 10,000 r/min, and SUB is set to 1,000 r/min



Example: When the MAIN is preset at 10,000 r/min.

SUB preset rpm range	SUB		MAIN (White)
	(Green)	(Yellow)	
250	9,500	9,750	10,000
500	9,000	9,500	10,000
1,000	8,000	9,000	10,000
1,500	7,000	8,500	10,000
2,000	6,000	8,000	10,000
2,500	5,000	7,500	10,000
3,000	4,000	7,000	10,000

Example: When the MAIN is set to 10,000 r/min, and SUB is set to 500 r/min.

Engine rpm and preset rpm (r/min)	SUB			MAIN (White)
	(Green)		(Yellow)	
Engine rpm < 9000	—		—	—
$9000 \leq \text{Engine rpm} < 9500$	○	※ Blink	—	—
$9500 \leq \text{Engine rpm} < 10000$	—		○	※ Blink
$10000 \leq \text{Engine rpm}$	—		—	○
				※ Blink

MALFUNCTION INDICATOR LIGHT



When the ignition switch is turned ON, the malfunction indicator light comes on for 2 seconds as a lamp check, and then turns off.

- (UK, EU)

When there is a malfunction in an emission control device or engine electrical device or the misfire is detected, the malfunction indicator light comes on or blinks.

If the malfunction indicator light comes on or blinks, "FI" appears on the diagnosis display at the same time.

- (Except for UK, EU)

When there is a malfunction in an emission control device or engine electrical device, the malfunction indicator light comes on.

If the malfunction indicator light comes on, "FI" appears on the diagnosis display at the same time.

For details, see "DIAGNOSIS DISPLAY" on page 2-19.

NOTICE

Continuing to run the engine with the malfunction indicator light coming on or blinking may affect the emission device or drivability.

When the light blinks while the engine is running, stop the motorcycle in a safe place immediately in order to avoid damaging the catalytic converter. (UK, EU)

If you ride the motorcycle under this condition, ride at slow speed without opening the throttle "widely" and then have your motorcycle inspected immediately by your Suzuki dealer.

NOTE: If the malfunction indicator light is lit or blinking, consult your Suzuki dealer immediately.

TRACTION CONTROL INDICATOR LIGHT “TC”

Traction control (TC) indicator operation differs depending on the motorcycle settings. For details, see “MOTION TRACK TRACTION CONTROL SYSTEM” on page 2-52.

The traction control indicator:

- Comes on when the ignition switch is turned ON, and turns off when the speed reaches approximately 10 km/h (6 mph) and the traction control system is operable.
- Blinks when the traction control system is operating.
- Lit up constantly when the traction control system is set to OFF.

If the traction control (TC) indicator comes on other than when the ignition switch is turned ON, park the motorcycle in a safe place and turn the ignition switch off. Wait for a short time, start the engine, and then check whether the traction control indicator “TC” and malfunction indicator come on when the motorcycle is traveling at 10 km/h (6 mph) or faster.

- The motorcycle is functioning correctly if the traction control (TC) indicator turns off when the motorcycle is traveling at 10 km/h (6 mph) or faster.
- The motorcycle is not functioning correctly if the traction control (TC) indicator does not turn off when the motorcycle is traveling at 10 km/h (6 mph) or faster. If the light does not go off, consult your Suzuki dealer.

WARNING

When the traction control system malfunctions, the traction control (TC) indicator and malfunction indicator come on at the same time. The traction control system does not operate in these circumstances.

When these indicators come on at the same time, set the traction control system to OFF, and consult your Suzuki dealer.

OIL PRESSURE INDICATOR LIGHT



When the ignition switch is turned on, the oil pressure indicator light comes on. Normally, the oil pressure indicator light turns off after the engine starts.

NOTICE

After starting the engine, opening the throttle or running the motorcycle with the oil pressure indicator light turned on may adversely affect the engine.

Make sure that the oil pressure indicator light has turned off before operating the throttle or running the motorcycle.

NOTICE

Riding the motorcycle or running the engine when the oil pressure indicator light comes on may damage the engine.

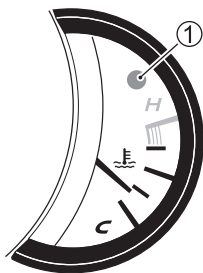
If the oil pressure indicator light comes on, indicating low oil pressure, stop the engine immediately. Check the oil level and add oil if necessary. If there is a proper amount of oil and the light still does not turn off, have your authorized Suzuki dealer or a qualified mechanic inspect your motorcycle.

SPEEDOMETER

The speedometer indicates the road speed in miles per hour or kilometers per hour.

ENGINE COOLANT TEMPERATURE METER

The engine coolant temperature meter indicates coolant temperature. This motorcycle is equipped with an engine coolant temperature indicator light ①.



Engine Coolant Temperature Indicator Light

This indicator light turns on for approximately 2 seconds as a lamp check when the ignition switch is turned on.

This indicator light turns on when the engine coolant temperature reaches the specified value.

If the engine coolant temperature indicator light turns on while riding or idling the motorcycle, move to a safe place and shut off the engine. The motorcycle may have overheated, so see the Troubleshooting section and perform the relevant procedures.

NOTICE

Riding the motorcycle while it is overheating may cause engine damage.

If the engine coolant temperature indicator light turns on, shut off the engine and allow it to cool. Do not start the engine until the engine coolant temperature indicator light turns off.

NOTE: The engine coolant temperature indicator light may appear when idling at high temperature for an extended period.

NEUTRAL INDICATOR LIGHT “N”

The green indicator light will come on when the transmission is in neutral. The light will turn off when you shift into any gear other than neutral.

HIGH BEAM INDICATOR LIGHT


“”

This blue indicator light will be lit when the headlight high beam is turned on.

CLOCK

The time is displayed using a 12-hour, AM/PM system.

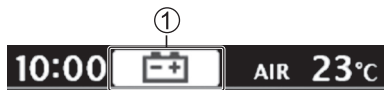


It is adjusted by selecting “DATE & TIME” in the menu. ( 2-48)

DIAGNOSIS DISPLAY

The Diagnosis display shows the current failure information. If any of the following is displayed, immediately contact an authorized Suzuki dealer to have the motorcycle inspected.

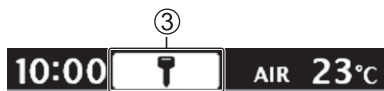
- ① Battery voltage is low



- ② Communication between controllers failed



- ③ Immobilizer not approved



- ④ Engine-related fault detected



- ⑤ Motorcycle fell over



- ⑥ Hill hold function failed



- ⑦ Handlebar switch failed



- ⑧ Ambient temperature sensor failed



NOTE: The engine cannot be started when "CHEC" is displayed. Inspect the below items. If the CHEC display does not disappear, have your motorcycle inspected by a Suzuki dealer.

- Are any fuses blown?
- Are the meter connectors connected?

NOTE: The failure diagnosis function may not work depending on the riding environment (Altitude, temperature, etc.).

AMBIENT TEMPERATURE METER

The ambient temperature meter always shows the ambient temperature.

The temperature display range is from -10°C to 50°C (14°F to 122°F). The ambient temperature meter displays “Lo” when the ambient air temperature is below -10°C (14°F). The ambient temperature meter displays “HI” when the ambient air temperature is above 50°C (122°F).



NOTE:

- Use the temperature display as a guide. This display may not appear correctly when the motor-cycle is stopped or moving at low speed.
- When an error is detected in the ambient temperature sensor, “--” appears in the ambient temperature meter, and “AIR !” appears in the fault diagnostics indicator. The master warning indicator light also turns yellow.

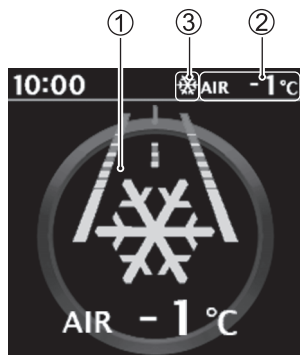
Low Temperature

The freeze mark ① appears on the main screen whenever the ambient temperature falls below 3°C (38°F). The ambient temperature meter ② also blinks for 30 seconds. The freezing indicator ③ is displayed until the ambient temperature rises to 5°C (41°F) or higher.

While freeze mark ① is displayed, the following information appears when the MODE switch or the select switches (Up and Down) are pressed or when conditions are satisfied to display the launch control system screen, cruise control system screen or to activate the active speed limiter.

- Default screen before the freeze mark ① was displayed*
- Ambient temperature meter ② stops blinking
- Freeze indicator ③ turns on

* Not applicable when conditions are satisfied to display the launch screen or the speed control screen.




NOTE:

- Use the temperature display as a guide. This display may not appear correctly when the motor-cycle is stopped or moving at low speed.
- When the freeze mark is lit up, there is a possibility of freezing of the road surface. Therefore, be particularly careful about the condition of the road surface.

SERVICE REMINDER INDICATOR






You can be reminded when the next service is due by setting the date and distance. When the set date or distance has been reached, the service reminder indicator “” comes on. For details, see “SERVICE” on page 2-49.

NOTE: Consult your Suzuki dealer for the appropriate service reminder setting.

HILL HOLD INDICATOR

The hill hold indicator in the LCD display indicates the hill hold operation status, as follows.

Indicator		System status
-	Not Lit	Standby
	Lit	System controlling brakes
	Blinking	Advance notification of brake control release
	Lit	<ul style="list-style-type: none">• System off• System failure

For details about hill hold, see “HILL HOLD” on page 2-67.

NOTE:

- The hill hold indicator blinks to notify the rider about 27 seconds after the brake lever and brake pedal are released. The system is deactivated about 3 seconds after the indicator starts blinking.
- If the battery voltage is low, the ABS indicator light and (H) OFF indicator light temporarily when the engine is started. There is no problem if both lights turn off when the motorcycle speed exceeds 5 km/h (3 mph).

WARNING

Hill hold does not work when “HILL” is displayed on the diagnosis display and the master warning indicator light is lit. When stopping on an uphill slope, the motorcycle may move backward and fall over or cause a crash.

Immediately contact your Suzuki dealer if “HILL” is displayed and the master warning indicator light is lit.

RIDING ASSISTANCE SYSTEM INDICATORS LIST

**PW: 1 TC: 1 LF: 1 EB: 1
QS: 1**

This area displays the configured state of all control systems configurable as riding assistance system indicators. This area is also used to change and save riding assistance system indicators.

Abbreviations of riding assistance system indicators are surrounded by borders in gray. For details, see “RIDING ASSISTANCE SYSTEM SETTINGS” on page 2-51.

INFORMATION WINDOW

Pressing and holding the MODE switch for 2 seconds at the default screen while SDMS or riding assistance system indicators are not selected displays various information in one or two rows as follows.

NOTE: Disconnecting the battery will change the display to a one-row display.

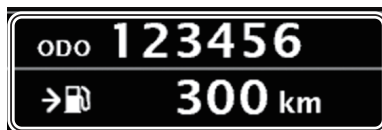
One-row Display

Operate the select switches (Up and Down) to change the indicator in the bordered area.



1-1	ODO	Odometer	2-25
1-2	TRIP1	Trip meter	2-25
1-3	TRIP1 	Average fuel consumption meter (km/L, L/100km)	2-26
1-4	TRIP1 	Cumulative time	2-26
1-5	TRIP2	Trip meter	2-25
1-6	TRIP2 	Average fuel consumption meter (km/L, L/100km)	2-26
1-7	TRIP2 	Cumulative time	2-26
1-8		Voltmeter	2-26
1-9	Instantaneous fuel consumption meter		2-27
1-10		Driving range meter	2-27

Operate the select switches (Up and Down) to change the indicator in the bordered area.

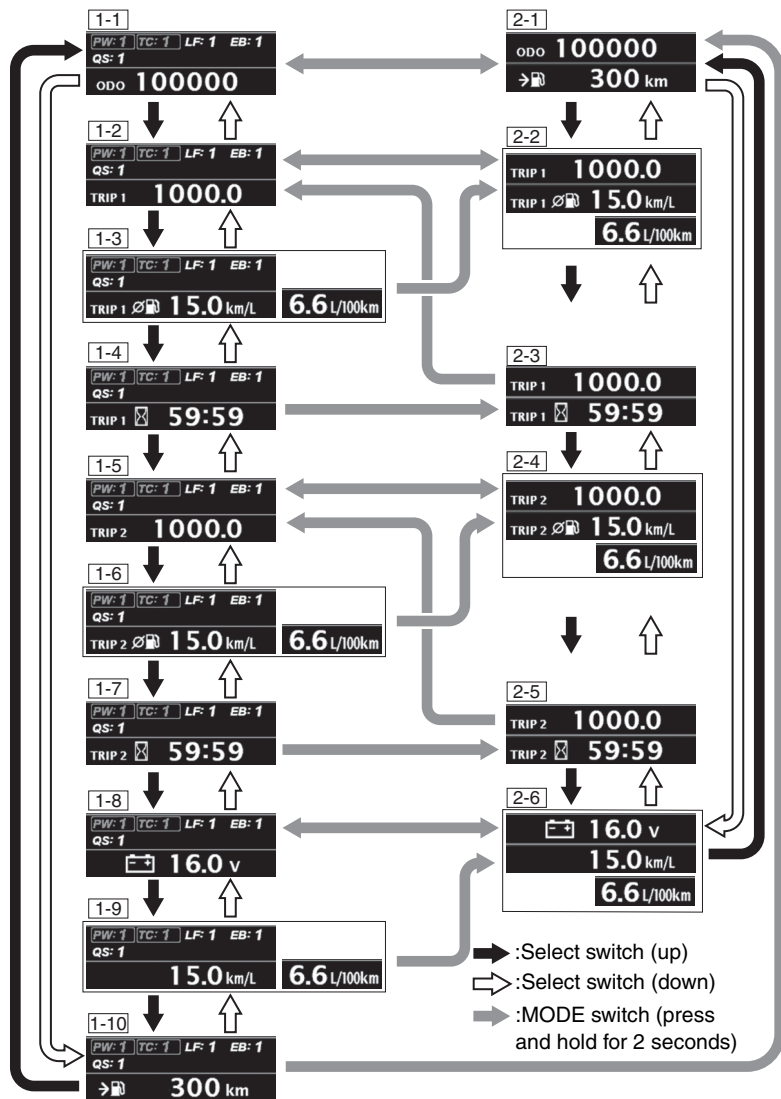


2-1	ODO	Odometer	2-25
		Driving range meter	2-27
2-2	TRIP1	Trip meter	2-25
	TRIP1 	Average fuel consumption meter (km/L, L/100km)	2-26
2-3	TRIP1	Trip meter	2-25
	TRIP1 	Cumulative time	2-26
2-4	TRIP2	Trip meter	2-25
	TRIP2 	Average fuel consumption meter (km/L, L/100km)	2-26
2-5	TRIP2	Trip meter	2-25
	TRIP2 	Cumulative time	2-26
2-6		Voltmeter	2-26
	Instantaneous fuel consumption meter		2-27

How to Set

Use the select switches or MODE switch to change the display.

NOTE: For 1-3, 1-6, 1-9, 2-2, 2-4, 2-6, the unit can be changed. For details, see "USER SEL/UNIT" on page 2-46.



Odometer

ODO 001234

Displays the total distance the motor-cycle has traveled. Up to 999,999 will be displayed.

NOTE:

- If the odometer display exceeds 999,999, it is fixed at 999,999.
- If the display on the speedometer is in both "mph" and "km/h", the display on the odometer will be in "mile".

If the display on the speedometer is only in "km/h", the display on the odometer will be in "km".

Trip Meter

TRIP 1 2345.6

- Distances of up to 9999.9 after a reset will be displayed.
- There are 2 modes, TRIP 1 and TRIP 2.
- Press and hold the select switch (Up) for approximately 2 seconds to reset the display to 0.0. This reset operation only applies to either TRIP 1 or TRIP 2, not both.
- Performing the reset operation while the display is set to one-row display (1-2, 1-5) or two-row display (2-2 to 2-5) to also resets the corresponding average fuel consumption meter and cumulative time.

NOTE:

- When the trip meter exceeds 9999.9, the trip meter will return to 0.0 and start counting again.
- If the display on the speedometer is in both "mph" and "km/h", the display on the trip meter will be in "mile".

If the display on the speedometer is only in "km/h", the display on the trip meter will be in "km".

Average Fuel Consumption Meter

TRIP 1  24.0 km/L

TRIP 1  4.1 L/100km

TRIP 1  56.5 MPG US

TRIP 1  67.5 MPG IMP

- This meter displays the fuel consumption for the distance traveled for both TRIP A and TRIP B. Displays are in the following ranges.
 - km/L, MPG US, MPG IMP: 0.1 to 99.9
 - L/100 km: 2.0 to 99.9
- To reset average fuel consumption meter, reset the trip meter.
- When the trip meter is displaying 0.0, average fuel consumption meter is displayed as 0.0.

NOTE: The display shows estimated values, which may not be the same as actual values.

Trip Meter Cumulative Time

TRIP 1  99:59

- This meter displays the cumulative time of the main switch being on, up to maximum of 99:59 counting from the last reset of the corresponding trip meter until the present time.
- Resetting the trip meter also resets the corresponding cumulative time.

Voltmeter

 16.0 v

The voltmeter displays the battery voltage within the range of 10.0 to 16.0V.

NOTE:

- The displayed value may differ from the value of other instruments.
- If a voltage below 12.0 V is frequently displayed, have the motorcycle inspected by an authorized Suzuki dealer.

Instantaneous Fuel Consumption Meter

24.0 km/L

4.1 L/100km

56.5 MPG US

67.5 MPG IMP

This meter displays the instantaneous fuel consumption within the following ranges as the motorcycle is being ridden.

- km/L: 0 - 50
- MPG US, IMP: 0 - 99
- L/100km: 2.0 - 50

NOTE:

- Fuel consumption is not measured when the motorcycle speed is 3 km/h (3 mph) or less.
- The display shows estimated values, which may not be the actual values.

Driving Range Meter



300 km

The driving range meter displays estimated driving range (distance) based on the remaining fuel. The driving range is recalculated when you refuel, but the indication may not change when only a small amount of fuel is added.

The driving range will not be recalculated when the motorcycle is placed on the side stand. Check the estimated driving range (distance) when the side stand is retracted. When the battery is disconnected, the driving range meter will be reset. When this happens, the meter indicates “— —” until the motorcycle is ridden for a certain distance.

NOTE:

- Estimated driving range (distance) is an estimated value. The display may differ from the actual distance traveled, so we recommend that you refuel early.
- The meter does not use the average fuel consumption value to calculate driving range (distance) and the calculation result may not be the same as indicated by the average fuel consumption meter.

MENU

Menu Items

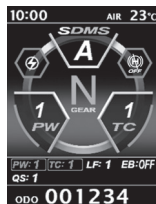
The MENU includes the following items.

See the reference information for details.

- DISPLAY (☞ 2-29)
- RIDING SET (☞ 2-38)
- RPM SET (☞ 2-40)
- HILL HOLD SET (☞ 2-44)
- BRIGHTNESS (☞ 2-45)
- USER SEL/UNIT (☞ 2-46)
- DATE/TIME (☞ 2-48)
- SERVICE (☞ 2-49)
- DEFAULT SET (☞ 2-50)

“MENU” Screen

Press and hold the select switch (Down) on the default screen to display the “MENU” screen. Use the select switches (Up and Down) to select the desired menu item and then press the MODE switch to confirm the selection.



“MENU” screen

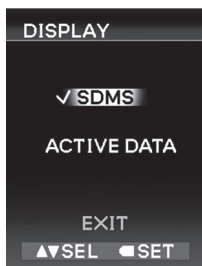
NOTE:

- The display switches to the “MENU” screen only when the motorcycle speed is less than 10 km/h (6 mph).
- The display transitions from the “MENU” screen to the default screen in the following scenarios.
 - Selecting “EXIT”
 - Motorcycle speed reaches at least 10 km/h (6 mph)
 - Pressing and holding the MODE switch

DISPLAY

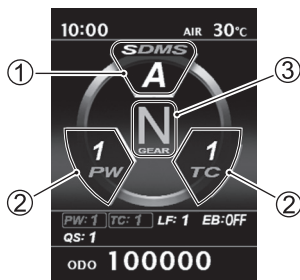
Selecting the Default Screen

From the default screen, use the select switches (Up and Down) to select the “SDMS” or “ACTIVE DATA” screen and then press the MODE switch to confirm the selection. Select “EXIT” to return to the “MENU” screen.



“SDMS” Screen

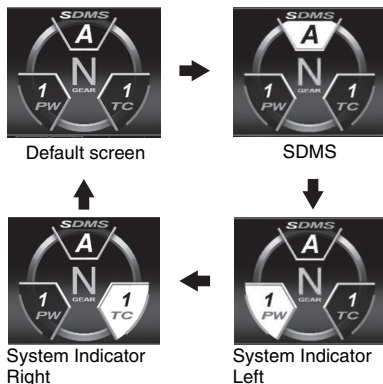
The following information appears on the “SDMS” screen.



- ① SDMS-α (Suzuki drive mode selector alpha) (👉 2-30)
- ② Riding assistance system indicator (L, R) (👉 2-32)
- ③ Gear position indicator (👉 2-36)

Operation Procedure

Press the MODE switch while the default screen is displayed to highlight the indicators that are configurable. After making a selection, use the select switches (Up and Down) to change settings.



NOTE: The information window blinks twice when the display transitions from the riding assistance system indicator (R) to the default screen.



SDMS- α (Suzuki drive mode selector alpha)



Use this selector to display and switch the "SDMS" setting.

NOTE:

- *SDMS- α is abbreviated and displayed as SDMS on the instrument panel. In this owner's manual too, SDMS is used in the description to maintain consistency with the display on the instrument panel.*
- *When changing the mode, do it with the throttle closed. Mode change is unavailable when the throttle is opened.*
- *If SDMS mode and the control level cannot switch with the throttle closed, stop the motorcycle in a safe place and turn off the ignition switch.
If SDMS mode and the control level switching stops when the ignition switch is turned on again, you should have the system checked by an authorized Suzuki dealer as soon as possible.*

<SDMS>

"SDMS" is a feature that offers the rider a selection of 6 riding assistance system modes with 5 different control levels. Use these modes in accordance with riding conditions and desired use, such as weather, speed, road conditions, and level of traffic.

The available modes include A, B, C, U1, U2, and U3.

- A, B and C (Suzuki configurations): The control level can be changed but not saved. If the control level has been changed, it reverts to the initial value when you turn off the ignition switch.
 - A: Active ... This mode is suitable for experienced riders when they want to use the full capabilities of the motorcycle.
 - B: Basic ... This mode is the standard mode for varied forms of riding from riding around the city to winding around a curvy road.
 - C: Comfort ... This mode is suitable for beginners and when riding in rainy weather
- U1, U2, U3 (user configurations): The control level can be changed and saved.

Initial mode setting

SDMS		PW	TC	LF	EB	QS
[S]	A	1	1	1	OFF	1
	B	2	5	5	OFF	1
	C	3	10	10	OFF	2
[U]	U1	1	1	1	OFF	1
	U2	2	5	5	OFF	1
	U3	3	10	10	OFF	2


[S]: Suzuki configurations.... Not configurable


[U]: User configurations... Configurable

PW: Power mode selector (👉 2-51)

TC: Traction control system (👉 2-52)

LF: ANTI-LIFT control system (👉 2-54)

EB: Engine brake control system
( 2-55)

QS: Bi-directional quick shift system
( 2-56)

NOTE: See the reference information for details on the riding assistance system.

<Changing modes>

Use the select switches (Up and Down) while the “SDMS” is highlighted to change modes.


$$A \leftrightarrow B \leftrightarrow C \leftrightarrow U1 \leftrightarrow U2 \leftrightarrow U3$$

NOTE:

- Modes configured to be hidden via the “MENU” setting in USER SEL/UNIT (2-46) will not appear.
- When switching SDMS mode with a switch, ensure that SDMS mode is completely switched before performing other operations.

Riding assistance system indicator (L, R)



Use this selector to switch the display to the riding assistance system setting.

With this motorcycle, you can set one riding assistance system mode each on the L side and R side.

- Power mode selector (☞ 2-51)
- Traction control system (☞ 2-52)
- ANTI-LIFT control system (☞ 2-54)
- Engine brake control system (☞ 2-55)
- Bi-directional quick shift system (☞ 2-56)

See the reference information for details on each system.

NOTE:

- When a system setting is changed, only the outline of “SDMS” appears. For details, see “Changing riding assistance system settings” on page 2-40.
- When changing the mode, do it with the throttle closed. Mode change is unavailable when the throttle is opened.
- If SDMS mode and the control level cannot switch with the throttle closed, stop the motorcycle in a safe place and turn off the ignition switch.

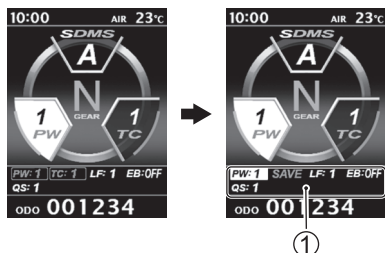
If SDMS mode and the control level switching stops when the ignition switch is turned on again, you should have the system checked by an authorized Suzuki dealer as soon as possible.

<Selecting a system to appear>

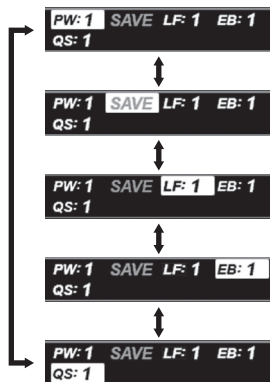
Selection: Select switch (Up, Down)

Confirmation: MODE switch

1. Make sure either the riding assistance system indicator “L” or “R” is highlighted. Then, press and hold the MODE switch for 2 seconds to display the riding assistance system indicator list ①.



2. Select the system to be set as the riding assistance system indicator “L” or “R”. Once confirmed, the display simultaneously changes to the selected indicator.



Ex.: Changing to LF



NOTE: As for the riding assistance system indicator list, “SAVE” is displayed for the items selected in the “R” frame when the “L” frame has been selected, and “SAVE” is displayed for the items selected in the “L” frame when the “R” frame has been selected.

<Changing the control level>

1. Make sure either the "L" or "R" riding assistance system indicator is highlighted. Then, use the select switches (Up and Down) to change the control level.

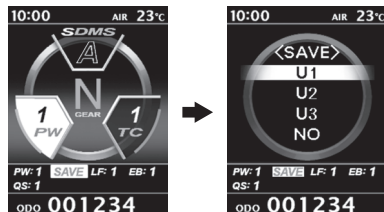
Ex.: PW (Power Mode selector) is set



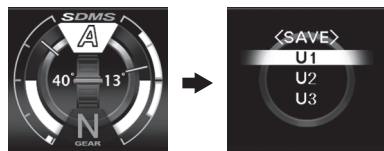
NOTE:

- See RIDING SET (2-38) for more information on the control level ranges available for each system.
- When a system setting is changed, only the outline of "SDMS" appears. For details, see "Changing riding assistance system settings" on page 2-40.

2. To save the control level you just changed, select "SAVE" and then select the desired mode (U1, U2, or U3).



- If you move to the "ACTIVE DATA" screen when the setting values of the riding assistance system have been changed, the "SAVE" screen is displayed.

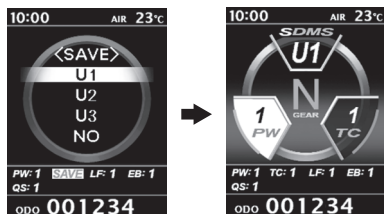


NOTE:

- If the cruise control switch or any other switch is operated while the "SAVE" screen is being displayed, the "SAVE" screen may be canceled. In such a case, the settings of the driving assistance system are not saved.
- The setting values of the riding assistance system cannot be saved during riding. Save the setting values after stopping the motorcycle.

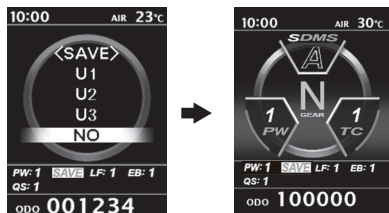
- Selecting U1, U2, or U3
Confirming the mode to which the change is saved changes the display to the selected mode.

Ex.: Selecting “U1” for the save operation



NOTE: If you save to a mode that is configured to be hidden via the “USER” (SDMS) display settings, the saved mode will appear in “SDMS”.

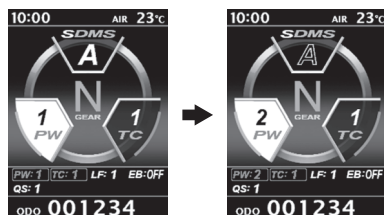
- Selecting “NO”
Selecting “NO” changes the display to the default screen.



<Changing the riding assistance system settings>

When a riding assistance system setting is changed, only the outline of “SDMS” appears as shown below.

Ex.: Changing the PW (Power Mode selector) setting from 1 to 2



Changing to a desired setting does not automatically save the change. Make sure to save before turning OFF the main switch. For saving procedures, see “Changing riding assistance system settings” on page 2-40.

⚠ WARNING

Riding without checking if the control level has changed may lead to a crash due to an unexpected amount of control being applied.

Before riding, check the “SDMS” display to see if any settings have changed.

Gear Position Indicator

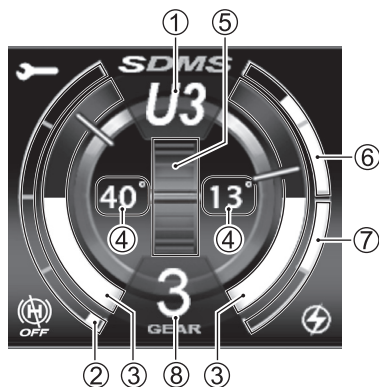
The gear position indicator displays gear position. This indicator displays “N” when the transmission is in neutral.

NOTE: When the display indicates “CHEC” in the diagnosis display, the gear position indicator does not indicate a number but indicates “-”.



“ACTIVE DATA” Screen

The following information appears on the “ACTIVE DATA” screen.



- ① SDMS-α (Suzuki drive mode selector alpha) (📖 2-51)
- ② Throttle opening (📖 2-36)
- ③ Bank angle (L/R) (📖 2-37)
- ④ Maximum bank angle (L/R) (📖 2-37)
- ⑤ Forward/backward acceleration (📖 2-37)
- ⑥ Brake pressure (front) (📖 2-37)
- ⑦ Brake pressure (rear) (📖 2-37)
- ⑧ Gear position indicator (📖 2-36)

<Operation procedure>

At the default screen, press the MODE switch to highlight “SDMS”. After making a selection, use the select switches (Up and Down) to change settings.

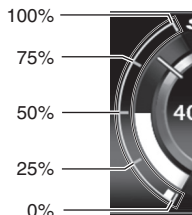


Default screen



Highlight

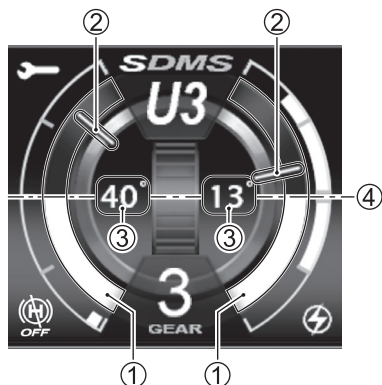
<Throttle opening>



The throttle opening is highlighted in accordance with throttle operation.

NOTE: Use the throttle opening display as a guide.

<Bank angle (L/R), Maximum bank angle (L/R)>



- ① Bank angle (L/R)
- ② Peak hold bar (L/R)
- ③ Maximum bank angle (L/R)
- ④ Standard level (0°)

The bank angles (L, R) ① are highlighted in accordance with the bank angle of the motorcycle as you are riding. The deepest bank angle is displayed by the peak hold bars (L, R) ②.

The maximum bank angles (L, R) ③ are displayed in numeric format while riding.

NOTE:

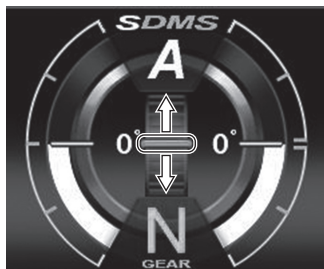
- Perform the following operation to reset the bank angle.
 - Turn off the ignition switch.
 - Press and hold the select switch (Up) for approximately 2 seconds while "SDMS" is selected.
- Use the bank angles (L, R) and maximum bank angles (L, R) display as a guide.

⚠ WARNING

Concentrating on the meters and switches while riding is dangerous.

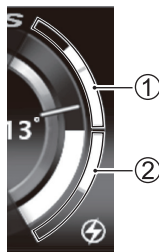
Avoid gazing at the meter or switch while driving.

<Forward/backward acceleration>



The information displayed here changes in accordance with the rate of acceleration during acceleration and deceleration operations.

<Front brake pressure/Rear brake pressure>



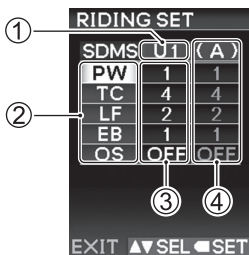
- ① Front brake pressure
- ② Rear brake pressure

The brake pressure for the front brake and rear brake is highlighted in accordance with the operation of the front brake and rear brake.

RIDING SET

Perform the following procedure to configure the SDMS (2-30) U1, U2, and U3 modes.

Settings



- ① Selected SDMS mode
- ② Riding assistance system settings
 - PW: Power mode selector (2-51)
 - TC: Traction control system (2-52)
 - LF: ANTI-LIFT control system (2-54)
 - EB: Engine brake control system (2-55)
 - QS: Bi-directional quick shift system (2-56)
- ③ Current riding assistance system setting
- ④ Setting reference value

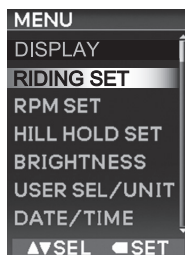
NOTE:

- See the reference information for more information on the features of each system.
- To change to the settings of your choice, it is recommended to first look for the settings that are closest to your choice from the "Setting reference value", and then move closer to the settings of your choice by changing the control level of the respective riding assistance system.
- The settings saved in U1, U2, U3 are retained even when the battery is removed.

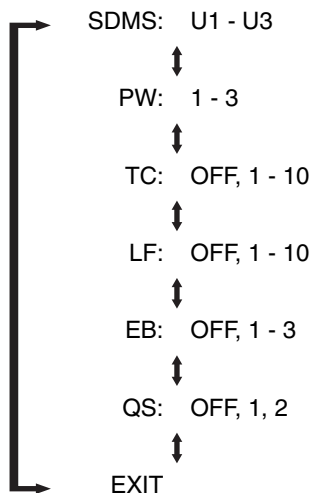
How to Set

Selection: Select switch (Up, Down)
Confirmation: MODE switch

1. Select "RIDING SET" in "MENU" to confirm.



2. Select and confirm the desired SDMS mode and riding assistance system. The following features can be configured within the following ranges.



[SDMS]

RIDING SET		
SDMS	U1	(A)
PW	1	1
TC	4	4
LF	2	2
EB	1	1
QS	OFF	OFF
EXIT ▲▼SEL ◀▶SET		

U1
↓
U2
↓
U3

NOTE: Reference values appear as follows in the right columns in accordance with the SDMS mode.

U1 ↔ (A), U2 ↔ (B), U3 ↔ (C)

[PW, TC, LF, EB, QS]

Ex.: PW

RIDING SET		
SDMS	U1	(A)
PW	1	1
TC	4	4
LF	2	2
EB	1	1
QS	OFF	OFF
EXIT ▲▼SEL ◀▶SET		

1
↓
2
↓
3

NOTE:

- Settings are saved to the selected SDMS mode as soon as they are changed.
- If no operation is performed for 10 seconds while configuring a mode or numeric values, the current value is set, and then the item becomes selectable again.
- These settings cannot be configured while riding. If you operate the throttle while configuring settings, the currently selected value is set, and the display returns to the default screen.

Forced exit of settings

When any of the following conditions is satisfied during the display of the setting screen, the values being set are confirmed and the settings are forcibly exited.

- The MODE switch is pressed and held
- The motorcycle speed is input
- The hill hold indicator is blinking
- The ignition switch is OFF

- Select "EXIT" to return to the "MENU" screen.

RIDING SET		
SDMS	U1	(A)
PW	1	1
TC	4	4
LF	2	2
EB	1	1
QS	OFF	OFF
EXIT ▲▼SEL ◀▶SET		

➔

MENU	
DISPLAY	
RIDING SET	
RPM SET	
HILL HOLD SET	
BRIGHTNESS	
USER SEL/UNIT	
DATE/TIME	
▲▼SEL ◀▶SET	

Changing riding assistance system settings

Selection: Select switch (UP, DOWN)

Confirmation: MODE switch

When changing riding assistance system settings on the default screen, only the outline of "SDMS" appears. If you try to transition from the "MENU" screen to "RIDING SET" at this time, the following "SAVE" screen appears. Make sure to select the desired mode and save. Select "NO" if you do not want to save.

The display transitions to the "RIDING SET" screen after saving.

Changing the riding assistance system settings



Transitioning to "RIDING SET"

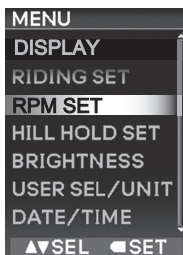


U1 ↔ U2 ↔ U3 ↔ NO

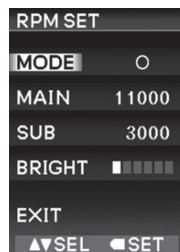
RPM SET

To set the engine speed, take the following steps.

1. From "MENU" indication, select "RPM SET" and press the MODE switch. "RPM SET" starts blinking and the display moves to setting screen.



2. By pressing the select switch (Up or Down), the selected item is highlighted in the following order.
MODE ↔ MAIN ↔ SUB ↔ BRIGHT ↔ EXIT ↔ MODE



The setting screen has the following items 1 to 5.

1. MODE

Set the lighting (LIGHT, BLINK, OFF) of the engine rpm indicator light MAIN (white) and SUB (green, yellow).

2. MAIN

Set the lighting timing of the MAIN (white).

3. SUB

Set the lighting timing of SUB (green, yellow).

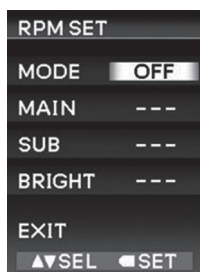
4. BRIGHT

Set the brightness of the MAIN (white) and SUB (green, yellow).

5. EXIT

Exit the setting and the display moves to "MENU" screen.

NOTE: When "OFF" is selected in the "MODE" setting, "MAIN", "SUB", and "BRIGHT" cannot be selected. In this case, select LIGHT "O" or BLINK "⚡" in the "MODE" setting. (☞ 2-40)



Forced exit of settings

When any of the following conditions is satisfied during the display of the setting screen, the values being set are confirmed and the settings are forcibly exited.

- The MODE switch is pressed and held
- The motorcycle speed is input
- The hill hold indicator is blinking

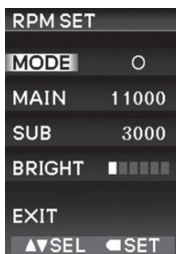
NOTE:

- When the battery terminal is reconnected, be sure to set the engine rpm indicator light setting again.
- Make sure to reset the engine rpm indicator light after reconnecting battery terminals.
- Settings will be at the following defaults after reconnecting battery terminals.
 - MODE: OFF
 - MAIN: 10,000
 - SUB: 1000
 - Brightness: Level 4
- Turning off the ignition switch while configuring settings will result in all changes not being saved.
- The configuration process will finish after no operation of switches for 10 seconds. Changes up to that point will be saved.

MODE (lighting mode) Setting

Set the lighting mode of the engine rpm indicator lights using the following procedure.

1. While "MODE" is selected, press the MODE switch to move to the setting screen.



2. Press the select switch (Up or Down) to select the lighting mode (LIGHT, BLINK, OFF) of the engine rpm indicator lights. The engine rpm indicator "⚡" is interlinked with the selection of LIGHT or BLINK.

Indication patterns of the engine rpm indicator lights and engine rpm indicator "⚡" are shown below.

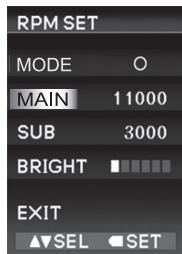
MODE	LIGHT "○"	BLINK "⚡"	OFF
MAIN	○	⚡ Blink	—
SUB	○	⚡ Blink	—
Engine rpm indicator "⚡"	⚡	⚡	—

3. Press the MODE switch to confirm the setting and return to the setting screen.

MAIN (engine rpm preset MAIN) Setting

Set the preset rpm for the engine rpm indicator light (MAIN) using the following procedure.

1. While "MAIN" is selected, press the MODE switch to move to the setting screen.

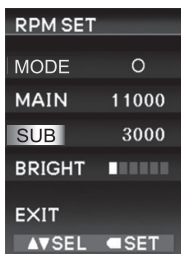


2. Press the select switch (Up or Down) to set the preset rpm.
 - The setting range is from 4,000r/min to 8,000r/min in increments of 500r/min.
 - The setting range is from 8000r/min to 11,000r/min in increments of 250r/min.
 - The tachometer indicates the preset rpm and the MAIN (White) turns on/blinks depending on the mode.
3. Press the MODE switch to confirm the setting and return to the setting screen.

SUB (engine rpm preset SUB) Setting

Set the preset rpm for the engine rpm indicator light (SUB) using the following procedure.

1. While "SUB" is selected, press the MODE switch to move to the setting screen.

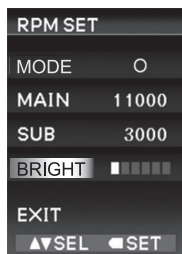


2. Press the select switch (Up or Down) to set the preset rpm.
250 r/min ↔ 500 r/min ↔
1,000 r/min ↔ 1,500 r/min ↔
2,000 r/min ↔ 2,500 r/min ↔
3,000 r/min ↔ 250 r/min
3. Press the MODE switch to confirm the setting and return to the setting screen.

BRIGHT (engine rpm indicator brightness)

Set the brightness of the engine rpm indicator light using the following procedure.

1. While "BRIGHT" is selected, press the MODE switch to move to the setting screen.



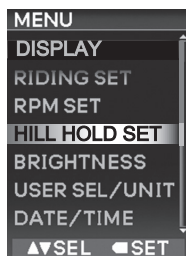
2. Press the select switch (Up or Down) to set the brightness. The adjustment range is in 6 steps from "1" (Lowest) to "6" (Highest).
3. Press the MODE switch to confirm the setting and return to the setting screen.

HILL HOLD SET

This sets the hill hold function. When hill hold is set ON, the function assists with pulling away again after stopping on an uphill slope.

For details about hill hold system, see “HILL HOLD” on page 2-67.

1. From the “MENU” indication, select “HILL HOLD SET” and press the MODE switch. “HILL HOLD SET” starts blinking and the display moves to the setting screen.



2. Press the select switch (Up or Down) to select ON or OFF. The selected item is highlighted.



<ON>

The hill hold function is enabled. When the function is set to ON, the hill hold indicator ① comes on, turns off, or blinks according to the system operation status.



<OFF>

The hill hold function is disabled. When the function is set to OFF, the following hill hold indicator ② comes on.



- After selecting ON or OFF, press the MODE switch to confirm the setting. Check mark "✓" appears next to confirmed items. Confirming an item returns to the "MENU" screen.



NOTE: This item cannot be set to ON if the hill hold control system is experiencing an error.

Forced exit of settings

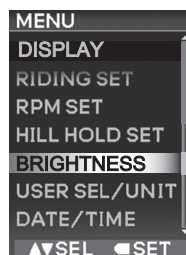
When any of the following conditions is satisfied during the display of the setting screen, the values being set are confirmed and the settings are forcibly exited.

- The MODE switch is pressed and held
- The motorcycle speed is input
- The hill hold indicator is blinking
- The ignition switch is OFF

BRIGHTNESS

This setting is used to adjust the brightness of the instrument panel backlight within a range of 6 levels. Brightness is set to level 4 by default.

- Select "BRIGHTNESS" in the "MENU" screen and press the MODE switch. After "BRIGHTNESS" blinks, move to the setting screen.



- Press the select switch (Up or Down) to set the brightness level. The set level appears in a brighter contrast.



- Press the MODE switch to confirm the setting. Confirming an item returns to the "MENU" screen.

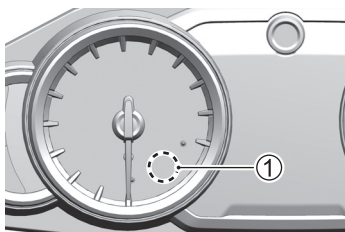
Forced exit of settings

When any of the following conditions is satisfied during the display of the setting screen, the values being set are confirmed and the settings are forcibly exited.

- The MODE switch is pressed and held
- The motorcycle speed is input
- The hill hold indicator is blinking
- The ignition switch is OFF

NOTE:

- The instrument panel is provided with a photo sensor ①, which automatically adjusts the brightness of the TFT and dial according to the surrounding brightness. If the photo sensor is covered, automatic light adjustment may not function correctly.

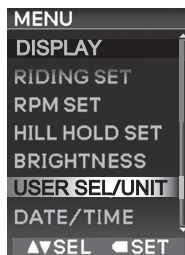


- If the TFT display becomes hot, the screen may become dark. Once the temperature drops, the screen returns to the normal condition. However, if the screen continues to remain dark, consult your Suzuki dealer to have the motorcycle inspected.

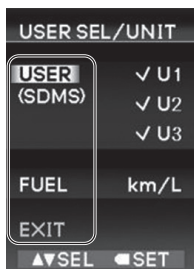
USER SEL/UNIT

How to Set

1. Select "USER SEL/UNIT" in the "MENU" screen and press the MODE switch. After "USER SEL/UNIT" blinks, move to the setting screen.



2. Press the select switch (Up or Down) to select an item ("USER (SDMS)", "FUEL", or "EXIT") and press the MODE switch to confirm.



Forced exit of settings

When any of the following conditions is satisfied during the display of the setting screen, the values being set are confirmed and the settings are forcibly exited.

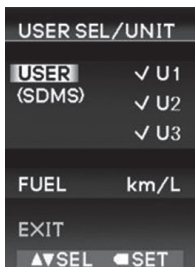
- The MODE switch is pressed and held
- The motorcycle speed is input
- The hill hold indicator is blinking
- The ignition switch is OFF

<USER (SDMS)>

This setting is used to enable/disable different options for each SDMS user setting mode (U1/U2/U3).

Enabling an option makes it selectable, and disabling an option causes it to appear gray and unselectable.

Only the user modes (U1, U2, and U3) that have check marks appear on the default "SDMS" screen.



Ex.: Default "SDMS" screen (when U1 is selected)

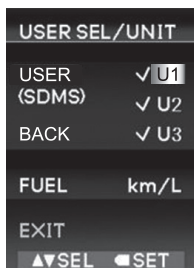


U1, U2, U3:

Selecting an option enables it. Deselecting an option disables it.

BACK:

The screen returns to the "USER SEL/UNIT" setting screen.



NOTE: Modes selected for SDMS cannot be configured.

<FUEL>

Used to set the fuel unit.

Used to set the notation to "km/L (MPG US)" or "L/100km (MPG IMP)".

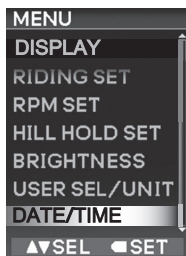
<EXIT>

The screen returns to the "MENU" screen.

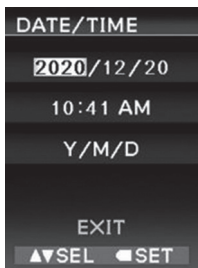
DATE/TIME

Set the date and time using the following procedure.

1. From the "MENU" indication, select "DATE/TIME" and press the MODE switch. "DATE/TIME" starts blinking and the display changes to setting screen.



2. Press the SELECT switch (Up or Down) to select the year, month, day, hour, minute, or date order. The selected item is highlighted. The order of the year, month, and day indications can be selected from the following 3 patterns.
 - Y/M/D (Year, Month, Day)
 - M/D/Y (Month, Day, Year)
 - D/M/Y (Day, Month, Year)



3. Press the select switch (Up or Down) to select the display order of the year, month, day, hour, and minute.
4. Selecting an item with the MODE switch returns to the item selection screen.

Forced exit of settings

When any of the following conditions is satisfied during the display of the setting screen, the values being set are confirmed and the settings are forcibly exited.

- The MODE switch is pressed and held
- The motorcycle speed is input
- The hill hold indicator is blinking
- The ignition switch is OFF

NOTE:

- The year can be set from 2020 to 2099.
- If the switch is not operated for 10 seconds while setting the date, time, or display order, the displayed settings are confirmed and set.
- When the battery terminals are reconnected, date and time are reset. In such case, set them again.

SERVICE

“Service Reminder” is a function that tells you when the next service is due by a date and distance indication and an indicator light.

WARNING

Continuing to ride the motorcycle without performing required maintenance can adversely affect the motorcycle and may lead to a crash.

Use the service reminder to remind you when it is time to have maintenance performed. Ask your Suzuki dealer to perform the service and to reset the service reminder.

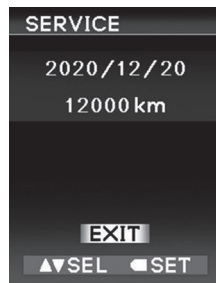
NOTE: Consult your Suzuki dealer for the appropriate service reminder setting.

From the “MENU” indication, select “SERVICE” and press the MODE switch. “SERVICE” starts blinking and the display moves to the setting screen.




<Before the service reminder indicator comes on>

- The set date is indicated.
- The remaining distance to the set distance is indicated.



<When the service reminder indicator comes on>

- The “” marks are indicated when the set date or distance has been reached.
- Regardless of which is reached first, distance or date, the distance is indicated with “-km” or “-mile” and the date is indicated with the set date.
- When the ignition switch is turned ON, you are notified that the service interval has been reached for 2 seconds.



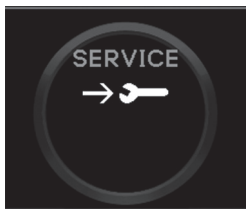
<Opening advance notice screen>

When 1 month or 1000 km (600 mile) remains before the set date or distance, advance notice of the service interval (inspection date, remaining distance) is indicated for 2 seconds when the ignition switch is turned ON.



<Opening alarm screen>

If the service reminder indicator comes on, an alarm screen is indicated for 2 seconds when the ignition switch is turned ON.



DEFAULT SET

This item is used to reset all "MENU" settings to factory defaults.

To reset settings, select "YES" and then press the MODE switch to confirm.



NOTE: Once reset, the previous configuration cannot be restored.

Factory default condition

- DISPLAY: SDMS
- BRIGHTNESS: Level 4
- RPM SET
 - MODE: OFF
 - MAIN: 10,000 [r/min]
 - SUB: 1,000 [r/min]
 - BRIGHT: Level 4
- UNIT: km/L
- USER SEL
 - U1: Enabled
 - U2: Enabled
 - U3: Enabled

RIDING ASSISTANCE SYSTEM SETTINGS

POWER MODE SELECTOR

The power mode selector is used to select from three modes (PW1 - 3) of different output characteristics in relation to throttle operation.

These different output characteristics are described below.

PW1 ①

PW1 provides sharp throttle response at all throttle openings to obtain maximum engine power.

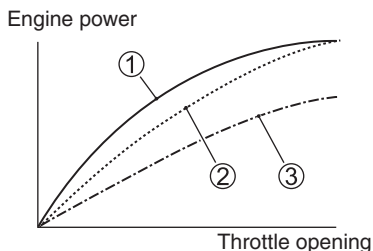
PW2 ②

PW2 provides milder throttle response than PW1 up to middle throttle openings.

PW3 ③

- PW3 provides milder throttle response than PW2 up to high throttle openings.
- Output at full-throttle is restricted in comparison to PW1 and 2.

Power Mode Characteristics



NOTE:

- Operating the power mode selector while the motorcycle is traveling changes the engine speed and output, and may adversely affect riding stability.
- The SDMS blinks when the power mode change operation has failed.

MOTION TRACK TRACTION CONTROL SYSTEM

When the traction control system senses rear wheel spin during acceleration, it automatically controls engine power output to restore the gripping power of the rear tire. The traction control indicator light "TC" blinks when the traction control system is controlling engine power output.

WARNING

The system may not function properly if non-specified tires are used. This could cause a crash.

When replacing tires, be sure to use the specified tires.

WARNING

Overreliance on the traction control system can be hazardous.

The traction control system cannot provide control to limit rear wheel spin under certain conditions. The system cannot control rear wheel spin resulting from high speed cornering, excessive bank angle, braking operation, or engine braking effect. Be sure to operate the motorcycle at an appropriate speed according to your riding skill, weather, and road conditions.

WARNING

If the settings have been turned OFF, the system does not perform control. Therefore, riding beyond one's ability could result in an a crash.

Ride the motorcycle within your capabilities.

NOTE:

- When the traction control system is controlling engine power output, the engine sound and exhaust sound will change.
- When the front or rear tires do not stay in full contact with the road surface, such as when riding on a bumpy road, the traction control system will regulate engine power output.
- When the traction control system is regulating engine power output, the engine speed will not increase even if the throttle grip is operated to increase engine power. If this happens, close the throttle completely to restore the normal condition.
- Before riding, check the setting mode on the traction control system indicator in the instrument panel.

The traction control system can be turned OFF or can be set to one of 10 sensitivity settings (TC1 - 10).

The traction control system regulates the engine output so as to reduce the rear wheel's free spinning. The sensitivity level is the lowest in TC1 and is the highest in TC10.

If "TC OFF" is selected, the engine output is not regulated even when the rear wheel spins freely.

Mode Setting

Control modes can be changed with the riding assistance system indicators on the "SDMS" screen or with "RIDING SET" in "MENU".

See the next page for changing procedures.

- Riding assistance system indicators (🔍 2-32)
- RIDING SET(🔍 2-38)

WARNING

Concentrating on the meters and switches while riding is dangerous.

If you must change the traction control system mode while riding, be sure to pay sufficient attention to the safety of your surroundings.

NOTE:

- *Be sure to keep the throttle fully closed when changing the mode. If the change of mode is not possible because the throttle is not fully closed, the selected mode on the traction control system indicator blinks.*
- *If the mode cannot be changed, the indicator blinks when select switch (Up or Down) is pressed.*

ANTI-LIFT CONTROL SYSTEM

The anti-lift control system helps to keep the front wheel from significantly lifting during acceleration.

The system calculates the proper throttle opening based on the current motorcycle speed, engine speed, gear position, and other factors to control the throttle opening so that it does not increase more than necessary even if the throttle is operated. This system also minimizes front wheel lift when detected.

NOTE: The anti-lift control system is not capable of controlling front wheel lift under all conditions. Front wheel lift can occur more easily on bad roads, sloped roads, and when the back of the motorcycle is carrying a load.

Mode Setting

The anti-lift control system has 10 levels (LF1 - 10) of selectable control and can also be completely disabled ("OFF"). Lift is less likely the higher the mode number.

OFF: Control is disabled.

LF1: Minimal control

LF10: Maximum control

NOTE: This system does not activate when the mode is set to OFF or when the master warning indicator or malfunction indicator are on or blinking due to the sensors or system experiencing an abnormality.



WARNING

If the settings have been turned OFF, the system does not perform control. Therefore, riding beyond one's ability could result in an a crash.

Ride the motorcycle within your capabilities.

ANTI-LIFT CONTROL SYSTEM INDICATOR



While the anti-lift control system is active, the anti-lift control system indicator blinks in the SDMS display location.

For details, see “ANTI-LIFT CONTROL SYSTEM” on page 2-54.



Blink Condition

The indicator blinks when the throttle is opened significantly while the anti-lift control system is active.

NOTE: The select switches (Up and Down) do not function while the indicator is blinking.

ENGINE BRAKE CONTROL SYSTEM

The engine brake control system allows you to select the effect of engine brake that occurs when the throttle is fully closed. This system regulates the throttle valve opening and amount of fuel injected into cylinder(s).

This system has 3 levels (EB1 - 3) of control and can also be completely disabled “OFF”. Engine braking is strongest when this system is disabled “OFF”.

The effect of engine braking is decreased as the mode number increases.

OFF: Control is disabled. Engine braking is maximized.

EB3: Engine braking is minimized.

Activation Conditions

This system activates when all of the following conditions are satisfied.

- EB mode is not set to OFF
- Throttle is fully closed while the engine speed is at least some predetermined speed
- Motorcycle speed is at least some predetermined speed
- Throttle position sensor is normal
- Gear position sensor is normal
- Transmission is not in neutral
- Clutch is not being held
- Cruise control is not active

NOTE: Changing the other than specified tire or sprocket gear ratio may make appropriate control of the motorcycle unavailable.

BI-DIRECTIONAL QUICK SHIFT SYSTEM

The "Quick Shift" is a function that assists the Shift change operation during motorcycle riding.

Once the "Quick Shift" has been set on the instrument panel display, the shift change operation is available without using the throttle grip or clutch lever during riding.

When the motorcycle starts moving from a stop, or is stopped with the gear engaged, you must use the clutch lever to perform the shift change operation.

WARNING

When any of the parts related to the gear shifting mechanism, are changed or modified, the "Quick Shift" might not operate correctly. Also, unlike the automatic transmission, the "Quick Shift" does not perform the shift change operation automatically. Operating the system in low gears with very high RPM may place a high load on units such as the transmission.

Perform the shift change operation according to your engine or motorcycle speed.

How to Set



Set the MODE setting for QS (Quick Shift) to QS1 or QS2 via the riding assistance system indicators on the "SDMS" screen in the instrument panel or "RIDING SET" in "MENU".

OFF: Control is disabled.

QS1: The mode switches to the "Sports" mode with a sharp shift feeling

QS2: The mode switches to "City riding" mode with a soft shift feeling

See the next page for changing procedures.

- Riding assistance system indicators ( 2-32)
- RIDING SET ( 2-38)

LAUNCH CONTROL SYSTEM INDICATOR

WARNING

The launch control system is designed to assist a rider on a closed course. Failure to properly operate the launch control system including abrupt engagement of the clutch could result in loss of control and a crash.

When you are riding the motorcycle, ride it within the boundaries of your skill level.

WARNING

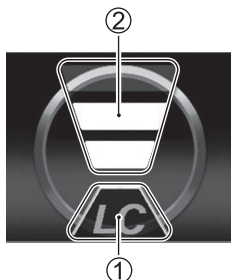
Using non-specified tires or changing the sprocket gear ratio may prevent appropriate control of the motorcycle and could cause an accident.

When changing a tire, always use the specified type of tire. When changing the sprocket, use one with the same size and number of teeth.

The launch control system functions to help the rider launch the motorcycle from a stopped status in a closed course.

This system supports the rider so that the rider can concentrate on the clutch lever operation while the throttle is open. This is done with special control of engine revolutions when the motorcycle is started. In addition, it allows the rider to maintain an optimum position during acceleration by changing the engine output automatically, based on data from each sensor.

“LC” appears in the launch control indicator ① only when the current gear is 1st gear.

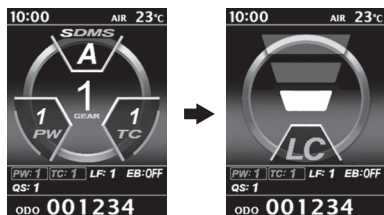


- ①: Launch control indicator (Shift indicator)
- ②: Mode display

NOTE: When the “Quick Shift” has been set, clutch lever operation is not required when shifting up after the motorcycle starts moving.

Launch Control System Setting

1. Start the engine. (☞ 2-76)
2. When you push the launch control system switch for about 1 second with the motorcycle stopped, the launch control system is set and the launch control system indicator is displayed on the meter.



When the launch control system indicator blinks when pressing the launch control system switch, the launch control system can not be set.

The launch control indicator blinks in the following cases.

- When not stopping the motorcycle
- When the throttle grip is widely opened
- When the launch control system use frequency is high in a short time period

To cancel the launch control system, push the launch control system switch again for about 1 second.

3. Before launching, the system provides control to prevent the engine speed from exceeding the speed set for the particular mode (3 available). Use the select switches (Up and Down) to select one of the 3 modes that control the maximum engine speed.



Mode	Maximum engine speed [r/min]
1	3,700
2	6,000
3	8,000

NOTE: Variance between the speeds described in the table and the actual speed shown in the tachometer may occur.

4. Start the motorcycle, operating the throttle grip and clutch lever. After the motorcycle is started, the system changes the engine output automatically based on riding conditions. The launch control system is cancelled automatically when the gear is shifting up to 2nd, or the motorcycle decelerates by returning the throttle grip or applying the brake.

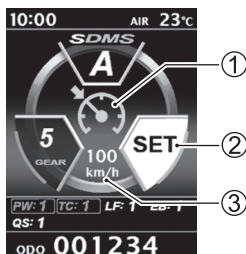
⚠ WARNING

After the motorcycle starts moving, riding the clutch for a long time might cause damage to the clutch mechanism.

Avoid riding the clutch for a long time.

CRUISE CONTROL

Cruise control is a function that allows you to ride at a set speed on a road where little acceleration or deceleration is required, such as a highway, without operating the throttle grip. It offers a resume function that returns to the previously set speed after the set speed was canceled.



- ①: Cruise control indicator
- ②: SET indicator
- ③: Target motorcycle speed (resume function)

NOTE:

- The cruise control indicator blinks if it is not possible to set the cruise control speed from the standby state because the conditions allowing setting are not met.
- Cruise control may not be able to maintain the cruise control speed under some road conditions such as an uphill or downhill slope.
- Cruise control is turned off when the main key is turned off.
- The target motorcycle speed that appears when resume function is used is not the actual speed. Check the speedometer for the actual motorcycle speed.

⚠ WARNING

Misuse of cruise control may cause unintended acceleration that may lead to crashes.

When not using cruise control, turn it off.

⚠ WARNING

Using cruise control in certain situations may impair safety.

Do not use cruise control in the following situations:

- In poor weather
- On roads with heavy traffic
- On roads with sharp curves
- On unpaved roads
- On slippery roads
- On steep downhill slopes

Conditions Allowing Setting of the Cruise Control Speed Motorcycle Speed

The following conditions must exist in order to set the cruise control speed.

- Cruise control is in the standby state
- Transmission is in 2nd gear or higher and engine speed is at least 2,000 r/min

Setting the Cruise Control System to Standby

Press the cruise control switch ① on the right handle to transition the display to the cruise control system screen.

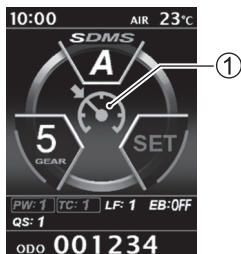


NOTE: If the active speed limiter screen appears when you press the cruise control system switch, press and hold the MODE switch to transition to the cruise control system screen.

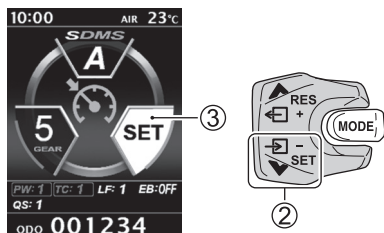


Setting the Target Motorcycle Speed

1. The cruise control system indicator ① turns on when the settable condition is satisfied.



2. When the cruise control system indicator ① is lit and the desired motorcycle speed is reached while conditions allowing setting are met, press the select switch (DOWN/SET/-) ② on the left handlebar switch to complete setting of the target motorcycle speed. The motorcycle travels at the target motorcycle speed even if the throttle grip is turned back. The SET indicator ③ comes on in the cruise control system display when the target motorcycle speed is set.



3. When riding at the target motorcycle speed, press the select switch (UP/RES/+) or select switch (DOWN/SET/-) to adjust the target motorcycle speed.

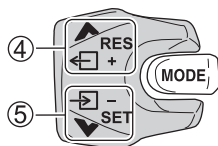
Settable speed: 30 km/h (20 mph) or more

Select switch (UP/RES/+) ④

- Short press:
Speed increases by approximately 1 km/h (0.6 mph)
- Long press:
Speed increases continuously

Select switch (DOWN/SET/-) ⑤

- Short press:
Speed decreases by approximately 1 km/h (0.6 mph)
- Long press:
Speed decreases continuously

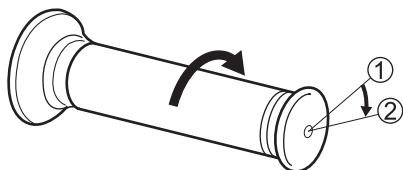


NOTE: During constant speed riding at the set speed, turn the throttle grip to accelerate above the set speed. Release the throttle grip to return to the cruise control speed. When riding at a speed above the cruise control speed, press the select switch (DOWN/SET/-) “▼” to change the cruise control speed to the current speed.

Canceling Constant Speed Riding

Under the following conditions, constant speed riding is canceled and cruise control returns to the standby state.

- Throttle grip is turned in the close direction from the fully closed position ①



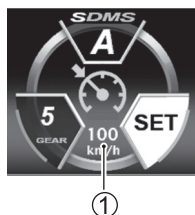
②: Canceled position

- Clutch lever is squeezed
- Brake lever or brake pedal is operated
- Engine speed is less than 2,000 r/min.
- Transmission is in 1st gear
- Gear shift is performed
- Set speed cannot be reached in a long time, such as on a slope
- Tires spin
- Cruise control is turned off, see "Cruise Control System Released (turned off)" on page 2-63.

NOTE: Constant speed riding is canceled when a system error occurs.

Resume Function

If setting data remains in the system when constant speed riding is canceled, press the select switch (DOWN/RES/+) "▲" to return to the target motorcycle speed at the time constant speed riding was canceled. If the resume function operation is in progress, the target speed ① appears until the target speed is reached.



The resume function cannot be used in the following circumstances because the setting data is deleted.

- Engine speed is less than 2,000 r/min.
- Ignition switch was turned off
- Cruise control is turned off

⚠ WARNING

If the resume function is used when the speed is slower than the cruise control speed at the time constant speed riding was previously canceled, the motorcycle will accelerate. Motorcycle acceleration could cause a crash if the resume function is used when the road conditions are not suitable.

Consider the cruise control speed and road conditions before using the resume function.

Cruise Control System Released (turned off)

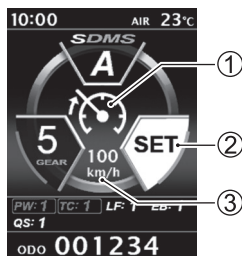
Press the cruise control system switch to turn off the system. At this time, the cruise control system indicator and the cruise control system indicator light are turned off.

NOTE: Cruise control turns off when a system error occurs.

ACTIVE SPEED LIMITER

The active speed limiter prevents the motorcycle speed from exceeding the set value by controlling throttle valve opening. The speed can be set by riders according to their preference.

The configurable range of this control is 40 to 200 km/h (25 to 125 mph). If set to 100 km/h (62 mph), for example, the motorcycle speed will not exceed 100 km/h (62 mph) even at full-throttle.



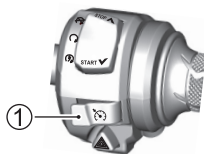
- ① : Active speed limiter symbol mark
- ② : SET indicator
- ③ : Control speed

NOTE:

- Variance between the control speed and actual speed shown in the speedometer may occur.
- Depending on riding conditions, the motorcycle speed may temporarily exceed the set speed or the feature may not function correctly even when a speed is set. Use of this feature does not guarantee that the speed will always be limited. Be sure to operate the motorcycle at an appropriate speed according to your riding skill, weather, and road conditions. Always obey traffic rules.
- The system will not function if speed sensors or a system error occurs.
- The system cannot display the set speed correctly if using tires that are not specified. When replacing tires, be sure to use the specified tires.

Transitioning to the Limiter Screen

Press the cruise control switch ① while the display is showing the default screen to transition to the active speed limiter standby screen.



NOTE: If the cruise control screen appears when you press the cruise control switch, press and hold the MODE switch to transition to the active speed limiter standby screen.



Setting the Control Speed

1. To change the control speed, use the (UP/RES/+) and (DOWN/SET/-) select switches.

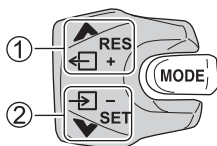
Settable speed: 40 to 200 km/h
(25 to 125 mph)

Select switch (UP/RES/+) ①

- Short press:
Speed increases by 1 km/h (0.6 mph)
- Long press:
Speed increases continuously by 5 km/h (3 mph)

Select switch (DOWN/SET/-) ②

- Short press:
Speed decreases by 1 km/h (0.6 mph)
- Long press:
Speed decreases continuously by 5 km/h (3 mph)



2. To enable the system to control the speed while riding, press the MODE switch to turn on the "SET" indicator.



NOTE:

- If the MODE switch is pressed in the active speed limiter standby state when the set conditions are not satisfied, the indicator icon or the set speed display will blink.
 - The control speed can still be changed if the "SET" indicator is not on.
 - The control speed can be changed while riding. If you change the speed setting while riding at the control speed, the motorcycle speed will change depending on the state of throttle grip operation.
3. Check that the "SET" indicator is on before riding. The system provides control such that the maximum motorcycle speed is limited to the set control speed.

NOTE: If a motorcycle system error occurs, the active speed limiter will be deactivated.

NOTE: If a system error is detected while the active speed limiter is active, the system will override throttle opening and decelerate the motorcycle. You can continue riding by closing the throttle grip momentarily. However, output will be severely limited. The active speed limiter indicator will blink during this time. You can deactivate the output limitation and enable normal riding by pressing the cruise control switch while closing the throttle grip.

Pausing the System

1. To pass another vehicle, you can pause the system and exceed the control speed temporarily by quickly opening the throttle grip while the active speed limiter is active. The control speed indicator blinks while the system is paused.



2. The system will reactivate with the set control speed enabled once the speed falls below the set control speed after closing the throttle.

NOTE: The temporary cancellation function is activated only when the difference between the motorcycle speed and the target motorcycle speed is within 20 km/h.

Canceling the Control Speed

If you want to cancel this feature (turn off the “SET” indicator) when the system is actively controlling speed (“SET” indicator is displayed), press the MODE switch to return to the standby screen.



Deactivating the System

With the display showing the standby screen, press the cruise control switch to deactivate the active speed limiter and return to the default screen.



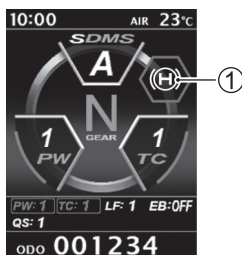
NOTE: The control speed cannot be canceled and the system cannot be deactivated when the throttle grip is open. The active speed limiter indicator blinks in these circumstances.

HILL HOLD

Hill hold is a function that prevents the motorcycle from moving backwards when starting after stopping on an uphill slope and assists with pulling away smoothly.

When the system operates, it controls the rear brake for about 30 seconds to prevent the motorcycle from moving backward without any operation of the brake lever or the brake pedal.

About 3 seconds before the system is deactivated, the hill hold indicator ① starts blinking and the brake pressure is gradually reduced accordingly until the system is fully deactivated.



System operation conditions

- Motorcycle stopped on an uphill slope
- Front brake, rear brake or both brakes applied
- Hill hold is not turned off
- Not in the neutral gear position
- Side stand is not down

NOTE:

- Hill hold does not function until the wheel rotation is fully stopped.
- For details about setting hill hold off, see "HILL HOLD SET" on page 2-44.

⚠ WARNING

If the brake is released while the hill hold function is not operating, the motorcycle may move backward and fall over or cause a crash.

When you intend to use the hill hold function, do not release the brakes until the hill hold indicator comes on.

System operation method

When the system operation conditions are met, the hill hold indicator ① comes on in the instrument panel. When the indicator is lit, the system controls the rear brake to prevent the motorcycle from moving backward without any operation of the brake lever or the brake pedal.



System Deactivation Method

The system is deactivated in the following circumstances.

- Motorcycle pulls away
- 30 seconds elapses after the brake lever and brake pedal are released
- Brake lever is pulled 2 times rapidly
- Side stand is put down
- Transmission is put in neutral

NOTE: About 27 seconds after the brake lever and brake pedal are released, the hill hold indicator blinks for about 3 seconds to notify that the system will soon be deactivated. If the front brake or rear brake is operated during this interval, the time until the system is deactivated is extended by 30 seconds.

WARNING

The system is deactivated about 3 seconds after the hill hold control system indicator starts blinking. If the system is deactivated in this situation, the motorcycle may move backward and fall over or cause a crash.

When the hill hold control system indicator starts blinking, operate the front and rear brakes to keep the motorcycle from moving backward.

WARNING

The hill hold control system has a limited ability to hold the motorcycle on a hill. The motorcycle may move backward when starting up on an extremely steep slope or slippery road, or if the motorcycle is overloaded.

Always check the surroundings and operate the brake lever and brake pedal as necessary to ensure safe riding.

WARNING

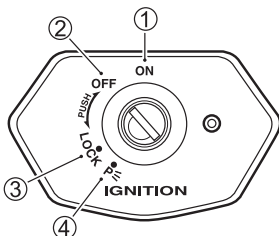
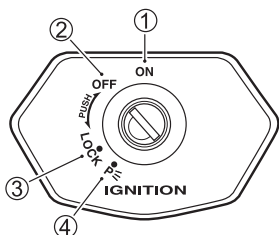
If the hill hold control system is activated when climbing an extremely steep hill or slippery road, the tires may lock and cause loss of control.

If you cannot launch the motorcycle because the system has locked the tires, squeeze the brake lever twice quickly to unlock the tires.

IGNITION SWITCH

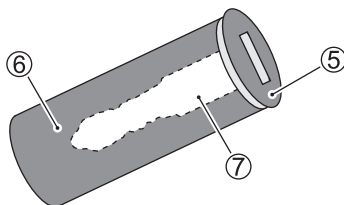
POSITIONS

There are 4 positions for the ignition switch; ON ①, OFF ②, LOCK ③ and P ④.

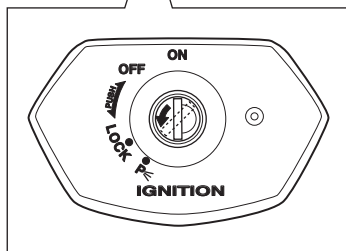
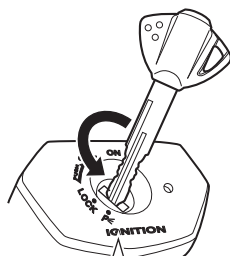


(Immobilizer equipped model)

A lid ⑤ is provided for the key cylinder ⑥ to prevent tampering. Turning the lid position covers the keyhole ⑦ to prevent any foreign substance from entering the keyhole. To turn the lid, insert the tip of the key slightly into the lid and turn it.



Align the lid hole position with the keyhole position when inserting the key.



WARNING

Operating the key while the motorcycle is moving may result in a crash.

Operate the key only after stopping the motorcycle.

WARNING

Falls caused by impact or slipping may result in malfunctioning of the motorcycle. Motorcycle malfunctions may result in fires, or could result in injury from moving parts such as the rear wheel.

If the motorcycle falls, turn the ignition switch off immediately and stop all devices. As falling may damage parts that are not visible, have your motorcycle inspected by a Suzuki dealer.

WARNING

Due to the location of the steering damper, some key chains could get caught between the steering damper and the steering stem nut. This could interfere with steering and cause loss of control.

Use your ignition key without key chains, fobs or other keys attached.

NOTICE

Operating the ignition switch while the motorcycle is running will stop the engine operating smoothly and may negatively affect the engine and the catalytic converter.

Do not operate the ignition switch while the motorcycle is running.

OFF ("OFF" position)

- The engine stops.
- The lights turn off.
- The key can be removed.

ON ("ON" position)

- The engine can start and the motorcycle is able to be ridden.
- The following lights turn on.
 - Headlight
 - Taillight
 - Position light
 - License plate light
- The key cannot be removed.

NOTE: Because the headlight is turned on at the ignition switch "ON" position, leaving the ignition switch "ON" position without starting the engine may cause the battery to run down.

LOCK ("LOCK" position)

- The handlebars lock.
- The lights do not come on.
- The key can be removed.

To prevent theft, lock the handlebars when leaving the motorcycle. We recommend also using a chain lock.

<Locking>

1. Turn the handlebars all the way to the left.
2. While pushing the key in, turn it from OFF to LOCK.
3. Pull the key out.

NOTE:

- *Move the handlebars to the left and right, and check that they are locked firmly.*
- *If the handlebars are difficult to lock, turn the key while moving them slightly to the right.*

<Unlocking>

Insert the key and while pushing it in, turn it from LOCK to OFF.

NOTE:

- *Before riding, move the handlebars to the right and left, and check that they turn the same amount in both directions.*
- *The ignition switch key hole features a lid that covers it.*
- *If the lid hole is misaligned, align the lid hole to the key hole.*

"P" (PARKING) position

When parking the motorcycle, lock the steering and turn the key to the "P" position. The key can now be removed and the position light, license plate light and taillight will remain lit and the steering will be locked. This position is for night time roadside parking to increase visibility.

WARNING

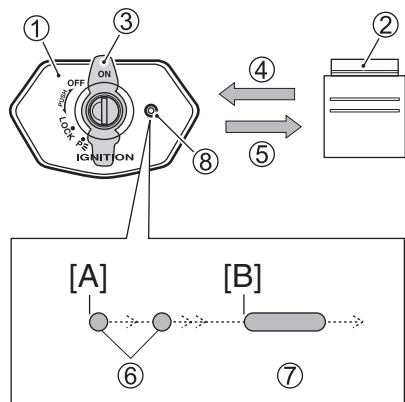
Turning the ignition switch to the "P" (PARKING) or "LOCK" position while the motorcycle is moving can be hazardous. Moving the motorcycle while the steering is locked can be hazardous. You could lose your balance and fall, or you could drop the motorcycle.

Stop the motorcycle and place it on the side stand before locking the steering. Never attempt to move the motorcycle when the steering is locked.

IMMOBILIZER

Compares whether the ID of the key inserted is one that has been registered in the motorcycle ECM, and determines whether or not to start the engine.

When the ignition switch ① is turned ON, the ECM ② directs the controller contained in the key ③ to transmit its ID ④. (At this time, the number of times the indicator blinks indicates the number of keys registered to the motorcycle ⑥) In response, the key sends its ID ⑤, and if the ECM deems the ID to be correct, the engine can be started, and the indicator lights for 2 seconds ⑦.



[A]: Ignition switch is turned ON

[B]: Engine can be started

⑧: Immobilizer indicator

NOTE:

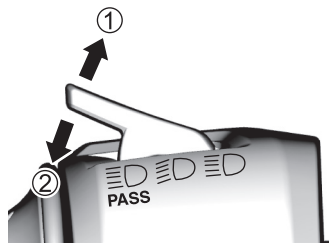
- If the indicator continues to blink without stopping, then the key is wrong or there is a transmission error. Turn the ignition switch OFF, and redo the operation.
- Initially 2 keys are registered to the motorcycle. 2 additional keys can be registered. The number of times the indicator blinks indicates the number of keys registered to the motorcycle.
- If both keys are lost, 2 blank keys and the ECM must be replaced. Be sure to store the spare key in a safe place.
- When inserting the key, bringing the spare key for this motorcycle or an immobilizer-compatible key from another motorcycle close to the immobilizer antenna may cause the immobilizer system to stop functioning normally. Do not attach 2 or more immobilizer-compatible keys to a key holder.
- Metal items, magnetic items, and items that transmit radio signals have a detrimental effect on immobilizer transmission. Accordingly, do not attach the immobilizer to a key holder or put it near keys.

HANDLEBAR SWITCHES

DIMMER SWITCH/HEADLIGHT FLASHER SWITCH

Dimmer switch

Changes the headlight between high-beam and low-beam.



①: High-beam

②: Flasher

High-beam “≡▷”

Push the switch away from you to change to high-beam.

Low-beam “≡▷”

Pull the switch toward you to change to low-beam from high-beam.

Headlight flasher switch “≡▷”

Turns the headlights to high-beam while the switch is pulled toward you from low-beam. Releasing the switch returns the headlights to low-beam.

NOTICE

The heat of the headlight may melt the lens or damage objects.

Do not leave objects in front of the headlight or taillight, or cover the headlight or taillight with a cloth, etc.

NOTICE

If tape is applied to the headlight, the location where the tape has been applied may melt due to heat from the light.

Do not apply tape to the headlight.

NOTE: Set the headlight to low-beam if there are oncoming vehicles or vehicles traveling ahead of you.

SELECT SWITCH

Used to switch LCD display and set each system.

For reference, see “LCD” (👉 2-7) and “RIDING ASSISTANCE SYSTEM” (👉 2-51).

MODE SWITCH

Used to switch LCD display and set each system.

For reference, see “LCD” (👉 2-7) and “RIDING ASSISTANCE SYSTEM” (👉 2-51).

HORN SWITCH “🔊”

While the switch is pressed, the horn sounds.

TURN SIGNAL LIGHT SWITCH



Use as a signal when turning right or left, or when changing lanes.

Right turn ⇨

Set the switch to the ⇨ side to make the right turn signal light blink. Push the switch in to cancel turn signal operation.

Left turn ⇐

Set the switch to the ⇐ side to make the left turn signal light blink. Push the switch in to cancel turn signal operation.



WARNING

Leaving the turn signal on may cause others to misunderstand your intended direction of travel, and cause crashes.

The turn signal switch does not turn off automatically. After use, be sure to push the switch in to cancel turn signal operation.

ENGINE STOP SWITCH/ ELECTRIC STARTER SWITCH

Engine Stop Switch

Stop the engine immediately in emergency situations such as a fall. Placing the engine stop switch in the “” (STOP) position stops the engine. Normally, leave it in the “” position.

“” position

Electric circuits related to the engine are connected.





- The engine can be started and can run.

“” position

Electric circuits related to the engine are not connected.

- The engine stops.
- The engine cannot be started.

NOTICE

Changing the engine stop switch from  to  or from  to  while riding may damage to the engine or the catalytic converter (if equipped).

Do not use the engine stop switch except in an emergency.


NOTE: When the engine stop switch has been used to stop the engine, be sure to turn the ignition switch OFF. Leaving the ignition switch ON may cause the battery to run down.

Electric Starter Switch “”

Pushing the electric starter switch causes the starter motor to turn over and starts the engine.

For details, see “STARTING THE ENGINE” on page 2-76.

NOTE:

- The engine cannot start when the engine stop switch is in the “” position.
- The motorcycle is equipped with SUZUKI EASY START SYSTEM, so when you press the electric starter switch the starter motor will keep turning over for a few seconds even if you let the starter switch go. After a few seconds the engine starts, and the starter motor stops.

HAZARD WARNING SWITCH “”

The hazard warning switch is used in emergency situations, such as when a malfunction has occurred. Pushing the switch causes all turn signals to blink.

NOTE: Do not use the hazard warning switch except for in emergencies. Using it when the engine is stopped may cause the battery to run down.

STARTING THE ENGINE

STARTING PROCEDURE

Use the following procedure to start the engine.

1. Make sure that the transmission is in neutral.
2. Check that the engine stop switch is set to "O".
3. Set the ignition switch to ON.
4. Check that the malfunction indicator light has gone out.
5. With the throttle grip closed, press the electric starter switch "E". See "SUZUKI EASY START SYSTEM" on page 2-78.
6. Before riding, make sure that the side stand is fully up. See "SIDE STAND/IGNITION INTERLOCK SYSTEM" on page 2-79.

NOTE: This motorcycle has a starter interlock system for the ignition and starter circuit. The engine can only be started if:

- The transmission is in neutral, or
- The transmission is in gear, the side stand is fully up, and the clutch is pulled in.

NOTE: This motorcycle features the Suzuki Easy Start System, allowing you to start the engine with a single push of the electric starter switch. For details, see "SUZUKI EASY START SYSTEM" on page 2-78.

When the Engine is Hard to Start:

Open the throttle approximately 1/8 turn and press the electric starter switch "E".

WARNING

Exhaust gas contains carbon monoxide, a dangerous gas that is difficult to detect because it is colorless and odorless. Breathing carbon monoxide can cause death or severe injury.

Never start the engine or let it run indoors or where there is little or no ventilation.

NOTICE

Continuously turning the starter motor for 5 seconds or more consumes a large amount of power and may cause the battery to run down.

Do not push and hold the electric starter switch for 5 seconds or more or use the Suzuki Easy Start System to turn the starter motor over continuously.

NOTICE

After starting the engine, opening the throttle or riding the motorcycle with the oil pressure indicator light turned on, may adversely affect the engine.

Make sure that the oil pressure indicator light has turned off before opening the throttle or riding the motorcycle.

NOTICE

If you start the engine with the gear position indicator and neutral indicator providing incorrect indications, engine damage can occur.

Before starting the engine, check whether the gear position indicator and neutral indicator are providing the indications described below. If they are not providing the indications described below, have your motorcycle inspected promptly by a Suzuki dealer.

- When the gear position indicator shows N, the neutral indicator is lit.
- When the gear position indicator shows one of (1, 2, 3, 4, 5, 6), the neutral indicator turns off.

NOTE: When starting the engine, you must pull in the clutch if the gear is in any position other than neutral.

NOTE: When the motorcycle falls over, a system stops the engine. The master warning indicator light also comes on. To restart the engine, after righting the motorcycle, temporarily turn the ignition switch OFF, then turn it on again. When the malfunction indicator light goes off the engine can be started again.

NOTICE

If you hold the electric starter switch down while the malfunction indicator is lit, the battery may run down.

Do not hold the electric starter switch down while the malfunction indicator is lit.

SUZUKI EASY START SYSTEM

You can start the engine with a single push of the electric starter switch. The starter motor continues to turn over after you take your hand off the switch, and stops after a few seconds or after the engine starts.

- If the gear position is neutral you can start the engine without pulling in the clutch.
- If the gear position is anything except neutral you must pull in the clutch to start the engine.

In some cases the engine may not start due to the position of the side stand and the gear. For details see "SIDE STAND/IGNITION INTER-LOCK SYSTEM" on page 2-79.

NOTE: Depending on the condition of the battery, the engine might not start easily by Suzuki Easy Start System. If the engine is difficult to start, squeeze the clutch lever with the transmission in neutral and continue pressing the electric starter switch to start the engine. If the engine fails to start, the battery will most likely lose power. In this case, charge or change the battery.

Proper Warm up

In the following circumstances, run the engine for a period of several tens of seconds to several minutes to warm it up before riding.

- When you have not used the motorcycle for an extended period
- In extremely low temperatures (as a guide, -10°C (14°F) or less) in cold regions

In any other circumstances, out of consideration for the environment, begin riding promptly after starting the engine.

NOTICE

Immediately after starting the engine, revving the engine, sudden acceleration, or abrupt braking may cause the engine to malfunction.

Run the engine for a period of several tens of seconds to several minutes to warm it up before beginning travel.

NOTICE

Leaving the engine running for an extended period without riding, in order to charge the battery, etc., may cause the engine to overheat. Overheating may damage engine parts and cause the exhaust pipe to change color.

Stop the engine if you do not intend to begin riding promptly.

SIDE STAND/IGNITION INTERLOCK SYSTEM

The motorcycle has a system to prevent riders from forgetting to stow the side stand and then traveling with it down.

The system operates as follows.

<When the side stand is down>

- The engine cannot be started when the motorcycle is in gear. (The engine can be started if the motorcycle is in neutral)
- Placing the motorcycle in gear while the engine is running stops the engine.

<When the side stand is fully up>

Moving the side stand down while the engine is running and the motorcycle is in gear stops the engine.

WARNING

If you move the side stand down while riding the motorcycle, the engine will stop, which may cause a crash.

Never move the side stand down while riding the motorcycle.

NOTE:

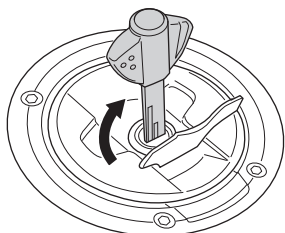
- *If side stand is not completely up the engine stops when you shift gears from neutral to any other gear.*
- *Lubricate the side stand if it does not operate smoothly.*

REFUELING

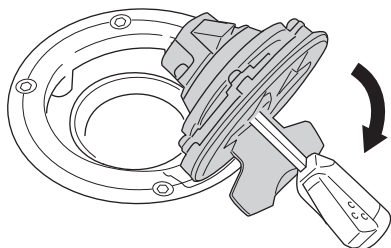
REFUELING PROCEDURE

Use the following procedure to refill with gasoline.

1. Open the fuel tank cap key cover.
2. Insert the key and turn it to the right to unlock.



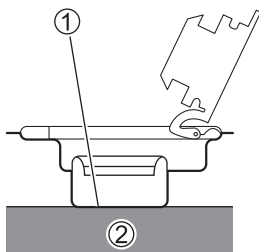
3. Open the cap.



4. Refill with gasoline.
Since gasoline may leak from the cap, do not fill any higher than the lower edge ① of the inlet.

Specified fuel: Unleaded premium gasoline

Fuel tank capacity: 20L (5.3/4.4 US/Imp. gal)



② Fuel

5. Push down the cap, then turn the key to the left and remove it.
The key cannot be removed if the cap is not locked.

WARNING

Gasoline is very flammable and may cause fires if handled incorrectly.

- When refilling with gasoline, stop the engine and do not bring flame into proximity.
- Be sure to refill outdoors.
- Before opening the fuel tank cap, touch a metal section of the motorcycle body or gasoline pump to eliminate static electricity from your body. If you are statically charged the static may discharge with a spark, causing the gasoline to catch fire.
- Refill with gasoline yourself, away from other people.
- After refilling, close the fuel tank cap firmly until it makes a clicking sound.
- Wipe away any spilled gasoline with a cloth.

NOTICE

If the engine develops some trouble like lack of acceleration or insufficient power, the cause may be due to the fuel the motorcycle uses.

In such case, try changing to a different gas station. If the situation is not improved by changing, consult your Suzuki dealer.

NOTICE

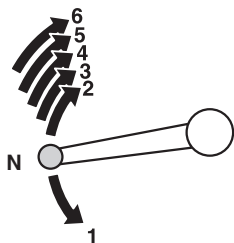
Spilled gasoline containing alcohol can damage the painted surfaces of your motorcycle.

Be careful not to spill any fuel when filling the fuel tank. Wipe spilled gasoline up immediately.

SHIFTING GEARS

DESCRIPTION

This motorcycle has a 6-speed transmission, with neutral located between 1st and 2nd gear.



NOTE: When the transmission is in neutral, the green indicator light on the instrument panel will be lit. However, even though the light is illuminated, cautiously and slowly release the clutch lever to make sure that the transmission is positively in neutral.

(Canada)

The table below shows the approximate speed range for each gear.

Shifting up schedule

Gear position	km/h	mph
1st → 2nd	29	18
2nd → 3rd	52	32
3rd → 4th	66	41
4th → 5th	79	49
5th → 6th	89	55

Shifting down schedule

Gear position	km/h	mph
6th → 5th	79	49
5th → 4th	66	41
4th → 3rd	52	32
3rd → 2nd	29	18
2nd → 1st	22	14

Disengage the clutch when the motorcycle speed drops below 15 km/h (9 mph).

GEARSHIFT PROCEDURE

The transmission is designed to allow the engine to operate smoothly in its normal operating speed range. When riding, shift gears to match the conditions. Do not slip the clutch to adjust motorcycle speed as doing so causes wear on the clutch. When reducing speed, shift gears down to match the engine speed.

1. Before starting off, stow the side stand.
2. Squeeze the clutch lever and operate the gearshift lever to change gears into 1st gear and move off smoothly.
3. Change gears according to motorcycle speed.

Return the throttle grip temporarily and squeeze in the clutch lever completely before changing gears.

Operate the gearshift lever lightly with the toes, moving it firmly until you feel the lever click.

“Quick Shift” Operation Procedure

1. Squeeze the clutch lever and change to 1st gear when the MODE for QS (Quick Shift) is set to <1> or <2>.

NOTE:

- *Even when the “Quick Shift” has been set, the gear shift lever operation procedure is not changed from that before the setting. If the shift change is to be performed regardless of the setting of “Quick Shift”, move the gear shift lever securely until the end of its travel.*
 - *See the following page for setting procedures for quick shift.*
 - *Riding assistance system indicators (📖 2-32)*
 - *RIDING SET (📖 2-38)*
2. Quick Shift activates when the engine speed reaches at least a certain activation speed in relation to the current gear position. When changing gears after launching, the shift pedal operates without having to squeeze the clutch lever once the following activation speeds are reached.

<Quick Shift activation speeds>

Up-shifts

Current Gear position	Engine Speed [r/min]
N	-
1	1,600
2	1,550
3	1,450
4	1,350
5	1,300

Down-shifts

Current Gear position	Engine Speed [r/min]
N	-
2 - 6	1,500

- When the shift change operation is to be performed, the motorcycle adjusts the engine speed according to the situation at that time, so the throttle grip operation is not required.
- When the shift change operation is to be performed, move the gear shift lever until you feel it at the end of its travel.
- When the quick shift indicator ① blinks, the "Quick Shift" is not available.



Default screen



ACTIVE DATA screen

NOTICE

When the shift change operation is performed in the following cases, without using the clutch lever, the engine or drive system might be damaged. In the following cases, use the clutch lever.

- The "Quick Shift" has been set to <OFF>.
- Engine speed is at or less than the predetermined speed

NOTE: The quick shift indicator blinks when changing gears while the engine speed is at or less than the predetermined speed.

- When the motorcycle is to be stopped, stop it with the clutch lever squeezed.

NOTE:

- Even when the shift change operation is performed continuously using the "Quick Shift", the shift change operation should be done correctly step by step.
- When the shift change operation is performed without clutch lever squeezed and with the throttle opening angle kept constant, the "Quick Shift" operation can be smoothly performed.

WARNING

Downshifting when engine speed is too high can:

- cause the rear wheel to skid and lose traction due to increased engine braking, resulting in a crash; or
- force the engine to overrev in the lower gear, resulting in engine damage.

Reduce speed before downshifting.

WARNING

Downshifting while the motorcycle is leaned over in a corner may cause rear wheel skid and loss of control.

Reduce your speed and downshift before entering a corner.

NOTICE

Holding the motorcycle stopped with throttle and clutch lever operation on inclines can damage the motorcycle's clutch.

Use the brakes when stopping the motorcycle on inclines.

NOTICE

When the engine becomes abnormally hot, the clutch may not engage well.

If the engine becomes very hot and the clutch is not engaging well, stop the motorcycle in a safe place and let the engine cool.

NOTICE

Incorrect gearshift operation or riding with your foot on the gearshift lever may cause damage to the engine.

- Do not perform the gear change operation with the clutch lever not firmly squeezed.
- Do not apply excessive force when using the gearshift lever.
- Do not ride with your foot on the gearshift lever.

NOTE:

- When changing gears, move the lever firmly until you feel the lever click.
- Do not increase engine speed excessively. Doing so will negatively affect engine life.
- Do not ride at an excessive speed.
- If something appears strange while riding, have any irregularities checked by a Suzuki dealer immediately.
- Take care when riding to ensure that engine speed does not enter the red zone.
- It is easy to enter the red zone when revving the engine or accelerating suddenly in 1st or 2nd gear, so particular care is required in such situations.
- If engine speed enters the red zone, close the throttle promptly to reduce engine speed.
- When the gear position changes to neutral while riding, the engine speed limiter functions to protect the engine and power systems, limiting engine speed.

BRAKE LEVER

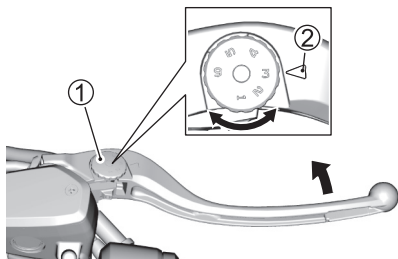
DESCRIPTION

The front and rear brakes are simultaneously applied by squeezing the brake lever gently toward the throttle grip. The brake light will be lit when the lever is squeezed inward.

The space between the brake lever and grip can be adjusted to 6 settings. The adjuster is set to the 3rd position at the factory.

ADJUSTMENT

1. Push the brake lever forward and rotate the adjuster ① to the desired position.
2. Align the numbers on the adjuster with the "Alignment mark" ②.



WARNING

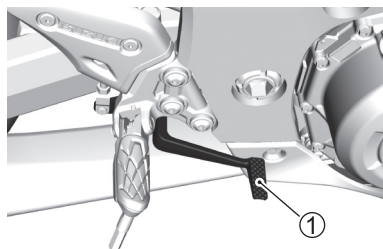
Adjusting the brake lever position while riding may result in a crash.

Adjust the brake lever position only while stopped.

REAR BRAKE PEDAL

DESCRIPTION

Stepping on the rear brake pedal ① applies the rear brake. The brake light comes on at the same time.



CLUTCH LEVER

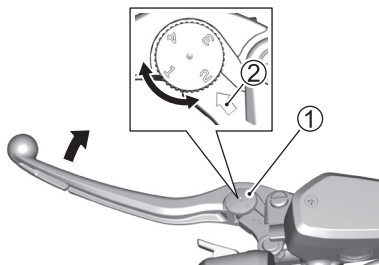
DESCRIPTION

The distance between the grip and the clutch lever is adjustable to 4 positions.

This motorcycle is delivered from the factory with its adjuster set on position 2.

CLUTCH LEVER ADJUSTMENT

1. Push the clutch lever forward and rotate the adjuster ① to the desired position.
2. Release the lever at the position where the number on the adjuster is aligned with the mark ②.



WARNING

Adjusting the clutch lever position while riding can be hazardous. Removing a hand from the handlebars can reduce your ability to control the motorcycle.

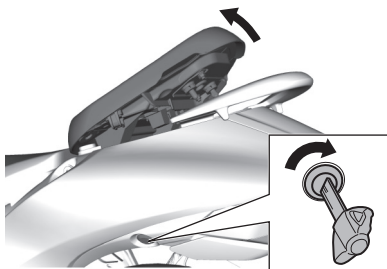
Never adjust the clutch lever position while riding. Keep both hands on the handlebars.

SEAT AND HELMET HOLDERS

REAR SEAT AND SEAT LOCK

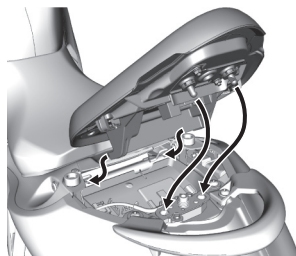
Removal

1. To remove the rear seat, insert the ignition key into the seat lock and turn it clockwise.
2. Raise the rear end of the seat and slide it backward.



Installation

1. Slide the seat hooks into the seat hook retainers.
2. Push down firmly until the seat snaps into the locked position.



NOTE:

- Lift up the seat gently and check that it is locked.
- Care is required, because if the seat is locked with the key placed underneath it, you will be unable to retrieve the key.

WARNING

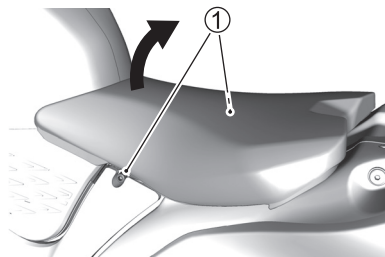
If the seat is not attached correctly it may move, interfering with riding.

Lock the seat firmly in the correct position.

FRONT SEAT

Removal

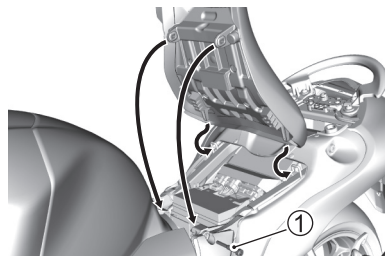
1. Remove the rear seat. (👉 2-89)
2. Remove the bolts ①.



3. Raise the front end of the seat and slide it forward.

Installation

Slide the seat hooks into the seat hook retainers and tighten the bolts ① securely.



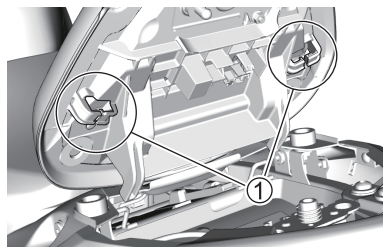
⚠ WARNING

Failure to install the seat properly could allow the seat to move and cause loss of rider control.

Fasten the seat securely in its proper position.

HELMET HOLDERS

There are helmet holders ① underneath the rear seat. To use them, remove the seat, hook your helmet to the helmet holder and refit the seat.



⚠ WARNING

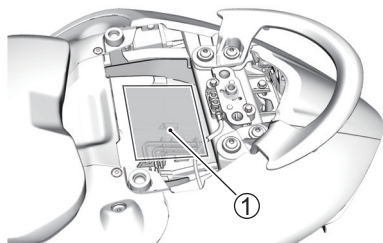
Riding with a helmet fastened to the helmet holder can interfere with rider control.

Never carry a helmet fastened to the helmet holder. Fix the helmet securely atop the seat if you must carry it.

DOCUMENT HOLDER

A document holder is available when the rear seat is removed.

Place the owner's manual ① in a plastic bag and store it here.



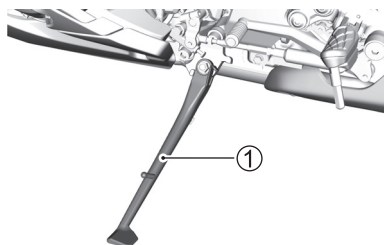
STANDS

The stands are used when parking the motorcycle. This motorcycle is equipped with a side stand.

SIDE STAND①

To place the motorcycle on the side stand, place your right foot on the end of the side stand and push down firmly until the stand pivots fully through its arc and comes to rest against its stop.

For details on the side stand/ignition interlock system, see page 2-79.



WARNING

Riding with the side stand incompletely retracted can result in a crash when you turn left.

Check operation of the side stand/ignition interlock system before riding. Always retract the side stand completely before starting off.

NOTE: When parking the motorcycle, choose a surface that is as hard and flat as possible. If you cannot avoid parking on a slope, stop the motorcycle with the front facing up the slope, and place it in 1st gear to lock the tires in place.

SUSPENSION ADJUSTMENT

DESCRIPTION

The standard settings for both the front and rear suspensions are selected to meet various riding conditions such as low to high motorcycle speed and light to heavy load on the motorcycle. The suspension settings can be adjusted and fine-tuned according to your preference.

NOTICE

Turning adjusters by force can damage the suspensions.

Do not turn adjusters beyond their natural limits.

FRONT SUSPENSION

WARNING

Unequal suspension adjustment can cause poor handling and instability.

Adjust the right and left front forks to the same setting.

NOTICE

When a dirty front fork is adjusted, oil leakage might occur due to a sticking adjuster or seal damage.

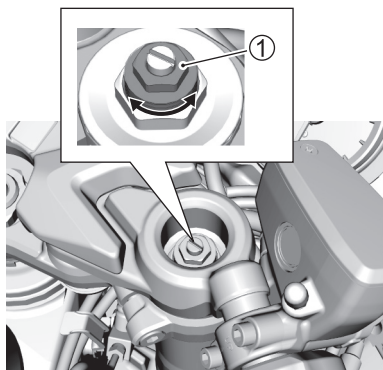
Before adjustment, wash the dirt completely off from the front fork.

Spring Pre-load Adjustment

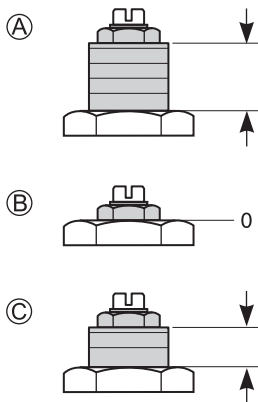
To adjust the spring pre-load, turn the adjuster ① clockwise or counterclockwise.

- Turning the adjuster clockwise will increase the spring pre-load.
- Turning the adjuster counterclockwise will decrease the spring pre-load.

NOTE: Adjust both the right and left adjusters to the same position.



The amount of adjuster adjustment margin is 10.0 mm. As adjustment amount of 10.0 mm ① provides the minimum spring pre-load. As adjustment amount of 0.0 mm ② provides the maximum spring pre-load. This motorcycle is delivered from the factory with the adjuster amount set to 6.0 mm ③.



NOTE:

- The adjustment amount changes by 1.0 mm per 1 rotation of the adjuster.
- Do not force the adjuster to rotate.

Damping Force Adjustment

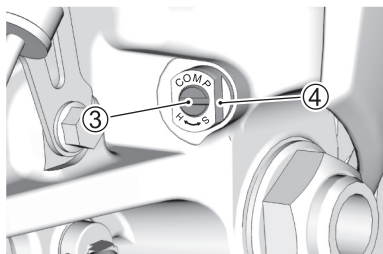
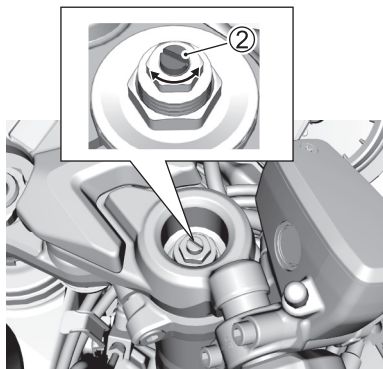
The rebound and compression damping force can be individually adjusted by turning the respective adjusters.

The rebound damping force adjusters ② are located at the top of the front suspension. The compression damping force adjusters ③ are located at the bottom of the front suspension.

To adjust the damping force, set the adjuster to the standard setting first and then adjust the adjuster to the desired position.

NOTE:

- Do not loosen the adjuster base ④, or front fork oil will ooze through the adjuster base.
- Adjust both the right and left to the same position.



<Rebound damping force standard setting>

To set the rebound damping force adjuster to the standard position, turn the adjuster clockwise until it stops and then turn it counterclockwise 8 clicks.

- Turn the adjuster clockwise from the standard position to stiffen the damping force.
- Turn the adjuster counterclockwise from the standard position to soften the damping force.

The adjuster can be turned 11 clicks counterclockwise from the stiffest position.

The damping force should be adjusted gradually, 1 click at a time, to fine-tune the suspension.

<Compression damping force standard setting>

To set the compression damping force adjuster to the standard position, turn the adjuster clockwise until it stops and then turn it counterclockwise 2 turns.

- Turn the adjuster clockwise from the standard position to stiffen the damping force.
- Turn the adjuster counterclockwise from the standard position to soften the damping force.

The adjuster can be turned 3 turns counterclockwise from the stiffest position. The damping force should be adjusted gradually to fine-tune the suspension.

REAR SUSPENSION

WARNING



This unit contains high-pressure nitrogen gas. Mishandling can cause an explosion.

- Keep away from fire and heat.
- Read owner's manual for more information.

NOTE: Ask your Suzuki dealer to dispose of the rear suspension unit.

NOTICE

Forcing the adjuster to turn may damage the suspension.

Do not rotate the adjuster beyond the limit.

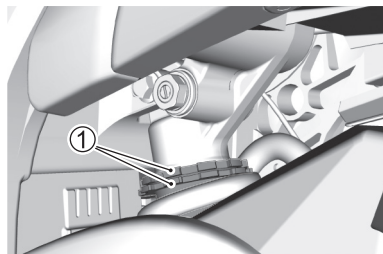
NOTICE

Adjusting the rear shock absorber while it is dirty may cause a fragment to enter the adjuster, or make the oil leak by damaging the oil seal.

Wash before adjusting to sufficiently remove debris.

Spring Pre-load Adjustment

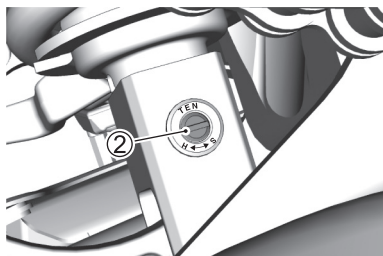
The adjustment can be performed by changing the adjuster ring ① position. However, Suzuki recommends that this adjustment be done by your authorized Suzuki dealer, since a special tool is needed for this job.



Damping Force Adjustment

The rebound and compression damping force can be individually adjusted by turning the respective adjusters. The rebound damping force adjuster ② is located at the bottom of the rear suspension. The compression damping force adjusters ③ are located at the left side of the rear suspension.

To adjust the damping force, set the adjuster to the standard setting first and then adjust the adjuster to the desired position.



<Rebound damping force standard setting>

To set the rebound damping force adjuster to the standard position, turn the adjuster clockwise until it stops and then turn it counterclockwise 1-1/2 turn.

- Turn the adjuster clockwise from the standard position to stiffen the damping force.
- Turn the adjuster counterclockwise to soften the damping force.

The adjuster can be turned 1 - 4/5 turns counterclockwise from the stiffest position. The damping force should be adjusted gradually to fine-tune the suspension.

<Compression damping force standard setting>

To set the compression damping force adjuster to the standard position, turn the adjuster clockwise until it stops and then turn it counterclockwise 8 clicks until the two punch marks align. If the two punch marks do not align by turning out 8 clicks, turn in or out the adjuster until two punch marks align.

- Turn the adjuster clockwise from the standard position to stiffen the damping force.
- Turn the adjuster counterclockwise to soften the damping force.

The adjuster can be turned 18 clicks counterclockwise from the stiffest position. The damping force should be adjusted gradually, 1 click at a time, to fine-tune the suspension.

INSPECTION AND MAINTENANCE

DESCRIPTION	3-2
INSPECTION BEFORE RIDING	3-6
TOOLS	3-8
STEERING DAMPER	3-8
FAIRING	3-9
FUEL TANK	3-11
LUBRICATION	3-13
BATTERY	3-14
SPARK PLUG	3-16
AIR CLEANER	3-17
ENGINE OIL	3-19
ENGINE COOLANT	3-26
ENGINE IDLE SPEED	3-30
THROTTLE CABLE	3-30
FUEL HOSE	3-31
DRIVE CHAIN	3-32
CLUTCH	3-36
BRAKES	3-37
GEARSHIFT LEVER	3-41
TIRES	3-42
SIDE STAND/IGNITION INTERLOCK SYSTEM	3-46
FRONT WHEEL	3-47
REAR WHEEL	3-49
LIGHT BULB	3-52
HEADLIGHT BEAM	3-52
FUSES	3-53
DIAGNOSTIC CONNECTOR	3-57

INSPECTION AND MAINTENANCE

DESCRIPTION

Regular inspection and maintenance are essential to riding your motorcycle safely, and to ensuring that it lasts a long time. The following simple inspections and maintenance tasks that are normally carried out frequently.

Carry out periodic inspections even when you do not use the motorcycle for an extended period. Inspect your motorcycle carefully when you begin using it again after an extended period of non-use.

Follow the guidelines in the chart. The intervals between periodic services in kilometers, miles and months are shown. At the end of each interval, be sure to perform the maintenance listed.

WARNING

Improper maintenance or failure to perform recommended maintenance can lead to a crash.

Keep your motorcycle in good condition. Ask your Suzuki dealer or a qualified mechanic to perform the maintenance items marked with an asterisk (*). You may perform the unmarked maintenance items by referring to the instructions in this section, if you have mechanical experience. If you are not sure how to do any of the jobs, ask your Suzuki dealer to do the maintenance.

WARNING

Inspection with the engine running is dangerous, as your hands or clothing may become caught in moving engine parts, resulting in serious injury.

Turn the engine off when inspecting anything other than the lights, engine stop switch, and throttle.

WARNING

Exhaust gas contains carbon monoxide, a dangerous gas that is difficult to detect because it is colorless and odorless. Breathing carbon monoxide can cause death or severe injury.

Never start the engine or let it run indoors or where there is little or no ventilation.

WARNING

For inspections while riding, maintain sufficient awareness of the traffic situation in the vicinity.

Reduce speed to less than normal, and perform the inspection in an area where there is little traffic.

WARNING

Performing maintenance beyond your competence without specialist knowledge may cause crashes or breakdowns.

For safety, only perform maintenance that is within your knowledge and area of competence. Consult a Suzuki dealer regarding anything difficult.

WARNING

Because of the presence of gasoline and flammable oils, there is a risk of fire if there are any ignition sources in close proximity when performing inspection and maintenance.

Do not smoke or bring a flame close to the motorcycle when performing maintenance.

CAUTION

The exhaust pipe or muffler and the engine become hot when the engine is running. Touching them before they cool down may cause burns.

When performing maintenance on parts close to the exhaust pipe, muffler or engine, wait until they have cooled down sufficiently to touch before starting maintenance.

NOTICE

Performing maintenance with your motorcycle in an unstable location may result in the motorcycle falling over during the process.

Perform maintenance in a location with a flat solid surface.

NOTICE

Servicing electrical parts with the ignition switch in the "ON" position can damage the electrical parts when the electrical circuit is shorted.

Turn off the ignition switch before servicing electrical parts to avoid short-circuit damage.

NOTICE

Poorly-made replacement parts can cause your motorcycle to wear more quickly and may shorten its useful life.

When replacing parts on your vehicle, use only genuine Suzuki replacement parts or their equivalent.

NOTE:

- The **MAINTENANCE CHART** specifies the minimum requirements for maintenance. If you use your motorcycle under severe conditions, perform maintenance more often than shown in the chart. If you have any questions regarding maintenance intervals, consult your Suzuki dealer or a qualified mechanic.
- Recycle or properly dispose of used oil.

MAINTENANCE CHART

Interval: This interval should be judged by number of months or odometer reading, whichever comes first.

Item	Interval	months	2	12	24	36	48
		km	1000	6000	12000	18000	24000
		miles	600	3750	7500	11250	15000
Air cleaner element (🔧 3-17)		–	I	I	R	I	
* Exhaust pipe bolts and muffler bolts		T	–	T	–	T	
* Valve clearance		–	–	–	–	I	
* Spark plugs		–	I	R	I	R	
Fuel hose (🔧 3-31)		–	I	I	I	I	
* Evaporative emission control system (if equipped)		–	–	I	–	I	
Engine oil (🔧 3-19)		R	R	R	R	R	
Engine oil filter (🔧 3-19)		R	–	–	R	–	
Throttle cable play (🔧 3-30)		I	I	I	I	I	
* PAIR (air supply) system		–	–	I	–	I	
* Throttle bore cleaning		–	–	I	–	I	
* Throttle valve synchronization		–	–	I	–	I	
* Engine coolant (🔧 3-26)	"SUZUKI SUPER LONG LIFE COOLANT" (Blue)	Replace every 4 years or 48000 km (30000 miles)					
	"SUZUKI LONG LIFE COOLANT" (Green) or an engine coolant other than "SUZUKI SUPER LONG LIFE COOLANT" (Blue)	–	–	R	–	R	
Radiator hose (🔧 3-29)		–	I	I	I	I	
Clutch fluid (🔧 3-36)		–	I	I	I	I	
Clutch hose (🔧 3-36)		–	I	I	I	I	
		*Replace every 4 years					
Drive chain (🔧 3-32)		I	I	I	I	I	
		Clean and lubricate every 1000 km (600 miles)					
* Brakes (🔧 3-37)		I	I	I	I	I	
Brake fluid (🔧 3-37)		–	I	I	I	I	
Brake hose (🔧 3-37)		–	I	I	I	I	
		*Replace every 4 years					
Tires (🔧 3-42)		–	I	I	I	I	
* Steering		I	–	I	–	I	
* Front forks		–	–	I	–	I	
* Rear suspension		–	–	I	–	I	
* Chassis bolts and nuts		T	T	T	T	T	
Lubrication (🔧 3-13)		Lubricate every 1000 km (600 miles)					

NOTE: I= Inspect and clean, adjust, replace or lubricate as necessary, R= Replace; T= Tighten

For Europe and Oceania countries

Interval Item		months	2	12	24	36	48
		km	1000	12000	24000	36000	48000
		miles	600	7500	15000	22500	30000
Air cleaner element (🔧 3-17)		—	I	I	R	I	
* Exhaust pipe bolts and muffler bolts		T	T	T	T	T	
* Valve clearance		Inspect every 24000 km (15000 miles)					
* Spark plugs		—	R	R	R	R	
Fuel hose (🔧 3-31)		—	I	I	I	I	
		*Replace every 4 years					
* Evaporative emission control system (if equipped)		—	—	I	—	I	
Engine oil (🔧 3-19)		R	R	R	R	R	
Engine oil filter (🔧 3-19)		R	—	R	—	R	
Throttle cable play (🔧 3-30)		I	I	I	I	I	
* PAIR (air supply) system		—	—	I	—	I	
* Throttle bore cleaning		—	I	I	I	I	
* Throttle valve synchronization		—	I	I	I	I	
* Engine coolant (🔧 3-26)	“SUZUKI SUPER LONG LIFE COOLANT” (Blue)	—	—	—	—	R	
	“SUZUKI LONG LIFE COOL-ANT” (Green) or an engine coolant other than “SUZUKI SUPER LONG LIFE COOLANT” (Blue)	—	—	R	—	R	
Radiator hose (🔧 3-29)		—	I	I	I	I	
Clutch fluid (🔧 3-36)		—	I	I	I	I	
		*Replace every 2 years					
Clutch hose (🔧 3-36)		—	I	I	I	I	
		*Replace every 4 years					
Drive chain (🔧 3-32)		I	I	I	I	I	
		Clean and lubricate every 1000 km (600 miles)					
* Brakes (🔧 3-37)		I	I	I	I	I	
Brake fluid (🔧 3-37)		Inspect every year or 6000 km (3750 miles) *Replace every 2 years					
Brake hose (🔧 3-37)		—	I	I	I	I	
		*Replace every 4 years					
Tires (🔧 3-42)		—	I	I	I	I	
* Steering		I	I	I	I	I	
* Front forks		—	I	I	I	I	
* Rear suspension		—	I	I	I	I	
* Chassis bolts and nuts		T	T	T	T	T	
Lubrication (🔧 3-13)		Lubricate every 1000 km (600 miles)					

NOTE: I= Inspect and clean, adjust, replace or lubricate as necessary,
R= Replace, T= Tighten

INSPECTION BEFORE RIDING

Check the condition of the motorcycle to help make sure that you do not have mechanical problems or get stranded somewhere when you ride. Be sure your motorcycle is in good condition for the personal safety of the rider, passenger, and protection of the motorcycle.

WARNING

If you operate this motorcycle with improper tires or improper or uneven tire pressure, you may lose control of the motorcycle. This will increase your risk of a crash.

Always use tires of the size and type specified in this owner's manual. Always maintain proper tire pressure as described in the **INSPECTION AND MAINTENANCE** section.

WARNING

Failure to inspect your motorcycle before riding and to properly maintain your motorcycle increases the chances of a crash or equipment damage.

Always inspect your motorcycle each time you use it to make sure it is in safe operating condition. Refer to the **INSPECTION AND MAINTENANCE** section in this owner's manual.

WARNING

Checking maintenance items when the engine is running can be hazardous. You could be severely injured if your hands or clothing get caught in moving engine parts.

Shut the engine off when performing maintenance checks, except when checking the lights, engine stop switch, and throttle.

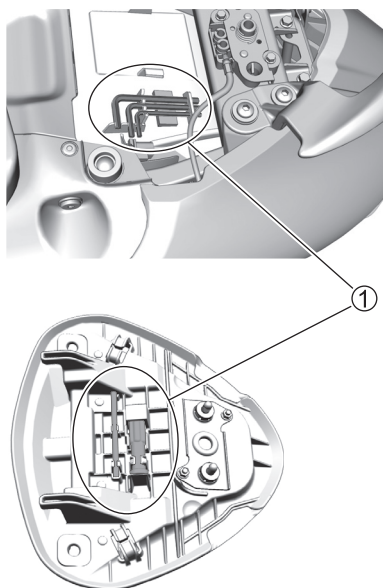
WHAT TO CHECK	CHECK FOR:
Steering	<ul style="list-style-type: none"> • Smoothness • No restriction of movement • No play or looseness
Throttle	<ul style="list-style-type: none"> • Correct play in the throttle cable • Smooth operation and positive return of the throttle grip to the closed position
Clutch (☞ 2-87, 3-36)	<ul style="list-style-type: none"> • Fluid level in the reservoir to be above "LOWER" line • Correct lever play • No fluid leakage • No "sponginess" • Smooth and progressive action
Brakes (☞ 2-86, 2-86, 3-37)	<ul style="list-style-type: none"> • Proper pedal and lever operation • Fluid level in the reservoir to be above "LOWER" line • Correct pedal and lever play • No "sponginess" • No fluid leakage • Brake pads not worn down to the limit line
Suspension (☞ 2-90)	Smooth movement
Fuel (☞ 2-28)	Enough fuel for the planned distance of operation
Drive chain (☞ 3-32)	<ul style="list-style-type: none"> • Correct tension or slack • Adequate lubrication • No excessive wear or damage
Tires (☞ 3-42)	<ul style="list-style-type: none"> • Correct pressure • Adequate tread depth • No cracks or cuts
Engine oil (☞ 3-19)	Correct level
Cooling system (☞ 3-26)	<ul style="list-style-type: none"> • Proper coolant level • No coolant leakage
Lighting (☞ 2-10, 2-73)	Operation of all lights and indicators
Horn (☞ 2-73)	Correct function
Engine stop switch (☞ 2-74)	Correct function

Side stand/Ignition interlock system (☞ 2-79)	Proper operation
Windshield	Good visibility

TOOLS

LIST

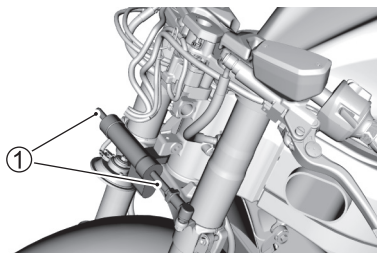
A tool kit ① is supplied and located under the seat.



STEERING DAMPER

MAINTENANCE

1. Keep the steering damper shaft ① clean at all times.
2. Wipe off any oil residue with a cloth.



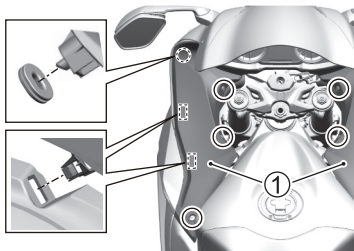
NOTE:

- Do not confuse the grease-like residue on the steering damper's shaft with an oil leak. Collection of this residue is normal and is from oil seal lubricant used in the damper.
- You may also notice a sound as the damper shaft is stroked in and out. This "escaping air" type sound is normal and is made as the internal valving damps the shaft movement.

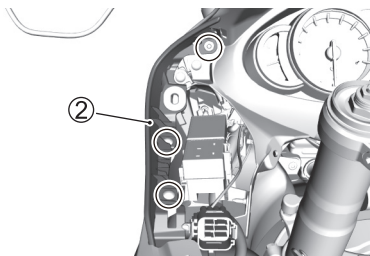
FAIRING

SIDE COWLING REMOVING

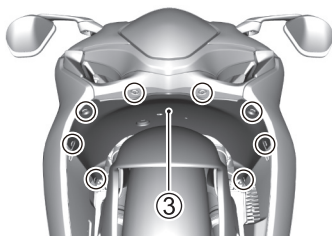
1. Place the motorcycle on the level ground.
2. Remove the front and rear seat by referring to the SEAT section. (2-88)
3. Remove the bolts and fasteners. Unhook the hooks and remove the right and left meter panels ①.



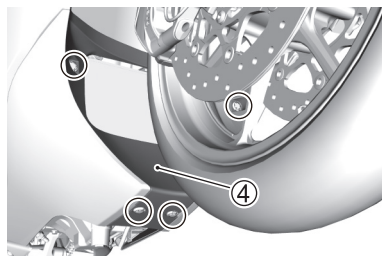
4. Remove the screws and fasteners. Remove the right and left meter front panels ②.



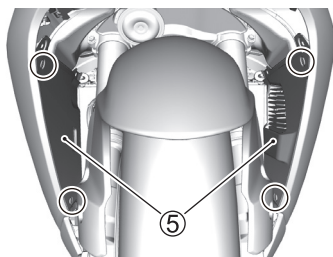
5. Remove the fasteners. Remove the body cowl cover ③.



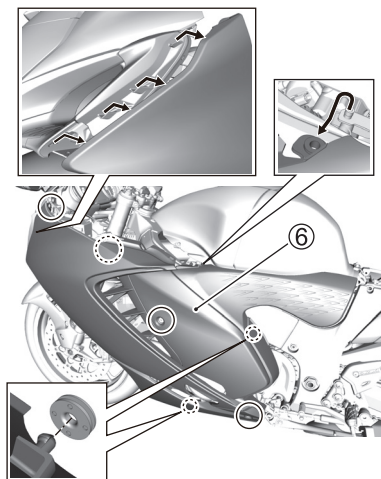
6. Remove the fasteners. Remove the under center cowl ④.



7. Remove the fasteners. Remove the right and left under inner cowlings ⑤.

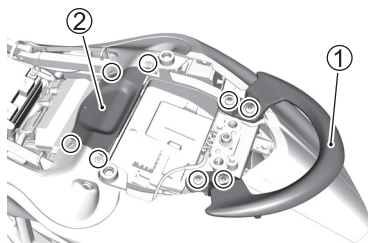


8. Remove the bolts, screws and fasteners. Unhook the hooks and remove the right and left side cowlings ⑥.

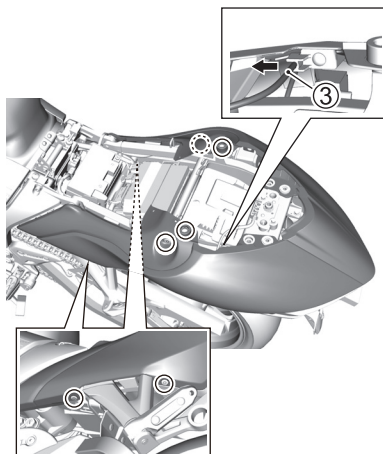


FRAME COVER REMOVING

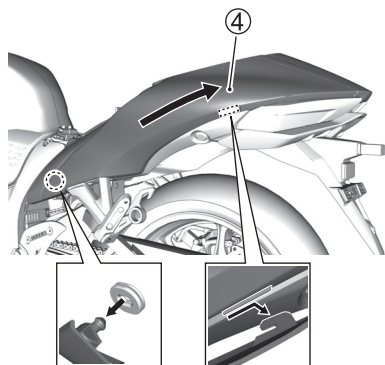
1. Place the motorcycle on the level ground.
2. Remove the front and rear seat by referring to the SEAT section. (→ 2-88)
3. Remove the bolts. Remove the passenger hand rail ①.
4. Remove the fasteners. Remove the frame cover center lid ②.



5. Remove the bolts, screws, fasteners and seat lock cable ③.



6. Unhook the right and left hooks. Remove the frame cover ④ to the arrowed direction.



Installation

Reinstall the left frame cover in reverse order of removal.

Passenger hand rail bolt tightening torque:
25 N·m (2.5 kgf-m, 18.0 lbf-ft)

FUEL TANK

LIFTING

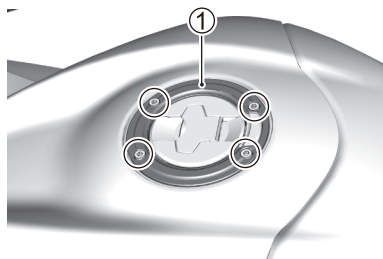
⚠ WARNING

If you lift up the fuel tank when it is full, fuel can seep out from the fuel tank cap, creating a fire hazard.

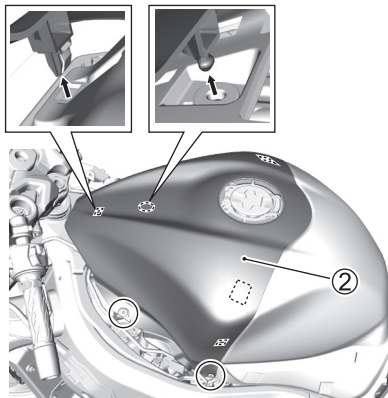
Reduce the fuel level to less than 1/4 full before lifting up the fuel tank.

Lift up the fuel tank using the following procedure.

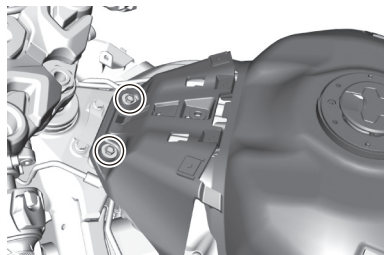
1. Place the motorcycle on the level ground.
2. Remove the right and left side cowlings by referring to the FAIRING REMOVAL section. (➡ 3-9)
3. Remove the bolts. Remove the fuel tank cap cover ①.



4. Remove the right and left side bolts and fasteners. Pull the fuel tank front cover to unfasten the fasteners and remove the fuel tank front cover ②.

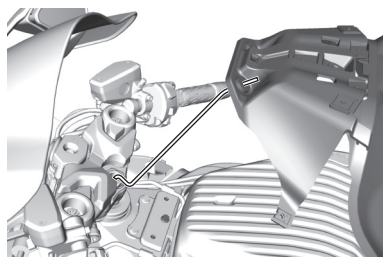


5. Remove the bolts.

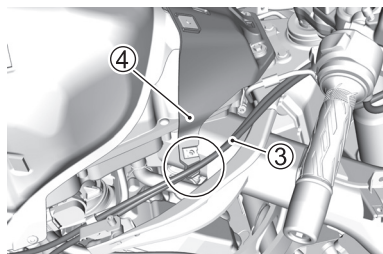


6. Lift the front end of the fuel tank and prop it up as shown above. Insert the crank end of the prop stay into the hole of the steering shaft.

NOTE: A prop stay is available at your Suzuki dealer. The prop stay part number is 44574-35F00.



7. To replace the fuel tank reverse the complete sequence listed above.
8. When installing the fuel tank, place the throttle cable ③ outside the tank bracket ④.



LUBRICATION

LUBRICATION POINTS

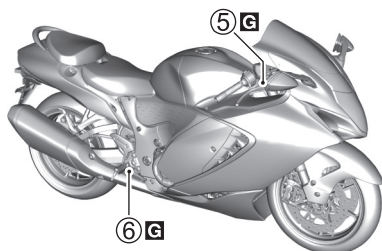
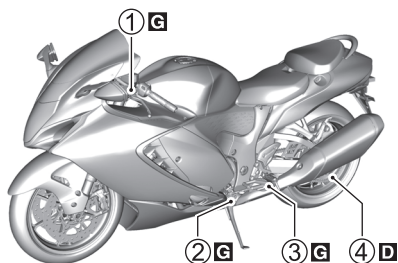
Proper lubrication is important for smooth operation and long life of each working part of your motorcycle and also for safe riding. It is good practice to lubricate the motorcycle after a long rough ride and after getting it wet in the rain or after washing it.

NOTICE

Lubricating electrical switches can damage the switches.

Do not apply grease or oil to electrical switches.

Major lubrication points are indicated below.



G Grease

D Drive chain lubricant

- ① Clutch lever pivot
- ② Side stand pivot and spring hook
- ③ Gearshift lever pivot and footrest pivot
- ④ Drive chain
- ⑤ Brake lever pivot
- ⑥ Brake pedal pivot and footrest pivot

BATTERY

DESCRIPTION

The battery is a sealed-type battery and requires no maintenance. Have your dealer check the battery's state of charge periodically.

The crossed-out wheeled bin symbol (A) located on the battery label indicates that a used battery should be collected separately from ordinary household waste.

The chemical symbol of "Pb" (B) indicates the battery contains more than 0.004% lead.



By ensuring the used battery is disposed of or recycled correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of the battery. The recycling of materials will help to conserve natural resources. For more detailed information about disposing or recycling of the used battery, consult your Suzuki dealer.

NOTE:

- For charging a sealed-type battery, use a battery charger applicable to a sealed-type battery.
- If you cannot charge the battery, consult your authorized Suzuki dealer.
- Select the same type MF battery when replacing the battery.
- Recharge the battery once a month if the motorcycle is not used for a long time.

⚠ WARNING

The battery contains dilute sulfuric acid, which may cause blindness or severe burns.

Do not tip the battery when removing it. When working close to the battery, wear gloves and appropriate protective equipment to protect the eyes. If sulfuric acid enters your eyes, wash them immediately in copious amounts of water for at least 15 minutes and then consult a doctor. If you ingest sulfuric acid, drink copious amounts of water immediately and then consult a doctor. If sulfuric acid comes into contact with your skin or clothes, remove your clothes and wash them immediately in copious amounts of water. Store in a location out of the reach of children.

⚠ WARNING

Battery posts, terminals, and related accessories contain lead and lead compounds. Lead is harmful to your health if it gets into your blood stream.

Wash hands after handling any parts containing lead.

⚠ WARNING

Batteries produce flammable hydrogen gas which can explode if exposed to flames or sparks.

Keep flames and sparks away from the battery. Never smoke when working near the battery.

⚠ WARNING

Wiping the battery with a dry cloth can cause a static electricity spark, which can start a fire.

Wipe the battery with a damp cloth to avoid static electricity build up.

NOTICE

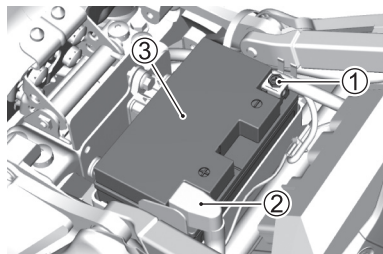
Exceeding the maximum charging rate for the battery can shorten its life.

Never exceed the maximum charging rate for the battery. Consult a Suzuki dealer if anything is unclear.

REMOVING

To remove the battery, follow the procedure below:

1. Support the motorcycle on the side stand.
2. Set the ignition switch to OFF.
3. Remove the front seat. See "FRONT SEAT" on page 2-88.
4. Disconnect the negative (-) terminal ①.
5. Remove the terminal cover ② and disconnect the positive (+) terminal.
6. Remove the battery ③.



7. Wipe any white powder adhering to the terminal section away with warm water. If there is severe corrosion, buff it off with sandpaper.

NOTE:

- When removing battery cables, be sure to set the ignition switch to OFF and remove the negative (-) side first. When attaching battery cables, attach the positive (+) side first.
- When replacing the battery, consult a Suzuki dealer.

INSTALLATION

To install the battery:

1. After cleaning, apply a thin layer of grease to the terminal section, install the battery in the reverse order of removal.
2. Connect the battery terminals securely and reinstall the cap.

NOTE: When the terminals are disconnected, the instrument panel setting will return to the default setting, so reset it.

NOTICE

Reversing the battery lead wires can damage the charging system and the battery.

Always attach the red lead to the (+) positive terminal and the black (or black with white tracer) lead to the (-) negative terminal.

SPARK PLUG

DESCRIPTION

For the spark plug check or replacement procedure, consult with your Suzuki dealer or a qualified mechanic.

AIR CLEANER

DESCRIPTION

The air cleaner element must be kept clean to provide good engine power and gas mileage. If you use your motorcycle under normal low-stress conditions, you should service the air cleaner at the intervals specified. If you ride in dusty, wet or muddy conditions, you will need to inspect the air cleaner element much more frequently.

Use the following procedure to remove the element and inspect it.

WARNING

Operating the engine without the air cleaner element in place can be hazardous. A flame can spit back from the engine to the air intake box without the air cleaner element to stop it. Severe engine damage can also occur if dirt enters the engine due to running the engine without the air cleaner element.

Never run the engine without the air cleaner element in place.

NOTICE

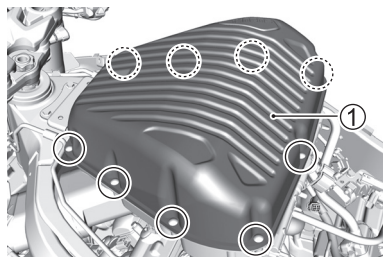
Failure to inspect the air cleaner element frequently if the vehicle is used in dusty, wet, or muddy conditions can damage your motorcycle. The air cleaner element can become clogged under these conditions, and engine damage may result.

Always inspect the air cleaner element after riding in severe conditions. Replace the element as necessary. If water gets in the air cleaner case, immediately clean the element and the inside of the case.

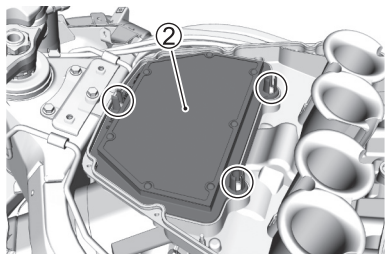
AIR CLEANER ELEMENT

Removing

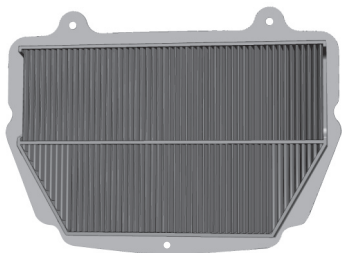
1. Lift up the fuel tank. Refer to "FUEL TANK" on page 3-11.
2. Remove the screws and pull up the air cleaner cap ①.



3. Remove the screws and remove the air cleaner element ②.



4. Inspect the air cleaner element condition. Replace the air cleaner element periodically.



NOTICE

Compressed air can damage the air cleaner element.

Do not blow the air cleaner element with compressed air.

Installation

1. Reinstall the air cleaner element in reverse order of removal.

NOTICE

A torn air cleaner element will allow dirt to enter the engine and can damage the engine.

Replace the air cleaner element with a new one if it is torn. Carefully examine the air cleaner element for tears during cleaning.

NOTICE

Failure to position the air cleaner element properly can allow dirt to bypass the air cleaner element. This will cause engine damage.

Be sure to properly install the air cleaner element.

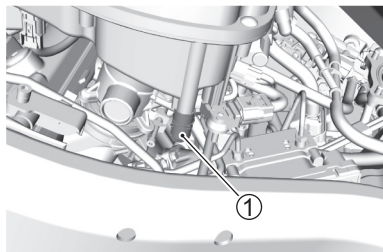
2. Reinstall the fuel tank.

NOTE: Check that the fuel tank drain hose and breather hose are not bent before reinstalling the fuel tank.

AIR CLEANER DRAIN PLUG CLEANING

Removing

Every year, check to see if water or oil has accumulated in the air cleaner drain tube attached to the bottom of the air cleaner box. If dirt or water has accumulated, remove the air cleaner drain tube ① and then remove any accumulated dirt and water.



Installation

Attach the air cleaner drain tube firmly.

ENGINE OIL

DESCRIPTION

Engine life depends on oil amount and quality. Daily oil level checks and periodic changes are two of the most important maintenance items to be performed.

NOTE: Before adding, draining, or replacing engine oil, read cautions on the engine oil container and instructions in this section.

SELECTING THE ENGINE OIL

Suzuki recommends the use of SUZUKI Genuine Oil or Equivalent Engine Oil.

< SUZUKI Genuine Oil >

Standard Oil	SAE	JASO
ECSTAR R9000	10W-40	MA
ECSTAR R7000	10W-40	MA
ECSTAR R5000	10W-40	MA

< Equivalent Engine Oil >

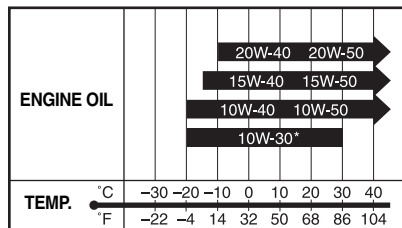
Equivalent Engine Oil means engine oil that meets the following standards.

SAE	API	JASO
10W-40	SJ, SL, SM or SN	MA (MA1, MA2)

API: American Petroleum Institute
JASO: Japanese Automobile Standards Organization

SAE engine oil viscosity

If SAE 10W-40 engine oil is not available, select an alternative according to the following chart.



*USE ONLY SJ or SL.

NOTICE

Mixing oils of different makes and grades may alter the quality of the oil and cause a breakdown.

Do not mix oils or use low-quality oil.

Energy conserving

Suzuki does not recommend the use of “ENERGY CONSERVING” or “RESOURCE CONSERVING” oils. Some engine oils which have an API classification of SJ, SL, SM or SN have an “ENERGY CONSERVING” or “RESOURCE CONSERVING” indication in the API classification donut mark. These oils can negatively affect engine life and clutch performance.

API SJ, SL, SM or SN



Recommended

API SJ, SL or SM



API SN

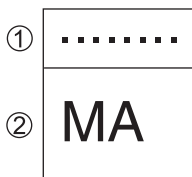


Not recommended

JASO T903

The JASO T903 standard is an index to select engine oils for 4-stroke motorcycle and ATV engines. Motorcycle and ATV engines lubricate clutch and transmission gears with engine oil. JASO T903 specifies performance requirements for motorcycle and ATV clutches and transmissions.

There are two classes, MA (MA1, MA2) and MB. For example, the oil container shows the MA classification as follows.



- ① Code number of oil sales company
- ② Oil classification

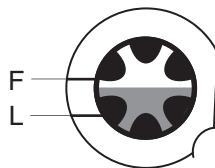
CHECKING THE ENGINE OIL LEVEL

Check the engine oil level as follows:

1. Place the motorcycle on level ground on the side stand.
2. Start the engine and allow it to idle for three minutes.
3. Stop the engine and wait three minutes.
4. Stand the motorcycle upright, and check whether the surface of the engine oil in the sight glass on the right side of the engine is between F (upper level) and L (lower level).

If the oil is above the F (upper level) or below the L (lower level), adjust the oil level to be between F and L.

- If the oil is below the L (lower level), add additional oil.
- If the oil is above the F (upper level), drain oil to adjust the level. Consult a Suzuki dealer for information on how to drain oil.



⚠ CAUTION

The exhaust pipe or muffler and the engine become hot when the engine is running and after it has stopped. Touching them before they cool may cause burns.

When performing maintenance on nearby parts, wait until the exhaust pipe or muffler and engine have cooled down sufficiently to touch before starting maintenance.

NOTICE

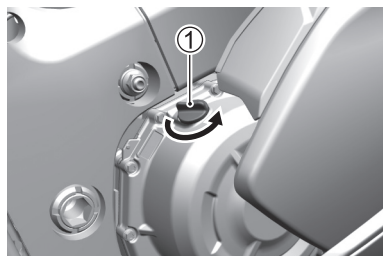
Operating the motorcycle with too little or too much oil can damage the engine.

Place the motorcycle on level ground. Check the oil level in the engine oil inspection window before each use of the vehicle. Be sure the engine oil level is always above the “L” (low) line and not higher than the “F” (full) line.

ADD THE ENGINE OIL

Follow the following procedure to add additional engine oil.

1. Idle the engine for three minutes in a flat area, and then stop the engine.
2. Wait three minutes, then remove the oil filler cap ①.



3. Hold the motorcycle upright, and add oil so that the surface of the engine oil is between F (upper level) and L (lower level).
4. Attach the cap ① firmly.

⚠ WARNING

Children and pets may be harmed by swallowing new or used oil.

Keep new and used oil and used oil filters away from children and pets.

⚠ WARNING

Repeated, prolonged contact with used engine oil has caused skin cancer in animal tests. Brief contact with oil may irritate skin.

To minimize your exposure to used oil, wear a long-sleeve shirt and moisture-proof gloves (such as dishwashing gloves) when changing oil. If oil contacts your skin, wash thoroughly with soap and water. Launder any clothing or rags if wet with oil. Recycle or properly dispose of used oil and filters.

NOTICE

If any dirt enters from the oil filler opening, it may damage the engine.

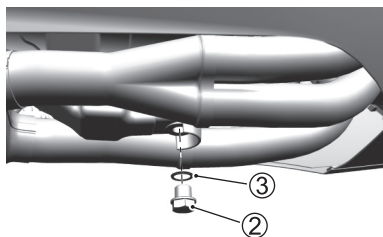
Check that there is no dust, mud, or foreign matter adhering to the oil container, and ensure that foreign material does not enter via the oil filler opening.

NOTE: Wipe up any spilled oil completely.

CHANGING THE ENGINE OIL AND FILTER

Change the engine oil and oil filter at the scheduled times. The engine should always be warm when the oil is changed so the oil will drain easily. The procedure is as follows:

1. Place the motorcycle on the side stand.
2. Remove the oil filler cap.
3. Remove the drain plug ② and gasket ③ from the bottom of the engine and drain the engine oil into a drain pan.



⚠ CAUTION

Hot engine oil and exhaust pipes can burn you.

Wait until the oil drain plug and exhaust pipes are cool enough to touch with bare hands before draining oil.

NOTICE

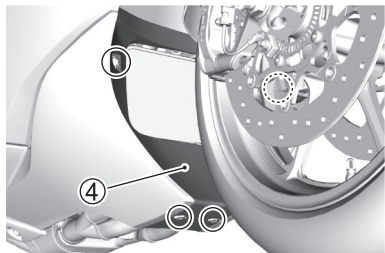
Turning the engine while draining the engine oil will cause a reduced coating of parts and adversely affect the engine.

Do not use the electric starter switch during engine oil replacement.

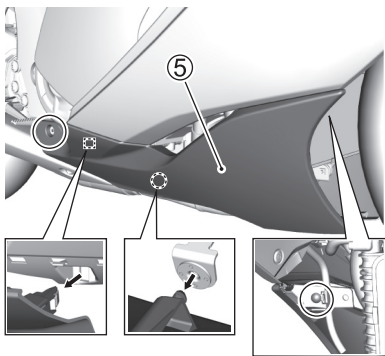
NOTE:

- *Recycle or properly dispose of used oil.*
- *Before starting the work, check that there is not any dust, mud, or foreign object inside the oil container or on the oil filter mounting surface.*

4. Remove the fastener. Remove the under center cowling ④.



5. Remove the bolt and screw. Unhook the hooks and remove the right under cowling ⑤.

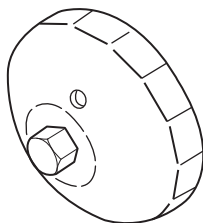
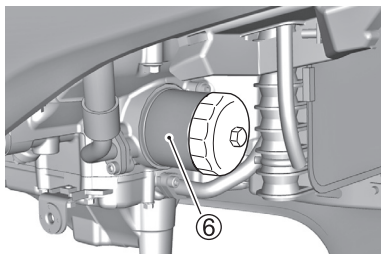


6. Turn the oil filter ⑥ counterclockwise and remove it with a Suzuki “cap type” oil filter wrench or a “strap type” filter wrench of the proper size.

NOTICE

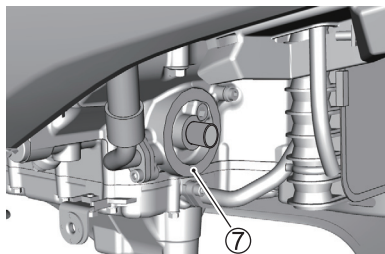
Damage to the cooling fins of an oil cooler affects engine performance.

Be careful not to damage the oil cooler when replacing the oil filter.

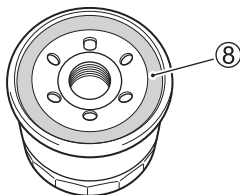


**Available from Suzuki dealer
Oil filter wrench
(Part No. 09915-40620)**

7. Wipe off the mounting surface ⑦ on the engine where the new filter will be seated with a clean rag.



8. Smear a little engine oil around the rubber gasket ⑧ of the new oil filter.



9. Screw the new filter on by hand until the filter gasket contacts the mounting surface (small resistance will be felt).

NOTICE

Failure to use an oil filter with the correct design and thread specifications can damage your motorcycle's engine.

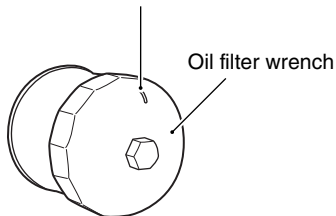
Be sure to use a genuine Suzuki oil filter or an equivalent one designed for your motorcycle.

NOTE: To tighten the oil filter properly, it is important to accurately identify the position at which the filter gasket first contacts the mounting surface.

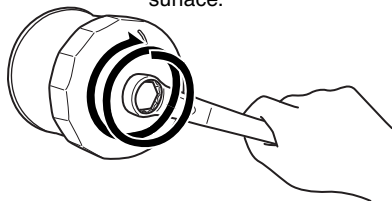
10. Mark the top dead center position on the "cap type" filter wrench or on the oil filter. Use an oil filter wrench to tighten the filter 2 turns or to specified torque.

**Oil filter tightening torque:
20 N·m (2.0 kgf-m, 14.5 lbf-ft)**

Mark top dead center



In the position at which the filter gasket first contacts the mounting surface.



Tighten the filter 2 turns or to specified torque.

11. Replace the drain plug gasket ③ with a new one. Reinstall the drain plug ② and gasket ③. Tighten the plug securely with a torque wrench. Pour 3400 ml (3.6/3.0 US/Imp. qt) of new engine oil through the filler hole and install the filler cap. Be sure to always use the specified engine oil described in the see "SELECTING THE ENGINE OIL" on page 3-19.

Drain plug tightening torque:
23 N·m (2.3 kgf-m, 16.5 lbf-ft)

NOTE: About 3200 ml (3.4/2.8 US/Imp. qt) of oil will be required when changing oil only.

NOTICE

Engine damage may occur if you use oil that does not meet Suzuki's specifications.

Be sure to use the oil specified in the SELECTING THE ENGINE OIL section.

12. Start the engine (while the motorcycle is outside on level ground) and allow it to idle for three minutes.
13. Turn the engine off and wait approximately three minutes. Recheck the oil level in the engine oil inspection window while holding the motorcycle upright. If it is lower than the "L" line, add oil until the oil level is between the "L" line and the "F" line. Inspect the area around the drain plug and oil filter for leaks.

NOTE: If you do not have a proper oil filter wrench, have your Suzuki dealer perform this service.

ENGINE COOLANT

DESCRIPTION

Coolant must be changed regularly. Replace it at appropriate intervals according to the maintenance schedule. Consult a Suzuki dealer regarding coolant replacement.

ABOUT THE ENGINE COOLANT

Engine coolant performs as a rust inhibitor and water pump lubricant as well as an anti-freeze solution. Therefore engine coolant should always be used even though the atmospheric temperature in your area does not go down to the freezing point.

Use "SUZUKI SUPER LONG LIFE COOLANT" or "SUZUKI LONG LIFE COOLANT". If "SUZUKI SUPER LONG LIFE COOLANT" and "SUZUKI LONG LIFE COOLANT" are not available, use a glycol-based anti-freeze compatible with an aluminum radiator mixed with distilled water only at the ratio of 50:50.

Solution capacity (total): 2700 ml (2.9/2.4 US/Imp. qt)

50%	Water	1350 ml (1.4/1.2 US/Imp. qt)
	Coolant	1350 ml (1.4/1.2 US/Imp. qt)

Suzuki super long life coolant (Blue)

“SUZUKI SUPER LONG LIFE COOLANT” is pre-mixed to the proper ratio. Add only “SUZUKI SUPER LONG LIFE COOLANT” if the coolant level drops. It is not necessary to dilute “SUZUKI SUPER LONG LIFE COOLANT” when replacing coolant.

WARNING

Making a mistake when handling coolant may negatively affect both your body and the motorcycle.

Before beginning, read the cautions written on the container carefully. Consult a Suzuki dealer if anything is unclear.

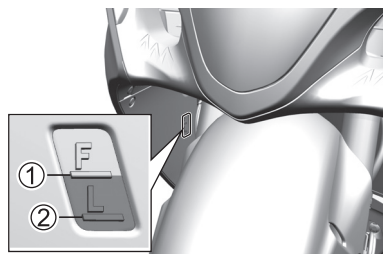
NOTE:

- Before working with coolant, read cautions on the coolant container and instructions in this section.
- A 50% mixture will protect the cooling system from freezing at temperatures above -31°C (-24°F). If the motorcycle is to be exposed to temperature below -31°C (-24°F), this mixing ratio should be increased up to 55% ($-40^{\circ}\text{C}/-40^{\circ}\text{F}$) or 60% ($-55^{\circ}\text{C}/-67^{\circ}\text{F}$) coolant. The mixing ratio should not exceed 60% coolant.

CHECKING THE COOLANT LEVEL

When the engine is cold, carry out an inspection according to the following procedure.

1. Place the motorcycle on level ground.
2. Hold the motorcycle upright, and check that the coolant level is between F (upper level) ① and L (lower level) ②.



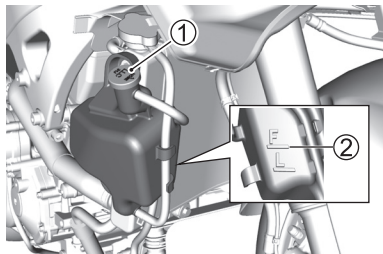
NOTE:

- A marked decrease in coolant may indicate leaks in the radiator body or hoses. Have your motorcycle inspected by a Suzuki dealer.
- If the engine coolant reservoir is empty, check the radiator coolant level.
- Replenish with coolant. Do not use well water or natural water.
- Consult a Suzuki dealer regarding coolant replacement.

TO ADD SPECIFIED ENGINE COOLANT

To add specified engine coolant:

1. Place the motorcycle on the level ground.
2. Remove the right side cowling by referring to the FAIRING section. (🔧 3-9)
3. Remove the filler cap ①.
4. Add specified engine coolant through the filler hole until it reaches the "F" line ② with the motorcycle held upright. Refer to the ENGINE COOLANT section. (🔧 3-26)



NOTE: Adding only water will dilute the engine coolant and reduce its effectiveness. Add specified engine coolant.

WARNING

Engine coolant is harmful or fatal if swallowed or inhaled. The solution can be poisonous to animals.

Do not drink antifreeze or coolant solution. If swallowed, do not induce vomiting. Immediately contact a poison control center or a physician. Avoid inhaling mist or hot vapors; if inhaled, go to fresh air. If coolant gets in the eyes, flush eyes with water and seek medical attention. Wash thoroughly after handling. Keep out of the reach of children and animals.

WARNING

Removing the radiator cap when the engine is hot may cause the coolant to spray out, causing burns.

Replenish coolant by removing the reservoir tank cap. Do not remove the radiator cap.

CAUTION

If the engine coolant exceeds the “F” line when adding engine coolant, it may overflow from the reservoir tank when the engine becomes hot.

When adding engine coolant, make sure that the engine coolant level is not higher than the “F” line.

NOTICE

Spilled engine coolant can damage the painted surfaces of your motorcycle.

Be careful not to spill any fluid when filling the radiator. Wipe spilled engine coolant up immediately.

RADIATOR DEVICE INSPECTION

Inspect the radiator body and hoses for cracks, damage or engine coolant leakage. If any issues are found, ask your Suzuki dealer to replace the radiator hose with a new one.

ENGINE IDLE SPEED

INSPECTION

Inspect the engine idle speed. The engine idle speed should be **1050 – 1250 r/min** when the engine is warm.

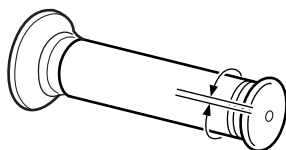
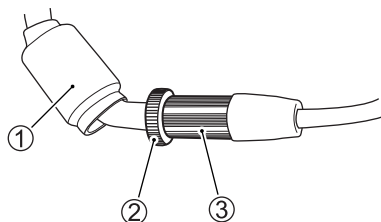
NOTE: If the engine idle speed is not within the specified range, ask your Suzuki dealer or a qualified mechanic to inspect and repair the motorcycle.

THROTTLE CABLE

THROTTLE CABLE PLAY

To adjust the cable play:

1. Remove the boot ①.
2. Loosen the lock nut ②.
3. Turn the adjuster ③ so that the throttle grip has 2.0 – 4.0 mm (0.08 – 0.16 in) play.
4. Tighten the lock nut ②.
5. Reinstall the boot ①.



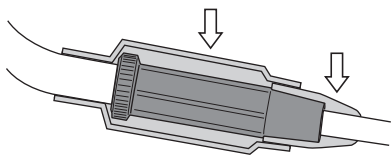
2.0 – 4.0 mm
(0.08 – 0.16 in)

WARNING

Inadequate throttle cable play can cause engine speed to rise suddenly when you turn the handlebars. This can lead to loss of control and an accident.

Adjust the throttle cable play so that engine idle speed does not rise due to handlebar movement.

THROTTLE CABLE BOOTS

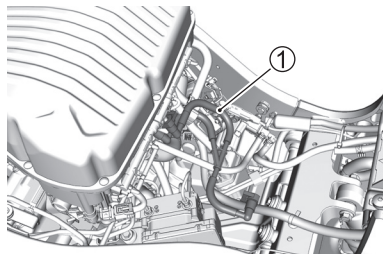


The throttle cable has boots. Check that the boots are fit securely. Do not apply water directly to the boots when washing. Wipe off dirt from the boots with a wet cloth when the boots are dirty.

FUEL HOSE

INSPECTION

Inspect the fuel hose ① for damage and fuel leakage. If any issues are found, the fuel hose must be replaced.



DRIVE CHAIN

DESCRIPTION

This motorcycle has an endless drive chain constructed from special materials. It does not use a master link. We recommend that you take your motorcycle to an authorized Suzuki dealer if the drive chain needs to be replaced. The condition and adjustment of the drive chain should be checked each day before you ride. Always follow the guidelines for inspecting and servicing the chain.

WARNING

Riding with the chain in poor condition or improperly adjusted can lead to a crash.

Inspect, adjust, and maintain the chain properly before each ride, according to the instructions in this section.

NOTICE

If you ride the motorcycle while the chain slack is outside the range of the specified values, damage to the parts around the chain may result.

Conduct regular inspections according to the MAINTENANCE CHART (👉 3-4, 3-5).

INSPECTING THE DRIVE CHAIN

When inspecting the chain, look for the following:

- Loose pins
- Damaged rollers
- Dry or rusted links
- Kinked or binding links
- Excessive wear
- Improper chain adjustment

If you find anything wrong with the drive chain condition or adjustment, correct the problem if you know how.

If necessary, consult your authorized Suzuki dealer.

Damage to the drive chain means that the sprockets may also be damaged. Inspect the sprockets for the following:

- Excessively worn teeth
- Broken or damaged teeth
- Loose sprocket mounting nuts

If you find any of these issues with your sprocket, consult your Suzuki dealer.

WARNING

Improperly installing a replacement chain, or using a joint-clip type chain, can be hazardous. An incompletely riveted master link, or a joint-clip type master link, may come apart and cause a crash or severe engine damage.

Do not use a joint-clip type chain. Chain replacement requires a special riveting tool and a high-quality, non-joint-clip type chain. Ask an authorized Suzuki dealer or a qualified mechanic to perform this work.

DRIVE CHAIN CLEANING AND OILING

Clean and oil the drive chain using the following procedure.

1. Remove dirt and dust from the drive chain. Be careful not to damage the seal rings.
2. For cleaning, use a dedicated sealed chain cleaner or water or neutral detergent and a soft brush. Even a soft brush may harm the seals, so be careful not to damage the seal rings.

NOTICE

Cleaning the drive chain improperly can damage seal rings and ruin the drive chain.

- Do not use a volatile solvent such as paint thinner, kerosene, or gasoline.
- Do not use a high pressure cleaner to clean the drive chain.
- Do not use a wire brush to clean the drive chain.

3. Wipe off water and neutral detergent.

4. Lubricate with a motorcycle sealed drive chain lubricant or high viscosity oil (#80 – 90).

NOTICE

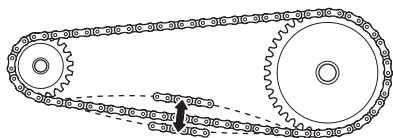
Some drive chain lubricant contains solvents and additives which could damage the seal rings in the drive chain.

Use sealed drive chain lubricant, which is specifically intended for use with sealed drive chains.

5. Lubricate both front and back plates of the drive chain.
6. Wipe off excess lubricant after lubricating all around the drive chain.

DRIVE CHAIN ADJUSTMENT

Inspect the drive chain slack before each use of the motorcycle. Place the motorcycle on the side stand. The drive chain should be adjusted for 20 – 30 mm (0.8 – 1.2 in) of slack, as shown.



20 – 30 mm
(0.8 – 1.2 in)

WARNING

Too much chain slack can cause the chain to come off the sprockets, resulting in a crash or serious damage to the motorcycle.

Inspect and adjust the drive chain slack before each use.

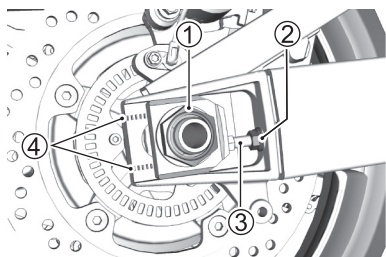
CAUTION

A hot muffler can burn you. The exhaust pipe or muffler will be hot enough to burn you for some time after stopping the engine.

Wait until the exhaust pipe or muffler cools before adjusting the drive chain.

To adjust the drive chain, follow the procedure below:

1. Place the motorcycle on the side stand.
2. Loosen the axle nut ①.



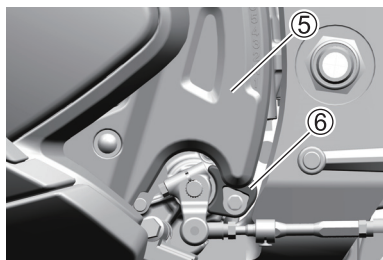
3. Loosen the right and left lock nuts ②.
4. Turn the right and left adjuster bolts ③ until the chain has 20 – 30 mm (0.8 – 1.2 in) of slack halfway between the engine sprocket and rear sprocket.
5. At the same time that the chain is being adjusted, the rear sprocket must be kept in perfect alignment with the front sprocket. To assist you in performing this procedure, there are reference marks ④ on the swingarm and each chain adjuster which are to be aligned with each other and to be used as a reference from one side to the other.

6. Tighten the axle nut ① securely.
7. Recheck the chain slack after tightening and readjust if necessary.
8. Tighten the right and left lock nuts ②.

**Rear axle nut tightening torque:
100 N·m (10.0 kgf-m, 72.5 lbf-ft)**

NOTE: Do not adjust the drive chain beyond the adjustable range ④. Replace the drive chain before the drive chain exceeds the limit.

GEAR SHIFT COVER PROTECTOR



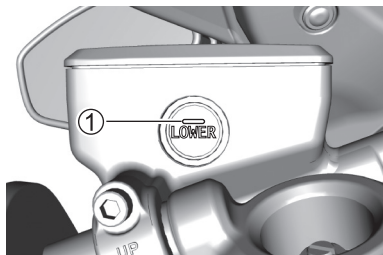
Remove the gear shift cover ⑤ and inspect the gear shift cover protector ⑥ for wear and damage when adjusting drive chain. If the gear shift cover protector is worn or cracked, replace it with a new one. For the gear shift cover protector check or replacement procedure, consult with your Suzuki dealer or a qualified mechanic.

CLUTCH

CLUTCH FLUID

The clutch release mechanism of this motorcycle is operated by hydraulic pressure. There is no adjustment needed on the clutch release system because the system is self adjusting. However, inspect the following each time before riding to make sure that the system is in good condition and functioning properly.

- Fluid level in the reservoir is above the "LOWER" line ①.
- No fluid leakage.
- Smooth and sure action of the clutch lever.



⚠ WARNING

The use of any fluid except DOT4 fluid from a sealed container can damage the clutch system and lead to a crash.

Clean filler cap before removing. Use only DOT4 fluid from a sealed container. Never use or mix with different types of fluid.

⚠ WARNING

Clutch fluid is harmful or fatal if swallowed, and harmful if it comes in contact with skin or eyes. Solution can be poisonous to animals.

If clutch fluid is swallowed, do not induce vomiting. Immediately contact a poison control center or a physician. If fluid gets in the eyes, flush them with water and seek medical attention. Wash thoroughly after handling. Keep out of the reach of children and animals.

NOTICE

Spilled clutch fluid can damage painted surfaces and plastic parts.

Be careful not to spill any fluid when filling the fluid reservoir. Wipe spilled fluid up immediately.

CLUTCH HOSE INSPECTION

Inspect the clutch hoses and hose joints for cracks or clutch fluid leakage. If any issues are found, ask your Suzuki dealer to replace the clutch hose with a new one.

BRAKES

DESCRIPTION

This motorcycle has front and rear disk brakes.

WARNING

Failure to properly inspect and maintain your motorcycle's brake systems can increase your chance of a crash.

Be sure to inspect the brakes before each use according to the **INSPECTION BEFORE RIDING** section. Always maintain your brakes according to the **MAINTENANCE SCHEDULE**.

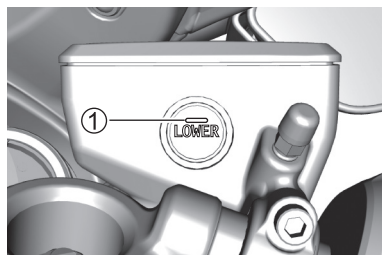
NOTE: Operating in mud, water, sand, or other extreme conditions can cause accelerated brake wear. If you operate your motorcycle under these conditions, the brakes must be inspected more often than recommended in the MAINTENANCE SCHEDULE.

BRAKE HOSE INSPECTION

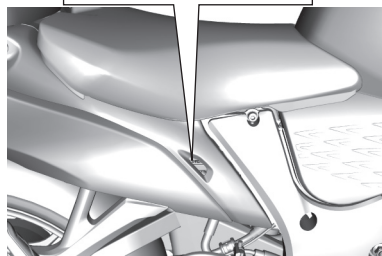
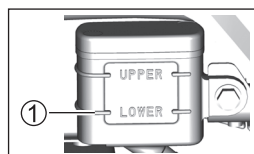
Inspect the brake hoses and hose joints for cracks, damage, or brake fluid leakage. If any issues are found, ask your Suzuki dealer to replace the brake hose with a new one.

BRAKE FLUID

Check the brake fluid level in both the front and rear brake fluid reservoirs. If the level in either reservoir is below the lower mark ①, inspect for brake pad wear and leaks.



FRONT



REAR

WARNING

Brake fluid will gradually absorb moisture through the brake hoses. Brake fluid with high water content lowers the boiling point and can cause brake system (including ABS) malfunction due to corrosion of brake components. Boiling brake fluid or brake system (including ABS) malfunction could result in a crash.

Replace the brake fluid every two years to maintain braking performance.

WARNING

A marked decrease in brake fluid may indicate leaks in the brake system. If there is insufficient brake fluid the brakes may not function fully, which may result in a crash.

Have your motorcycle inspected by a Suzuki dealer.

WARNING

The use of any fluid except DOT4 brake fluid from a sealed container can damage the brake system and lead to a crash.

Clean filler cap before removing. Use only DOT4 brake fluid from a sealed container. Never use or mix with different types of brake fluid.

WARNING

If dirt enters the reservoir tank it may cause the brake system to malfunction.

When adding brake fluid, clean around the filler cap before you open it.

WARNING

Brake fluid is harmful or fatal if swallowed, and harmful if it comes in contact with skin or eyes. The solution can be poisonous to animals.

If brake fluid is swallowed, do not induce vomiting. Immediately contact a poison control center or a physician. If brake fluid gets in the eyes, flush them with water and seek medical attention. Wash thoroughly after handling. Keep out of the reach of children and animals.

NOTICE

Spilled brake fluid can damage painted surfaces and plastic parts.

Be careful not to spill any fluid when filling the brake fluid reservoir. Wipe spilled fluid up immediately.

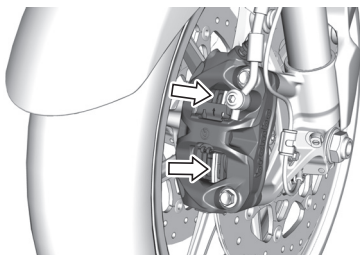
BRAKE PADS

Inspect the front and rear brake pads to see if they are worn down to the grooved wear limit line ①. If a front or rear pad is worn to the grooved wear limit line, both front or both rear pads must be replaced with new ones.

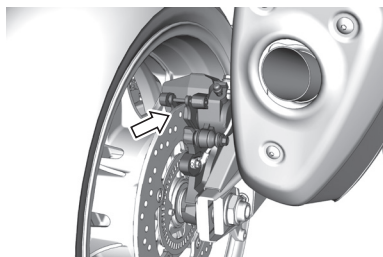
After replacing either the front or rear brake pads, the brake lever or pedal must be pumped several times. This will extend the pads to their proper position.

New brake pads work with different strength when applied, so ride carefully.

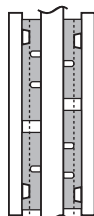
NOTE: Do not squeeze/depress the brake lever/pedal when the pads are not in their positions. It is difficult to push the pistons back and brake fluid leakage may result.



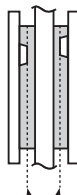
FRONT



REAR



FRONT



REAR

⚠ WARNING

Failure to inspect and maintain the brake pads and replace them when recommended can increase your chance of having a crash.

If you need to replace brake pads, have your Suzuki dealer do this work. Inspect and maintain the brake pads as recommended.

⚠ WARNING

Replacing only one of the two brake pads can result in uneven braking action and can increase your chance of having a crash.

Always replace both pads together.

⚠ WARNING

If you ride this motorcycle after brake system repair or brake pad replacement without pumping the brake lever/pedal, you may get poor braking performance, which could result in a crash.

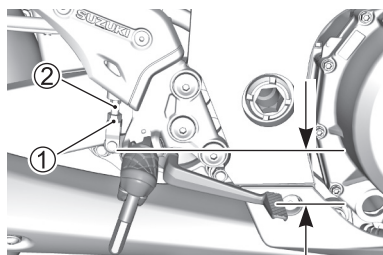
After brake system repair or brake pad replacement, pump the brake lever/pedal several times until brake pads are pressed against the brake disks and proper lever/pedal stroke and firm feel are restored.

REAR BRAKE PEDAL ADJUSTMENT

The rear brake pedal position must be properly adjusted at all times or the disk brake pads will rub against the disk causing damage to the pads and to the disk surface.

Adjust the brake pedal position in the following manner:

1. Loosen the lock nut ①, and turn the push rod ② to locate the pedal 50 – 60 mm (2.0 – 2.4 in) below the top face of the footrest.



50 – 60 mm (2.0 – 2.4 in)

2. Retighten the lock nut ① to secure the push rod ② in the proper position.

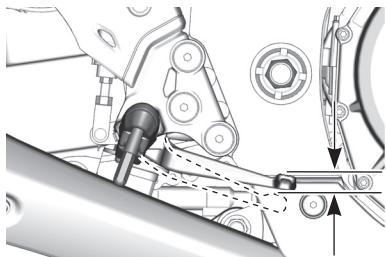
NOTICE

An incorrectly adjusted brake pedal may force brake pads to continuously rub against the disk, causing damage to the pads and disk.

Follow the steps in this section to adjust the brake pedal properly.

REAR BRAKE LIGHT SWITCH

Check that the brake light lights when the rear brake pedal is depressed approximately 10 mm (0.4 in). Adjust the rear brake light switch if the light lights too early or late.



10 mm (0.4 in)

For the brake light switch adjustment procedure, consult with your Suzuki dealer or a qualified mechanic.

GEARSHIFT LEVER

DESCRIPTION

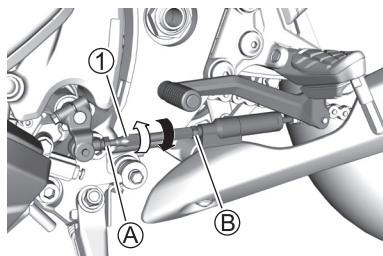
If it is difficult to change gears when riding, the gearshift lever height may not be right for your body. We recommend adjusting the height to suit your body.

GEARSHIFT LEVER ADJUSTMENT

The height of the gearshift lever can be adjusted using the following procedure.

1. Rotate lock nut A (↑) and B (↓) to loosen them, and rotate the rod ①.

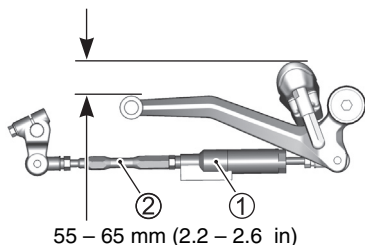
NOTE: To loosen the locknut, fix the rod ① with a tool and then loosen it.



2. Rotate the rod forward (↓) to raise the pedal position, and in the opposite direction (↑) to lower it.

3. Locate the gearshift lever 55 – 65 mm (2.2 – 2.6 in) below the top face of the footrest.

NOTE: If you rotate the gear shift sensor ①, functions such as Quick Shift may not function properly. Use the rod ② to adjust the shift pedal height. Do not turn the gear shift sensor ①.



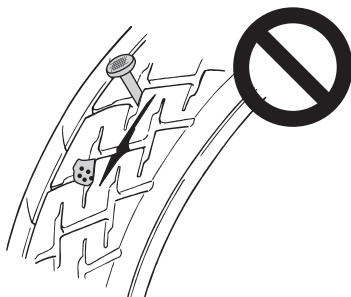
4. After adjusting, rotate lock nut A (↓) and B (↑) in the opposite direction of step 1 to tighten them.

NOTE: After adjusting, tighten the lock nuts firmly.

TIRES

DESCRIPTION

Check that there are no cracks or damage in the contact surface or sides of the tires. Additionally, check that there are no nails, stones, or other foreign bodies piercing or embedded in the tires.



Also, check that there is no unusual wear on the contact surface of the tires. Consult a Suzuki dealer regarding any unusual wear.



When changing tires, be sure to use the designated tires below.

	FRONT	REAR
SIZE	120/70ZR17M/C (58W)	190/50ZR17M/C (73W)
TYPE	BRIDGESTONE S22F L	BRIDGESTONE S22R L

WARNING

Using non-designated tires may negatively affect the safe operation of your motorcycle.

Be sure to use the designated tires.

WARNING

An improperly repaired, installed, or balanced tire can cause loss of control and a crash, or can wear out sooner.

- Ask your Suzuki dealer or a qualified mechanic to perform tire repair, replacement, and balancing because proper tools and experience are required.
- Install tires according to the rotation direction shown by arrows on the sidewall of each tire.

WARNING

The tires on your motorcycle form the crucial link between your motorcycle and the road. Failure to take the precautions below may result in a crash due to tire failure.

- Check tire condition and pressure before each ride, and adjust pressure if necessary.
- Avoid overloading your motorcycle.
- Replace a tire when worn to the specified limit, or if you find damage such as cuts or cracks.
- Always use the size and type of tires specified in this owner's manual.
- Balance the wheel after tire installation.
- Read this section of the owner's manual carefully.

WARNING

Failure to perform break-in of the tires could cause tire slip and loss of control, which could result in a crash.

Use extra care when riding on new tires. Perform proper break-in of the tires referring to the BREAK-IN section of this manual and avoid hard acceleration, hard cornering, and hard braking for the first 100 miles (160 km).

NOTE: As new tires slip easily, do not lean the motorcycle too far. Keep the angle of lean gentle while breaking in the tires.

TIRE PRESSURE AND LOADING

For safe riding, read the owner's manual for information on tire pressures and selecting tires to use.

Tires heat up when the motorcycle is traveling, increasing the air pressure. Accordingly, use the tire gauge when the tires are cool, before riding, and check to see if the tires are at the specified pressure. Adjust to the appropriate pressure if the value is outside the specified range. Overloading your tires can lead to tire failure and loss of vehicle control.



Check tire pressure each day before you ride, and be sure the pressure is correct for the vehicle load according to the chart below.

Cold tire inflation pressure

LOAD \ TIRE	SOLO RIDING	DUAL RIDING
FRONT	290 kPa 2.90 kgf/cm ² 42 psi	290 kPa 2.90 kgf/cm ² 42 psi
REAR	290 kPa 2.90 kgf/cm ² 42 psi	290 kPa 2.90 kgf/cm ² 42 psi

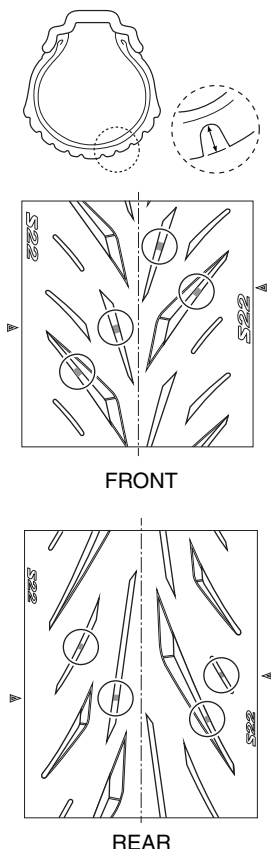
Under-inflated tires make smooth cornering difficult, and can result in rapid tire wear. Over-inflated tires cause a smaller amount of tire to be in contact with the road, which can contribute to skidding and loss of control.

NOTE: When you detect drops in tire pressure, check the tire for nails or other punctures, or a damaged wheel rim. Tubeless tires sometimes lose pressure gradually when punctured.

TIRE CONDITION AND TYPE

Tire condition and tire type affect motorcycle performance. Cuts or cracks in the tires can lead to tire failure and loss of motorcycle control. Worn tires are susceptible to puncture failures and subsequent loss of motorcycle control. Tire wear also affects the tire profile, changing motorcycle handling characteristics.

Check the condition of your tires each day before you ride. Replace tires if tires show visual evidence of damage, such as cracks or cuts, or if tread depth is less than 1.6 mm (0.06 in) front, 2.0 mm (0.08 in) rear. The “ Δ ” mark indicates the place where the wear bars are molded into the tire. When the wear bars contact the road, it indicates that the tire wear limit has been reached.



⚠ WARNING

Failure to follow the instructions below for tubeless tires may result in a crash due to tire failure. Tubeless tires require different service procedures than tube tires.

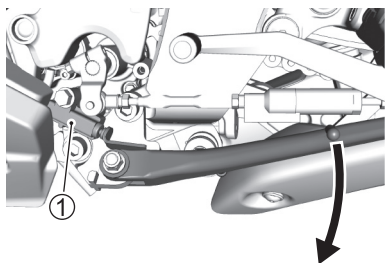
- Tubeless tires require an air-tight seal between the tire bead and wheel rim. Special tire irons and rim protectors or a specialized tire mounting machine must be used for removing and installing tires to prevent tire or rim damage which could result in an air leak.
- Repair punctures in tubeless tires by removing the tire and applying an internal patch.
- Do not use an external repair plug to repair a puncture since the plug may work loose as a result of the cornering forces experienced by a motorcycle tire.
- After repairing a tire, do not exceed 80 km/h (50 mph) for the first 24 hours, and do not exceed 130 km/h (80 mph) thereafter. This is to avoid excessive heat build-up which could result in a tire repair failure and tire deflation.
- Replace the tire if it is punctured in the sidewall area, or if a puncture in the tread area is larger than 6 mm (3/16 in). These punctures cannot be repaired adequately.

SIDE STAND/IGNITION INTERLOCK SYSTEM

INSPECTION

Check the side stand/ignition interlock system for proper operation as follows:

1. Sit on the motorcycle in the normal riding position, with the side stand up.
2. Shift into first gear, hold the clutch in, and start the engine.
3. While continuing to hold the clutch in, move the side stand to the down position.



①: Side stand/ignition interlock switch

If the engine stops running when the side stand is moved to the down position, then the side stand/ignition interlock system is working properly. If the engine continues to run with the side stand down and the transmission in gear, then the side stand/ignition interlock system is not working properly. Have your motorcycle inspected by an authorized Suzuki dealer or a qualified service mechanic.

WARNING

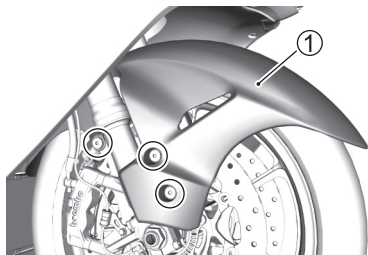
If the side stand/ignition interlock system is not working properly, it is possible to ride the motorcycle with the side stand in the down position. This may interfere with rider control during a left turn and could cause a crash.

Check the side stand/ignition interlock system for proper operation before riding. Check that the side stand is returned to its full up position before starting off.

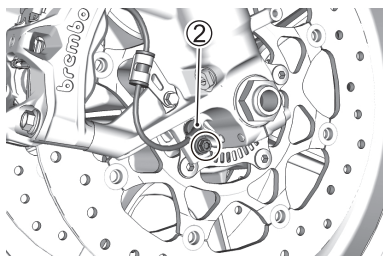
FRONT WHEEL

REMOVING

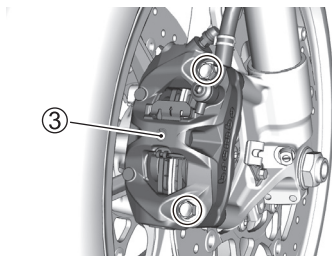
1. Place the motorcycle on the level ground.
2. Remove the front fender ① by removing the mounting bolt.



3. Remove the front wheel speed sensor by removing the mounting bolt ②.

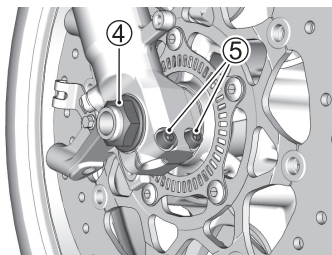


4. Remove both brake calipers ③ from the front forks by removing the mounting bolts on each of the calipers.

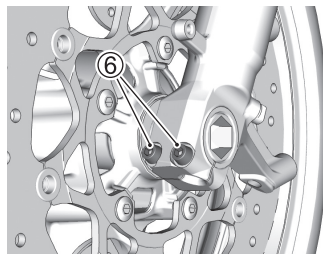


NOTE: *Never squeeze the brake lever with the caliper removed. It is very difficult to force the pads back into the caliper assembly and brake fluid leakage may result.*

5. Remove the axle nut ④.
6. Loosen the axle holder bolts ⑤.

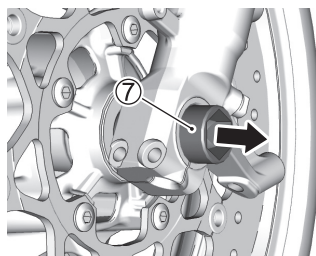


7. Loosen the axle holder bolts ⑥.

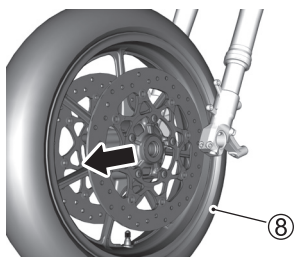


8. Use the accessory service stand or something similar to slightly lift up the front wheels from the ground.

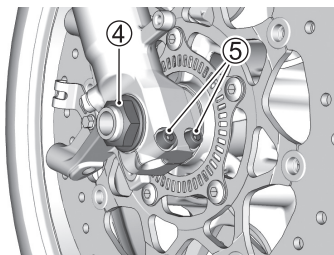
9. Draw out the axle shaft ⑦.



10. Slide the front wheel forward ⑧.

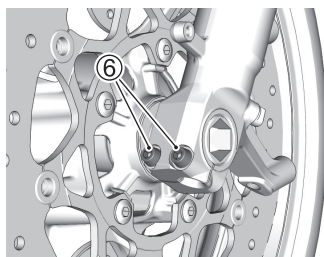


11. Put the new wheel in place and insert the axle shaft.
12. Remove the jack and service stand.
13. Hold the shaft and tighten the axle nut ④ to the specified torque.
14. Tighten the axle holder bolts ⑤ to the specified torque.



15. Move the steering up and down several times to seat the axle shaft.

16. Tighten the axle holder bolts ⑥ to the specified torque.



17. Reinstall the brake calipers and speed sensor.
18. After installing the wheel, apply the brake several times to restore the proper lever stroke.

Front axle nut tightening torque:
100 N·m (10.0 kgf-m, 72.5 lbf-ft)

Front axle holder bolt tightening torque:
23 N·m (2.3 kgf-m, 16.5 lbf-ft)

Front brake caliper mounting bolt tightening torque:
39 N·m (3.9 kgf-m, 28.0 lbf-ft)

Front wheel speed sensor mounting bolt tightening torque:
10 N·m (1.0 kgf-m, 7.0 lbf-ft)

⚠ WARNING

Failure to extend brake pads after installing the wheel can cause poor braking performance and may result in a crash.

Before riding, “pump” the brake lever repeatedly until brake pads are pressed against the brake disks and proper lever stroke and firm feel are restored. Also check that the wheel rotates freely.

⚠ WARNING

If the bolts and nuts are not properly tightened, the wheel can come off, causing a crash.

Be sure to tighten the bolts and nuts to the specified torque. If you do not have a torque wrench or do not know how to use one, ask your authorized Suzuki dealer to check the bolts and nuts.

⚠ WARNING

Installing the front wheel in the reverse direction can be hazardous. The tire for this motorcycle is directional. Therefore, the motorcycle may have unusual handling if the wheel is installed incorrectly.

Install the front wheel so that the tire rotates in the specified direction, as indicated by the arrow on the sidewall of the tire.

REAR WHEEL

REMOVING

⚠ CAUTION

A hot muffler can burn you.

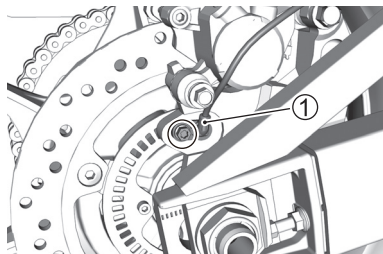
Wait until the exhaust pipe or muffler cools before removing the axle nut.

NOTICE

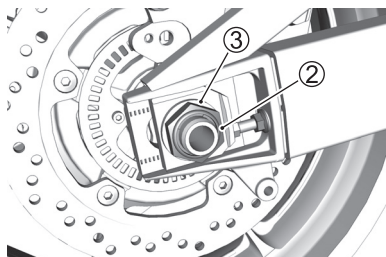
Removing the rear wheel without use of an accessory stand can result in your motorcycle falling over and being damaged.

Do not attempt roadside removal of the rear wheel. Only remove the rear wheel at a properly equipped servicing facility using an accessory service stand.

1. Place the motorcycle on level ground.
2. Remove the rear wheel speed sensor by removing the mounting bolt ①.

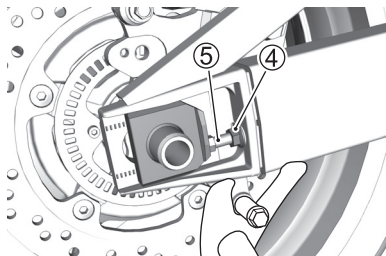


3. Remove the axle nut ② and washer ③.

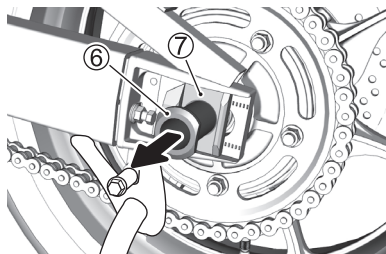


4. Place an accessory service stand under the swingarm to lift the rear wheel slightly off the ground.

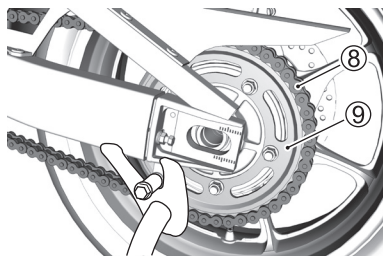
5. Loosen the right and left lock nuts ④. Turn the right and left chain adjuster bolts ⑤ clockwise.



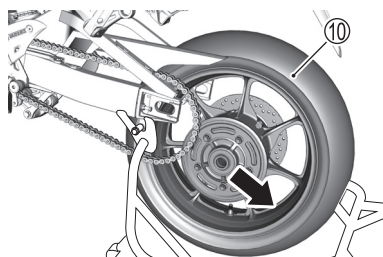
6. Draw out the axle shaft ⑥ and remove the chain adjuster ⑦.



7. With the wheel moved forward, remove the chain ⑧ from the sprocket ⑨.



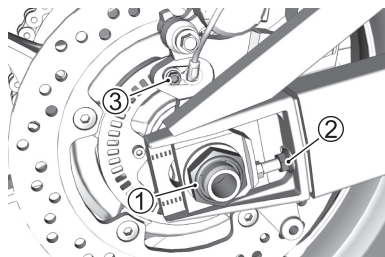
8. Pull the rear wheel assembly ⑩ rearward.



NOTE: Never depress the rear brake pedal with the rear wheel removed. It is very difficult to force the pads back into the caliper assembly.

9. To replace the wheel, reverse the complete sequence listed.
10. Adjust the drive chain slack.

11. After installing the wheel, apply the brake several times and then check that the wheel rotates freely.



Rear axle nut tightening torque

①:
100 N·m (10.0 kgf-m, 72.5 lbf-ft)

Chain adjuster lock nut tightening torque

②:
22 N·m (2.2 kgf-m, 16.0 lbf-ft)

Rear wheel speed sensor mounting bolt tightening torque

③:
10 N·m (1.0 kgf-m, 7.0 lbf-ft)

⚠ WARNING

Failure to adjust the drive chain and failure to torque bolts and nuts properly could lead to a crash.

- After installing the rear wheel, adjust the drive chain as described in the **DRIVE CHAIN ADJUSTMENT** section (➡ 3-34).
- Torque bolts and nuts to the proper specifications. If you are not sure of the proper procedure, have your authorized Suzuki dealer or a qualified mechanic do this.

⚠ WARNING

Failure to extend brake pads after installing the wheel can cause poor braking performance and may result in a crash.

Before riding, “pump” the brake pedal repeatedly until brake pads are pressed against the brake disks and proper pedal stroke and firm feel are restored. Also check that the wheel rotates freely.

LIGHT BULB

REPLACEMENT

The wattage rating of each bulb is shown in the following chart. When replacing a burned-out bulb, always use the same wattage rating according to the following chart.

Headlight	LED
Front turn signal light	LED
Rear turn signal light	LED
Brake light/Taillight	LED
License plate light	LED

NOTE: This motorcycle is equipped with LED lighting. Because LED lights have been integrated into light assemblies, replacement of only the LED lights is not available. If any of the LED lights cannot be turned on, consult with your Suzuki dealer.

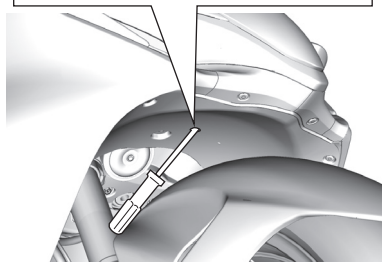
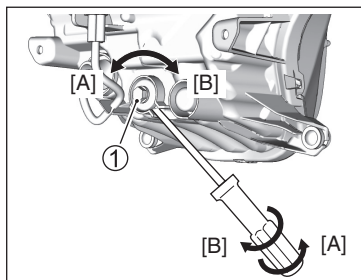
HEADLIGHT BEAM

DESCRIPTION

The headlight beam can be adjusted up and down if necessary.

TO ADJUST THE BEAM UP AND DOWN

Turn the headlight beam adjuster ① clockwise or counterclockwise.



[A]: UP
[B]: DOWN

FUSES

DESCRIPTION

If something electrical on your motorcycle stops working, the first thing you should check for is a blown fuse. The electrical circuits on the motorcycle are protected from overload by fuses in the circuits.

WARNING

Replacing a fuse with a fuse that has an incorrect amperage rating or substitute, e.g. aluminum foil or wire, may cause serious damage to the electrical system and possibly fire. Always replace a blown fuse with a fuse of the same amperage rating.

If the new fuse blows in a short time, the electrical problem may not be fixed. Have your motorcycle inspected immediately by your Suzuki dealer.

NOTICE

Installing electrical items such as lights, gauges, etc., that are not suitable for the motorcycle may cause fuses to blow or may run down the battery.

Use genuine Suzuki parts when attaching electrical items.

NOTICE

Spraying water or wiping forcefully around fuses when washing the motorcycle may cause water to enter the wiring, causing corrosion or short circuiting.

Do not spray water or wipe forcefully in the area around fuses.

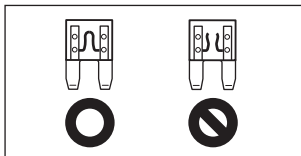
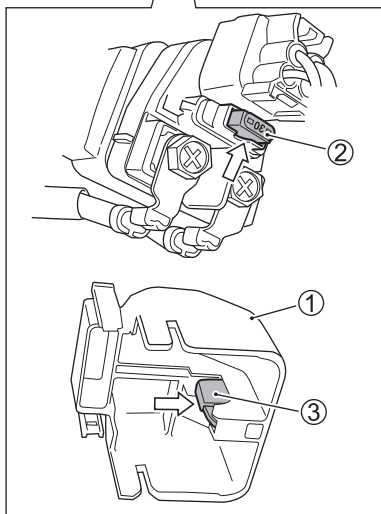
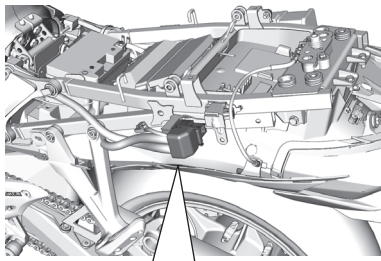
MAIN FUSE

The main fuse is located on the left side of the rear seat.

To access the main fuse, remove the frame cover referring to the frame cover section.

Inspect the main fuses using the following procedure.

1. Set the ignition switch to OFF.
2. Remove the frame cover. See "FRAME COVER REMOVING" on page 3-10.
3. Remove the starter relay box cover ①, pull out the fuse ②, and inspect it.
4. If a fuse is blown, check the reason, and when you have remedied it, replace with a spare fuse ③ of the specified amperage. If you are unable to ascertain the reason, have your motorcycle inspected by a Suzuki dealer.



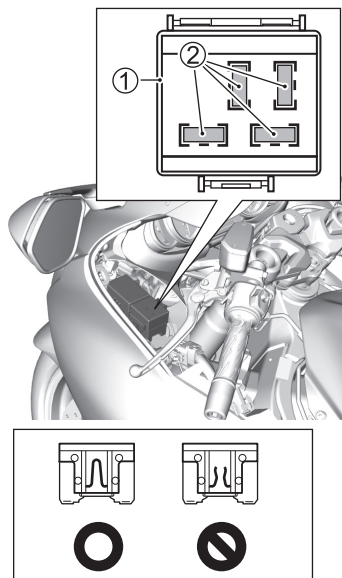
FUSES

The fuses are located under the left meter front panel.

To access the fuses, remove the left meter front panel referring to the side cowling removing section.

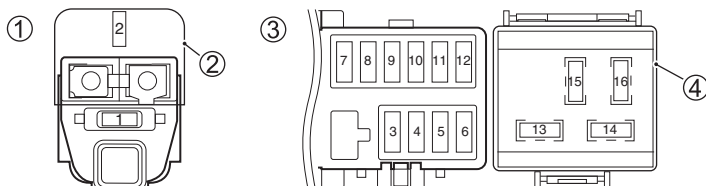
Inspect fuses using the following procedure.

1. Set the ignition switch to OFF.
2. Remove the left meter front panel. See "SIDE COWLING REMOVING" on page 3-9.
3. Remove the fuse box cover ①, pull out the fuses, and inspect them.
4. If a fuse is blown, check the reason, and when you have remedied it, replace with a spare fuse ② of the specified amperage. If you are unable to ascertain the reason that the fuse has blown, have your motorcycle inspected by a Suzuki dealer.



LIST

The following chart shows the main equipment that each fuse protects.

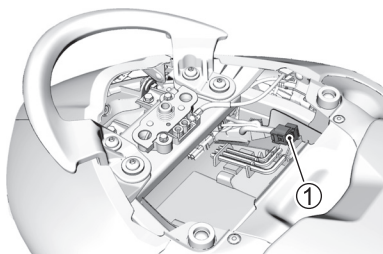


①: starter relay box ②: starter relay box cover ③: fuse box ④: fuse box cover

Position	Label	Capacity	Protection parts
1	MAIN	30A	All electric circuits
2	SPARE	30A	
3	HEAD-LO	7.5A	Head light (low-beam)
4	HEAD-HI	7.5A	Head light (high-beam)
5	FAN-L	15A	Cooling fan motor (left)
6	FUEL	10A	<ul style="list-style-type: none"> • Speedometer • Fuel pump • ECM
7	FAN-R	15A	Cooling fan motor (right)
8	IGNITION	10A	<ul style="list-style-type: none"> • Ignition coil • Starter relay • Cooling fan relay • Fuel pump relay • Solenoid • ECM • Inertial sensor • Oxygen sensor • Immobilizer (if equipped) • ABS
9	SIGNAL	10A	<ul style="list-style-type: none"> • Brake light/Taillight • License plate light • Turn signal light • Speedometer • Horn
10	PARK	10A	<ul style="list-style-type: none"> • Taillight • License plate light
11	ABS-MOTOR	30A	
12	ABS-VALVE	15A	
13	SPARE	10A	
14	SPARE	7.5A	
15	SPARE	30A	
16	SPARE	15A	

DIAGNOSTIC CONNECTOR

The diagnostic connector ① is located under the seat.



NOTE: The diagnostic connector is used by a Suzuki dealer or a qualified service mechanic.





TROUBLESHOOTING

DESCRIPTION	4-2
ENGINE DOES NOT START	4-2
IN CASE OF OVERHEATING	
(ENGINE COOLANT TEMPERATURE INDICATOR LIGHT COME ON)	4-3
WHEN THE OIL PRESSURE INDICATOR IS DISPLAYED WHILE RIDING	
(OIL PRESSURE INDICATOR LIGHT COME ON)	4-4
INDICATOR DISPLAYS	4-5
MOTORCYCLE CONDITION	4-5

TROUBLESHOOTING

DESCRIPTION

This troubleshooting guide is provided to help you find the cause of some common complaints.

Consult your Suzuki dealer if your motorcycle is experiencing any issues or you notice something seems wrong.

NOTICE

Making unsuitable repairs or adjustments may damage your motorcycle. In some cases damage may not be covered by the warranty.

Consult a Suzuki dealer if anything is unclear.

ENGINE DOES NOT START

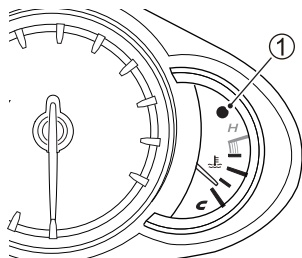
Perform the following checks.

- Make sure you are using the correct starting procedure.
See "STARTING PROCEDURE" on page 2-76.
- Make sure the fuel tank has fuel.
See "REFUELING PROCEDURE" on page 2-80.
- Check if the malfunction indicator light comes on.
See "MALFUNCTION INDICATOR LIGHT" on page 2-15.
- Check if the immobilizer indicator light comes on.
See "IMMOBILIZER" on page 2-72.
- Check for loose battery terminals.
See "BATTERY" on page 3-14.
- Are any fuses blown?
See "FUSES" on page 3-53.

Consult your Suzuki dealer if you notice any failures/issues.

IN CASE OF OVERHEATING (ENGINE COOLANT TEMPERATURE INDICATOR LIGHT COME ON)

If the engine coolant temperature indicator light ① come on, stop the motorcycle in a safe place, perform the following checks, and take any necessary action.



1. Turn the ignition switch to the "OFF" position to stop the engine.
2. Turn the ignition switch to the "ON" position to start the radiator fan and cool the engine.
If the radiator fan does not operate, do not start the engine. Consult your Suzuki dealer.

3. Once the engine has sufficiently cooled, check the coolant level and check hoses and such for leaks.
 - a. If you find any leaks, do not start the engine. Consult your Suzuki dealer.
 - b. Replenish the coolant if the coolant level is low and there are no leaks. If you have to use water instead of coolant, consult your Suzuki dealer as soon as possible to have the coolant checked and replaced.
4. If no issues are found, the motorcycle can be ridden once the engine coolant temperature indicator light go off. Consult your Suzuki dealer for inspection as soon as possible.

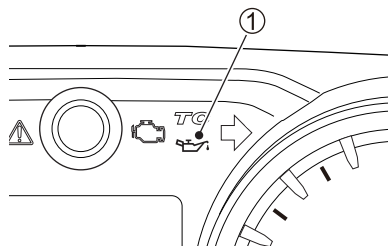
NOTICE

Riding while the motorcycle is overheating can cause serious damage to the engine.

Do not ride the motorcycle if the engine coolant temperature indicator light come on.

WHEN THE OIL PRESSURE INDICATOR IS DISPLAYED WHILE RIDING (OIL PRESSURE INDICATOR LIGHT COME ON)

If the oil pressure indicator light ① come on, stop the motorcycle in a safe place, perform the following checks, and take any necessary action.



1. Turn the ignition switch to the "OFF" position to stop the engine.
2. Check the engine oil level. See "CHECKING THE ENGINE OIL LEVEL" on page 3-21. Replenish engine oil if the level is insufficient.

3. Start the engine.
 - a. You can ride the motorcycle once the oil pressure indicator light go off.
 - b. If the oil pressure indicator light do not go off, stop the engine and consult your Suzuki dealer.
4. The engine may be damaged if the oil level has decreased. Consult your Suzuki dealer for inspection.

NOTICE

Riding with low engine oil pressure may cause serious damage to the engine.

Do not ride the motorcycle if the oil pressure indicator light come on.

INDICATOR DISPLAYS

Consult a Suzuki dealer if the state of the indicator displays is as follows.

- The malfunction indicator light (on page 2-15) comes on or blinks
- The FI warning displays appear (on page 2-19)
- The check displays (on page 2-19) do not go out
- The ABS indicator light (on page 2-12) does not reset or come on again after resetting to its default state
- The neutral indicator light does not come on when the gear position indicator is in the N position (on page 2-17)
- The neutral indicator light comes on while the gear position indicator is displaying 1, 2, 3, 4, 5, or 6
- The TC indicator (on page 2-16) comes on
- The service reminder indicator (on page 2-28) comes on
- The engine coolant temperature indicator light is flashing or lit and does not turn off when the engine is cold (on page 2-17)
- The oil pressure indicator light comes on when the amount of engine oil is appropriate

MOTORCYCLE CONDITION

Consult a Suzuki dealer if the state of the motorcycle is as follows.

- The engine does not start
- You fall
- The motorcycle makes an unusual sound, or leaks fluid
- Engine performance drops off or is poor
- There is a marked decrease in brake fluid, or you need to replace the brake fluid or pads
- Brake performance is poor
- There is a marked decrease in coolant, or you need to replace the coolant
- You cannot ascertain why a fuse has blown
- The tires are extremely worn or you need to replace them



STORAGE PROCEDURE AND MOTORCYCLE CLEANING

STORAGE PROCEDURE	5-2
PROCEDURE FOR RETURNING TO SERVICE	5-3
CORROSION PREVENTION	5-4
MOTORCYCLE CLEANING	5-5
INSPECTION AFTER CLEANING	5-8

STORAGE PROCEDURE AND MOTORCYCLE CLEANING

STORAGE PROCEDURE

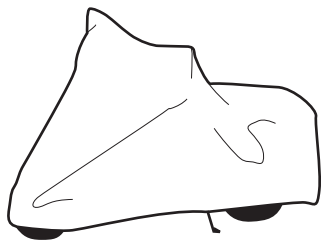
DESCRIPTION

When you do not intend to ride the motorcycle for a long time, it is important to perform maintenance before storage. Perform the maintenance shown below.

NOTE: Suzuki recommends that you trust this maintenance work to your Suzuki dealer.

MOTORCYCLE

Place the motorcycle on the side stand on a firm, flat surface where it will not fall over. For motorcycles equipped with a center stand, use the center stand for parking. Wash the motorcycle before storing, dry it, and then cover it with a body cover.



NOTE: Apply the body cover after the engine and muffler have cooled.

FUEL

1. Fill the fuel tank to the top with fuel mixed with the amount of gasoline stabilizer recommended by the stabilizer manufacturer.
2. Run the engine for a few minutes until the stabilized gasoline fills the fuel injection system.

ENGINE

1. Drain the engine oil completely and refill the crankcase with fresh engine oil all the way up to the filler hole.
2. Cover the air cleaner intake and the exhaust pipe or muffler outlet with oily rags to prevent humidity from entering.

NOTE: For the inside engine protection method, consult with your Suzuki dealer.

BATTERY

1. Remove the battery from the motorcycle by referring to the BATTERY section.
2. Clean the outside of the battery with a mild soap and remove corrosion from the terminals and wiring harness.
3. Store the battery in a room above freezing.

NOTE: Batteries lose electricity and self-discharge slowly, so remove the battery from the motorcycle, charge fully, and then store in a dark place in a room with good ventilation. When storing with the battery mounted on the motorcycle, disconnect the (-) terminal.

TIRES

Adjust tire pressure to the recommended pressure, and raise so that the front and rear wheels are off the ground.

NOTE: Consult a Suzuki dealer for information on how to raise the front and rear wheels off the ground.

EXTERNAL

- Spray all vinyl and rubber parts with rubber protectant.
- Spray unpainted surfaces with rust preventative.
- Coat painted surfaces with car wax.

MAINTENANCE DURING STORAGE

Once a month, recharge the battery. Refer to the BATTERY section for instructions. If you cannot charge the battery, consult your authorized Suzuki dealer.

PROCEDURE FOR RETURNING TO SERVICE

HOW TO RETURN TO SERVICE

1. Clean the entire motorcycle.
2. Remove the oily rags from the air cleaner intake and muffler outlet.
3. Drain all the engine oil. Install a new oil filter and fill the engine with fresh oil as outlined in this manual.
4. Reinstall the battery by referring to the BATTERY section.
5. Make sure that the motorcycle is properly lubricated.
6. Perform the INSPECTION BEFORE RIDING as listed in this manual.
7. Start the motorcycle as outlined in this manual.

CORROSION PREVENTION

IMPORTANT INFORMATION ABOUT CORROSION

Perform maintenance to prevent the motorcycle from rusting and extend its life.

The following can cause corrosion.

- Sea air, unpaved roads, road salt, moisture and accumulation of chemical substances.
- Damage to metal parts or painted surfaces caused by minor crashes, or by being struck by sand or stones, or other debris.

HOW TO HELP PREVENT CORROSION

- Wash your motorcycle frequently, at least once a month. Keep your motorcycle as clean and dry as possible.
- Remove foreign material deposits. Foreign material such as road salt, chemicals, road oil or tar, tree sap, bird droppings and industrial fall-out may damage your motorcycle's finish. Remove these types of deposits as quickly as possible. If these deposits are difficult to wash off, an additional cleaner may be required. Follow the manufacturer's directions when using these special cleaners.
- Repair finish damage as soon as possible. Carefully examine your motorcycle for damage to the painted surfaces. Should you find any chips or scratches in the paint, touch them up immediately to prevent corrosion from starting. If the chips or scratches have gone through to the bare metal, have a Suzuki dealer make the repair.

- Store your motorcycle in a dry, well-ventilated area. If you often wash your motorcycle in the garage or if you frequently park it inside when wet, your garage may be damp. The high humidity may cause or accelerate corrosion. A wet motorcycle may corrode even in a heated garage if the ventilation is poor.
- Cover your motorcycle. Exposure to midday sun can cause the colors in paint, plastic parts, and instrument faces to fade. Covering your motorcycle with a high-quality, "breathable" motorcycle cover can help protect the finish from the harmful UV rays in sunlight, and can reduce the amount of dust and air pollution reaching the surface. Your Suzuki dealer can help you select the right cover for your motorcycle.

NOTE:

- *Wax all areas of the motorcycle before storage. This prevents rusting.*
- *Clean the motorcycle with cool water immediately after riding on road salt or riding along the coast. Be sure to use cool water because warm water can accelerate corrosion.*

MOTORCYCLE CLEANING

WASHING THE MOTORCYCLE

Washing the motorcycle helps to extend its life and keeps it in pristine condition. Waxing will also provide you with the opportunity to find any abnormalities and to prevent malfunctions. Wash the motorcycle when it is cold.

1. Remove dirt and mud from the motorcycle with cool running water. You may use a soft sponge or brush. Do not use hard materials which can scratch the paint.
2. Wash the entire motorcycle with a mild detergent or car wash soap using a sponge or soft cloth. The sponge or cloth should be frequently soaked in the soap solution.
3. Once the dirt has been completely removed, rinse off the detergent with running water.
4. After rinsing, wipe off the motorcycle with a wet chamois or cloth and allow it to dry in the shade.
5. Check carefully for damage to painted surfaces. If there is any damage, obtain "touch-up" paint and "touch-up" the damage following the procedure below:
 - a. Clean all damaged spots and allow them to dry.
 - b. Stir the paint and "touch-up" the damaged spots lightly with a small brush.
 - c. Allow the paint to dry completely.

WARNING

Misplacing an object between the fairing and the handlebars could adversely affect operation of the handlebars.

When cleaning the motorcycle, do not place anything between the fairing and the handlebars.

NOTE: The headlight lens can be fogged after washing the motorcycle or riding in the rain. Headlight fogging will be cleared gradually when the headlight is turned on. When clearing the headlight lens fogging, run the engine to avoid battery discharge.

NOTE: Avoid spraying or allowing water to flow over the following places:

- Ignition switch
- Spark plugs
- Fuel tank cap
- Fuel injection system
- Brake master cylinders
- Clutch master cylinder

NOTICE

If water gets into the exhaust pipe, muffler, air cleaner, or electrical parts during cleaning, it may cause failure to start or rust.

Be careful not to get water into the above parts during cleaning.

NOTICE

Applying high pressure water to the radiator can damage the cooling fins.

Be careful when washing around the radiator.

NOTICE

High pressure washers such as those found at coin-operated car washes have enough pressure to damage the parts of your motorcycle. It may cause rust, corrosion, and increased wear. Parts cleaner can also damage motorcycle parts.

Do not use high pressure washers to clean your motorcycle. Do not use parts cleaner on the throttle body and fuel injection sensors.

NOTICE

Cleaning your motorcycle with any alkaline or strong acid cleaner, gasoline, brake fluid, or any other solvent will damage the motorcycle parts.

Clean only with a soft cloth and warm water with mild detergent.

WHEELS

Aluminum wheels do not hold up well to dirt from salt. To preserve aluminum wheels in pristine condition, clean them regularly (approximately once per week).

1. Soak a sponge in neutral detergent and wash off any dirt.
2. Wash with sufficient water, then wipe off the water with a dry cloth.

NOTE: Aluminum wheels scratch easily, so do not rub or brush with polishing powder, hard brushes, or metal brushes.

PLASTIC PARTS

Plastic parts such as the headlight lens, speedometer display, windshield, and fairings, are easy to damage. When such parts are cleaned, wash them using water, after cleaning them using neutral detergent or soapy water, and wipe them with a soft cloth.

NOTICE

Foreign substances can scratch or damage plastic parts such as the headlight lens, speedometer display, and windshield.

Do not allow the following substances to get on the plastic parts mentioned above;

- Wax compound
- Chemical supplies such as oil film removing agents or repellents
- Acidic or alkaline detergent
- Brake fluid, gasoline, or organic solvent, etc.

EXHAUST PIPES

Stainless steel exhaust pipes may be subject to burn marks caused by oil and other dirt.

- Using kitchen cleaner for stainless steel, wipe dirt off with a cloth or sponge, rinse with sufficient water, and then wipe dry with a dry cloth.
- When burn marks occur, scrub with a fine compound and then wipe off the dirt.

NOTE: Although exhaust heat may cause the exhaust pipe to change color, this will not cause functional problems.

NOTICE

The exhaust pipe or muffler and the engine become hot when the engine is running and stay hot after it has stopped. Touching them at this time may cause burns.

Do not touch the exhaust pipe or muffler or engine until they have cooled.

WAXING THE MOTORCYCLE

After washing the motorcycle, waxing and polishing are recommended to further protect and beautify the paint.

- Only use good quality waxes and polishes.
- When using waxes and polishes, observe the precautions specified by the manufacturers.

SPECIAL CARE FOR MATTE FINISH PAINT

Do not use polishing compounds or waxes that contain polishing compounds on surfaces which have a matte finish. Doing so will change the appearance of the matte finish.

Solid-type waxes may be difficult to remove from surfaces with a matte finish.

Friction while riding and excessive rubbing or polishing of a surface with a matte finish, will change its appearance.

INSPECTION AFTER CLEANING

DESCRIPTION

After drying the motorcycle, apply grease. To help extend your motorcycle's life, lubricate it according to the "LUBRICATION POINTS" section.

Follow the procedures in the "INSPECTION BEFORE RIDING" section to check your motorcycle for any issues that may have arisen during your last ride.

WARNING

Operating the motorcycle with wet brakes can be hazardous. Wet brakes may not provide as much stopping power as dry brakes. This could lead to a crash.

Test your brakes after washing the motorcycle, while riding at slow speed, and in a safe location. If necessary, apply the brakes several times to let friction dry out the linings.



CONSUMER INFORMATION

CATALYTIC CONVERTER	6-2
ON-BOARD MOTORCYCLE COMPUTER DATA INFORMATION	6-3
SERIAL NUMBER LOCATION	6-4

CONSUMER INFORMATION

CATALYTIC CONVERTER

DESCRIPTION

The muffler on this motorcycle contains a catalytic converter. This catalytic converter works to reduce the volume of toxic substances output in exhaust gases.

Inappropriate adjustment or erroneous handling may cause incomplete combustion (misfiring), resulting in the temperature of the catalytic converter rising to extreme levels. Take care, as this may damage the catalytic converter or other related parts.

Although the catalytic converter does not require any special inspections or maintenance, please perform specified engine inspections and maintenance.

NOTICE

Improper motorcycle operation can cause catalyst or other motorcycle damage.

To avoid damage to the catalyst or other related components, you should take the following precautions:

- While the motorcycle is in motion, do not operate the ignition switch or engine stop switch, or turn off the engine, except in an emergency.
- Do not try to start the engine by pushing the motorcycle or by coasting down a hill.
- Do not start the engine with the spark plug wire removed during diagnostic testing.
- Do not idle the engine unnecessarily or for long periods.
- Do not use all of the gasoline in the fuel tank.
- If engine performance deteriorates or is poor, have your motorcycle inspected at a Suzuki dealer.

ON-BOARD MOTORCYCLE COMPUTER DATA INFORMATION

DESCRIPTION

Your motorcycle is equipped with on-board computer systems, which monitor and control several aspects of motorcycle performance, including the following:

DATA TYPES

- Engine condition, such as engine speed.
- Transmission condition, such as gear position.
- Operating status, such as accelerator, brakes (including ABS), gear position.
- Information related to computer system failures of all kinds.

NOTE:

- *Data recorded differs depending on vehicle type.*
- *Voice data is not recorded.*
- *Depending on the conditions of use, data may not be recorded in some cases.*

DISCLOSURE OF DATA

Suzuki Motor Corporation and third parties contracted by Suzuki Motor Corporation may acquire and use data recorded by on-board computers to diagnose vehicle faults, conduct research, and development, and improve quality.

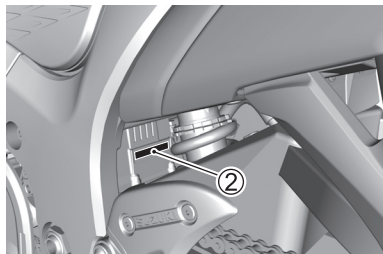
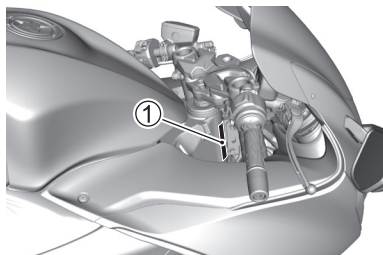
Suzuki Motor Corporation and third parties contracted by Suzuki Motor Corporation will not disclose or provide the information acquired to a third party other than in the following cases.

- When the user of the vehicle has consented.
- When required or allowed to do so based on laws and ordinances, a court injunction, or other legal force.
- When providing data that has been processed so that users and vehicles cannot be identified, for use by research institutes, etc., in statistical processing, etc.

SERIAL NUMBER LOCATION

DESCRIPTION

Record the frame and engine serial numbers in the next page for use in procedures such as creating vehicle registration documents. You also need these numbers to help your dealer when you order parts.



FRAME NUMBER

The frame number ① is stamped on the steering head as shown in the illustration.

Write down the frame number here for your future reference.

Frame No.:

ENGINE SERIAL NUMBER

The engine serial number ② is stamped on the crankcase assembly.

Write down the serial number here for your future reference.

Engine No.:

KEY NUMBER

This motorcycle comes with two keys and an alphanumeric key number printed on a plate.

NOTE:

- *In addition to standard key functions, the keys of this motorcycle also have immobilizer functions.*
- *Damaging or losing these keys will cause you to incur significant expense, so please handle them with care.*
- *Please store the spare key carefully.*



SPECIFICATIONS

DIMENSIONS AND CURB MASS

Overall length	2180 mm (85.8 in)
Overall width	735 mm (28.9 in)
Overall height	1165 mm (45.9 in)
Wheelbase	1205 mm (47.4 in) ... with option
Ground clearance	1480 mm (58.3 in)
Ground clearance	125 mm (4.9 in)
Curb mass	264 kg (582 lbs)
Curb mass	266 kg (582 lbs) ... India

ENGINE

Type	Four-stroke, liquid-cooled
Number of cylinders	4
Bore	81.0 mm (3.189 in)
Stroke	65.0 mm (2.559 in)
Displacement	1340 cm ³ (81.8 cu. in)
Compression ratio	12.5 : 1
Fuel system	Fuel injection
Air cleaner	Paper element
Starter system	Electric
Lubrication system	Wet sump

DRIVE TRAIN

Clutch	Wet multi-plate type
Transmission	6-speed
Gearshift pattern	1-down, 5-up
Primary reduction ratio	1.596 (83/52)
Gear ratios, Low	2.615 (34/13)
2nd	1.937 (31/16)
3rd	1.526 (29/19)
4th	1.285 (27/21)
5th	1.136 (25/22)
Top	1.043 (24/23)
Final reduction ratio	2.388 (43/18)
Drive chain	RKGB50GSVZ5, 114 links

CHASSIS

Front suspension	Telescopic, coil spring, oil damped
Rear suspension	Swingarm, coil spring, oil damped
Front fork stroke	120 mm (4.7 in)
Rear wheel travel	140 mm (5.5 in)
Steering angle	30° (right and left)
Caster	23° 00'
Trail	90 mm (3.54 in)
Turning radius	3.3 m (10.8 ft)
Front brake	Double disk
Rear brake	Single disk
Front tire size	120/70ZR17M/C (58W)
Rear tire size	190/50ZR17M/C (73W)

ELECTRICAL

Ignition type	Electronic ignition (Transistorized)
Spark plug	DENSO IU27D
	NGK CR9EIA-9
Battery	12V 40.3 kC(11.2 Ah)/10 HR
Generator	Three-phase A.C. generator
Main fuse	30A
Fuse	7.5/7.5/10/10/10/10/15/15A
ABS fuse	15/30A
Headlight	LED
Position light	LED
Front turn signal light	LED
Rear turn signal light	LED
License plate light	LED
Brake light/Taillight	LED
Instrument panel light	LED
Malfunction indicator light	LED
Master warning indicator light	LED
Immobilizer indicator light (if equipped)	LED
Oil pressure indicator light	LED
Engine coolant temperature indicator light	LED
ABS indicator light	LED
Turn signal indicator light	LED
Neutral indicator light	LED
High beam indicator light	LED
Traction control indicator light	LED
Engine rpm indicator light	LED
Fuel indicator light	LED

CAPACITIES

Fuel tank	20.0 L (5.3/4.4 US/Imp. gal)
Engine oil, oil change	3200 ml (3.4/2.8 US/Imp. qt)
With filter change	3400 ml (3.6/3.0 US/Imp. qt)
Overhaul	4100 ml (4.3/3.6 US/Imp. qt)
Coolant	2900 ml (3.1/2.9 US/Imp. qt)

INDEX

A

ABS	1-11
ABS INDICATOR LIGHT	2-12
ACTIVE SPEED LIMITER	2-69
AIR CLEANER	3-17
AIR CLEANER ELEMENT	3-17
AMBIENT TEMPERATURE METER.....	2-20
ANTI-LIFT CONTROL SYSTEM.....	2-54
ANTI-LIFT CONTROL SYSTEM INDICATOR	2-55
AVERAGE FUEL CONSUMPTION METER.....	2-26

B

BATTERY	3-14, 5-2
BI-DIRECTIONAL QUICK SHIFT SYSTEM	2-56
BRAKE FLUID	3-37
BRAKE LEVER	2-86
BRAKE PADS.....	3-39
BRAKES	3-37

C

CATALYTIC CONVERTER	6-2
CLOCK.....	2-18
CLUTCH	3-36
CLUTCH FLUID	3-36
CLUTCH LEVER	2-87
CRUISE CONTROL	2-59
CRUISE CONTROL SWITCH	2-60

D

DIAGNOSIS DISPLAY.....	2-19
DIAGNOSTIC CONNECTOR.....	3-57
DIMMER SWITCH	2-73
DOCUMENT HOLDER	2-89
DRIVE CHAIN.....	3-32
DRIVING RANGE METER	2-27

E

ELECTRIC STARTER SWITCH.....	2-75
ENGINE	5-2
ENGINE BRAKE CONTROL SYSTEM	2-55
ENGINE COOLANT	3-26
ENGINE COOLANT TEMPERATURE INDICATOR LIGHT.....	2-17
ENGINE COOLANT TEMPERATURE METER	2-17
ENGINE IDLE SPEED	3-30
ENGINE NUMBER	6-4
ENGINE OIL	3-19
ENGINE OIL DRAIN PLUG.....	3-23
ENGINE OIL FILTER.....	3-23
ENGINE RPM INDICATOR.....	2-13
ENGINE STOP SWITCH.....	2-74
EXHAUST PIPES	5-7
EXTERNAL.....	5-3

F

FAIRING	3-9
FRAME COVER	3-10
FRAME NUMBER.....	6-4
FRONT SEAT	2-88
FRONT SUSPENSION	2-90
FRONT WHEEL	3-47
FUEL	1-15, 5-2
FUEL HOSE	3-31
FUEL INDICATOR LIGHT	2-10
FUEL METER	2-10
FUEL TANK.....	3-11
FUEL TANK CAP.....	2-80
FUSES	3-53

G

- GEAR POSITION INDICATOR.... 2-36
- GEARSHIFT LEVER 2-83, 3-41

H

- HANDLEBAR SWITCHES..... 2-5
- HAZARD WARNING SWITCH 2-75
- HEADLIGHT BEAM 3-52
- HEADLIGHT FLASHER
SWITCH 2-73
- HELMET HOLDERS 2-89
- HIGH BEAM INDICATOR
LIGHT 2-18
- HILL HOLD..... 2-67
- HILL HOLD INDICATOR 2-21
- HORN SWITCH 2-73

I

- IGNITION SWITCH..... 2-69
- IMMOBILIZER 2-72
- INFORMATION WINDOW..... 2-23
- INSTANTANEOUS FUEL
CONSUMPTION METER..... 2-27
- INSTRUMENT PANEL 2-10

K

- KEY NUMBER 6-4

L

- LAUNCH CONTROL SYSTEM.... 2-58
- LAUNCH CONTROL SYSTEM
INDICATOR 2-57
- LAUNCH CONTROL SYSTEM
SWITCH 2-58
- LCD 2-7
- LIGHT BULB 3-52
- LOCATION OF PARTS..... 2-2
- LUBRICATION..... 3-13

M

- MAIN DISPLAY 2-8
- MAIN FUSE 3-54
- MAINTENANCE CHART 3-4
- MALFUNCTION INDICATOR
LIGHT..... 2-15
- MASTER WARNING
INDICATOR LIGHT 2-13
- MODE SWITCH..... 2-73
- MOTION TRACK TRACTION
CONTROL SYSTEM 2-52

N

- NEUTRAL INDICATOR LIGHT 2-18

O

- ODOMETER 2-25
- OIL PRESSURE INDICATOR
LIGHT..... 2-17
- ON-BOARD MOTORCYCLE
COMPUTER DATA
INFORMATION 6-3
- OVERHEATING 4-3

P

- PLASTIC PARTS..... 5-6
- POWER MODE SELECTOR..... 2-51

Q

- QUICK SHIFT 2-83

R

RADIATOR HOSE	3-29
REAR BRAKE LIGHT SWITCH...	3-41
REAR BRAKE PEDAL	2-86
REAR SEAT	2-89
REAR SUSPENSION	2-93
REAR WHEEL	3-49
RED ZONE	2-11
REFUELING	2-80
RIDING ASSISTANCE SYSTEM INDICATORS	2-22

S

SEAT LOCK	2-88
SELECT SWITCH	2-73
SERIAL NUMBER LOCATION	6-4
SERVICE	2-49
SERVICE REMINDER INDICATOR	2-21
SHIFTING GEARS	2-82
SIDE STAND	2-90
SIDE STAND/IGNITION INTERLOCK SYSTEM	3-46
SPARK PLUG	3-16
SPEEDOMETER	2-17
STANDS	2-90
STEERING DAMPER	3-8
SUSPENSION ADJUSTMENT	2-90
SUZUKI EASY START SYSTEM	2-78

T

TACHOMETER	2-11
THERMOMETER	2-20
THROTTLE CABLE	3-30
TIRES	3-42, 5-3
TOOLS	3-8
TRACTION CONTROL INDICATOR LIGHT	2-16
TRIP METER	2-25
TURN SIGNAL INDICATOR LIGHT	2-11
TURN SIGNAL LIGHT SWITCH	2-74

V

VOLTMETER	2-26
-----------------	------

W

WHEELS	5-6
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6-2-1 Somejidai, Hamakita-ku, Hamamatsu, Shizuoka 434-0046, Japan

DECLARATION of CONFORMITY

[EN] English	Hereby, ASAHI DENSO CO., LTD. declares that the radio equipment type [SZ137] is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://en.ad-asahidenso.co.jp/euro-compliance/
[BG] Bulgarian	С настоящото ASAHI DENSO CO., LTD. декларира, че този тип радиосъоръжение [SZ137] е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: http://en.ad-asahidenso.co.jp/euro-compliance/
[CS] Czech	Tímto ASAHI DENSO CO., LTD. prohlašuje, že typ rádiového zařízení [SZ137] je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://en.ad-asahidenso.co.jp/euro-compliance/
[DA] Danish	Hermed erklærer ASAHI DENSO CO., LTD., at radioudstyrtypen [SZ137] er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://en.ad-asahidenso.co.jp/euro-compliance/
[DE] German	Hiermit erklärt ASAHI DENSO CO., LTD., dass der Funkanlagentyp [SZ137] der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://en.ad-asahidenso.co.jp/euro-compliance/
[ET] Estonian	Käesolevaga deklareerib ASAHI DENSO CO., LTD., et käesolev raadioseadme tüüp [SZ137] vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://en.ad-asahidenso.co.jp/euro-compliance/
[EL] Greek	Με την παρούσα ο/η ASAHI DENSO CO., LTD., δηλώνει ότι ο ραδιοεξοπλισμός [SZ137] πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://en.ad-asahidenso.co.jp/euro-compliance/
[ES] Spanish	Por la presente, ASAHI DENSO CO., LTD. declara que el tipo de equipo radioeléctrico [SZ137] es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://en.ad-asahidenso.co.jp/euro-compliance/
[FR] French	Le soussigné, ASAHI DENSO CO., LTD., déclare que l'équipement radioélectrique du type [SZ137] est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://en.ad-asahidenso.co.jp/euro-compliance/
[IT] Italian	Il fabbricante, ASAHI DENSO CO., LTD., dichiara che il tipo di apparecchiatura radio [SZ137] è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://en.ad-asahidenso.co.jp/euro-compliance/
[LV] Latvian	Ar šo ASAHI DENSO CO., LTD. deklarē, ka radioiekārta [SZ137] atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://en.ad-asahidenso.co.jp/euro-compliance/



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[LT] Lithuanian	Aš, ASAHI DENSO CO., LTD., patvirtinu, kad radijo įrenginių tipas [SZ137] atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://en.ad-asahidenso.co.jp/euro-compliance/
[HR] Croatian	ASAHI DENSO CO., LTD. ovime izjavljuje da je radijska oprema tipa [SZ137] u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://en.ad-asahidenso.co.jp/euro-compliance/
[HU] Hungarian	ASAHI DENSO CO., LTD. igazolja, hogy a [SZ137] típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://en.ad-asahidenso.co.jp/euro-compliance/
[MT] Maltese	B'dan, ASAHI DENSO CO., LTD., niddikjara li dan it-tip ta' taghmir tar-radju [SZ137] huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://en.ad-asahidenso.co.jp/euro-compliance/
[NL] Dutch	Hierbij verklaar ik, ASAHI DENSO CO., LTD., dat het type radioapparatuur [SZ137] conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://en.ad-asahidenso.co.jp/euro-compliance/
[PL] Polish	ASAHI DENSO CO., LTD. niniejszym oświadczam, że typ urządzenia radiowego [SZ137] jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://en.ad-asahidenso.co.jp/euro-compliance/
[PT] Portuguese	O(a) abaixo assinado(a) ASAHI DENSO CO., LTD. declara que o presente tipo de equipamento de rádio [SZ137] está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://en.ad-asahidenso.co.jp/euro-compliance/
[RO] Romanian	Prin prezenta, ASAHI DENSO CO., LTD. declară că tipul de echipamente radio [SZ137] este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://en.ad-asahidenso.co.jp/euro-compliance/
[SK] Slovak	ASAHI DENSO CO., LTD. týmto vyhlasuje, že rádiové zariadenie typu [SZ137] je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://en.ad-asahidenso.co.jp/euro-compliance/
[SL] Slovenian	ASAHI DENSO CO., LTD. potrjuje, da je tip radijske opreme [SZ137] skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://en.ad-asahidenso.co.jp/euro-compliance/
[FI] Finnish	ASAHI DENSO CO., LTD. vakuuttaa, että radiolaitetyypin [SZ137] on direktiivin 2014/53/EU mukainen. EU-vaatimusten mukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://en.ad-asahidenso.co.jp/euro-compliance/
[SV] Swedish	Härmed försäkras ASAHI DENSO CO., LTD. att denna typ av radioutrustning [SZ137] överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://en.ad-asahidenso.co.jp/euro-compliance/

Note) Frequency band(s) in which the radio equipment operates : 119-135 KHz operating at 134.2KHz

Maximum radio frequency power transmitted in the frequency band(s) : 38.9 dBuV/m @ 10m

Country	Importers name	Registered trade name or registered trade mark	TEL FAX	Postal address
GERMANY	SUZUKI DEUTSCHLAND GMBH	SUZUKI DEUTSCHLAND GMBH	49-6251-5700-380 49-6251-5700-389	SUZUKI-ALLEE 7, 64625 BENSHEIM, GERMANY
FRANCE	SUZUKI FRANCE S.A.S.	SUZUKI FRANCE S.A.S.	33-1-3482-1400 33-1-3482-8076	8, AVENUE DES FRERES LUMIERE, 78190 TRAPPES, FRANCE
ITALY	SUZUKI ITALIA S.p.A.	SUZUKI ITALIA S.p.A.	39-011-9213713 39-011-9213748	C.SO FRATELLI KENNEDY 12 10070 ROBASSOMERO (TO) ITALY
U.K.	SUZUKI GB PLC	SUZUKI GB PLC	44-1908-336600 44-1908-336704	STENBECK CRESCENT, SNELSHALL WEST, MILTON KEYNES MK4 4AE, U.K.
SPAIN	SUZUKI MOTOR IBERICA S.A.U	SUZUKI MOTOR IBERICA S.A.U	34-91-151-9500 34-91-151-9599	CALLE CARLOS SANZ 35-POLIGONO, CIUDAD DEL AUTOMOVIL, 28914, LEGANES, MADRID, SPAIN
AUSTRIA	SUZUKI AUSTRIA AUTOMOBIL. HANDELS GESELLSCHAFT M.B.H.	SUZUKI AUSTRIA AUTOMOBIL. HANDELS GESELLSCHAFT M.B.H.	43-662-2155-353 43-662-2155-900	MUNCHNER BUNDESSTRASSE 160 A-5020 SALZBURG, AUSTRIA
HUNGARY	MAGYAR SUZUKI CORPORATION LTD.	MAGYAR SUZUKI CORPORATION LTD.	36-23-803-990 36-23-803-991	H-2040 BUDAORS KELETI UTCA 2, HUNGARY
FINLAND	SUZUKI DEUTSCHLAND GMBH, FINNISH BRANCH	SUZUKI DEUTSCHLAND GMBH, FINNISH BRANCH	358 10 321 2000	RAJAMAAKKAARI 5, FI-02970, ESPOO, FINLAND
POLAND	SUZUKI MOTOR POLAND SP. Z O.O.	SUZUKI MOTOR POLAND SP. Z O.O.	48-22-329-4104 48-22-329-4150	UL. POLCZYNSKA 10, 01-378 WARSZAW, POLAND
NETHERLANDS	B.V. NIMAG	B.V. NIMAG	31-347-349-749 31-347-349-700	LANGE DREEF 12 4130 EB VIANEN THE NETHERLANDS
SWEDEN	KGK MOTOR AB	KGK MOTOR AB	46-802-3000 46-802-3345	HAMMARBACKEN 8, SE-191 81 SOLLENTUNA, SWEDEN
DENMARK	C. REINHARDT AS	C. REINHARDT AS	45-4485-0910 45-4485-0899	INDUSTRIPAKEN 21, DK-2750 BALLERUP, DENMARK
SWITZERLAND	SUZUKI AUTOMOBILE SCHWEIZ AG	SUZUKI AUTOMOBILE SCHWEIZ AG	41-62-788-87-90 41-62-788-87-91	EMIL-FREY-STRASSE, 5745 SAFENWIL, SWITZERLAND
BELGIUM	MOTEO TWO WHEELS BELUX N.V.	MOTEO TWO WHEELS BELUX N.V.	32-3-4500411 32-3-4500440	SATENROZEN 8, B-2550 KONTICH, BELGIUM
PORTUGAL	MOTEO PORTUGAL, S.A.	MOTEO PORTUGAL, S.A.	351-234-300760 351-234-300761	R. JOAO FRANCISCO DO CASAL APARTADO 3072 3801-101 AVEIRO, PORTUGAL
NORWAY	ERLING SANDE AS	ERLING SANDE AS	47-32-98-93-00 47-31-30-92-09	DRÅPEN 12, DRAMMEN, NORWAY
GREECE	SPAKINAKIS S.A.	SPAKINAKIS S.A.	30-210-349-9000 30-210-347-6191	5-7, SIDIROKASTROU STR & IDIMAS STR, 118 55 ATHENS, GREECE
CYPRUS	A.TRICOMITIS MOTORS LIMITED	A.TRICOMITIS MOTORS LIMITED	357-24-819700 357-24-637727	P. O. BOX 40459, 35 SPYROU KYPRIANOU, TRICOMITIS BUILDING, LARNACA, 6013 CY, CYPRUS
IRELAND	PRIORY CYCLE & MOTORCYCLE MANUFACTURING LTD.	PRIORY CYCLE & MOTORCYCLE MANUFACTURING LTD.	353-1-8307300 353-1-8307380	75-77 BOYNE ROAD, DUBLIN INDUSTRIAL ESTATE DUBLIN 11, IRELAND
ICELAND	SUZUKI UMBODID EHF	SUZUKI UMBODID EHF	354-568-5100 354-588-8211	SKEIFAN 17, 108 REYKJAVIK, ICELAND
MALTA	INDUSTRIAL MOTORS LTD.	INDUSTRIAL MOTORS LTD.	356-20-160000	1, ANTONIO BOSIO STREET MSDA, MSD1341 MALTA

TRA

REGISTERED No:

ER73541/19

DEALER No:

DA83368/19

מספר אישור אלחוטי של משרד התקשורת הוא 51-70019
אסור להחליף את האנטנה המקורית של המכשיר ולא
לעשות בו כל שינוי טכני אחר

Продукты	Контроллер иммобилайзера
Модель	SZ137U
Производитель	ASAHI DENSO CO.,LTD. AD
Страна происхождения	Япония
Адрес	6-2-1 Somejidai, Hamakita-ku, Shizuoka 434-0046, Япония
Телефон	(+81)53-586-7383
Факс	(+81)53-584-1589

Дата производства указана на этикетке продукта.

Импортеры	ООО «СУЗУКИ МОТОР РУС»
Телефон	+7 (495) 780-9071
Факс	+7 (495) 780-9072
Адрес	129323, Россия, Москва, ул. Снежная, 26





ASAHI DENSO CO.,LTD

6-2-1 Somejidai, Hamakita-ku, Hamamatsu, Shizuoka, 434-0046 JAPAN

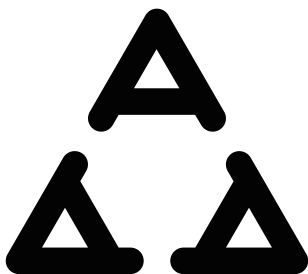
Importers name : AUTO International

Model No. SZ137

Frequency Range : 119-135kHz operating at 134.2kHz

RF Power Output : 38.9dBuV/m [@10m]

Ⓢ UA.TR.052



H005 19

AGRÉÉ PAR L'ANRT MAROC

Numéro d'agrément :MR 21935 ANRT 2019

Date d'agrément :27/12/2019

