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You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA YZF-R125. You'll find the answers to all your questions on the YAMAHA YZF-R125 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual YAMAHA YZF-R125
User guide YAMAHA YZF-R125
Operating instructions YAMAHA YZF-R125
Instructions for use YAMAHA YZF-R125
Instruction manual YAMAHA YZF-R125



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Manual abstract:

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! **IMPORTANT MANUAL INFORMATION EAU10151** Particularly important information is distinguished in this manual by the following notations: The Safety Alert Symbol means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!** Failure to follow **WARNING** instructions could result in severe injury or death to the motorcycle operator, a bystander, or a person inspecting or repairing the motorcycle. @@@@If you have any questions concerning this manual, please consult your Yamaha dealer. EWA10030 **WARNING PLEASE READ THIS MANUAL CAREFULLY AND COMPLETELY BEFORE OPERATING THIS MOTORCYCLE.** *Product and specifications are subject to change without notice. **IMPORTANT MANUAL INFORMATION EAUM1010 YZF-R125 OWNER'S MANUAL ©2007 by MBK INDUSTRIE 1st edition, November 2007 All rights reserved Any reprinting or unauthorized use without the written permission of MBK INDUSTRIE is expressly prohibited. Printed in France. TABLE OF CONTENTS SAFETY INFORMATION ..**

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.9-1 SAFETY INFORMATION EAU10281 1 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 THE OWNER'S MANUAL. G OBTAIN QUALIFIED TRAINING IN SAFE AND PROPER RIDING TECHNIQUES. G OBTAIN PROFESSIONAL TECHNICAL SERVICE AS INDICATED BY THE OWNER'S MANUAL AND/OR WHEN MADE NECESSARY BY MECHANICAL CONDITIONS. G Safe riding G Always make pre-operation checks. Careful checks may help prevent an accident. 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 · 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 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. 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.



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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* Never touch the engine or exhaust system during or after operation.

They become very hot and can cause burns. Always wear protective clothing that covers your legs, ankles, and feet. A passenger should also observe the above precautions. *I* Modifications Modifications made to this motorcycle not approved by Yamaha, or the removal of original equipment, may render the motorcycle unsafe for use and may cause severe personal injury. Modifications may also make your motorcycle illegal to use. Loading and accessories Adding accessories or cargo to your motorcycle can adversely affect stability and handling if the weight distribution of the motorcycle is changed. To avoid the possibility of an accident, use extreme caution when adding cargo or accessories to your motorcycle. Use extra care when riding a motorcycle that has added cargo or accessories. Here are some general guidelines to follow if loading cargo or adding accessories to your motorcycle: *I-2 SAFETY INFORMATION* Loading The total weight of the operator, passenger, accessories and cargo must not exceed the maximum load limit. Maximum load: 185 kg (408 lb) *I* When loading within this weight limit, keep the following in mind: *G* Cargo and accessory weight should be kept as low and close to the motorcycle as possible.

Make sure to distribute the weight as evenly as possible on both sides of the motorcycle to minimize imbalance or instability. *G* Shifting weights can create a sudden imbalance. Make sure that accessories and cargo are securely attached to the motorcycle before riding. Check accessory mounts and cargo restraints frequently. *G* Never attach any large or heavy items to the handlebar, front fork, or front fender.

These items, including such cargo as sleeping bags, duffel bags, or tents, can create unstable handling or a slow steering response. Accessories Genuine Yamaha accessories have been specifically designed for use on this motorcycle. Since Yamaha cannot test all other accessories that may be available, you must personally be responsible for the proper selection, installation and use of non-Yamaha accessories. *NS EAU10460 EAU10660* Main switch/steering lock *OFF* All electrical systems are off. The key can be removed. *EAU10690* To unlock the steering *LOCK* The steering is locked, and all electrical systems are off. The key can be removed. To lock the steering The main switch/steering lock controls the ignition and lighting systems, and is used to lock the steering. The various positions are described below. *EAU36870* *3* *1*. Push. *2*. Turn. Push the key into the main switch, and then turn it to "OFF" while still pushing it.

EWA10060 *ON* All electrical circuits are supplied with power, the meter The multi-function display is equipped with the following: *G* a speedometer (which shows the riding speed) *G* an odometer (which shows the total distance traveled) *G* two tripmeters (which show the distance traveled since they were last set to zero) *G* a fuel reserve tripmeter (which shows the distance traveled since the fuel level warning light came on) *G* a fuel meter *3-3 INSTRUMENT AND CONTROL FUNCTIONS* switches the display between the various tripmeter and odometer modes in the following order: *F-TRIP TRIP 1 TRIP 2 ODO F-TRIP* To reset a tripmeter, select it by pushing the "RESET/SELECT" button briefly (less than one second), and then push the button again for at least three seconds while the selected tripmeter is flashing. If you do not reset the fuel reserve tripmeter manually, it will reset itself automatically and the display will return to the prior mode after refueling and traveling 5 km (3 mi).

Fuel meter The fuel meter indicates the amount of fuel in the fuel tank. The display segments of the fuel meter disappear towards "E" (Empty) as the fuel level decreases. When the last fuel meter segment starts flashing, refuel as soon as possible. *EAU12347* Handlebar switches Left *3* *1*. *2*. *3*. *4*. Pass switch "PASS" Dimmer switch " / " Turn signal switch " / " Horn switch " / " Right *1*. Fuel meter *1*. Engine stop switch " *2*.

Start switch " *3-4* / " *INSTRUMENT AND CONTROL FUNCTIONS* *EAU12360 EAU12710 EAU12820* Pass switch "PASS" Press this switch to flash the headlight. *EAU12400* Start switch " / " Push this switch to crank the engine with the starter. *ECA10050* Clutch lever Dimmer switch " / " Set this switch to " / " for the high beam and to " / " for the low beam. *EAU12460* CAUTION: See page 5-1 for starting instructions prior to starting the engine. *3* 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* *1*. Clutch lever Horn switch " / " Press this switch to sound the horn.

EAU12660 Engine stop switch " / " Set this switch to " / " before starting the engine. Set this switch to " / " to stop the engine in case of an emergency, such as when the vehicle overturns or when the throttle cable is stuck. *3-5* 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 3-10.) *INSTRUMENT AND CONTROL FUNCTIONS* *EAU12870 EAU12890 EAU12941* Shift pedal Brake lever Brake pedal *3* *1*. Shift pedal *1*.

Brake lever *1*. Brake pedal 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 6-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. The brake pedal is on the right side of the motorcycle. To apply the rear brake, press down on the brake pedal. *3-6*

INSTRUMENT AND CONTROL FUNCTIONS *EAUM2080 EAU13211* Fuel tank cap NOTE: 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. *EWA11140* Fuel WARNING Make sure that the fuel tank cap is properly installed before riding. *1*.

Fuel tank cap lock cover *2*. Unlock. *1*. Fuel tank filler tube *2*. Fuel level *3* To remove the fuel tank cap *1*. Open the fuel tank cap lock cover. *2*.



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Insert the key into the lock and turn it 1/4 turn counterclockwise. 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 clockwise to the original position, and then remove it. 3. Close the lock cover. Make sure that there is sufficient fuel in the tank. Fill the fuel tank to the bottom of the filler tube as shown. EWA10880 WARNING G G Do not overfill the fuel tank, otherwise it may overflow when the fuel warms up and expands. Avoid spilling fuel on the hot engine. 3-7 INSTRUMENT AND CONTROL FUNCTIONS ECA10070 CAUTION: Immediately wipe off spilled fuel with a clean, dry, soft cloth, since fuel may deteriorate painted surfaces or plastic parts.

3 EAU43420 curs, use a gasoline of a different brand. Use of unleaded fuel will extend spark plug life and reduce maintenance costs. EAU13442 Catalytic converters This vehicle is equipped with catalytic converters in the exhaust system. EWA10860 WARNING The exhaust system is hot after operation. Make sure that the exhaust system has cooled down before doing any maintenance work. ECA10700 Recommended fuel: PREMIUM UNLEADED GASOLINE ONLY Fuel tank capacity: 13.8 L (3.65 US gal) (3.04 Imp.gal) Fuel reserve amount (when the fuel level warning indicator comes on): 1. 6 L (0.42 US gal) (0.35 Imp.gal) ECA11400 CAUTION: The following precautions must be observed to prevent a fire hazard or other damages. G Use only unleaded gasoline.

The use of leaded gasoline will cause unrepairable damage to the catalytic converter. G Never park the vehicle near possible fire hazards such as grass or other materials that easily burn. G Do not allow the engine to idle too long. CAUTION: 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 premium unleaded gasoline with a research octane number of 95 or higher. If knocking (or pinging) oc3-8 INSTRUMENT AND CONTROL FUNCTIONS EAUM2460 EAUM2311 Rider seat To remove the rider seat 1. Insert the key into the seat lock, and then turn it clockwise. Anti-theft device housing 3 1. Projection 2. Seat holder 1. Anti-theft device housing 1. Seat lock 2. Open. 2.

Push the rear of the rider seat down to lock it in place. 3. Turn the key counterclockwise, and then remove it. NOTE: Make sure that the rider seat is properly secured before riding. The anti-theft device housing, located under the rider seat, is designed to hold a genuine Yamaha CYCLELOK. (See page 3-9 for seat removal and installation procedures.) NOTE: Some locks cannot fit into the housing due to their size or shape. 2. Pull the rider seat off. To install the rider seat 1.

Insert the projection on the front of the rider seat into the seat holder as shown. 3-9 INSTRUMENT AND CONTROL FUNCTIONS EAU15301 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. NOTE: 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 below and have a Yamaha dealer repair it if it does not function properly. EAU44890 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. EWA10250 3 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 3-10 WARNING If a malfunction is noted, have a Yamaha dealer check the system before riding. INSTRUMENT AND CONTROL FUNCTIONS With the engine turned off: 1. Move the sidestand down. 2. Make sure that the engine stop switch is turned on. 3. Turn the key on.

4. Shift the transmission into the neutral position. 5. Push the start switch. Does the engine start? YES With the engine still running: 6. Move the sidestand up. 7. Keep the clutch lever pulled. 8. Shift the transmission into gear. 9. Move the sidestand down. Does the engine stall? NO The neutral switch may be defective. The motorcycle should not be ridden until checked by a Yamaha dealer. 3 YES After the engine has stalled: 10. Move the sidestand up. 11. Keep the clutch lever pulled. 12. Push the start switch.

Does the engine start? NO The sidestand switch may be defective. The motorcycle should not be ridden until checked by a Yamaha dealer. YES NO The clutch switch may be defective. The motorcycle should not be ridden until checked by a Yamaha dealer. The system is OK. The motorcycle can be ridden. 3-11 PRE-OPERATION CHECKS EAU15593 The condition of a vehicle is the owner's responsibility. Vital components can start to deteriorate quickly and unexpectedly, even if the vehicle remains unused (for example, as a result of exposure to the elements). Any damage, fluid leakage or loss of tire air pressure could have serious consequences. Therefore, it is very important, in addition to a thorough visual inspection, to check the following points before each ride.

NOTE: Pre-operation checks should be made each time the vehicle is used. Such an inspection can be accomplished in a very short time; and the added safety it assures is more than worth the time involved. 4 EWA11150 WARNING If any item in the Pre-operation check list is not working properly, have it inspected and repaired before operating the vehicle. 4-1 PRE-OPERATION CHECKS EAU15605 Pre-operation check list 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 coolant level in reservoir. · If necessary, add recommended coolant to specified level. · Check cooling system for leakage. Check operation.



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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. 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. Check operation. Lubricate cable if necessary. Check lever free play. Adjust if necessary.

CHECKS PAGE 3-7 Engine oil 6-9 Coolant 6-12 4 Front brake 6-20, 6-21 Rear brake 6-20, 6-21 Clutch 6-19 4-2 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 6-15, 6-25 Control cables 6-24 Drive chain 6-22, 6-24 4 Wheels and tires 6-16, 6-18 Brake and shift pedals Brake and clutch levers Sidestand Chassis fasteners Instruments, lights, signals and switches Sidestand switch Battery · 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 pivot 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 defective, have Yamaha dealer check vehicle. · Check fluid level. · Fill with distilled water if necessary. 6-25 6-26 6-26 -- -- 3-10 6-29 4-3 OPERATION AND IMPORTANT RIDING

POINTS EAU15950 EAUM2320 Starting the engine EWA10270 WARNING G G G Become thoroughly familiar with all operating controls and their functions before riding. Consult a Yamaha dealer regarding any control or function that you do not thoroughly understand. Never start the engine or operate it in a closed area for any length of time.

Exhaust fumes are poisonous, and inhaling them can cause loss of consciousness and death within a short time. Always make sure that there is adequate ventilation. Before starting out, make sure that the sidestand is up. If the sidestand is not raised completely, it could contact the ground and distract the operator, resulting in a possible loss of control. 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. EWA10290 High beam indicator light Coolant temperature warning light G Engine trouble warning light If a warning or indicator light does not go off, see page 3-2 for the corresponding warning and indicator light circuit check. G G 2. Shift the transmission into the neutral position. NOTE: When the transmission is in the neutral position, the neutral indicator light should be on, otherwise have a Yamaha dealer check the electrical circuit.

3. Start the engine by pushing the start switch. NOTE: If the engine fails to start, release the start switch, wait a few seconds, and then try again. Each starting attempt should be as short as possible to preserve the battery. Do not crank the engine more than 10 seconds on any one attempt.

WARNING G G Before starting the engine, check the function of the ignition circuit cut-off system according to the procedure described on page 3-10. Never ride with the sidestand down. 5 1. Turn the key to "ON" and make sure that the engine stop switch is set to " ". ECAMI100 CAUTION: The following warning lights and indicator light should come on for a few seconds, then go off.

G Neutral indicator light G Turn signal indicator light 5-1 OPERATION AND IMPORTANT RIDING POINTS ECA11040 EAU16671 ECA10260 CAUTION: For maximum engine life, never accelerate hard when the engine is cold! NOTE: The engine is warm when it quickly responds to the throttle. Shifting CAUTION: 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. NOTE: 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.

5-2 OPERATION AND IMPORTANT RIDING POINTS EAU16810 EAU16830 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). 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. EAU16980 5001000 km (300-600 mi) Avoid prolonged operation above 8000 r/min. Rev the engine freely through the gears, but do not use full throttle at any time. ECA10320 CAUTION: After 1000 km (600 mi) of operation, the engine oil must be changed, the oil filter cartridge or element replaced, and the oil strainer cleaned. 1000 km (600 mi) and beyond The vehicle can now be operated normally.

ECA10310 5 CAUTION: 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. 5-3 OPERATION AND IMPORTANT RIDING POINTS EAU17212 Parking When parking, stop the engine, and then remove the key from the main switch. EWA10310 WARNING G 5 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. Do not park on a slope or on soft ground, otherwise the vehicle may overturn. ECA10380 CAUTION: Never park in an area where there are fire hazards such as grass or other flammable materials. 5-4 PERIODIC MAINTENANCE AND MINOR REPAIR EAU17240 EAU17360 EWA10350 Owner's tool kit Safety is an obligation of the owner. Periodic inspection, adjustment and lubrication will keep your vehicle in the safest and most efficient condition possible. The most important points of 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.

EWA10320 WARNING Modifications not approved by Yamaha may cause loss of performance and render the vehicle unsafe for use. Consult a Yamaha dealer before attempting any changes. 1. Owner's tool kit 2. Engine oil drain attachment WARNING If you are not familiar with maintenance work, have a Yamaha dealer do it for you. The owner's tool kit is located under the rider seat. (See page 3-9.) 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. NOTE: If you do not have the tools or experience required for a particular job, have a Yamaha dealer perform it for you.

6-1 6 PERIODIC MAINTENANCE AND MINOR REPAIR EAU17715 Periodic maintenance and lubrication chart NOTE: 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. G From 30000 km (17500 mi), repeat the maintenance intervals starting from 6000 km (3500 mi). G Items marked with an asterisk should be performed by a Yamaha dealer as they require special tools, data and technical skills. 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 * Air filter element · Check valve clearance. · Adjust. · Clean. · Replace. · Check electrolyte level and specific gravity. · Make sure that the breather hose is properly routed. · Check operation. · Adjust. 5 * Battery 6 Clutch 6-2 PERIODIC MAINTENANCE AND MINOR REPAIR 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 7 * Front brake · Check operation, fluid level and vehicle for fluid leakage. · Replace brake pads. Whenever worn to the limit 8 * Rear brake · Check operation, fluid level and vehicle for fluid leakage.

· Replace brake pads. Whenever worn to the limit 9 * Brake hoses 10 * Wheels · 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 operation and for excessive play.

· Lubricate with lithium-soap-based grease. · Check chain slack, alignment and condition. · Adjust and lubricate chain with a special O-ring chain lubricant thoroughly. Every 4 years 11 * Tires 6 12 * Wheel bearings 13 * Swingarm Every 24000 km (14000 mi) 14 Drive chain Every 1000 km (600 mi) and after washing the motorcycle or riding in the rain 6-3 PERIODIC MAINTENANCE AND MINOR REPAIR 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 15 * Steering bearings · 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 absorber for oil leakage. · Check operation. · Lubricate with lithium-soap-based grease. · Adjust engine idling speed. · Change. (See page 3-2.) Every 24000 km (14000 mi) 16 * Chassis fasteners 17 Sidestand 18 * Sidestand switch 19 * Front fork 6 20 * Shock absorber assembly Rear suspension relay arm and connecting arm pivoting points 21 * 22 * Fuel injection 23 Engine oil 2000 km (1200 mi) after the initial 1000 km (600 mi) and every 3000 km (1800 mi) thereafter Every 3000 km (1800 mi) · Check oil level and vehicle for oil leakage. · Replace. 24 Engine oil filter element 6-4 PERIODIC MAINTENANCE AND MINOR REPAIR 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 25 * Cooling system Front and rear brake 26 * switches 27 Moving parts and cables · Check coolant level and vehicle for coolant leakage. · Change. · Check operation. · Lubricate. · 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. Every 3 years Throttle grip hous28 * ing and cable 29 * Lights, signals and switches EAUM2070 6 NOTE:

G The air filter needs more frequent service if you are riding in unusually wet or dusty areas.

G Hydraulic brake service · Regularly check and, if necessary, correct the brake fluid level.



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· Every two years change the brake fluid. · Replace the brake hoses every four years and if cracked or damaged. 6-5 PERIODIC MAINTENANCE AND MINOR REPAIR EAU18731 EAU18790 Removing and installing the cowlings and panel Cowling A To remove the cowling Remove the screws, and then take the cowling off. 2.

Remove the screws, slide the cowling forward, and then take it off. 3. Disconnect the turn signal light lead coupler. 6 1. 2.

3. 4. 5. Cowling A Cowling B Cowling C Cowling D Panel A 1. Screw 2. Cowling A 1. Screw 2. Cowling B The cowlings and panel shown need to be removed to perform some of the maintenance jobs described in this chapter. Refer to this section each time a cowling or panel needs to be removed and installed. To install the cowling Place the cowling in the original position, and then install the screws.

EAUM2350 Cowling B To remove the cowling 1. Remove cowling A and panel A. To install the cowling 1. Connect the turn signal light lead coupler. 2. Fit the projection on the cowling into the slot, and then slide the cowling backward. 3. Install the screws. 4. Install cowling A and panel A.

6-6 PERIODIC MAINTENANCE AND MINOR REPAIR EAU18851 Cowling C To remove the cowling Remove the screws, and then pull the cowling off as shown. 2. Remove the screws and the quick fasteners, and then take the cowling off. NOTE: The quick fastener is removed by pushing the center pin in with a screwdriver, then pulling the fastener out. NOTE: To install the quick fasteners, push the center pin out so that it will protrude from the fastener head, insert the fastener into the cowling, and then push the protruding pin in until it is flush with the fastener head.

2. Install cowlings C, B, A and panel A. EAUM2370 Panel A To remove the panel 1. Remove the rider seat. (See page 3-9.

) 2. Remove the screws, and then take the panel off. 1. Screw 2. Cowling C 6 To install the cowling Place the cowling in the original position, and then install the screws. EAUM2360 1. Quick fastener 2. Screw 3. Cowling D Cowling D To remove the cowling 1. Remove panel A, cowlings A, B and C.

To install the cowling 1. Place the cowling in the original position, and then install the screws and the quick fasteners. 6-7 PERIODIC MAINTENANCE AND MINOR REPAIR EAU19631 Checking the spark plug The spark plug is an important engine component, which is easy to check. Since heat and deposits will cause any spark plug to slowly erode, the spark plug should be removed and checked in accordance with the periodic maintenance and lubrication chart. In addition, the condition of the spark plug can reveal the condition of the engine. To remove the spark plug 1. Remove cowling A. (See page 6-6.) 2. Remove the spark plug cap.

3. Remove the spark plug as shown, with the spark plug wrench included in the owner's tool kit. 1. Screw 2. Panel A 6 To install the panel 1.

Place the panel in the original position, and then install the screws. 2. Install the rider seat. 1. Spark plug wrench To check the spark plug 1.

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

NOTE: If the spark plug shows a distinctly different color, the engine could be operating improperly. Do not attempt to diagnose such problems yourself.

Instead, have a Yamaha dealer check the vehicle. 1. Spark plug cap 6-8 PERIODIC MAINTENANCE AND MINOR REPAIR 2. @@@@3. @@@@To check the engine oil level 1. @@@@A slight tilt to the side can result in a false reading. 2.

@@@3. @@@6 To install the spark plug 1. @@@@4. Install the spark plug cap. 5. Install the cowling. 1 ZAUM0037 1. @@@4. @@5. Install the oil filler cap.

To change the engine oil (with or without oil filter element replacement) 1. Remove cowling D. (See page 6-6.) 2. @@@3.

Install the engine oil drain attachment, provided with the owner's tool kit, under the drain bolt of the crankcase. 1. Engine oil drain bolt (crankcase) 2. Engine oil drain attachment 1. Engine oil filler cap 6 4.

Place an oil pan under the engine to collect the used oil. 5. Remove the engine oil filler cap and the drain bolt along with the Oring, compression spring, and engine oil strainer, to drain the oil from the crankcase. 1. Dipstick 2. Maximum level mark 3. @@@10. @@@2. 3. 4.

@@@Bolt 2. Oil filter element cover 8. @@@Take care not to lose these parts. 6. Clean the engine oil strainer with solvent. @@@7. Remove the oil filter element cover by removing the bolts. 1. Oil filter element 2. O-ring 6 11.

@@A slight tilt to the side can result in a false reading. 2. Check the coolant level in the coolant reservoir.

@@@@@@@@@@@@@@@@@@@@Coolant reservoir 2. Maximum level mark 3.

Minimum level mark G 3. If the coolant is at or below the minimum level mark, remove the reservoir cap. G G 1. Coolant reservoir cap If coolant is not available, use distilled water or soft tap water instead. Do not use hard water or salt water since it is harmful to the engine.

If water has been used instead of coolant, replace it with coolant as soon as possible, otherwise the cooling system will not be protected against frost and corrosion. If water has been added to the coolant, have a Yamaha dealer check the antifreeze content of the coolant as soon as possible, otherwise the effectiveness of the coolant will be reduced. Changing the coolant EWA10380 6 WARNING Never attempt to remove the radiator cap when the engine is hot.

The coolant must be changed at the intervals specified in the periodic maintenance and lubrication chart. Have a Yamaha dealer change the coolant. 6-13 PERIODIC MAINTENANCE AND MINOR REPAIR EAUM2390 Replacing the air filter element and cleaning the check hose The air filter element should be replaced at the intervals specified in the periodic maintenance and lubrication chart. Have a Yamaha dealer replace the air filter element more frequently if you are riding in unusually wet or dusty areas. In addition, the air filter check hose must be frequently checked and cleaned if necessary. To clean the air filter check hose 1. Check the hose on the side of the air filter case for accumulated dirt or water.

2. If dirt or water is visible, remove the hose, clean it, and then install it. EAU33482 Adjusting the engine idling speed The engine idling speed must be checked and, if necessary, adjusted as follows at the intervals specified in the periodic maintenance and lubrication chart. The engine should be warm before making this adjustment. 1. Remove panel A. (See page 6-6.) 2. Check the engine idling speed and, if necessary, adjust it to specification by turning the idle adjusting screw. To increase the engine idling speed, turn the screw in direction (a).

To decrease the engine idling speed, turn the screw in direction (b). 6 1. Air filter check hose 6-14 PERIODIC MAINTENANCE AND MINOR REPAIR EAU21370 Adjusting the throttle cable free play 2. To increase the throttle cable free play, turn the adjusting nut in direction (a).



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To decrease the throttle cable free play, turn the adjusting nut in direction (b).

1. Idle adjusting screw Engine idling speed: 1300/1500 r/min 1. Throttle cable free play NOTE: If the specified idling speed cannot be obtained as described above, have a Yamaha dealer make the adjustment. 3. @@@@1.

Loosen the locknut. 1. Locknut 2. Adjusting nut 6 3. @@@@ @G NEVER OVERLOAD THE VEHICLE! @@@@ Adjust the tire air pressure with regard to the load. Check the tire condition and air pressure before each ride. The tires must be checked before each ride. If the center tread depth reaches the specified limit, if the tire has a nail or glass fragments in it, or if the sidewall is cracked, have a Yamaha dealer replace the tire immediately. Minimum tire tread depth (front and rear): 1.6 mm (0.

06 in) Yamaha dealer, who has the necessary professional knowledge and experience. Tire information G G 1 2 3 G G NOTE: The tire tread depth limits may differ from country to country. Always comply with the local regulations. EWA10470 Tire inspection G WARNING Have a Yamaha dealer replace excessively worn tires. Besides being illegal, operating the vehicle with excessively worn tires decreases riding stability and can lead to loss of control. The replacement of all wheel and brake related parts, including the tires, should be left to a 1. Tire air valve 2. Tire air valve core 3. Tire air valve cap with seal 6 This motorcycle is equipped with cast wheels and tubeless tires with valves. EWA10900 WARNING G G 1.

Tire sidewall 2. Tire tread depth The front and rear tires should be of the same make and design, otherwise the handling characteristics of the motorcycle cannot be guaranteed. 6-17 PERIODIC MAINTENANCE AND MINOR REPAIR G G G After extensive tests, only the tires listed below have been approved for this model by Yamaha Motor Co., Ltd. Always make sure that the valve caps are securely installed to prevent air pressure leakage.

Use only the tire valves and valve cores listed below to avoid tire deflation during a ride. EWA10600 EAU21960 WARNING This motorcycle is fitted with superhigh-speed tires. Note the following points in order to make the most efficient use of these tires. G Use only the specified replacement tires. Other tires may run the danger of bursting at super high speeds.

G Brand-new tires can have a relatively poor grip on certain road surfaces until they have been "broken in". Therefore, it is advisable before doing any highspeed riding to ride conservatively for approximately 100 km (60 mi) after installing a new tire. G The tires must be warmed up before a high-speed run. G Always adjust the tire air pressure according to the operating conditions. Cast wheels To maximize the performance, durability, and safe operation of your vehicle, note the following points regarding the specified wheels. G The wheel rims should be checked for cracks, bends or warpage before each ride. If any damage is found, have a Yamaha dealer replace the wheel. Do not attempt even the smallest repair to the wheel. A deformed or cracked wheel must be replaced. G The wheel should be balanced whenever either the tire or wheel has been changed or replaced.

An unbalanced wheel can result in poor performance, adverse handling characteristics, and a shortened tire life. G Ride at moderate speeds after changing a tire since the tire surface must first be "broken in" for it to develop its optimal characteristics. 6 Front tire: Size: 100/80-17 M/C 52H Manufacturer/model:

PIRELLI/SPORT DEMON MICHELIN/PILOT SPORTY Tire air valve: TR412 Valve core: V3002 (original) Rear tire: Size: 130/70-17 M/C 62H

Manufacturer/model: PIRELLI/SPORT DEMON MICHELIN/PILOT SPORTY Tire air valve: TR412 Valve core: V3002 (original) 6-18 PERIODIC MAINTENANCE AND MINOR REPAIR EAU22041 Adjusting the clutch lever free play NOTE: If the specified clutch lever free play could be obtained as described above, tighten the locknut and skip the rest of the procedure, otherwise proceed as follows. 3. Fully turn the adjusting bolt at the clutch lever in direction (a) to loosen the clutch cable. 4. Loosen the locknut at the crankcase. 5. 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).

6. Tighten the locknut at the clutch lever and the crankcase. 1. Clutch lever free play adjusting bolt 2. Clutch lever free play 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. Loosen the locknut at the clutch lever. 2. 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 1. Locknut 2. Clutch lever free play adjusting nut (crankcase) 6-19 PERIODIC MAINTENANCE AND MINOR REPAIR EAUT1220 EAUM1353 EAU22390 Checking the front brake lever free play Adjusting the brake pedal free play Checking the front and rear brake pads The front and rear brake pads must be checked for wear at the intervals specified in the periodic maintenance and lubrication chart. EAU22440 Front brake pads 1. Remove the front brake caliper by removing the bolts.

1. Brake lever free play 1. Brake pedal free play 6 The brake lever free play should measure 3.05.0 mm (0.120.20 in) as shown. Periodically check the brake lever free play and, if necessary, have a Yamaha dealer check the brake system. EWA10640 The brake pedal free play should measure 3.54.

5 mm (0.140.18 in) as shown. Periodically check the brake pedal free play and, if necessary, have a Yamaha dealer adjust it. EWAM1030 WARNING An incorrect brake pedal free play indicates a hazardous condition in the brake system.

Do not operate the motorcycle until the brake system has been checked or repaired by a Yamaha dealer. 1. Bolt 2. Brake caliper 3. Lining thickness WARNING An incorrect brake lever free play indicates a hazardous condition in the brake system.

Do not operate the motorcycle until the brake system has been checked or repaired by a Yamaha dealer. 2. Check each front brake pad for damage and measure the lining thickness. If a brake pad is damaged or if the lining thickness is 6-20 PERIODIC MAINTENANCE AND MINOR REPAIR less than 0.8 mm (0.03 in), have a Yamaha dealer replace the brake pads as a set. 3. Install the front brake caliper by installing the bolts, then tightening them to the specified torque. Tightening torque: Brake caliper bolt: 30 Nm (3.0 m·kgf, 22 ft·lbf) EAU22500 EAU22580 Checking the brake fluid level Front brake Rear brake pads 1.

Minimum level mark Rear brake 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.



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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: G When checking the fluid level, make sure that the top of the brake fluid reservoir is level. G Use only the recommended quality brake fluid, otherwise the rubber seals may deteriorate, causing leakage and poor braking performance. Recommended brake fluid: DOT 4 G 6 1. Lining thickness Check each rear brake pad for damage and measure the lining thickness. If a brake pad is damaged or if the lining thickness is less than 1 mm (0.04 in), have a Yamaha dealer replace the brake pads as a set. 1.

Minimum level mark Refill with the same type of brake fluid. Mixing fluids may result in a harmful chemical reaction and lead to poor braking performance. Insufficient brake fluid may allow air to enter the brake system, possibly causing it to become ineffective. 6-21 PERIODIC MAINTENANCE AND MINOR REPAIR G G G 6 Be careful that water does not enter the brake fluid reservoir when refilling. Water will significantly lower the boiling point of the fluid and may result in vapor lock.

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. EAUM1360 EAU22760

Changing the brake fluid Have a Yamaha dealer change the brake fluid at the intervals specified in the periodic maintenance and lubrication chart. In addition, have the brake hose replaced every four years or whenever it is damaged or leaking. Drive chain slack The drive chain slack should be checked before each ride and adjusted if necessary. EAU22773 To check the drive chain slack 1. Place the motorcycle on the sidestand. NOTE: When checking and adjusting the drive chain slack, there should be no weight on the motorcycle. 2. Shift the transmission into the neutral position. 3. Move the rear wheel by pushing the motorcycle to locate the tightest portion of the drive chain, and then measure the drive chain slack as shown. Drive chain slack: 30.

040.0 mm (1.181.57 in) 6-22 PERIODIC MAINTENANCE AND MINOR REPAIR ECA10570 CAUTION: 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. 1. Drive chain slack 4. If the drive chain slack is incorrect, adjust it as follows. EAU34312 1. 2.

3. 4. Axle nut Drive chain slack adjusting bolt Locknut Alignment marks 3. Tighten the locknuts, then the axle nut to their specified torques. Tightening torques: Locknut: 16 Nm (1.

6 m·kgf, 11 ft·lbf) Axle nut: 85 Nm (8.5 m·kgf, 61 ft·lbf) To adjust the drive chain slack 1. Loosen the axle nut and the locknut on each side of the swingarm. 2. To tighten the drive chain, turn the drive chain slack adjusting bolt on each side of the swingarm in direction (a).

To loosen the drive chain, turn the adjusting bolt on each side of the swingarm in direction (b), and then push the rear wheel forward. NOTE: 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 6-23 PERIODIC MAINTENANCE AND MINOR REPAIR EAU23022 ECA11110 EAU23100 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 CAUTION: Do not use engine oil or any other lubricants for the drive chain, as they may contain substances that could damage the O-rings. 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. Recommended lubricant: Engine oil EWA10720 CAUTION: The drive chain must be lubricated after washing the motorcycle and riding in the rain. 6 1. Clean the drive chain with kerosene and a small soft brush.

ECA11120 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. CAUTION: To prevent damaging the O-rings, do not clean the drive chain with steam cleaners, high-pressure washers or inappropriate solvents. 2. Wipe the drive chain dry. 3. Thoroughly lubricate the drive chain with a special O-ring chain lubricant. 6-24 PERIODIC MAINTENANCE AND MINOR REPAIR EAU23111 EAU44271 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. Checking and lubricating the brake and shift pedals Recommended lubricant: Lithium-soap-based grease 6 The operation of the brake and shift pedals should be checked before each ride, and the pedal pivots should be lubricated if necessary.

6-25 PERIODIC MAINTENANCE AND MINOR REPAIR EAU43610 EAU23201 Checking and lubricating the brake and clutch levers Brake lever Recommended lubricant: Lithium-soap-based grease (all-purpose grease) Checking and lubricating the sidestand Clutch lever 6 The operation of the sidestand should be checked before each ride, and the sidestand pivot and metal-to-metal contact surfaces should be lubricated if necessary. EWA10730 WARNING If the sidestand does not move up and down smoothly, have a Yamaha dealer check or repair it. The operation of the brake and clutch levers should be checked before each ride, and the lever pivots should be lubricated if necessary. 6-26 Recommended lubricant: Lithium-soap-based grease PERIODIC MAINTENANCE AND MINOR REPAIR EAUM1650 EAU23271 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 EWA10750 WARNING Securely support the vehicle so that there is no danger of it falling over. Check the inner tubes for scratches, damage and excessive oil leakage. To check the operation 1. @ @2. While applying the front brake, push down hard on the handlebars several times to check if the front fork compresses and rebounds smoothly.

ECA10590 CAUTION: If any damage is found or the front fork does not operate smoothly, have a Yamaha dealer check or repair it.



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6-27 PERIODIC MAINTENANCE AND MINOR REPAIR EAU23280 EAU23290 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 a stand under the engine to raise the front wheel off the ground. EWA10750 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. WARNING Securely support the vehicle so that there is no danger of it falling over. 6-2. 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. 6-28 PERIODIC MAINTENANCE AND MINOR REPAIR EAU23310 Battery A poorly maintained battery will corrode and discharge quickly. The electrolyte level, battery lead connections and breather hose routing should be checked before each ride and at the intervals specified in the periodic maintenance and lubrication chart. To check the electrolyte level 1. @@NOTE: Make sure that the vehicle is positioned straight up when checking the electrolyte level. 2. Check the electrolyte level in the battery. NOTE: The electrolyte should be between the minimum and maximum level marks. 1 UPPER LOWER + 2 G ZAUM0106 1. Maximum level mark 2.

Minimum level mark 3. If the electrolyte is at or below the minimum level mark, add distilled water to raise it to the maximum level mark. EWA10770 G WARNING 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. 6-29 G 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. Take care not to spill electrolyte on the drive chain, as this may weaken it, shorten chain life and possibly result in an accident. KEEP THIS AND ALL BATTERIES OUT OF THE REACH OF CHILDREN. ECA10610 6

CAUTION: Use only distilled water, as tap water contains minerals that are harmful to the battery. 4. Check and, if necessary, tighten the battery lead connections and correct the breather hose routing. PERIODIC MAINTENANCE AND MINOR REPAIR To store the battery 1. If the motorcycle will not be used for more than one month, remove the battery, fully charge it, and then place it in a cool, dry place. 2. If the battery will be stored for more than two months, check the specific gravity of the electrolyte at least once a month and fully charge the battery whenever necessary.

3. Fully charge the battery before installation. 4. After installation, make sure that the battery leads are properly connected to the battery terminals and that the breather hose is properly routed, in good condition, and not obstructed. ECA10600 EAUM2410 Replacing the fuses Specified fuses: Main fuse: 20.0 A Ignition fuse: 7.5 A Signaling system fuse: 7.5 A Headlight fuse: 15.0 A Radiator fan fuse: 5.0 A ECA10640 6 1.

2. 3. 4. 5. 6.

7. Fuse box Spare fuse Headlight fuse Signaling system fuse Ignition fuse Radiator fan fuse Main fuse CAUTION: 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. 3. Turn the key to "ON" and turn on the electrical circuit in question to check if the device operates. 4.

If the fuse immediately blows again, have a Yamaha dealer check the electrical system. CAUTION: If the breather hose is positioned in such a way that the frame is exposed to electrolyte or gas expelled from the battery, the frame could suffer structural and external damages. The fuse box is located under the rider seat. (See page 3-9.) If a fuse is blown, replace it as follows. 1. Turn the key to "OFF" and turn off the electrical circuit in question. 2. Remove the blown fuse, and then install a new fuse of the specified amperage. 6-30 PERIODIC MAINTENANCE AND MINOR REPAIR EAU34240 EAU24181 EAU24202

Replacing a headlight bulb This model is equipped with quartz bulb headlights.

If a headlight bulb burns out, have a Yamaha dealer replace it and, if necessary, adjust the headlight beam. Tail/brake light This model is equipped with an LED type tail/brake light. If the tail/brake light does not come on, have a Yamaha dealer check it. Replacing a turn signal light bulb 1. Remove the turn signal light lens by removing the screw. 1. Screw 6 2. Remove the defective 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. ECA11190 CAUTION: Do not overtighten the screw, otherwise the lens may break. 6-31 PERIODIC MAINTENANCE AND MINOR REPAIR EAUM2200 EAU43230 EAU24350 Replacing the license plate light bulb 1. Remove the socket (together with the bulb) by pulling it out.

Replacing an auxiliary light bulb This model is equipped with two auxiliary lights. If an auxiliary light bulb burns out, replace it as follows. 1. Remove the socket (together with the bulb) by pulling it out. Supporting the motorcycle Since this model is not equipped with a centerstand, follow these precautions when removing the front and rear wheel or performing other maintenance requiring the motorcycle to stand upright.

Check that the motorcycle is in a stable and level position before starting any maintenance. A strong wooden box can be placed under the engine for added stability. To service the front wheel 1. Stabilize the rear of the motorcycle by using a motorcycle stand or, if an additional motorcycle stand is not available, by placing a jack under the frame in front of the rear wheel. 2. Raise the front wheel off the ground by using a motorcycle stand. To service the rear wheel Raise the rear wheel off the ground by using a motorcycle stand or, if a motorcycle stand is not available, by placing 6 1. License plate light bulb 2. Remove the defective bulb by pulling it out. 3.

Insert a new bulb into the socket. 4. Install the socket (together with the bulb) by pushing it in. 1. Auxiliary light bulb 2. Remove the defective bulb by pulling it out. 3. Insert a new bulb into the socket. 4. Install the socket (together with the bulb) by pushing it in.

6-32 PERIODIC MAINTENANCE AND MINOR REPAIR a jack either under each side of the frame in front of the rear wheel or under each side of the swingarm.



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