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You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA YBR125. You'll find the answers to all your questions on the YAMAHA YBR125 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual YAMAHA YBR125
User guide YAMAHA YBR125
Operating instructions YAMAHA YBR125
Instructions for use YAMAHA YBR125
Instruction manual YAMAHA YBR125



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Manual abstract:

In addition, the many tips given in this manual will help keep your motorcycle in the best possible condition. If you have any further questions, do not hesitate to contact your Yamaha dealer. The Yamaha team wishes you many safe and pleasant rides. So, remember to put safety first! Yamaha continually seeks advancements in product design and quality. Therefore, while this manual contains the most current product information available at the time of printing, there may be minor discrepancies between your motorcycle and this manual. @It is used to alert you to potential personal injury hazards. @@@@1st edition, October 2008 All rights reserved. Any reprinting or unauthorized use without the written permission of Yamaha Motor Co., Ltd. is expressly prohibited.

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.....9-1 SAFETY INFORMATION EAU10283 1 Be a Responsible Owner As the vehicle's owner, you are responsible for the safe and proper operation of your motorcycle. Motorcycles are single-track vehicles. Their safe use and operation are dependent upon the use of proper riding techniques as well as the expertise of the operator.

Every operator should know the following requirements before riding this motorcycle. He or she should: G Obtain thorough instructions from a competent source on all aspects of motorcycle operation. G Observe the warnings and maintenance requirements in this Owner's Manual. G Obtain qualified training in safe and proper riding techniques. G Obtain professional technical service as indicated in this Owner's Manual and/or when made necessary by mechanical conditions.

Safe Riding Perform the pre-operation checks each time you use the vehicle to make sure it is in safe operating condition. Failure to inspect or maintain the vehicle properly increases the possibility of an accident or equipment damage. See page 4-1 for a list of pre-operation checks. G This motorcycle is designed to carry the operator and a passenger. G The failure of motorists to detect and recognize motorcycles in traffic is the predominating cause of automobile/motorcycle accidents.

Many accidents have been caused by an automobile driver who did not see the motorcycle. Making yourself conspicuous appears to be very effective in reducing the chance of this type of accident. Therefore: · Wear a brightly colored jacket. · Use extra caution when you are approaching and passing through intersections, since intersections are the most likely places for motorcycle accidents to occur. 1-1 G G · Ride where other motorists can see you. Avoid riding in another motorist's blind spot. Many accidents involve inexperienced operators. In fact, many operators who have been involved in accidents do not even have a current motorcycle license. · Make sure that you are qualified and that you only lend your motorcycle to other qualified operators. · Know your skills and limits.

Staying within your limits may help you to avoid an accident. · We recommend that you practice riding your motorcycle where there is no traffic until you have become thoroughly familiar with the motorcycle and all of its controls. Many accidents have been caused by error of the motorcycle operator. A typical error made by the operator is veering wide on a turn SAFETY INFORMATION due to excessive speed or undercornering (insufficient lean angle for the speed). · Always obey the speed limit and never travel faster than warranted by road and traffic conditions. · Always signal before turning or changing lanes. Make sure that other motorists can see you. The posture of the operator and passenger is important for proper control. · The operator should keep both hands on the handlebar and both feet on the operator footrests during operation to maintain control of the motorcycle. · The passenger should always hold onto the operator, the seat strap or grab bar, if equipped, with both hands and keep both feet on the passenger footrests.

Never carry a passenger unless he or she can firmly place both feet on the passenger footrests. Never ride under the influence of alcohol or other drugs. G

This motorcycle is designed for onroad use only. It is not suitable for off-road use. G A passenger should also observe the above precautions.

1 G G Protective apparel The majority of fatalities from motorcycle accidents are the result of head injuries. The use of a safety helmet is the single most critical factor in the prevention or reduction of head injuries. G Always wear an approved helmet. G Wear a face shield or goggles.



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Wind in your unprotected eyes could contribute to an impairment of vision that could delay seeing a hazard.

G The use of a jacket, heavy boots, trousers, gloves, etc., is effective in preventing or reducing abrasions or lacerations. G Never wear loose-fitting clothes, otherwise they could catch on the control levers, footrests, or wheels and cause injury or an accident. G Always wear protective clothing that covers your legs, ankles, and feet. The engine or exhaust system become very hot during or after operation and can cause burns. 1-2 Avoid Carbon Monoxide Poisoning All engine exhaust contains carbon monoxide, a deadly gas. Breathing carbon monoxide can cause headaches, dizziness, drowsiness, nausea, confusion, and eventually death. Carbon Monoxide is a colorless, odorless, tasteless gas which may be present even if you do not see or smell any engine exhaust. Deadly levels of carbon monoxide can collect rapidly and you can quickly be overcome and unable to save yourself. Also, deadly levels of carbon monoxide can linger for hours or days in enclosed or poorly ventilated areas.

If you experience any symptoms of carbon monoxide poisoning, leave the area immediately, get fresh air, and SEEK MEDICAL TREATMENT. G Do not run engine indoors. Even if you try to ventilate engine exhaust with fans or open windows and doors, carbon monoxide can rapidly reach dangerous levels.

SAFETY INFORMATION G 1 G Do not run engine in poorly ventilated or partially enclosed areas such as barns, garages, or carports. Do not run engine outdoors where engine exhaust can be drawn into a building through openings such as windows and doors. Maximum load: 196 kg (432 lb) Loading Adding accessories or cargo to your motorcycle can adversely affect stability and handling if the weight distribution of the motorcycle is changed. To avoid the possibility of an accident, such accessories are not recommended. Use caution when adding electrical accessories. If electrical accessories exceed the capacity of the motorcycle's electrical system, an electric failure could result, which could cause a dangerous loss of lights or engine power. G 1 Aftermarket Tires and Rims The tires and rims that came with your motorcycle were designed to match the performance capabilities and to provide the best combination of handling, braking, and comfort.

Other tires, rims, sizes, and combinations may not be appropriate. Refer to page 6-13 for tire specifications and more information on replacement. ECA11170 3 1. 2. 3.

4. Speedometer Odometer Tripmeter Tripmeter reset knob 1. Tachometer 2. Tachometer red zone NOTICE To prevent engine damage, be sure to consult a Yamaha dealer as soon as possible if this occurs. The speedometer unit is equipped with a speedometer, an odometer and a tripmeter.

The speedometer shows riding speed. The odometer shows the total distance traveled. The tripmeter shows the distance traveled since it was last set to zero with the reset knob. The tripmeter can be used to estimate the distance that can be traveled with a full tank of fuel. This information will enable you to plan future fuel stops. The electric tachometer allows the rider to monitor the engine speed and keep it within the ideal power range. ECA10031 NOTICE Do not operate the engine in the tachometer red zone. Red zone: 10000 r/min and above 3-3 INSTRUMENT AND CONTROL FUNCTIONS EAU37052 EAU12347 EAU12400 Fuel gauge Handlebar switches Left Dimmer switch " / " Set this switch to " " for the high beam and to " " for the low beam. EAU12460 3 1. Fuel gauge 2.

Red zone The fuel gauge indicates the amount of fuel in the fuel tank. The needle moves towards "E" (Empty) as the fuel level decreases. When the needle reaches the red zone, approximately 3.0 L (0.79 US gal, 0.66 Imp.gal) remain in the fuel tank. If this occurs, refuel as soon as possible. TIP The main switch must be turned to "ON" for the fuel gauge to display an accurate fuel level reading. 1.

Dimmer switch " / " 2. Turn signal switch " / " 3. Horn switch " " Turn signal switch " / " To signal a right-hand turn, push this switch to " ". To signal a left-hand turn, push this switch to " ". When released, the switch returns to the center position.

To cancel the turn signal lights, push the switch in after it has returned to the center position. EAU12500 Right Horn switch " " Press this switch to sound the horn. EAU12711 Start switch " " Push this switch to crank the engine with the starter. See page 5-1 for starting instructions prior to starting the engine. EAU41700 1.

Start switch " " The engine trouble warning light will come on when the key is turned to "ON" and the start switch is pushed, but this does not indicate a malfunction. 3-4 INSTRUMENT AND CONTROL FUNCTIONS EAU12820 EAU12870 EAU12890 Clutch lever Shift pedal 1 Brake lever 1 3 1. Clutch lever 1. Shift pedal 1. Brake lever The clutch lever is located at the left handlebar grip. To disengage the clutch, pull the lever toward the handlebar grip. To engage the clutch, release the lever. The lever should be pulled rapidly and released slowly for smooth clutch operation. The clutch lever is equipped with a clutch switch, which is part of the ignition circuit cut-off system. (See page 3-11.

) The shift pedal is located on the left side of the engine and is used in combination with the clutch lever when shifting the gears of the 5-speed constant-mesh transmission equipped on this motorcycle. The brake lever is located at the right handlebar grip. To apply the front brake, pull the lever toward the handlebar grip. 3-5 INSTRUMENT AND CONTROL FUNCTIONS EAU12941 EAU13002 Brake pedal Fuel tank cap TIP The fuel tank cap cannot be installed unless the key is in the lock. In addition, the key cannot be removed if the cap is not properly installed and locked. EWA11141 WARNING 3 Make sure that the fuel tank cap is properly installed before riding. Leaking fuel is a fire hazard. 1. Unlock. 1 1.

Brake pedal The brake pedal is on the right side of the motorcycle. To apply the rear brake, press down on the brake pedal. To remove the fuel tank cap Insert the key into the lock and turn it 1/4 turn clockwise. The lock will be released and the fuel tank cap can be removed. To install the fuel tank cap 1.

Push the fuel tank cap into position with the key inserted in the lock. 2. Turn the key counterclockwise to the original position, and then remove it. 3-6 INSTRUMENT AND CONTROL FUNCTIONS EAU13221 Fuel Make sure there is sufficient gasoline in the tank. EWA10881 ately.

If gasoline spills on your skin, wash with soap and water. If gasoline spills on your clothing, change your clothes. EAU13320 WARNING Gasoline and gasoline vapors are extremely flammable. To avoid fires and explosions and to reduce the risk of injury when refueling, follow these instructions.



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1. Before refueling, turn off the engine and be sure that no one is sitting on the vehicle. Never refuel while smoking, or while in the vicinity of sparks, open flames, or other sources of ignition such as the pilot lights of water heaters and clothes dryers. 2. Do not overfill the fuel tank. When refueling, be sure to insert the pump nozzle into the fuel tank filler hole.

Stop filling when the fuel reaches the bottom of the filler tube. Because fuel expands when it heats up, heat from the engine or the sun can cause fuel to spill out of the fuel tank. 1. Fuel tank filler tube 2. Fuel level 3. Wipe up any spilled fuel immediately. NOTICE: Immediately wipe off spilled fuel with a clean, dry, soft cloth, since fuel may deteriorate painted surfaces or plastic parts. [ECA10071] 4. Be sure to securely close the fuel tank cap. EWA15151 Recommended fuel: REGULAR UNLEADED GASOLINE ONLY Fuel tank capacity: 13.

0 L (3.43 US gal, 2.86 Imp.gal) Fuel reserve amount: 3.0 L (0.

79 US gal, 0.66 Imp.gal) ECA11400 3 NOTICE Use only unleaded gasoline. The use of leaded gasoline will cause severe damage to internal engine parts, such as the valves and piston rings, as well as to the exhaust system. Your Yamaha engine has been designed to use regular unleaded gasoline with a research octane number of 91 or higher.

If knocking (or pinging) occurs, use a gasoline of a different brand WARNING Gasoline is poisonous and can cause injury or death. Handle gasoline with care. Never siphon gasoline by mouth. If you should swallow some gasoline or inhale a lot of gasoline vapor, or get some gasoline in your eyes, see your doctor immediately. 3-7 INSTRUMENT AND CONTROL FUNCTIONS or premium unleaded fuel. Use of unleaded fuel will extend spark plug life and reduce maintenance costs. EAU13445 ECA10701 Catalytic converters This vehicle is equipped with catalytic converters in the exhaust system. EWA10862 NOTICE Use only unleaded gasoline. The use of leaded gasoline will cause unrepairable damage to the catalytic converter. WARNING The exhaust system is hot after operation. To prevent a fire hazard or burns: G Do not park the vehicle near possible fire hazards such as grass or other materials that easily burn.

G Park the vehicle in a place where pedestrians or children are not likely to touch the hot exhaust system. G Make sure that the exhaust system has cooled down before doing any maintenance work. G Do not allow the engine to idle more than a few minutes. Long idling can cause a build-up of heat. 3-8 INSTRUMENT AND CONTROL FUNCTIONS EAU43150 EAU14881 EWA10210 Kickstarter Adjusting the shock absorber assemblies WARNING Always adjust both shock absorber assemblies equally, otherwise poor handling and loss of stability may result. Adjust the spring preload as follows. To increase the spring preload and thereby harden the suspension, turn the adjusting ring on each shock absorber assembly in direction (a). To decrease the spring preload and thereby soften the suspension, turn the adjusting ring on each shock absorber assembly in direction (b). Align the appropriate notch in the adjusting ring with the position indicator on the shock absorber. Spring preload setting: Minimum (soft): 1 Standard: 2 Maximum (hard): 5 3 1.

Kickstarter If the engine fails to start by pushing the start switch, try to start it by using the kickstarter. To start the engine, fold out the kickstarter lever, move it down lightly with your foot until the gears engage, and then push it down smoothly but forcefully. This model is equipped with a primary kickstarter, allowing the engine to be started in any gear if the clutch is disengaged and the sidestand is up. However, shifting the transmission into the neutral position before starting is recommended. 1.

Spring preload adjusting ring 2. Position indicator Each shock absorber assembly is equipped with a spring preload adjusting ring. ECA10101 NOTICE To avoid damaging the mechanism, do not attempt to turn beyond the maximum or minimum settings. 3-9 INSTRUMENT AND CONTROL FUNCTIONS EAU15112 EAU15190 EAU15301 Carrier EWA10171 Luggage strap holders Sidestand The sidestand is located on the left side of the frame. Raise the sidestand or lower it with your foot while holding the vehicle upright.

TIP The built-in sidestand switch is part of the ignition circuit cut-off system, which cuts the ignition in certain situations. (See further down for an explanation of the ignition circuit cut-off system.) EWA10240 WARNING G G 3 Do not exceed the load limit of 3 kg (6.6 lb) for the carrier. Do not exceed the maximum load of 196 kg (432 lb) for the vehicle. 1. Luggage strap holder There are four luggage strap holders below the rear of the seat. WARNING The vehicle must not be ridden with the sidestand down, or if the sidestand cannot be properly moved up (or does not stay up), otherwise the sidestand could contact the ground and distract the operator, resulting in a possible loss of control. Yamaha's ignition circuit cut-off system has been designed to assist the operator in fulfilling the responsibility of raising the sidestand before starting off. Therefore, check this system regularly as described 1.

Carrier 3-10 INSTRUMENT AND CONTROL FUNCTIONS below and have a Yamaha dealer repair it if it does not function properly. EAU43162 Ignition circuit cut-off system The ignition circuit cut-off system (comprising the sidestand switch, clutch switch and neutral switch) has the following functions. G It prevents starting when the transmission is in gear and the sidestand is up, but the clutch lever is not pulled. G It prevents starting when the transmission is in gear and the clutch lever is pulled, but the sidestand is still down. G It cuts the running engine when the transmission is in gear and the sidestand is moved down. Periodically check the operation of the ignition circuit cut-off system according to the following procedure. 3 3-11 INSTRUMENT AND CONTROL FUNCTIONS With the engine turned off: 1. Move the sidestand down. 2. Turn the key on.

3. Shift the transmission into the neutral position. 4. Push the start switch or push the kickstarter lever down. Does the engine start? WARNING · The vehicle must be placed on the center · If a malfunction is noted, have a Yamaha dealer check the system before riding.

stand during this inspection. 3 YES With the engine still running: 5. Move the sidestand up. 6. Keep the clutch lever pulled.

7. Shift the transmission into gear. 8. Move the sidestand down. Does the engine stall? NO The neutral switch may not be working correctly. The motorcycle should not be ridden until checked by a Yamaha dealer. YES NO After the engine has stalled: 9. Move the sidestand up. 10. Keep the clutch lever pulled.

11. Push the start switch or push the kickstarter lever down. Does the engine start? The sidestand switch may not be working correctly. The motorcycle should not be ridden until checked by a Yamaha dealer.



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YES NO The clutch switch may not be working correctly. The motorcycle should not be ridden until checked by a Yamaha dealer. The system is OK. The motorcycle can be ridden. 3-12 FOR YOUR SAFETY PRE-OPERATION CHECKS EAU15596 Inspect your vehicle each time you use it to make sure the vehicle is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in the Owner's Manual.

EWA11151 WARNING Failure to inspect or maintain the vehicle properly increases the possibility of an accident or equipment damage. Do not operate the vehicle if you find any problem. If a problem cannot be corrected by the procedures provided in this manual, have the vehicle inspected by a Yamaha dealer.

Before using this vehicle, check the following points: ITEM Fuel · Check fuel level in fuel tank. · Refuel if necessary.

· Check fuel line for leakage. · Check oil level in engine. · If necessary, add recommended oil to specified level. · Check vehicle for oil leakage. Check operation.

If soft or spongy, have Yamaha dealer bleed hydraulic system. Check brake pads for wear. Replace if necessary. Check fluid level in reservoir. If necessary, add recommended brake fluid to specified level. Check hydraulic system for leakage. CHECKS PAGE 3-7 4 Engine oil 6-9 Front brake 6-18, 6-18 Rear brake · Check operation. · Check pedal free play. · Adjust if necessary. . . . Check operation.

Lubricate cable if necessary. Check lever free play. Adjust if necessary. 4-1 6-17, 6-18 Clutch 6-15 FOR YOUR SAFETY PRE-OPERATION CHECKS ITEM CHECKS · Make sure that operation is smooth. · Check cable free play. · If necessary, have Yamaha dealer adjust cable free play and lubricate cable and grip housing. · Make sure that operation is smooth. · Lubricate if necessary. Check chain slack. Adjust if necessary.

Check chain condition. Lubricate if necessary. Check for damage. Check tire condition and tread depth. Check air pressure.

Correct if necessary. PAGE Throttle grip 6-12, 6-22 Control cables 6-22 Drive chain 6-20, 6-21 4 Wheels and tires 6-13, 6-15 Brake and shift pedals Brake and clutch levers Centerstand, sidestand Chassis fasteners Instruments, lights, signals and switches Sidestand switch · Make sure that operation is smooth. · Lubricate pedal pivoting points if necessary. · Make sure that operation is smooth. · Lubricate lever pivoting points if necessary.

· Make sure that operation is smooth. · Lubricate pivots if necessary. · Make sure that all nuts, bolts and screws are properly tightened. · Tighten if necessary. · Check operation. · Correct if necessary. · Check operation of ignition circuit cut-off system. · If system is not working correctly, have Yamaha dealer check vehicle. 6-23 6-23 6-24 -- -- 3-10 4-2 OPERATION AND IMPORTANT RIDING POINTS EAU15951 EAU43184 Starting the engine Read the Owner's Manual carefully to become familiar with all controls. If there is a control or function you do not understand, ask your Yamaha dealer.

EWA10271 WARNING Failure to familiarize yourself with the controls can lead to loss of control, which could cause an accident or injury. In order for the ignition circuit cut-off system to enable starting, one of the following conditions must be met: G The transmission is in the neutral position. G The transmission is in gear with the clutch lever pulled and the sidestand up. See page 3-11 for more information. 1. Turn the key to "ON". 2. Shift the transmission into the neutral position. (See page 5-2.) The neutral indicator light should come on.

If not, ask a Yamaha dealer to check the electrical circuit. 3. Start the engine by pushing the start switch or by pushing the kickstarter lever down. NOTICE: For maximum engine life, never accelerate hard when the engine is cold! [ECA11041] If the engine fails to start when using the start switch, release it, wait a few seconds, and then try again. Each starting attempt should be as short as possible to preserve the 5-1 battery.

Do not crank the engine more than 10 seconds on any one attempt. If the engine does not start with the starter motor, try using the kickstarter. 5 OPERATION AND IMPORTANT RIDING POINTS EAU16671 ECA10260 EAU16810 Shifting NOTICE G 5 1. Shift pedal 2. Neutral position G Shifting gears lets you control the amount of engine power available for starting off, accelerating, climbing hills, etc.

The gear positions are shown in the illustration. TIP To shift the transmission into the neutral position, press the shift pedal down repeatedly until it reaches the end of its travel, and then slightly raise it. Even with the transmission in the neutral position, do not coast for long periods of time with the engine off, and do not tow the motorcycle for long distances. The transmission is properly lubricated only when the engine is running. Inadequate lubrication may damage the transmission. Always use the clutch while changing gears to avoid damaging the engine, transmission, and drive train, which are not designed to withstand the shock of forced shifting. Tips for reducing fuel consumption Fuel consumption depends largely on your riding style. Consider the following tips to reduce fuel consumption: G Shift up swiftly, and avoid high engine speeds during acceleration. G Do not rev the engine while shifting down, and avoid high engine speeds with no load on the engine. G Turn the engine off instead of letting it idle for an extended length of time (e.

g., in traffic jams, at traffic lights or at railroad crossings). 5-2 OPERATION AND IMPORTANT RIDING POINTS EAU16830 Engine break-in There is never a more important period in the life of your engine than the period between 0 and 1000 km (600 mi). For this reason, you should read the following material carefully. Since the engine is brand new, do not put an excessive load on it for the first 1000 km (600 mi). The various parts in the engine wear and polish themselves to the correct operating clearances. During this period, prolonged full-throttle operation or any condition that might result in engine overheating must be avoided. EAU37252 500/1000 km (300/600 mi) Avoid prolonged operation above 7500 r/min. Rev the engine freely through the gears, but do not use full throttle at any time. NOTICE: After 1000 km (600 mi) of operation, the engine oil must be changed.

[ECA10281] 1000 km (600 mi) and beyond The vehicle can now be operated normally. ECA10310 EAU17213 Parking When parking, stop the engine, and then remove the key from the main switch. EWA10311 WARNING G G NOTICE G G 0500 km (0300 mi) Avoid prolonged operation above 6000 r/min.



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

Do not operate the engine at one set throttle position. Keep the engine speed out of the tachometer red zone. If any engine trouble should occur during the engine break-in period, immediately have a Yamaha dealer check the vehicle. G Since the engine and exhaust system can become very hot, park in a place where pedestrians or children are not likely to touch them and be burned. Do not park on a slope or on soft ground, otherwise the vehicle may overturn, increasing the risk of a fuel leak and fire.

Do not park near grass or other flammable materials which might catch fire. 5 5-3 PERIODIC MAINTENANCE AND ADJUSTMENT EAU17241 EWA15121 EAU17341 WARNING Periodic inspection, adjustment, and lubrication will keep your vehicle in the safest and most efficient condition possible. Safety is an obligation of the vehicle owner/operator. The most important points of vehicle inspection, adjustment, and lubrication are explained on the following pages.

The intervals given in the periodic maintenance and lubrication chart should be simply considered as a general guide under normal riding conditions.

However, depending on the weather, terrain, geographical location, and individual use, the maintenance intervals may need to be shortened. EWA10321 Owner's tool kit 6 Turn off the engine when performing maintenance unless otherwise specified. G A running engine has moving parts that can catch on body parts or clothing and electrical parts that can cause shocks or fires. G Running the engine while servicing can lead to eye injury, burns, fire, or carbon monoxide poisoning possibly leading to death. See page 1-1 for more information about carbon monoxide.

1. Owner's tool kit WARNING Failure to properly maintain the vehicle or performing maintenance activities incorrectly may increase your risk of injury or death during service or while using the vehicle. If you are not familiar with vehicle service, have a Yamaha dealer perform service. 6-1 The owner's tool kit is located behind panel B. (See page 6-6.) The service information included in this manual and the tools provided in the owner's tool kit are intended to assist you in the performance of preventive maintenance and minor repairs. However, additional tools such as a torque wrench may be necessary to perform certain maintenance work correctly. TIP If you do not have the tools or experience required for a particular job, have a Yamaha dealer perform it for you.

PERIODIC MAINTENANCE AND ADJUSTMENT EAU46870 TIP G G G The annual checks must be performed every year, except if a kilometer-based maintenance, or for the UK, a mileage-based maintenance, is performed instead. From 30000 km (17500 mi), repeat the maintenance intervals starting from 6000 km (3500 mi).

Items marked with an asterisk should be performed by a Yamaha dealer as they require special tools, data and technical skills. EAU46920 Periodic maintenance chart for the emission control system ODOMETER READING NO. ITEM CHECK OR MAINTENANCE JOB 1000 km (600 mi) 6000 km (3500 mi) 12000 km (7000 mi) 18000 km (10500 mi) 24000 km (14000 mi) ANNUAL CHECK 1 * Fuel line · Check fuel hoses for cracks or damage. · Check condition. · Clean and regap.

· Replace. 6 2 Spark plug 3 * Valves 4 * Fuel injection Air induction system · Check valve clearance. · Adjust. · Check engine idle speed. · Check the air cut-off valve, reed valve, and hose for damage.

· Replace any damaged parts if necessary. 5* 6-2 PERIODIC MAINTENANCE AND ADJUSTMENT EAU17716 General maintenance and lubrication chart ODOMETER READING NO. ITEM CHECK OR MAINTENANCE JOB 1000 km (600 mi) 6000 km (3500 mi) 12000 km (7000 mi) 18000 km (10500 mi) 24000 km (14000 mi) ANNUAL CHECK 1 2 Air filter element Clutch · Clean. · Replace. · Check operation. · Adjust. · Check operation, fluid level and vehicle for fluid leakage. · Replace brake pads. 3 * Front brake Whenever worn to the limit 4 * Rear brake · Check operation and adjust brake pedal free play. · Replace brake shoes.

6 5 * Brake hose 6 * Wheels Whenever worn to the limit · Check for cracks or damage. · Replace. · Check runout and for damage. · Check tread depth and for damage. · Replace if necessary. · Check air pressure. · Correct if necessary. · Check bearing for looseness or damage. · Check bush assemblies for looseness. · Lubricate with lithium-soap-based grease.

6-3 Every 4 years 7 * Tires 8 * Wheel bearings Swingarm pivot 9* bushes Every 50000 km (30000 mi) PERIODIC MAINTENANCE AND ADJUSTMENT ODOMETER READING NO. ITEM CHECK OR MAINTENANCE JOB 1000 km (600 mi) 6000 km (3500 mi) 12000 km (7000 mi) 18000 km (10500 mi) 24000 km (14000 mi) ANNUAL CHECK 10 Drive chain · Check chain slack, alignment and condition. · Adjust and lubricate chain with a special O-ring chain lubricant thoroughly. · Check bearing play and steering for roughness. · Lubricate with lithium-soap-based grease.

· Make sure that all nuts, bolts and screws are properly tightened. · Check operation. · Lubricate. · Check operation. · Check operation and for oil leakage. · Check operation and shock absorbers for oil leakage. · Change. · Check oil level and vehicle for oil leakage. · Check operation. · Lubricate. Every 1000 km (600 mi) and after washing the motorcycle or riding in the rain 11 * Steering bearings Every 24000 km (14000 mi) 12 * Chassis fasteners 13 Sidestand, centerstand 6 14 * Sidestand switch 15 * Front fork 16 * Shock absorber assemblies Engine oil Front and rear brake switches Moving parts and cables 17 18 * 19 6-4 PERIODIC MAINTENANCE AND ADJUSTMENT ODOMETER READING NO. ITEM CHECK OR MAINTENANCE JOB 1000 km (600 mi) 6000 km (3500 mi) 12000 km (7000 mi) 18000 km (10500 mi) 24000 km (14000 mi) ANNUAL CHECK Throttle grip housing and cable · Check operation and free play. · Adjust the throttle cable free play if necessary. · Lubricate the throttle grip housing and cable. · Check operation.

· Adjust headlight beam. 21 * Lights, signals and switches EAU18660 TIP G 6 G G The air filter needs more frequent service if you are riding in unusually wet or dusty areas. Hydraulic brake service · Regularly check and, if necessary, correct the brake fluid level. · Every two years replace the internal components of the brake master cylinder and caliper, and change the brake fluid.



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· Replace the brake hoses every four years and if cracked or damaged. 6-5 PERIODIC MAINTENANCE AND ADJUSTMENT EAU18771 Removing and installing panels The panels shown need to be removed to perform some of the maintenance jobs described in this chapter. @@Panel B EAU37070 2.

@@Remove the screw. 1. Panel A To install the panel 1.

@@Screw 2. @@@@To remove the spark plug 1. Remove the spark plug cap. To install the panel 1. @@6 1.

Panel lock cover 2. Unlock. 2. @@Spark plug cap 2. @@@@Check the spark plug for electrode erosion and excessive carbon or other deposits, and replace it if necessary.

Specified spark plug: NGK/CR6HSA 2. Clean the surface of the spark plug gasket and its mating surface, and then wipe off any grime from the spark plug threads. 3. @@Spark plug wrench To check the spark plug 1. @@@@Do not attempt to diagnose such problems yourself. @@@@4. Install the spark plug cap. 6 1. @@@@To check the engine oil level 1. Place the vehicle on the centerstand.

A slight tilt to the side can result in a false reading. 2. @@3. @@@@5. @@To change the engine oil 1. @@2. Place an oil pan under the engine to collect the used oil. 3. @@@@Dipstick 2. Maximum level mark 3.

Minimum level mark 1. Engine oil drain bolt 2. Oil pan 6-9 PERIODIC MAINTENANCE AND ADJUSTMENT 4. @@@@1. Remove panel A.

(See page 6-6.) 2. Remove the air filter case cover by removing the screws. 5. @@Oil change quantity: 1.

00 L (1.06 US qt, 0.88 Imp.qt) ECA11620 6. @@@@7. @@@@In addition, do not use oils labeled "ENERGY CONSERVING II" or higher. 6-10 1. Screw 2. Air filter case cover 3. Remove the air filter element.

PERIODIC MAINTENANCE AND ADJUSTMENT 1 1. Sponge material 2. Air filter element 1. Air filter element 6 4. Remove the sponge material from the air filter element. 5. Lightly tap the air filter element to remove most of the dust and dirt, and then blow the remaining dirt out with compressed air on the mesh side as shown. If the air filter element is damaged, replace it. 6. Clean the sponge material with solvent, then squeeze the remaining solvent out, and be sure to let the sponge material dry before installing it into the air filter element.

If the sponge material is damaged, replace it. WARNING! Use only a dedicated parts cleaning solvent. To avoid the risk of fire or explosion, do not use gasoline or solvents with a low flash point. [EWA10431] NOTICE: To avoid damaging the sponge material, handle it gently and carefully, and do not twist it. [ECA15101] 7.

Install the sponge material into the air filter element, and then install the air filter element into the air filter case. NOTICE: Make sure that the air filter element is properly seated in the air filter case. The engine should never be operated without the air filter element installed, otherwise the piston(s) and/or cylinder(s) may become excessively worn. [ECA10481] 8. Install the air filter case cover by installing the screws.

9. Check the hose at the bottom of the air filter case for accumulated dust or water, and if necessary, drain it by removing the clamp, and then removing the plug. 6-11 PERIODIC MAINTENANCE AND ADJUSTMENT EAU44734 EAU21370 Checking the engine idling speed Check the engine idling speed and, if necessary, have it corrected by a Yamaha dealer. Engine idling speed: 13001500 r/min 1. Clamp 2. Air filter check hose plug Adjusting the throttle cable free play 10. Install the plug into the check hose, and then install the clamp. 11. Install the panel. 1.

Throttle cable free play 2. Locknut 3. Adjusting nut The throttle cable free play should measure 3.07.0 mm (0.120.28 in) at the throttle grip. Periodically check the throttle cable free play and, if necessary, adjust it as follows. TIP The engine idling speed must be correctly adjusted before checking and adjusting the throttle cable free play. 1.

Loosen the locknut. 6 6-12 PERIODIC MAINTENANCE AND ADJUSTMENT 2. To increase the throttle cable free play, turn the adjusting nut in direction (a). To decrease the throttle cable free play, turn the adjusting nut in direction (b). 3.

Tighten the locknut. EAU21401 EAU21562 Valve clearance The valve clearance changes with use, resulting in improper air-fuel mixture and/or engine noise.

To prevent this from occurring, the valve clearance must be adjusted by a Yamaha dealer at the intervals specified in the periodic maintenance and lubrication chart. Tires To maximize the performance, durability, and safe operation of your motorcycle, note the following points regarding the specified tires. Tire air pressure The tire air pressure should be checked and, if necessary, adjusted before each ride.

EWA10501 WARNING Operation of this vehicle with improper tire pressure may cause severe injury or death from loss of control. @@@@Tire sidewall 2. Tire tread depth WARNING Never overload your vehicle. @@@@If any damage is found, have a Yamaha dealer replace the wheel. Do not attempt even the smallest repair to the wheel. A deformed or cracked wheel must be replaced. @@@@Locknut 2. Clutch lever free play adjusting bolt 3. Clutch lever free play 6 The clutch lever free play should measure 10.015.

0 mm (0.390.59 in) as shown. Periodically check the clutch lever free play and, if necessary, adjust it as follows. 1. Slide the rubber cover back at the clutch lever. 2. Loosen the locknut. 3. To increase the clutch lever free play, turn the adjusting bolt in direction (a).

To decrease the clutch lever free play, turn the adjusting bolt in direction (b). 6-15 PERIODIC MAINTENANCE AND ADJUSTMENT TIP If the specified clutch lever free play could be obtained as described above, skip steps 47. 4. Fully turn the adjusting bolt at the clutch lever in direction (a) to loosen the clutch cable. 5.

Loosen the locknut at the crankcase. 7. Tighten the locknut at the crankcase. 8. Tighten the locknut at the clutch lever and then slide the rubber cover to its original position.

EAUT1221 Checking the front brake lever free play 1. Brake lever free play The brake lever free play should measure 0.07.0 mm (0.000.28 in) as shown. Periodically check the brake lever free play and, if necessary, have a Yamaha dealer check the brake system. 1. Locknut (crankcase) 2. Clutch lever free play adjusting nut (crankcase) EWA10641 6 WARNING An incorrect brake lever free play indicates a hazardous condition in the brake system.

Do not operate the vehicle until the brake system has been checked or repaired by a Yamaha dealer. 6-16 6. To increase the clutch lever free play, turn the adjusting nut in direction (a). To decrease the clutch lever free play, turn the adjusting nut in direction (b). PERIODIC MAINTENANCE AND ADJUSTMENT EAU39812 EAU22292 Adjusting the brake pedal free play Adjusting the rear brake light switch 1. Brake pedal free play adjusting nut EWA10680 1. Brake pedal free play WARNING G 6 The brake pedal free play should measure 20.030.0 mm (0.



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18 in) at the brake pedal end as shown. Periodically check the brake pedal free play and, if necessary, adjust it as follows. To increase the brake pedal free play, turn the adjusting nut at the brake rod in direction (a). To decrease the brake pedal free play, turn the adjusting nut in direction (b). G G After adjusting the drive chain slack or removing and installing the rear wheel, always check the brake pedal free play.

If proper adjustment cannot be obtained as described, have a Yamaha dealer make this adjustment. After adjusting the brake pedal free play, check the operation of the brake light. 1. Rear brake light switch 2. Rear brake light switch adjusting nut The rear brake light, which is activated by the brake pedal, should come on just before braking takes effect.

If necessary, adjust the brake light switch as follows. 1. Remove panel A. (See page 6-6.) 2. Turn the adjusting nut while holding the rear brake light switch in place. To make the brake light come on earlier, turn the adjusting nut in direction (a). To make the brake light come on later, turn the adjusting nut in direction (b). 3. Install the panel.

6-17 PERIODIC MAINTENANCE AND ADJUSTMENT EAU22380 Checking the front brake pads and rear brake shoes The front brake pads and the rear brake shoes must be checked for wear at the intervals specified in the periodic maintenance and lubrication chart. EAU22430 indicator grooves have almost disappeared, have a Yamaha dealer replace the brake pads as a set. EAU43170 EAU37001 Checking the front brake fluid level Rear brake shoes 1 2 Front brake pads 1. Minimum level mark 1. Brake shoe wear limit mark 2. Brake shoe wear indicator 1. Brake pad wear indicator Each front brake pad is provided with wear indicator grooves, which allow you to check the brake pad wear without having to disassemble the brake. To check the brake pad wear, check the wear indicator grooves. If a brake pad has worn to the point that the wear The rear brake is provided with a wear indicator, which allows you to check the brake shoe wear without having to disassemble the brake. To check the brake shoe wear, check the position of the wear indicator while applying the brake.

If a brake shoe has worn to the point that the wear indicator reaches the wear limit mark, have a Yamaha dealer replace the brake shoes as a set. 6-18 Insufficient brake fluid may allow air to enter the brake system, possibly causing it to become ineffective. Before riding, check that the brake fluid is above the minimum level mark and replenish if necessary. A low brake fluid level may indicate worn brake pads and/or brake system leakage. If the brake fluid level is low, be sure to check the brake pads for wear and the brake system for leakage.

Observe these precautions: 6 PERIODIC MAINTENANCE AND ADJUSTMENT G G When checking the fluid level, make sure that the top of the master cylinder is level by turning the handlebars. Use only the recommended quality brake fluid, otherwise the rubber seals may deteriorate, causing leakage and poor braking performance. G G Brake fluid may deteriorate painted surfaces or plastic parts. Always clean up spilled fluid immediately. As the brake pads wear, it is normal for the brake fluid level to gradually go down.

However, if the brake fluid level goes down suddenly, have a Yamaha dealer check the cause. EAU22721 Changing the brake fluid Have a Yamaha dealer change the brake fluid at the intervals specified in the TIP after the periodic maintenance and lubrication chart. In addition, have the oil seals of the brake master cylinder and caliper as well as the brake hose replaced at the intervals listed below or whenever they are damaged or leaking. G Oil seals: Replace every two years. G Brake hose: Replace every four years. Recommended brake fluid: DOT 4 6 TIP If DOT 4 is not available, DOT 3 can be used. G G Refill with the same type of brake fluid. Mixing fluids may result in a harmful chemical reaction and lead to poor braking performance. Be careful that water does not enter the master cylinder when refilling. Water will significantly lower the boiling point of the fluid and may result in vapor lock.

6-19 PERIODIC MAINTENANCE AND ADJUSTMENT EAU22760 Drive chain slack The drive chain slack should be checked before each ride and adjusted if necessary. EAU22793 Drive chain slack: 20.030.0 mm (0.791.18 in) 5. If the drive chain slack is incorrect, adjust it as follows. EAU37113 To check the drive chain slack 1. Place the motorcycle on the centerstand. 2.

Shift the transmission into the neutral position. 3. Spin the rear wheel several times to locate the tightest portion of the drive chain. 4. Measure the drive chain slack as shown.

To adjust the drive chain slack 1. Loosen the brake pedal free play adjusting nut, brake torque rod nut, and axle nut. 3. To tighten the drive chain, turn the drive chain slack adjusting bolt at each end of the swingarm in direction (a). To loosen the drive chain, turn the adjusting bolt at each end of the swingarm in direction (b), and then push the rear wheel forward.

NOTICE: Improper drive chain slack will overload the engine as well as other vital parts of the motorcycle and can lead to chain slippage or breakage. To prevent this from occurring, keep the drive chain slack within the specified limits. [ECA10571] TIP Using the alignment marks on each side of the swingarm, make sure that both chain pullers are in the same position for proper wheel alignment. 6 1. 2. 3. 4. 5. 1. Drive chain slack Drive chain slack adjusting bolt Chain puller locknut Axle nut Brake torque rod nut Brake pedal free play adjusting nut 2.

Loosen the chain puller locknut at each end of the swingarm. 6-20 PERIODIC MAINTENANCE AND ADJUSTMENT EWA10660 EAU23023 WARNING After adjusting the brake pedal free play, check the operation of the brake light. Cleaning and lubricating the drive chain The drive chain must be cleaned and lubricated at the intervals specified in the periodic maintenance and lubrication chart, otherwise it will quickly wear out, especially when riding in dusty or wet areas. Service the drive chain as follows. ECA10581 1. Alignment marks 2. Chain puller locknut 3. Drive chain slack adjusting bolt NOTICE The drive chain must be lubricated after washing the motorcycle and riding in the rain. 1. Clean the drive chain with kerosene and a small soft brush.

NOTICE: To prevent damaging the O-rings, do not clean the drive chain with steam cleaners, high-pressure washers or inappropriate solvents. [ECA11121] 2. Wipe the drive chain dry. 3. Thoroughly lubricate the drive chain with a special O-ring chain lubricant.

NOTICE: Do not use engine oil or any other lubricants for the drive chain, as they 6-21 6 4. Tighten both locknuts, and then tighten the axle nut and brake torque rod nut to their specified torques. Tightening torques: Axle nut: 80 Nm (8.0 m-kgf, 58 ft-lbf) Brake torque rod nut: 19 Nm (1.



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9 m.kgf, 13 ft.lbf) 5.

Adjust the brake pedal free play. (See page 6-17.) PERIODIC MAINTENANCE AND ADJUSTMENT may contain substances that could damage the O-rings. [ECA11111] EAU23101 EAU23111 Checking and lubricating the cables The operation of all control cables and the condition of the cables should be checked before each ride, and the cables and cable ends should be lubricated if necessary. If a cable is damaged or does not move smoothly, have a Yamaha dealer check or replace it. WARNING! Damage to the outer sheath may interfere with proper cable operation and will cause the inner cable to rust. Replace a damaged cable as soon as possible to prevent unsafe conditions. [EWA10721] Recommended lubricant: Engine oil Checking and lubricating the throttle grip and cable The operation of the throttle grip should be checked before each ride. In addition, the cable should be lubricated at the intervals specified in the periodic maintenance chart. 6 6-22 PERIODIC MAINTENANCE AND ADJUSTMENT EAU44271 EAU23142 Checking and lubricating the brake and shift pedals Recommended lubricant: Lithium-soap-based grease Checking and lubricating the brake and clutch levers Brake lever Clutch lever 6 The operation of the brake and shift pedals should be checked before each ride, and the pedal pivots should be lubricated if necessary.

The operation of the brake and clutch levers should be checked before each ride, and the lever pivots should be lubricated if necessary. 6-23 PERIODIC MAINTENANCE AND ADJUSTMENT EAU23213 Recommended lubricants: Brake lever: Silicone grease Clutch lever: Lithium-soap-based grease Checking and lubricating the centerstand and sidestand Recommended lubricant: Lithium-soap-based grease The operation of the centerstand and sidestand should be checked before each ride, and the pivots and metal-to-metal contact surfaces should be lubricated if necessary. EWA10741 6 WARNING If the centerstand or sidestand does not move up and down smoothly, have a Yamaha dealer check or repair it. Otherwise, the centerstand or sidestand could contact the ground and distract the operator, resulting in a possible loss of control. 6-24 PERIODIC MAINTENANCE AND ADJUSTMENT EAUM1650 EAU23272 Lubricating the swingarm pivots The swingarm pivots must be lubricated at the intervals specified in the periodic maintenance and lubrication chart. Recommended lubricant: Lithium-soap-based grease Checking the front fork The condition and operation of the front fork must be checked as follows at the intervals specified in the periodic maintenance and lubrication chart. To check the condition Check the inner tubes for scratches, damage and excessive oil leakage. ECA10590 6 To check the operation 1. Place the vehicle on a level surface and hold it in an upright position. WARNING! To avoid injury, securely support the vehicle so there is no danger of it falling over.

[EWA10751] 2. While applying the front brake, push down hard on the handlebars several times to check if the front fork compresses and rebounds smoothly. NOTICE If any damage is found or the front fork does not operate smoothly, have a Yamaha dealer check or repair it. 6-25 PERIODIC MAINTENANCE AND ADJUSTMENT EAU45511 EAU23290 EAU23385 Checking the steering Worn or loose steering bearings may cause danger. Therefore, the operation of the steering must be checked as follows at the intervals specified in the periodic maintenance and lubrication chart.

1. Place the vehicle on the centerstand. WARNING! To avoid injury, securely support the vehicle so there is no danger of it falling over. [EWA10751] 2. Hold the lower ends of the front fork legs and try to move them forward and backward.

If any free play can be felt, have a Yamaha dealer check or repair the steering. Checking the wheel bearings The front and rear wheel bearings must be checked at the intervals specified in the periodic maintenance and lubrication chart. If there is play in the wheel hub or if the wheel does not turn smoothly, have a Yamaha dealer check the wheel bearings. Battery 1. Battery 2. Negative battery terminal 3. Positive battery terminal The battery is located behind panel B. (See page 6-6.) This model is equipped with a VRLA (Valve Regulated Lead Acid) battery. There is no need to check the electrolyte or to add distilled water.

However, the battery lead connections need to be checked and, if necessary, tightened. ECA10620 6 NOTICE Never attempt to remove the battery cell seals, as this would permanently damage the battery. 6-26 PERIODIC MAINTENANCE AND ADJUSTMENT EWA10760 WARNING G G G Electrolyte is poisonous and dangerous since it contains sulfuric acid, which causes severe burns. Avoid any contact with skin, eyes or clothing and always shield your eyes when working near batteries. In case of contact, administer the following FIRST AID. · EXTERNAL: Flush with plenty of water. · INTERNAL: Drink large quantities of water or milk and immediately call a physician. · EYES: Flush with water for 15 minutes and seek prompt medical attention. Batteries produce explosive hydrogen gas. Therefore, keep sparks, flames, cigarettes, etc.

, away from the battery and provide sufficient ventilation when charging it in an enclosed space. KEEP THIS AND ALL BATTERIES OUT OF THE REACH OF CHILDREN. battery, be sure the key is turned to "OFF", then disconnect the negative lead before disconnecting the positive lead. [ECA16302] To charge the battery Have a Yamaha dealer charge the battery as soon as possible if it seems to have discharged. Keep in mind that the battery tends to discharge more quickly if the vehicle is equipped with optional electrical accessories.

ECA16520 NOTICE To charge a VRLA (Valve Regulated Lead Acid) battery, a special (constant-voltage) battery charger is required. Using a conventional battery charger will damage the battery. If you do not have access to a constant-voltage battery charger, have a Yamaha dealer charge your battery. To store the battery 1. If the vehicle will not be used for more than one month, remove the battery, fully charge it, and then place it in a cool, dry place.

NOTICE: When removing the 6-27 2. If the battery will be stored for more than two months, check it at least once a month and fully charge it if necessary. 3. Fully charge the battery before installation. 4. After installation, make sure that the battery leads are properly connected to the battery terminals. ECA16530

NOTICE Always keep the battery charged. Storing a discharged battery can cause permanent battery damage. PERIODIC MAINTENANCE AND ADJUSTMENT EAU43212 Replacing the fuse The fuse is located behind panel B. (See page 6-6.

) To access the fuse, remove the starter relay coupler. The spare fuse is located on the rear of the starter relay holder. To access the spare fuse, remove the starter relay (together with its holder) by pulling it out, then turn the starter relay over.



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Specified fuse: 15.0 A 3. Turn the key to "ON" and turn on the electrical circuits to check if the devices operate. 4. If the fuse immediately blows again, have a Yamaha dealer check the electrical system. 1. Starter relay coupler 1.

Spare fuse 6 1. Fuse If the fuse is blown, replace it as follows. 1. Turn the key to "OFF" and turn off all electrical circuits. 2.

Remove the blown fuse, and then install a new fuse of the specified amperage. **WARNING!** Do not use a fuse of a higher amperage rating than recommended to avoid causing extensive damage to the electrical system and possibly a fire. [EWA15131] 6-28 PERIODIC MAINTENANCE AND ADJUSTMENT EAU43191 Replacing the headlight bulb This model is equipped with a quartz bulb headlight. If the headlight bulb burns out, replace it as follows. ECA10660 1 NOTICE Do not touch the glass part of the headlight bulb to keep it free from oil, otherwise the transparency of the glass, the luminosity of the bulb, and the bulb life will be adversely affected.

Thoroughly clean off any dirt and fingerprints on the headlight bulb using a cloth moistened with alcohol or thinner. 1. Screw 1. Headlight bulb socket 2. Remove the headlight bulb socket cover. 4. Remove the burnt out bulb by pushing it in and turning it counterclockwise. 6 1. Headlight bulb socket cover 1. Do not touch the glass part of the bulb.

3. Remove the headlight bulb socket (together with the bulb) by turning it counterclockwise. 1. Headlight bulb 1. Remove the headlight unit by removing the screws. 6-29 5. Insert a new bulb into the socket, push it in, and then turn it clockwise until it stops. PERIODIC MAINTENANCE AND ADJUSTMENT 6. Install the socket (together with the bulb) by turning it clockwise. 7.

Install the headlight bulb socket cover. 8. Install the headlight unit by installing the screws. 9. Have a Yamaha dealer adjust the headlight beam if necessary. EAU24133 Replacing the tail/brake light bulb 1. Remove the tail/brake light lens by removing the screws. 1. Tail/brake light bulb 1. Screw 2.

Remove the burnt-out bulb by pushing it in and turning it counterclockwise. 3. Insert a new bulb into the socket, push it in, and then turn it clockwise until it stops. 4. Install the lens by installing the screws. **NOTICE:** Do not overtighten the screws, otherwise the lens may break. [ECA10681] 6 6-30 PERIODIC MAINTENANCE AND ADJUSTMENT EAU24204 EAU37271 Replacing a turn signal light bulb 1. Remove the turn signal light lens by removing the screw. Replacing the auxiliary light bulb If the auxiliary light bulb burns out, replace it as follows. 1.

Remove the headlight unit by removing the screws. 1. Auxiliary light bulb socket 1 1. Screw 3. Remove the burnt out bulb by pulling it out. 6 2. Remove the burnt-out bulb by pushing it in and turning it counterclockwise. 3. Insert a new bulb into the socket, push it in, and then turn it clockwise until it stops. 4. Install the lens by installing the screw. **NOTICE:** Do not overtighten the screw, otherwise the lens may break. [ECA11191] 1. Screw 2. Remove the socket (together with the bulb) by pulling it out.

1. Auxiliary light bulb 4. Insert a new bulb into the socket. 5. Install the socket (together with the bulb) by pushing it in.

6. Install the headlight unit by installing the screws. 6-31 PERIODIC MAINTENANCE AND ADJUSTMENT EAU24360 Front wheel EAU37042 To remove the front wheel EWA10821 **WARNING!** To avoid injury, securely support the vehicle so there is no danger of it falling over. 1. Place the motorcycle on the centerstand. 2. Disconnect the speedometer cable from the front wheel. 1. Rubber cap 2. Axle nut 3.

Washer 5. Pull the wheel axle out, and then remove the wheel. **NOTICE:** Do not apply the brake after the wheel has been removed together with the brake disc, otherwise the brake pads will be forced shut. [ECA11071] EAU37030 To install the front wheel 1. Install the speedometer gear unit into the wheel hub so that the projections mesh with the slots. 4. Remove the axle nut and the washer. 6 1. Speedometer gear unit 1. Speedometer cable 1.

Rubber cap 2. Wheel axle 3. Washer 3. Remove the rubber caps from the ends of the wheel axle by pulling them off. 2.

Lift the wheel up between the fork legs. 6-32 PERIODIC MAINTENANCE AND ADJUSTMENT TIP Make sure that there is enough space between the brake pads before inserting the brake disc and that the slot in the speedometer gear unit fits over the retainer on the fork leg. 5. Tighten the axle nut to the specified torque, and then install both rubber caps so that they fit over the washers. Tightening torque: Axle nut: 59 Nm (5.

9 m·kgf, 43 ft·lbf) EAU25080 Rear wheel EAU37181 To remove the rear wheel EWA10821 **WARNING!** To avoid injury, securely support the vehicle so there is no danger of it falling over. 1. Loosen the axle nut and the brake torque rod nut at the brake shoe plate. 2. Disconnect the brake torque rod from the brake shoe plate by removing the cotter pin, the nut, and the bolt. 6. While applying the front brake, push down hard on the handlebars several times to check if the front fork compresses and rebounds smoothly. 7. Connect the speedometer cable. 6 1.

Speedometer gear unit retainer 3. Insert the wheel axle, making sure the washer on the left side is installed with the beveled side facing outward, and then install the axle nut. 4. Take the motorcycle off the centerstand so that the front wheel is on the ground. 6-33 PERIODIC MAINTENANCE AND ADJUSTMENT 6. Remove the axle nut, and then pull the wheel axle out. 7. Push the wheel forward, and then remove the drive chain from the rear sprocket.

TIP The drive chain does not need to be disassembled in order to remove and install the wheel. 1.

2. 3. 4. Axle nut Brake torque rod Brake torque rod cotter pin Brake torque rod nut and bolt 1. Brake pedal free play adjusting nut 2.

Brake rod 3. Brake camshaft lever 8. Remove the wheel. EAU37192 3. Place the motorcycle on the centerstand.

4. Remove the brake pedal free play adjusting nut, and then disconnect the brake rod from the brake camshaft lever. 5. Loosen the chain puller locknut and the drive chain slack adjusting bolt on both ends of the swingarm. 1. Wheel axle 2. Chain puller locknut 3. Drive chain slack adjusting bolt To install the rear wheel 1. Install the wheel by inserting the wheel axle from the left-hand side. 2.

Install the drive chain onto the rear sprocket. 3. Install the axle nut. 4. Install the brake rod onto the brake camshaft lever, and then install the brake pedal free play adjusting nut onto the brake rod. 5. Connect the brake torque rod to the brake shoe plate by installing the bolt and nut. 6. Adjust the drive chain slack. (See page 6-20.

) 6-34 PERIODIC MAINTENANCE AND ADJUSTMENT 7. Take the motorcycle off the centerstand so that the rear wheel is on the ground. 8. Tighten the brake torque rod nut and axle nut to the specified torques. Tightening torques: Brake torque rod nut: 19 Nm (1.



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