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You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA MAJESTY 125. You'll find the answers to all your questions on the YAMAHA MAJESTY 125 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual YAMAHA MAJESTY 125
User guide YAMAHA MAJESTY 125
Operating instructions YAMAHA MAJESTY 125
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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 EAU34111** Particularly important information is distinguished in this manual by the following notations: **t** 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 scooter operator, a bystander, or a person inspecting or repairing the scooter. @@@@If you have any questions concerning this manual, please consult your Yamaha dealer. EWA12410 s **WARNING PLEASE READ THIS MANUAL CAREFULLY AND COMPLETELY BEFORE OPERATING THIS SCOOTER.** *Product and specifications are subject to change without notice. **IMPORTANT MANUAL INFORMATION EAUS1172 YP125E OWNER'S MANUAL** ©2006 by YAMAHA MOTOR ESPAÑA S.A. 1st edition, August 2006 All rights reserved. Any reprinting or unauthorized use without the written permission of YAMAHA MOTOR ESPAÑA S.

A. is expressly prohibited. Printed in Spain. **TABLE OF CONTENTS INTRODUCTION IMPORTANT MANUAL INFORMATION TABLE OF CONTENTS SAFETY INFORMATION ..**

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9-1 t SAFETY INFORMATION EAU10261 1 SCOOTERS ARE SINGLE TRACK VEHICLES. THEIR SAFE USE AND OPERATION ARE DEPENDENT UPON THE USE OF PROPER RIDING TECHNIQUES AS WELL AS THE EXPERTISE OF THE OPERATOR. EVERY OPERATOR SHOULD KNOW THE FOLLOWING REQUIREMENTS BEFORE RIDING THIS SCOOTER. HE OR SHE SHOULD: q OBTAIN THOROUGH INSTRUCTIONS FROM A COMPETENT SOURCE ON ALL ASPECTS OF SCOOTER OPERATION. q OBSERVE THE WARNINGS AND MAINTENANCE REQUIREMENTS IN THE OWNER'S MANUAL. q OBTAIN QUALIFIED TRAINING IN SAFE AND PROPER RIDING TECHNIQUES. q OBTAIN PROFESSIONAL TECHNICAL SERVICE AS INDICATED BY THE OWNER'S MANUAL AND/OR WHEN MADE NECESSARY BY MECHANICAL CONDITIONS. Safe riding q Always make pre-operation checks. Careful checks may help prevent an accident. q This scooter is designed to carry the operator and passenger. q The failure of motorists to detect and recognize scooters in traffic is the predominating cause of automobile/scooter accidents. Many accidents have been caused by an automobile driver who did not see the scooter. Making yourself conspicuous appears to be very effective in reducing the chance of this type of accident. Therefore: · Wear a brightly colored jacket. · Use extra caution when approaching and passing through intersections, since intersections are the most likely places for scooter accidents to occur. · Ride where other motorists can see you. Avoid riding in another motorist's blind spot. q Many accidents involve inexperienced operators. In fact, many operators who have been involved in accidents do not even have a current driver's license. · Make sure that you are qualified and that you only lend your scooter to other qualified operators. · Know your skills and limits. Staying within your limits may help you to avoid an accident. · We recommend that you practice riding your scooter where there is no traffic until you have become thoroughly familiar with the scooter and all of its controls. Many accidents have been caused by error of the scooter operator. A typical error made by the operator is veering wide on a turn due to EXCESSIVE SPEED or undercornering (insufficient lean angle for the speed). · Always obey the speed limit and never travel faster than warranted by road and traffic conditions. · Always signal before turning or changing lanes. Make sure that other motorists can see you. SAFETY INFORMATION t 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 footboard during operation to maintain control of the scooter. · The passenger should always hold onto the operator, the seat strap or grab bar, if equipped, with both hands and keep both feet on the passenger footrests. · Never carry a passenger unless he or she can firmly place both feet on the passenger footrests. q Never ride under the influence of alcohol or other drugs. q This scooter is designed for onroad use only. It is not suitable for off-road use. Protective apparel The majority of fatalities from scooter accidents are the result of head injuries. The use of a safety helmet is the single most critical factor in the prevention or reduction of head injuries. q Always wear an approved helmet. q Wear a face shield or goggles. Wind in your unprotected eyes could contribute to an impairment of vision which could delay seeing a hazard. q The use of a jacket, substantial shoes, trousers, gloves, etc., is effective in preventing or reducing abrasions or lacerations. q Never wear loose-fitting clothes, otherwise they could catch on the control levers or wheels and cause injury or an accident.



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q 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. q Passengers should also observe the above precautions. Modifications made to this scooter not approved by Yamaha, or the removal of original equipment, may render the scooter unsafe for use and q 1-2 may cause severe personal injury. Modifications may also make your scooter illegal to use. Loading and accessories Adding accessories or cargo to your scooter can adversely affect stability and handling if the weight distribution of the scooter is changed.

To avoid the possibility of an accident, use extreme caution when adding cargo or accessories to your scooter. Use extra care when riding a scooter that has added cargo or accessories. Here are some general guidelines to follow if loading cargo or adding accessories to your scooter: Loading The total weight of the operator, passenger, accessories and cargo must not exceed the maximum load limit. Maximum load: 177 kg (390.29 lb) 1 When loading within this weight limit, keep the following in mind: q Cargo and accessory weight should be kept as low and close to the scooter as possible. Make t SAFETY INFORMATION Keep the following guidelines in mind, as well as those provided under "Loading" when mounting accessories. q Never install accessories or carry cargo that would impair the performance of your scooter. Carefully inspect the accessory before using it to make sure that it does not in any way reduce ground clearance or cornering clearance, limit suspension travel, steering travel or control operation, or obscure lights or reflectors. · Accessories fitted to the handlebar or the front fork area can create instability due to improper weight distribution or aerodynamic changes. If accessories are added to the handlebar or front fork area, they must be as lightweight as possible and should be kept to a minimum.

· Bulky or large accessories may seriously affect the stability of the scooter due to aerodynamic effects. Wind may attempt to lift the scooter, or the scoo1-3 1 sure to distribute the weight as evenly as possible on both sides of the scooter to minimize imbalance or instability. q Shifting weights can create a sudden imbalance. Make sure that accessories and cargo are securely attached to view 2 3 4 5 2 1 6 Å@ Å@ Å@ Å@ 8 1. 2. 3. 4. Grab bar Passenger Seat Rider Seat (page 3-9) Owner's tool kit (page 6-1) 5. 6. 7.

8. 7 Fuses (page 6-26) Headlight (page 6-27) Radiator Centerstand (page 6-22) 2-2 DESCRIPTION EAU10430 Controls and instruments 1 2 2 3 4 5 6 7 11 1. 2. 3. 4.

5. 6. Rear brake lever (page 3-6) Left handlebar switch (page 3-5) Multi-function display (page 3-2) Speedometer (page 3-2) Fuel gauge (page 3-3) Right handlebar switch (page 3-5) 10 98 7. 8. 9.

10. 11. Front brake lever (page 3-1. This information will enable you to plan future fuel stops. Setting the odometer/tripmeter reading mode The odometer and tripmeter can be set to count in either kilometers or miles according to the following procedure. 1. Turn the key to "f" while pressing the reset button. 2. Release the reset button when the display comes on. 3.

The current mode appears in the display: "CONT" (continental) for the kilometer mode and "EnGL" (English) for the mile mode. 4. Press the reset button to switch the mode. 5. Press the reset button for two seconds to confirm the setting. NOTE: q The odometer/tripmeter reading mode can be changed any number of times while the odometer reading is below 10 (km/h or MPH), but it cannot be changed anymore after the reading has reached 10 (km/h or MPH). q

Switching between the kilometer mode and the mile mode does not change or convert the current odometer/tripmeter reading. EAUM1100 Battery voltage/fuel gauge 1 y 3 2 1. Fuel gauge 2. Battery voltage When the key is turned to "e", the voltage/fuel gauge indicates the battery voltage. NOTE: If the battery voltage drops to 10 V, have a Yamaha dealer check the battery. When the key is turned to "f", the voltage/fuel gauge indicates the amount of fuel in the fuel tank after indicating the battery voltage for two seconds. The needle moves towards "E" (empty) as the fuel level decrea- 3-3 INSTRUMENT AND CONTROL FUNCTIONS ses. When the needle reaches "E", refuel as soon as possible. NOTE: Do not allow the fuel tank to empty itself completely.

3 TOTAL TRIP TOTAL TRIP EAUS1210 Clock To set the clock 1. Turn the key to "f". 4. Press the "TRIP" button for two seconds, and the first minute digit will flash. 5.

Press the "TRIP" button to set the first minute digit. Total/Trip Total/Trip 2. Press the "TRIP" button for two seconds, and the hour display will flash. 3. Press the "TRIP" button to set the hours. 6. Press the "TRIP" button for two more seconds, and the second minute digit will flash. 7. Press the "TRIP" button to set the second minute digit. 8.

Press the "TRIP" button for two seconds to set the clock. TOTAL TRIP Total/Trip 3-4 INSTRUMENT AND CONTROL FUNCTIONS EAU12331 EAU12347 EAUS1020 Anti-theft alarm (optional) This motorcycle can be equipped with an optional anti-theft alarm by a Yamaha dealer. Contact a Yamaha dealer for more information. Handlebar switches 1 Dimmer switch "j/k" Set this switch to "j" for the high beam and to "k" for the low beam. With the headlight on low beam, press this switch downwards to flash the headlight. 2 EAU12460 3 3 1. Dimmer switch "j/k" 2. Turn signal switch "c/d" 3. Horn switch "a" 1 Turn signal switch "c/d" To signal a right-hand turn, push this switch to "d". To signal a left-hand turn, push this switch to "c".

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 Horn switch "a" Press this switch to sound the horn. EAU12720 2 1. Hazard switch " 2.

Start switch "g" " Start switch "g" With the sidestand up, push this switch while applying the front or rear brake to crank the engine with the starter. 3-5 INSTRUMENT AND CONTROL FUNCTIONS ECA10050 EAU12900 EAU12950 CAUTION: See page 5-1 for starting instructions prior to starting the engine. EAU12764 Front brake lever 1 Rear brake lever 1 Hazard switch " 3 " With the key in the "f" position, turn this switch to " " to turn on the hazard lights (simultaneous flashing of all turn signal lights). The hazard lights are used in case of an emergency or to warn other drivers when your vehicle is stopped where it might be a traffic hazard.



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ECA10061 1.

Front brake lever 1. Rear brake lever CAUTION: Do not use the hazard lights for an extended length of time with the engine not running, otherwise the battery may discharge. The front brake lever is located on the right handlebar grip. To apply the front brake, pull this lever toward the handlebar grip. The rear brake lever is located on the left handlebar grip. To apply the rear brake, pull this lever toward the handlebar grip. 3-6 INSTRUMENT AND CONTROL FUNCTIONS EAUS1040 Fuel tank cap 3 2. Insert the key in the lock and turn it clockwise. To close the fuel tank cap 1. Align the match marks, and then push the fuel tank cap into the original position.

3. Close the fuel tank cover. To open the fuel tank cap 1 1. Fuel tank cap 1. Open the fuel tank cap cover by pushing in on the rear end of it. 2. Turn the key counterclockwise and remove it. 3-7 INSTRUMENT AND CONTROL FUNCTIONS EAU13220 ECA10070 Fuel CAUTION: Immediately wipe off spilled fuel with a clean, dry, soft cloth, since fuel may deteriorate painted surfaces or plastic parts. EAU33520 3 1. Fuel tank filler tube 2.

Fuel level Make sure that there is sufficient fuel in the tank. When refueling, be sure to insert the pump nozzle into the fuel tank filler hole and to fill the tank to the bottom of the filler tube as shown. EWA10880 Recommended fuel: REGULAR UNLEADED GASOLINE ONLY Fuel tank capacity: 10.5 L (2.77US gal) (2.

31 Imp.gal) Fuel reserve amount 3 L (0.79 US gal) (0.66 Imp gal) 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 or premium unleaded fuel.

Use of unleaded fuel will extend spark plug life and reduce maintenance costs. ECA11400 s WARNING q Do not overfill the fuel tank, otherwise it may overflow when the fuel warms up and expands. q Avoid spilling fuel on the hot engine. 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. 3-8 INSTRUMENT AND CONTROL FUNCTIONS EAUB1300 EAU13431 EAU13891 Fuel tank breather/overflow hose Before operating the motorcycle: q Check the fuel tank breather/overflow hose connection. q Check the fuel tank breather/overflow hose for cracks or damage, and replace it if damaged. q Make sure that the end of the fuel tank breather/overflow hose is not blocked, and clean it if necessary. q Make sure that the end of the fuel tank breather/overflow hose is positioned inside of the clamp. Catalytic converter This model is equipped with a catalytic converter in the exhaust system.

EWA10860 Seat To open the seat 1 s WARNING The exhaust system is hot after operation. Make sure that the exhaust system has cooled down before doing any maintenance work. ECA10700 3 1. Open 1 CAUTION: The following precautions must be observed to prevent a fire hazard or other damages. q Use only unleaded gasoline. The use of leaded gasoline will cause unrepairable damage to the catalytic converter. q Never park the vehicle near possible fire hazards such as grass or other materials that easily burn. q Do not allow the engine to idle too long. 3-9 1. Insert the key in the lock, and then turn it as shown.

1 1. Rider seat 1. Fuel tank breather/overflow hose 2. Fold the seat up. INSTRUMENT AND CONTROL FUNCTIONS To close the seat 1. Fold the seat down, and then push it down to lock it in place. 2. Remove the key. NOTE: Make sure that the seat is properly secured before riding. EAU14540

Front storage compartment To open the front storage compartment To close the front storage compartment 3 1 2 1. Open 2. Lid Push the front storage compartment lid into the original position, and then remove the key. EWA10960 s WARNING q Do not exceed the load limit of 0.5 kg (1.10 lb) for the front storage compartment. q Do not exceed the maximum load of 177 kg (390.29 lb for the vehicle). Insert the key into the lock, turn it clockwise, and then pull on it to open the front storage compartment lid. 3-10 INSTRUMENT AND CONTROL FUNCTIONS EAUM1190 ECA10080 Storage compartment 1 1. Storage compartment There is a storage compartment under the seat.

(See page 3-9.) EWA10960 s WARNING q Do not exceed the load limit of 10 kg (22 lb) for the storage compartment. q Do not exceed the maximum load of 177 kg (390.29 lb) for the vehicle. CAUTION: Keep the following points in mind when using the storage compartment. q Since the storage compartment accumulates heat when exposed to the sun, do not store anything susceptible to heat inside it. q To avoid humidity from spreading through the storage compartment, wrap wet articles in a plastic bag before storing them in the compartment. q Since the storage compartment may get wet while the scooter is being washed, wrap any articles stored in the compartment in a plastic bag. q Do not keep anything valuable or breakable in the storage compartment. To store a helmet in the storage compartment, place the helmet with the frontfacing backward.

NOTE: q Some helmets cannot be stored in the storage compartment because of their size or shape. q Do not leave your scooter unattended with the seat open. 3 3-11 INSTRUMENT AND CONTROL FUNCTIONS EAU14880 EWA10210 EAU15301 Adjusting the shock absorber assemblies 1 3 s 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). NOTE: 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): 4 Sidestand 2 b a 1 2 1. Spring preload adjusting ring 2. Position indicator 1.

Sidestand switch 2. Sidestand Each shock absorber assembly is equipped with a spring preload adjusting ring. ECA10100 The sidestand is located on the left side of the frame. Raise the sidestand or lower it with your foot while holding the motorcycle 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 cutoff system.)

CAUTION: Never attempt to turn an adjusting mechanism beyond the maximum or minimum settings. 3-12 INSTRUMENT AND CONTROL FUNCTIONS EWA10240 EAU15361 s 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.



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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 below and have a Yamaha dealer repair it if it does not function properly.

Ignition circuit cut-off system The ignition circuit cut-off system (comprising the sidestand switch and brake light switches) has the following functions. q It prevents starting when the sidestand is up, but neither brake is applied. q It prevents starting when either brake is applied, but the sidestand is still down. q It cuts the running engine when the sidestand is moved down. Periodically check the operation of the ignition circuit cut-off system according to the following procedure. EWA10260 3 s **WARNING** q The vehicle must be placed on the centerstand during this inspection. q If a malfunction is noted, have a Yamaha dealer check the system before riding. 3-13 **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. Keep the front or rear brake applied.

5. Push the start switch. Does the engine start? **NOTE:** This check is most reliable if performed with a warmed-up engine. 3 **NO YES** The sidestand switch may be defective. The scooter should not be ridden until checked by a Yamaha dealer.

With the engine still off: 6. Move the sidestand up. 7. Keep the front or rear brake applied. 8. Push the start switch. Does the engine start? **YES** With the engine still running: 9. Move the sidestand down. Does the engine stall? **NO** The brake switch may be defective. The scooter should not be ridden until checked by a Yamaha dealer.

YES NO The sidestand switch may be defective. The scooter should not be ridden until checked by a Yamaha dealer. The system is OK. The scooter can be ridden. 3-14 **PRE-OPERATION CHECKS** EAU15591 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.

EWA11150 4 s **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** **CHECKS** 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. 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. 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. Check for damage. Check tire condition and tread depth.

Check air pressure. Correct if necessary. 4-2 **PAGE** 3-3, 3-7 Engine oil Final transmission oil 3-2, 6-9 6-11 3-2, 6-12 4 Coolant Front brake 3-6, 6-19, 6-20, 6-21 Rear brake 3-6, 6-19, 6-20, 6-21 Throttle grip 5-2, 6-15 Wheels and tires 6-16, 6-18 **PRE-OPERATION CHECKS** **ITEM Brake levers** Centerstand, sidestand Chassis fasteners Instruments, lights, signals and switches Sidestand switch Battery **CHECKS** 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 defective, have Yamaha dealer check vehicle. Check fluid level. Fill with distilled water if necessary. **PAGE** 3-6, 5-2, 6-22 6-22 ---3-12 6-24 4 4-3 **OPERATION AND IMPORTANT RIDING POINTS** EAU15980 EWA10870 EAUM1210 5 s

WARNING q 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. q 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. q For safety, always start the engine with the centerstand down.

Starting a cold engine more than 10 seconds on any one attempt. ECA11040 **CAUTION:** For maximum engine life, never accelerate hard when the engine is cold! ECA10250 **CAUTION:** See page 5-3 for engine break-in instructions prior to operating the vehicle for the first time. 1. Turn the key to "f". 2. Close the throttle completely. 3. Start the engine by pushing the start switch while applying the front or rear brake. **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 5-1 **OPERATION AND IMPORTANT RIDING POINTS** EAU16760 EAU16780 EAU16791 Starting off 1 Acceleration and deceleration Braking 1. Grab bar **NOTE:** Before starting off, allow the engine to warm up. 1. While pulling the rear brake lever with your left hand and holding the grab bar with your right hand, push the scooter off the centerstand. 2.

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

5. Switch the turn signal off. The speed can be adjusted by opening and closing the throttle.



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To increase the speed, turn the throttle grip in direction (a). To reduce the speed, turn the throttle grip in direction (b). 1. Close the throttle completely. 2. Apply both front and rear brakes simultaneously while gradually increasing the pressure. EWA10300 5 s WARNING q Avoid braking hard or suddenly (especially when leaning over to one side), otherwise the scooter may skid or overturn.

q Railroad crossings, streetcar rails, iron plates on road construction sites, and manhole covers become extremely slippery when wet. Therefore, slow down when approaching such 5-2 OPERATION AND IMPORTANT RIDING POINTS q q areas and cross them with caution. Keep in mind that braking on a wet road is much more difficult. Ride slowly down a hill, as braking downhill can be very difficult. EAU16820 EAU16830 Tips for reducing fuel consumption Fuel consumption depends largely on your riding style. Consider the following tips to reduce fuel consumption: q Avoid high engine speeds during acceleration. q Avoid high engine speeds with no load on the engine. q 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.

EAU16950 5 0 ~ 150 km (0 ~ 90 mi) Avoid prolonged operation above 1/3 throttle. 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. 5-3 OPERATION AND IMPORTANT RIDING POINTS 150 ~ 500 km (90 ~ 300 mi) Avoid prolonged operation above 1/2 throttle.

Rev the engine freely through the gears, but do not use full throttle at any time. 500 ~ 1000 km (300 ~ 600 mi) Avoid prolonged operation above 3/4 throttle. ECA10350 EAU17200 Parking When parking, stop the engine, and then remove the key from the main switch. EWA10310 CAUTION: After 1000 km (600 mi) of operation, the engine oil must be changed and the oil strainer cleaned. 1000 km (600 mi) and beyond Avoid prolonged full-throttle operation. Vary the speed occasionally. ECA10270 s WARNING q Since the engine and exhaust system can become very hot, park in a place where pedestrians or children are not likely to touch them. q Do not park on a slope or on soft ground, otherwise the vehicle may overturn. 5 CAUTION: If any engine trouble should occur during the engine break-in period, immediately have a Yamaha dealer check the vehicle. 5-4 PERIODIC MAINTENANCE AND MINOR REPAIR EAU17280 EWA10330 EAU17450 6 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 s WARNING This scooter is designed for use on paved roads only. If this scooter is operated in abnormally dusty, muddy or wet conditions, the air filter element should be cleaned or replaced more frequently, otherwise rapid engine wear may result. Consult a Yamaha dealer for proper maintenance intervals. Owner's tool kit 1 1. Owner's tool kit s WARNING If you are not familiar with maintenance work, have a Yamaha dealer do it for you. The owner's tool kit is located inside the storage compartment.

(See page 3-11.) 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. 6-1 PERIODIC MAINTENANCE AND MINOR REPAIR NOTE: If you do not have the tools or experience required for a particular job, have a Yamaha dealer perform it for you. EWA10350 s 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. 6 6-2 PERIODIC MAINTENANCE AND MINOR REPAIR EAU17710 Periodic maintenance and lubrication chart NOTE: q The annual checks must be performed every year, except if a kilometer-based maintenance is performed instead. q From 30000 km, repeat the maintenance intervals starting from 6000 km. q Items marked with an asterisk should be performed by a Yamaha dealer as they require special tools, data and technical skills. ODOMETER READING (x 1000 Km) NO.

ITEM CHECK OR MAINTENANCE JOB 1 6 12 18 24 ANNUAL CHECK 6 1 * Fuel line 2 Spark plug · Check fuel and vacuum hoses for cracks or damage. · Check condition. · Clean and regap. · Replace. · Check valve clearance. · Adjust. · Clean. · Replace. · Clean. · Check electrolyte level and specific gravity.

· Make sure that the breather hose is properly routed. · Check operation, fluid level and vehicle for fluid leakage. · Replace brake pads. 6-3 3 * Valves 4 5 Air filter element V-belt case air filter element 6 * Battery 7 * Front brake Whenever worn to the limit PERIODIC MAINTENANCE AND MINOR REPAIR ODOMETER READING (x 1000 Km) NO. ITEM CHECK OR MAINTENANCE JOB 1 8 * Rear brake 9 * Brake hoses 10 * Wheels 11 * Tires 12 * Wheel bearings 13 * Steering bearings 14 * Chassis fasteners 15 Sidestand, centerstand · Check operation, fluid level and vehicle for fluid leakage. · Replace brake pads. · 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. 6 12 18 24 ANNUAL CHECK Whenever worn to the limit Every 4 years · Check bearing for looseness or damage. · Check bearing play and steering for roughness.

· Lubricate with lithium-soap-based grease. @@ · Check operation. · Lubricate. · Check operation. · Check operation and for oil leakage. · Check operation and shock absorbers for oil leakage. · Adjust engine idling speed.



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· Change. · Check vehicle for oil leakage. · Initial 500 km · Change. · Replace. · Check operation. · Lubricate. · Check operation and free play.

· Adjust the throttle cable free play if necessary. · Lubricate the throttle grip housing and cable. · Check the screw clamps for looseness. · Check operation. · Adjust headlight beam. · Every two years change the brake fluid. Panel B 2 1. Panel A 2. Panel B 1. Panel A 1 1.

· In addition, the condition of the spark plug can reveal the condition of the engine. To remove the spark plug 1 1. Spark plug wrench 6 1 1. Spark plug cap 2.

Remove the spark plug as shown, with the spark plug wrench included in the owner's tool kit. 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). 1. Remove the spark plug cap.

6-7 PERIODIC MAINTENANCE AND MINOR REPAIR 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. 2. Spark plug gap Specified spark plug: NGK (CR8E) 1. 4. Install the spark plug cap. 6 2. 3. To check the engine oil level 1.

Place the scooter on the centerstand. A slight tilt to the side can result in a false reading. 2. 3. 4. Engine oil filler cap 6 3. 4. To change the engine oil 1.

Place an oil pan under the engine to collect the used oil. 4. Check the washer for damage and replace it if necessary. 5. 6. Be sure no foreign material enters the crankcase. 7. 8. To reset the oil change indicator display 1.

Push and hold the "TRIP" button for a MAXIMUM of three seconds. While pushing the "TRIP" button, turn the key to "f". 6 2 1 1. Engine oil drain bolt 2. Washer 6-10 PERIODIC MAINTENANCE AND MINOR REPAIR 2. Release the "TRIP" button and the oil change indicator light will go off. 3. Turn the key to "e". NOTE: If the engine oil is changed before the oil change indicator light comes on (i.e.

before the periodic oil change interval has been reached), the indicator light must be reset after the oil change for the next periodic oil change to be indicated at the correct time. To reset the oil change indicator light before the periodic oil change interval has been reached, follow the above procedure, but note that the indicator light will come on for 1.4 seconds after releasing the reset button, otherwise repeat the procedure. EAU20061 Final transmission oil The final transmission case must be checked for oil leakage before each ride. If any leakage is found, have a Yamaha dealer check and repair the scooter. In addition, the final transmission oil must be changed as follows at the intervals specified in the periodic maintenance and lubrication chart. 1. Start the engine, warm up the final transmission oil by riding the scooter for several minutes, and then stop the engine. 2. Place the scooter on the centerstand.

3. Place an oil pan under the final transmission case to collect the used oil. 1 1. Final transmission oil filler cap 6 1 1. Final transmission oil drain bolt 4. Remove the oil filler cap and drain bolt to drain the oil from the final transmission case. 5. Install the final transmission oil drain bolt, and then tighten it to the specified torque. 6-11 PERIODIC MAINTENANCE AND MINOR REPAIR EAU20070 Tightening torque: Final transmission oil drain bolt: 22 Nm (2.2 m·kgf, 15. 9 ft·lbf) Coolant The coolant level should be checked before each ride. In addition, the coolant must be changed at the intervals specified in the periodic maintenance and lubrication chart. EAU20101 6. Add the specified amount of the recommended final transmission oil, and then install and tighten the oil filler cap. Recommended final transmission oil: See page 8-1. Oil quantity: 0.15 L (0.16 US qt) (0.88 Imp.qt) EWA11310 To check the coolant level 1.

Place the vehicle on the centerstand. NOTE: The coolant level must be checked on a cold engine since the level varies with engine temperature. Make sure that the vehicle is positioned straight up when checking the coolant level. A slight tilt to the side can result in a false reading. 1. Maximum level mark 2. Minimum level mark 2. Check the coolant level in the coolant reservoir. NOTE: The coolant should be between the minimum and maximum level marks. Make sure that no oil gets on the tire or wheel.

7. Check the final transmission case for oil leakage. Coolant reservoir cap 2. Maximum level mark 3. Minimum level mark 6 3.

Cleaning the air filter element 1. Place the scooter on the centerstand. 6. Insert the air filter element into the air filter case. 7.

Install the air filter case cover by installing the screw. Cleaning the V-belt case air filter element 1 1. Air filter element 3. Pull the air filter element out. 1 2 1. Screw 2. V-belt case air filter cover 6 1. Screw 2. Air filter case cover 2. Remove the air filter case cover by removing the screw.

4. Lightly tap the air filter element to remove most of the dust and dirt, and then blow the remaining dirt out with compressed air. 5. Check the air filter element for damage and replace it if necessary. 6-14 1 1. Air filter element PERIODIC MAINTENANCE AND MINOR REPAIR EAU21300 EAU21370 Adjusting the carburetor The carburetor is an important part of the engine and requires very sophisticated adjustment. Therefore, all carburetor adjustments should be left to a Yamaha dealer, who has the necessary professional knowledge and experience. 2. Remove the air filter element, and then blow out the dirt with compressed air as shown. 3.

Check the air filter element for damage and replace it if necessary. 4. Install the air filter element with the colored side facing outward. 5. Install the V-belt case air filter cover by installing the screws.

ECA10530 Adjusting the throttle cable free play The throttle cable free play should measure 4 ~ 6 mm (0.15 ~ 0.24 in) at the throttle grip. Periodically check the throttle cable free play and, if necessary, adjust it as follows. NOTE: The engine idling speed must be correctly adjusted before checking and adjusting the throttle cable free play.

6 a 1 b 2 3 CAUTION: Make sure that each filter element is properly seated in its case. The engine should never be operated without the filter elements installed, otherwise the piston(s) and/or cylinder(s) may become excessively worn. 6-15 1. Throttle cable free play 2. Locknut 3. Adjusting nut 1. Loosen the locknut. 2. To increase the throttle cable free play, turn the adjusting nut in PERIODIC MAINTENANCE AND MINOR REPAIR direction (a). To decrease the throttle cable free play, turn the adjusting nut in direction (b).



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3. Tighten the locknut. EAU21401 EAU21870 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 6 ZAU0053 The tire air pressure should be checked and, if necessary, adjusted before each ride. EWA10500 s WARNING q The tire air pressure must be checked and adjusted on cold tires (i.e., when the temperature of the tires equals the ambient temperature). 6-16 PERIODIC MAINTENANCE AND MINOR REPAIR q The tire air pressure must be adjusted in accordance with the riding speed and with the total weight of rider, passenger, cargo, and accessories approved for this model.

q 6 Tire air pressure (measured on cold tires): Up to 90 kg (198 lb): Front: 190 kPa (27 psi) (1.9 kgf/cm²) Rear: 220 kPa (31 psi) (2.2 kgf/cm²) 90 kg (198 lb) to maximum load: Front: 190 kPa (27 psi) (1.9 kgf/cm²) Rear: 240 kPa (34 psi) (2.4 kgf/cm²) Maximum load*: 177 kg (390.29 lb) * Total weight of rider, passenger, cargo and accessories EWA10450 q q q q NEVER OVERLOAD THE VEHICLE! Operation of an overloaded vehicle may result in tire damage, loss of control, or severe injury. Make sure that the total weight of rider, cargo, and accessories does not exceed the specified maximum load for the vehicle. Do not carry along loosely packed items, which can shift during a ride. Securely pack the heaviest items close to the center of the vehicle and distribute the weight evenly on both sides. Adjust the suspension and tire air pressure with regard to the load.

Check the tire condition and air pressure before each ride. Tire inspection 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. 1 ZAUM0054 1. Tire tread depth Minimum tire tread depth (front and rear): 1.6 mm (0.06 in) s WARNING Because loading has an enormous impact on the handling, braking, performance and safety characteristics of your vehicle, you should keep the following precautions in mind. 6-17 NOTE: The tire tread depth limits may differ from country to country. Always comply with the local regulations. PERIODIC MAINTENANCE AND MINOR REPAIR Tire information This motorcycle is equipped with tubeless tires.

Front tire: Size: 120/70 - 12 51L Manufacturer/model: CONTINENTAL / ZIPPY 1 PIRELLI / SL26 MICHELIN / BOPPER Rear tire: Size: 130/70 - 12 56L Manufacturer/model: CONTINENTAL / ZIPPY 1 PIRELLI / SL26 MICHELIN / BOPPER a Yamaha dealer, who has the necessary professional knowledge and experience. EAU21960 Cast wheels To maximize the performance, durability, and safe operation of your motorcycle, note the following points regarding the specified wheels. q 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. q 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. q 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 EWA10470 s WARNING q 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. q The replacement of all wheel and brake related parts, including the tires, should be left to 6-18 PERIODIC MAINTENANCE AND MINOR REPAIR EAU33453 Front and rear brake lever free play Front There should be no free play at the brake lever ends. If there is free play, have a Yamaha dealer inspect the brake system. EWA14211 EAU22390 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. EAU22430 6 s WARNING A soft or spongy feeling in the brake lever can indicate the presence of air in the hydraulic system.

If there is air in the hydraulic system, have a Yamaha dealer bleed the system before operating the vehicle. Air in the hydraulic system will diminish the braking performance, which may result in loss of control and an accident. Front brake pads 1 1 Rear 1. Brake pad wear indicator groove Each front brake pad is provided with wear indicator grooves, which allow you to check the brake pad wear without having to disassemble the brake. To check the brake pad wear, check the wear indicator grooves.

If a brake pad has worn to the point that the wear indicator grooves have almost 6-19 PERIODIC MAINTENANCE AND MINOR REPAIR disappeared, have a Yamaha dealer replace the brake pads as a set. EAU22500 EAU22580 Checking the brake fluid level Insufficient brake fluid may allow air to enter the brake system, possibly causing it to become ineffective. Rear brake pads 1 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 3.8 mm (0.15 in), have a Yamaha dealer replace the brake pads as a set. 1. Minimum level mark 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: q When checking the fluid level, make sure that the top of the brake fluid reservoir is level. q Use only the recommended quality brake fluid, otherwise the rubber seals may deteriorate, causing leakage and poor braking performance. Recommended brake fluid: DOT 4 6 q 1. Minimum level mark 6-20 q 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 brake fluid reservoir PERIODIC MAINTENANCE AND MINOR REPAIR 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.



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EAU22720 EAU23100 Changing the brake fluid Have a Yamaha dealer change the brake fluid at the intervals specified in the NOTE 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. q Oil seals: Replace every two years.

q Brake hose: Replace every four years. 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 q q 6 s 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.

6-21 PERIODIC MAINTENANCE AND MINOR REPAIR EAU23170 Lubricating the front and rear brake levers The pivoting points of the front and rear brake levers must be lubricated at the intervals specified in the periodic maintenance and lubrication chart. Recommended lubricant: Lithium-soap-based grease (allpurpose grease) EAU23211 Checking and lubricating the centerstand and sidestand 1 2 1. Sidestand 2. Centerstand 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.

EWA10740 6 s WARNING If the centerstand or sidestand does not move up and down smoothly, have a Yamaha dealer check or repair it. Recommended lubricant: Lithium-soap-based grease (allpurpose grease) 6-22 PERIODIC MAINTENANCE AND MINOR REPAIR EAU23271 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 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 EAU23280 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 s WARNING Securely support the motorcycle 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. Place the motorcycle on a level surface and hold it in an upright position. CAUTION: If any damage is found or the front fork does not operate smoothly, have a Yamaha dealer check or repair it. 6 s WARNING Securely support the motorcycle so that there is no danger of it falling over. 2. Hold the lower ends of the front fork legs and try to move them forward and backward.

If any free 6-23 PERIODIC MAINTENANCE AND MINOR REPAIR play can be felt, have a Yamaha dealer check or repair the steering. EAU23290 EAU1401 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 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. Place the scooter on a level surface and hold it in an upright position. NOTE: Make sure that the scooter is positioned straight up when checking the electrolyte level. 2. Remove panel B.

(See page 6-6.) 6 6-24 PERIODIC MAINTENANCE AND MINOR REPAIR 2 1 NOTE: The electrolyte should be between the minimum and maximum level marks. 4. If the electrolyte is at or below the minimum level mark, add distilled water to raise it to the maximum level mark. EWA10760 q q 3 1. Battery 2. Positive battery terminal 3. Negative battery terminal 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. ECA10610 1 6 UPPER LEVEL LOWER LEVEL 2 1. Maximum level mark 2. Minimum level mark 3. Check the electrolyte level in the battery. s WARNING q 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. 6-25 CAUTION: Use only distilled water, as tap water contains minerals that are harmful to the battery. 5. Check and, if necessary, tighten the battery lead connections and correct the breather hose routing. To store the battery 1.

If the scooter will not be used for more than one month, remove the battery, fully charge it, and then place it in a cool, dry place. PERIODIC MAINTENANCE AND MINOR REPAIR 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 EAU23630 Replacing the fuses The main fuse box and the fuse box, which contains the fuses for the individual circuits, are located under panel B. (See page 6-6.) 2 1 1. Main fuse 2. Radiator fan fuse 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. 2. Remove the blown fuse, and then install a new fuse of the specified amperage. If a fuse is blown, replace it as follows.

1. Turn the key to "e" and turn off the electrical circuit in question. Specified fuses: Main fuse: 20 A Radiator fan fuse: 4A ECA10640 6 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. 6-26 PERIODIC MAINTENANCE AND MINOR REPAIR 3. Turn the key to "f" and turn on the electrical circuit in question to check if the device operates.



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4. If the fuse immediately blows again, have a Yamaha dealer check the electrical system. EAUS1370 Replacing a headlight bulb This model is equipped with quartz bulb headlights. If a headlight bulb burns out, replace it as follows. To replace the low beam headlight bulb 1.

Remove panel A. (See page 6-6.) 1 1. Headlight coupler 3. Disconnect the headlight coupler.

GFMAMGLASOND 6 7 8 9 6 1 1. Headlight bulb cover 2. Remove the bulb cover. 1. Headlight bulb holder 1 4 Unhook the headlight bulb holder, and then remove the defective bulb.

6-27 PERIODIC MAINTENANCE AND MINOR REPAIR EWA10790 s WARNING Headlight bulbs get very hot. Therefore, keep flammable products away from a lit headlight bulb, and do not touch the bulb until it has cooled down. q 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. Headlight lens · Do not affix any type of tinted film or stickers to the headlight lens. · Do not use a headlight bulb of a wattage higher than specified. GFMAMGLASOND 6 7 8 9 1 1. Headlight bulb cover 2. Remove the bulb cover. 6 1.

Do not touch the glass part of the bulb 5. Place a new headlight bulb into position, and then secure it with the bulb holder. ECA10650 CAUTION: Take care not to damage the following parts: q Headlight bulb Do not touch the glass part of the headlight bulb to keep it free from oil, otherwise the Connect the headlight coupler. Install the headlight bulb cover. Install the panel. Have a Yamaha dealer adjust the headlight beam if necessary. To replace the high beam headlight bulb 1. Remove panel A. (See page 6-6.) 6.

7. 8. 9. 1 1. Headlight bulb holder 3.

Unhook the headlight bulb holder by turning it counterclockwise, and then remove the defective bulb 6-28 PERIODIC MAINTENANCE AND MINOR REPAIR EWA10790 s WARNING Headlight bulbs get very hot. Therefore, keep flammable products away from a lit headlight bulb, and do not touch the bulb until it has cooled down. 4. Place a new headlight bulb into position, and then secure it with the bulb holder by turning it clockwise ECA10650 · Do not affix any type of tinted film or stickers to the headlight lens. · Do not use a headlight bulb of a wattage higher than specified.

5. Install the headlight bulb cover 6. Install the panel. 7. Have a Yamaha dealer adjust the headlight beam if necessary. EAU24250 Replacing a front turn signal light bulb 2 3 1 1. Screw 2. Front turn signal light lens 3. Light bulb 6 CAUTION: Take care not to damage the following parts: q Headlight bulb 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.

q Headlight lens 6-29 1. Remove the front turn signal light lens by removing the screw. 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. PERIODIC MAINTENANCE AND MINOR REPAIR EAUS1130 Rear turn signal light bulb Replacing the tail/brake light bulb or a rear turn signal light bulb Tail/brake light bulb 7.

Install the turn signal light bulb lens. 8. Install the tail/brake light bulb lens by installing the screw. 4 3 3 2 1 1. 2.

3. 4. Turn signal light lens Screw Turn signal light bulb lens Bulb 2 1 ECA10680 CAUTION: Do not overtighten the screws, otherwise the lens may break. 1. Screw 2.

Tail/brake light lens 3. Bulb 1. Remove the tail/brake light lens by removing the screw. 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. 1.

Remove the tail/brake light bulb lens by removing the screw. 2. Remove the left or right turn signal light bulb lens by pulling it backwards. 3. Remove the bulb cap by removing the screw. 4. Remove the defective bulb by pushing it in and turning it counterclockwise. 5. Insert a new bulb into the socket, push it in, and then turn it clockwise until it stops. 6.

Install the bulb cap by installing the screw 6-30 6 PERIODIC MAINTENANCE AND MINOR REPAIR EAUM1460 EAUS1260 EAU25880 Replacing the license plate light bulb Replacing the auxiliary light bulb Troubleshooting Although Yamaha scooters receive a thorough inspection before shipment from the factory, trouble may occur during operation. Any problem in the fuel, compression, or ignition systems, for example, can cause poor starting and loss of power. The following troubleshooting charts represent quick and easy procedures for checking these vital systems yourself. However, should your scooter require any repair, take it to a Yamaha dealer, whose skilled technicians have the necessary tools, experience, and know-how to service the scooter properly.

Use only genuine Yamaha replacement parts.

Imitation parts may look like Yamaha parts, but they are often inferior, have a shorter service life and can lead to expensive repair bills. GFMAMGLASOND 6 7 8 9 3 2 1 6 1. Screw 2. License plate light cover 3. Socket 1 1.

Auxiliary light bulb socket 1. Remove the license plate light cover by removing the screw. 2. Remove the socket (together with the bulb) by pulling it out. 3. Remove the defective bulb by pulling it out. 4. Insert a new bulb into the socket. 5. Install the socket (together with the bulb) by pushing it in.

6. Install the license plate light cover by installing the screw. If the auxiliary light bulb burns out, replace it as follows. 1. Remove panel A. (See page 66.). 2. Remove the socket (together with the bulb) by pulling it out. 3.

Remove the defective bulb by pulling it out. 4. Insert a new bulb into the socket. 5. Install the socket (together with the bulb) by pushing it in.

6. Install the panel A. 6-31 PERIODIC MAINTENANCE AND MINOR REPAIR EAU25941 Troubleshooting charts Starting problems or poor engine performance EWA10840 s WARNING Keep away open flames and do not smoke while checking or working on the fuel system. 1. Fuel There is enough fuel. Check the fuel level in the fuel tank. There is no fuel. Supply fuel. Check the compression. The engine does not start. Check the compressoin. 2. Compression There is compression. Operate the electric starter. There is no compression.

Have a Yamaha dealer check the vehicle. Check the ignition. 6 3. Ignition Remove the spark plugs and check the electrodes. Wet Wipe off with a dry cloth and correct the spark plug gaps, or replace the spark plugs. Open the throttle halfway and operate the electric starter.



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