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You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA PW80. You'll find the answers to all your questions on the YAMAHA PW80 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual YAMAHA PW80
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Manual abstract:

@@@2500 Shingai, Iwata, Japan, declare in sole responsibility, that the product PW80 (JYA4BC00000109301 (Make, model)) to which this declaration applies, conforms to the essential health and safety requirements of Directive 98/37/EC, 2006/42/EC (If applicable) and to the other relevant Directives of EEC 2004/108/EC (Title and /or number and date of issue of the other Directives of EEC) (If applicable) To effect correct application of the essential health and safety requirements stated in the Directives of EEC, the following standards and / or technical specifications were consulted: (Title and /or number and date of issue of standards and/or specifications) Authorized Representative YAMAHA MOTOR EUROPE N.V. Koolhovenlaan 101,1119 NC Schiphol Rijk, The Netherlands Signature Kunihiko Miwa Division Manager Motorcycle Headquarters Product Development Operations Date of Issue 27 February , 2009 INTRODUCTION EAU41582 Congratulations on your purchase of the Yamaha PW80(Z). This model is the result of Yamaha's vast experience in the production of fine sporting, touring, and pacesetter racing machines. It represents the high degree of craftsmanship and reliability that have made Yamaha a leader in these fields. @@@@To maintain these high standards, it is important that you and your Yamaha dealer pay close attention to the recommended maintenance schedules and operating instructions contained within this manual. Yamaha continually seeks advancements in product design and quality. Therefore, while this manual contains the most current product information available at the time of printing, there may be minor discrepancies between your motorcycle and this manual. If there is any question concerning this manual, please consult a Yamaha dealer. EWA10031

WARNING Please read this manual carefully and completely before operating this motorcycle.

EWA14351 WARNING This motorcycle is designed and manufactured for off-road use only. It is illegal to operate this motorcycle on any public street, road or highway. Such use is prohibited by law. This motorcycle complies with almost all state off-highway noise level and spark arrester laws and regulations.

Please check your local riding laws and regulations before operating this motorcycle.

AN IMPORTANT SAFETY MESSAGE: G Read this manual carefully and completely before operating this motorcycle. Make sure you understand all instructions. G Pay close attention to the warning and notice labels on the motorcycle. G Never operate a motorcycle without proper training or instruction.

G Weight of the rider should not exceed 40 kg (88 lb).

INTRODUCTION AN IMPORTANT NOTE TO PARENTS: This motorcycle is not a toy. Before you let your child ride this motorcycle, you should understand the instructions and warnings in this Owner's Manual. Then be sure your child understands and will follow them. Children differ in skills, physical abilities, and judgment. Some children may not be able to operate a motorcycle safely. Parents should supervise their child's use of the motorcycle at all times. Parents should permit continued use only if they determine that the child has the ability to operate the motorcycle safely. Your motorcycle was delivered with a removable power reduction plate. Yamaha recommends that all beginners start off with the power reduction plate installed to limit the engine power available while they learn. Parents should decide when to remove the power reduction plate from the motorcycle for more power as their youngster's riding skills improve.

Once the rider can operate with skill at the top speed permitted by power reduction plate installed, the power reduction plate can be removed. Motorcycles are single track vehicles. Their safe use and operation are dependent upon the use of proper riding techniques as well as the expertise of the operator. Every operator should know the following requirements before riding this motorcycle. He or she should: G Obtain thorough instructions from a competent source on all aspects of motorcycle operation. G Observe the warnings and maintenance requirements in this Owner's Manual. G Obtain qualified training in safe and proper riding techniques. G Obtain professional technical service as indicated in this Owner's Manual and/or when made necessary by mechanical conditions. IMPORTANT MANUAL INFORMATION EAU10132 Particularly important information is distinguished in this manual by the following notations: This is the safety alert symbol. It is used to alert you to potential personal injury hazards.

Obey all safety messages that follow this symbol to avoid possible injury or death. WARNING A WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury. A NOTICE indicates special precautions that must be taken to avoid damage to the vehicle or other property.

A TIP provides key information to make procedures easier or clearer. NOTICE TIP IMPORTANT MANUAL INFORMATION EAU10200 PW80(Z) OWNER'S MANUAL ©2009 by Yamaha Motor Co.

, Ltd. 1st edition, March 2009 All rights reserved. Any reprinting or unauthorized use without the written permission of Yamaha Motor Co., Ltd. is expressly prohibited.

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..... 10-1 LOCATION OF IMPORTANT LABELS EAU48130 Read and understand all of the labels on your vehicle. They contain important information for safe and proper operation of your vehicle. Never remove any labels from your vehicle. If a label becomes difficult to read or comes off, a replacement label is available from your Yamaha dealer. For Europe 1 2 1 2 3 3 4 5 6 7 8 9 4 1-1 LOCATION OF IMPORTANT LABELS For Europe 1 1 2 3 4 5PG-2817L-10 4 2 5 6 7 8 9 3 100 1.

00 15 100 1.00 15 5PG-2816R-00 1-2 LOCATION OF IMPORTANT LABELS Familiarize yourself with the following pictograms and read the explanatory text. Read the Owner's manual. Use unleaded gasoline only. 1 2 3 This unit contains high-pressure nitrogen gas. Mishandling can cause explosion. Do not incinerate, puncture or open. Measure tire pressure when tires are cold. 4 5 6 7 Turn off the main switch after riding to avoid draining the battery. **.

* kPa *** kgf/cm² * psi ** kPa *** kgf/cm² *.

* psi Adjust tire pressure. Improper tire pressure can cause loss of control. Loss of control can result in severe injury or death. 8 9 1-3 LOCATION OF IMPORTANT LABELS For Oceania and South Africa 1 1 2 3 4 5 6 7 8 9 3 2 1-4 LOCATION OF IMPORTANT LABELS For Oceania and South Africa 1 Before you operate this vehicle, read the owner's manual. Prima di usare il veicolo, leggete il manuale di istruzioni.

Lire le manuel du propriétaire avant d'utiliser ce véhicule. Lesen Sie die Bedienungsanleitung bevor Sie dieses Fahrzeug fahren. Antes de conducir este vehículo, lea el Manual del Propietario. 5PA-21568-01 3 1 2 3 2 4 Cold tire normal pressure should be set as follows. FRONT : 100 kPa,{1.00 kgf/cm²}, 15 psi REAR : 100 kPa,{1.00 kgf/cm²}, 15 psi 3RV-21668-A0 5 6 7 8 9 1-5 SAFETY INFORMATION EAU41214 1 2 3 4 5 6 7 8 9 Be a Responsible Owner As the vehicle's owner, you are responsible for the safe and proper operation of your motorcycle. Motorcycles are single-track vehicles. Their safe use and operation are dependent upon the use of proper riding techniques as well as the expertise of the operator. Every operator smell 2-2 any engine exhaust.

Deadly levels of carbon monoxide can collect rapidly and you can quickly be overcome and unable to save yourself. Also, deadly levels of carbon monoxide can linger for hours or days in enclosed or poorly ventilated areas. If you experience any symptoms of carbon monoxide poisoning, leave the area immediately, get fresh air, and **SEEK MEDICAL TREATMENT**. **Do not run engine indoors.** Even if you try to ventilate engine exhaust with fans or open windows and doors, carbon monoxide can rapidly reach dangerous levels. **Do not run engine in poorly ventilated or partially enclosed areas such as barns, garages, or carports.** **Do not run engine outdoors where engine exhaust can be drawn into a building through openings such as windows and doors.**

Loading Adding accessories to your motorcycle sizes, and combinations may not be appropriate. Refer to page 7-12 for tire specifications and more information on replacing your tires. 2 3 4 5 6 7 8 9 G G 2-4 DESCRIPTION EAU10410 Left view 1 2 3 4 5 6 7 1 2 3 4 5 7 8 9 1.

2. 3. 4. 5. 6.

7. Air filter element (page 7-8) Fuel cock (page 4-5) Throttle stop screw (page 7-10) Starter (choke) lever (page 4-6) 2-stroke engine oil tank (page 4-4) Sidestand (page 4-8) Shift pedal (page 4-1) 3-1 6 DESCRIPTION EAU10420 Right view 1 2 3 2 3 4 5 6 7 6 1. 2. 3. 4.

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(See page 7-6.) Shift pedal 2 1 1. Shift pedal 3 4 5 6 7 8 9 1. Engine stop switch "ENGINE STOP" EAU41130 Engine stop switch "ENGINE STOP" Set this switch to "RUN" before starting the engine. Set this switch to "OFF" to stop the engine. This motorcycle is equipped with a constant-mesh 3-speed transmission. The shift pedal is located on the left side of the engine. Neutral is at the bottom position. 4-1 INSTRUMENT AND CONTROL FUNCTIONS EAU12890 EAU12941 EAU13182 Brake lever 1 1 Brake pedal Fuel tank cap 1 2 3 4 5 6 7 8 9 1 1. Brake lever 1.

Brake pedal 1. Fuel tank cap 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.

To remove the fuel tank cap, turn it counterclockwise, and then pull it off. To install the fuel tank cap, insert it into the tank opening, and then turn it clockwise. EWA11091 WARNING Make sure that the fuel tank cap is properly closed after filling fuel. Leaking fuel is a fire hazard. 4-2 INSTRUMENT AND CONTROL FUNCTIONS EAU13221 Fuel Make sure there is sufficient gasoline in the tank.

EWA10881 1 2 WARNING Gasoline and gasoline vapors are extremely flammable. To avoid fires and explosions and to reduce the risk of injury when refueling, follow these instructions. 1. Before refueling, turn off the engine and be sure that no one is sitting on the vehicle. Never refuel while smoking, or while in the vicinity of sparks, open flames, or other sources of ignition such as the pilot lights of water heaters and clothes dryers. 2. Do not overfill the fuel tank. When refueling, be sure to insert the pump nozzle into the fuel tank filler hole. Stop filling when the fuel reaches the bottom of the filler tube. Because fuel expands when it heats up, heat from the engine or the sun can cause fuel to spill out of the fuel tank.

your eyes, see your doctor immediately. If gasoline spills on your skin, wash with soap and water. If gasoline spills on your clothing, change your clothes.



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EAU41960 2 3 4 5 6 7 8 9 1. Fuel tank filler tube 2. Fuel level 3. Wipe up any spilled fuel immediately. NOTICE: Immediately wipe off spilled fuel with a clean, dry, soft cloth, since fuel may deteriorate painted surfaces or plastic parts.[ECA10071] 4. Be sure to securely close the fuel tank cap.

EWA15151 Recommended fuel: For Europe: REGULAR UNLEADED GASOLINE ONLY Except for Europe: UNLEADED GASOLINE ONLY Fuel tank capacity: 4.9 L (1.29 US gal, 1.08 Imp.gal) Fuel reserve amount: 1.

0 L (0.26 US gal, 0.22 Imp.gal) ECA15590 WARNING Gasoline is poisonous and can cause injury or death. Handle gasoline with care.

Never siphon gasoline by mouth. If you should swallow some gasoline or inhale a lot of gasoline vapor, or get some gasoline in 4-3 NOTICE Use only unleaded gasoline. The use of leaded gasoline will cause severe damage to internal engine parts, such as the piston rings as well as to the exhaust system.

Your Yamaha engine has been designed to use regular unleaded gasoline with a research octane number of 91 or higher. If knocking (or pinging) occurs, use a gasoline of a different brand or premium unleaded fuel. Use of unleaded fuel will extend spark plug life and reduce maintenance costs. 1 2 3 4 5 6 7 8 9 EAU13412 EAU41202 Fuel tank breather hose 1 2-stroke engine oil Make sure that there is sufficient oil in the 2-stroke engine oil tank. If the 2-stroke engine oil is at or below the minimum level as shown in the illustration, add a sufficient amount of the recommended 2-stroke engine oil as follows. 1. Fuel tank breather hose Before operating the motorcycle: G Check the fuel tank breather hose connection.

G Check the fuel tank breather hose for cracks or damage, and replace it if damaged. G Make sure that the fuel tank breather hose is not blocked, and clean it if necessary. 1 1. Minimum level TIP Make sure that the motorcycle is positioned straight up when checking the 2-stroke engine oil level. A slight tilt to the side can result in a false reading. 1. Remove the seat. (See page 4-7.) 2. Remove the 2-stroke engine oil 4-4 INSTRUMENT AND CONTROL FUNCTIONS tank cap and add the recommended oil.

EAU13561 Fuel cock The fuel cock supplies fuel from the tank to the carburetor while filtering it also. The fuel cock has three positions: OFF ON RES OFF ON ON FUEL 1 2 2 1 3 4 5 6 RES 1. Arrow mark positioned over "ON" 1. 2-stroke engine oil tank 2. 2-stroke engine oil tank cap OFF ON FUEL Recommended oil: See page 9-1.

Oil quantity: 0.75 L (0.79 US qt, 0.66 Imp.qt) 1 1.

Arrow mark positioned over "OFF" With the lever in this position, fuel flows to the carburetor. Normal riding is done with the lever in this position. RES RES RES OFF ON FUEL 3. Install the 2-stroke engine oil tank cap. ECA16670 7 8 NOTICE Make sure that the 2-stroke engine oil tank cap is properly installed. 4. Install the seat. With the lever in this position, fuel will not flow. Always return the lever to this position when the engine is not running. 1 9 1.

Arrow mark positioned over "RES" 4-5 INSTRUMENT AND CONTROL FUNCTIONS This indicates reserve. If you run out of fuel while riding, move the lever to this position. Fill the tank at the first opportunity. Be sure to set the lever back to "ON" after refueling! EAU13590 EAU13680 Starter (choke) lever " " Kickstarter 1 2 3 1 (b) 1 (a) 1. Starter (choke) lever " " 1. Kickstarter 4 5 6 7 8 9 Starting a cold engine requires a richer air-fuel mixture, which is supplied by the starter (choke). Move the lever in direction (a) to turn on the starter (choke). Move the lever in direction (b) to turn off the starter (choke). To start the engine, fold out the kickstarter lever, move it down lightly with your foot until the gears engage, and then push it down smoothly but forcefully. 4-6

INSTRUMENT AND CONTROL FUNCTIONS EAU41140 EAU46021 Seat To remove the seat Remove the nuts, and then pull the seat off.

2 1 Shock absorber assembly EWA10221 1. Seat holder 2. Projection 1 1. Nut 2. Place the seat in the original position, and then tighten the nuts.

TIP Make sure that the seat is properly secured before riding. To install the seat 1. Insert the projection on the front of the seat into the seat holder as shown. WARNING This shock absorber assembly contains highly pressurized nitrogen gas. Read and understand the following information before handling the shock absorber assembly.

G Do not tamper with or attempt to open the cylinder assembly. G Do not subject the shock absorber assembly to an open flame or other high heat source. This may cause the unit to explode due to excessive gas pressure. G Do not deform or damage the cylinder in any way. Cylinder damage will result in poor damping performance. G Do not dispose of a damaged or worn-out shock absorber assembly yourself. Take the shock absorber assembly to a Yamaha dealer for any service. 2 3 4 5 6 7 8 9 4-7 INSTRUMENT AND CONTROL FUNCTIONS EAU37490 Sidestand 1 2 3 4 5 6 7 8 9 1 1. 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.

EWA14190 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. 4-8 FOR YOUR SAFETY PRE-OPERATION CHECKS EAU15596 Inspect your vehicle each time you use it to make sure the vehicle is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in the Owner's Manual. EWA11151 WARNING Failure to inspect or maintain the vehicle properly increases the possibility of an accident or equipment damage. Do not operate the vehicle if you find any problem. If a problem cannot be corrected by the procedures provided in this manual, have the vehicle inspected by a Yamaha dealer. Before using this vehicle, check the following points: ITEM G 2 3 CHECKS G G G PAGE 4-3 Fuel 2-stroke engine oil Transmission oil G G G G Front brake G G G G Rear brake G G G Throttle grip G G Control cables G G Check fuel level in fuel tank. Refuel if necessary. Check fuel line for leakage. Check oil level in oil tank.

If necessary, add recommended oil to specified level. Check vehicle for oil leakage. Check oil level in transmission case. If necessary, add recommended oil to specified level. Check operation.

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

Adjust if necessary. 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.



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Replace if necessary. Check air pressure. Correct if necessary.

Check bearings for smooth operation. Replace if necessary. Check bearing assemblies for looseness. Moderately repack with lithium-soap-based grease. Check chain slack/alignment and condition. @ @ Remove and clean. Check all chassis fitting and fasteners. Replace if necessary. Check operation. Apply lithium-soap-based grease lightly.

Check operation and for oil leakage. Replace if necessary. Check operation and for oil leakage. Replace if necessary. Check engine idling speed and starter operation. Clean. Replace if necessary. @ @ ITEM CHECK OR MAINTENANCE JOB Check operation. Correct if necessary. Check for oil leakage. Correct if necessary. Change (warm engine before draining). Apply Yamaha chain and cable lube or engine oil 10W-30 lightly. Check operation and free play. Apply Yamaha chain and cable lube or engine oil 10W-30 lightly.

Apply lithium-soap-based grease lightly. Apply lithium-soap-based grease lightly. Check for leakage. Tighten if necessary. Decarbonize if necessary. Clean. @ @ @ @ @ To remove the spark plug 1. @ @ Spark plug wrench To install the spark plug 1. @ @ @ @ @ Do not attempt to diagnose such problems yourself. Instead, have a Yamaha dealer check the vehicle. 2. @ @ Spark plug gap 1. @ @ @ @ @ 3. @ @ 1 2 3 4 5 6 7 8 9 1. @ @ 1.

Remove the exhaust manifold by removing the bolts. WARNING! @ @ Exhaust manifold 2. Gasket 3. @ @ @ @ 4. @ @ @ @ Remove the gasket. 3. @ @ @ @ @ A slight tilt to the side can result in a false reading. 2. @ @ @ @ Transmission oil drain bolt 3 4 5 6 7 8 9 1 2 3 4 1. 2.

3. 4. 1 Transmission oil filler cap Dipstick Maximum level mark Minimum level mark 3. If the oil is below the minimum level mark, add sufficient oil of the recommended type to raise it to the correct level. 4.

Insert the dipstick into the oil filler hole, and then tighten the oil filler cap. 1. Place an oil pan under the transmission to collect the used oil. 2. Remove the oil filler cap and drain bolt to drain the oil from the transmission.

3. Install the transmission oil drain bolt, and then tighten it to the specified torque. Tightening torque: Transmission oil drain bolt: 20 Nm (2.0 m·kgf, 14.5 ft·lbf) 1. Place the vehicle on a level surface and hold it in an upright position. TIP Make sure that the vehicle is positioned 7-7 4. Refill with the specified amount of the recommended transmission oil, and then install and tighten the oil filler cap. PERIODIC MAINTENANCE AND ADJUSTMENT EAU41162 Recommended transmission oil: See page 9-1. Oil change quantity: 0.

65 L (0.69 US qt, 0.57 Imp. qt) Cleaning the air filter element The air filter element should be cleaned at the intervals specified in the periodic maintenance and lubrication chart. Clean the air filter element more frequently if you are riding in unusually wet or dusty areas. 1. Remove the air filter case cover by removing the screws. 1 2 3 4 5 6 7 8 9 ECA10452 NOTICE G In order to prevent clutch slippage (since the transmission oil also lubricates the clutch), do not mix any chemical additives. Do not use oils with a diesel specification of "CD" or oils of a higher quality than specified. In addition, do not use oils labeled "ENERGY CONSERVING II" or higher.

G Make sure that no foreign material enters the transmission. 5. Start the engine, and then let it idle for several minutes while checking the transmission for oil leakage. If oil is leaking, immediately turn the engine off and check for the cause. 1 3.

Remove the sponge material from the air filter case cover, clean it with solvent, and then squeeze the remaining solvent out. 2 2 1. Air filter case cover 2. Screw 2 1 1. Sponge material 2.

Air filter case cover 2. Pull the air filter element out. 7-8 PERIODIC MAINTENANCE AND ADJUSTMENT erated without the air filter element installed, otherwise the piston(s) and/or cylinder(s) may become excessively worn. [ECA10481] 7. Install the air filter case cover by installing the screws. EAU41232 Cleaning the spark arrester The spark arrester should be cleaned at the intervals specified in the periodic maintenance and lubrication chart. EWA10980 G 4. Apply oil of the recommended type to the entire surface of the sponge material, and then squeeze the excess oil out. TIP The sponge material should be wet but not dripping. Recommended oil: Yamaha foam air filter oil or other quality foam air filter oil G WARNING Always let the exhaust system cool prior to touching exhaust components.

Do not start the engine when cleaning the exhaust system. 2 3 4 5 6 7 8 9 1. Remove the tailpipe by removing the bolt, and then pulling it out of the muffler. 5. Install the sponge material onto the air filter case cover. 6. Insert the air filter element into the air filter case. NOTICE: Make sure that the air filter element is properly seated in the air filter case. The engine should never be op7-9 1 1. Bolt 2.

@ @ @ @ @ @ The engine should be warm before making this adjustment. TIP G G 1 4 5 6 7 8 9 2 3 1. Tailpipe 2. Spark arrester 3. Bolt 3. @ @ @ @ @ Attach the tachometer to the spark plug lead. 2. @ @ To increase the engine idling speed, turn the screw in direction (a). @ @ Throttle stop screw (a) (b) 2 3 1 1. Locknut 2.

@ @ @ @ Periodically check the throttle cable free play and, if necessary, adjust it as follows. TIP The engine idling speed must be correctly adjusted before checking and adjusting the throttle cable free play. 1. Loosen the locknut. 2. To increase the throttle cable free play, turn the adjusting nut in direction (a). To decrease the throttle 7-11 3. Tighten the locknut. PERIODIC MAINTENANCE AND ADJUSTMENT EAU39821 Tires 1 2 3 4 5 6 7 8 9 To maximize the performance, durability, and safe operation of your motorcycle, note the following points regarding the specified tires. Tire air pressure The tire air pressure should be checked and, if necessary, adjusted before each ride.

EWA14381 Standard tire air pressure: Front: 100 kPa (1.00 kgf/cm², 15 psi) Rear: 100 kPa (1.00 kgf/cm², 15 psi) Tire information This motorcycle is equipped with spoke wheels and tube tires. EWA10461 Tire inspection 2 WARNING The front and rear tires should be of the same make and design, otherwise the handling characteristics of the vehicle may be different, which could lead to an accident. After extensive tests, only the tires listed below have been approved for this model by Yamaha Motor Co., Ltd. Front tire: Size: 2.50-14 4PR Manufacturer/model: CHENG SHIN/KNOBBY Rear tire: Size: 3.00-12 4PR Manufacturer/model: CHENG SHIN/KNOBBY EWA14390 WARNING Operation of this vehicle with improper tire pressure may cause severe injury or death from loss of control. G The tire air pressure must be checked and adjusted on cold tires (i. e., when the temperature of the tires equals the ambient temperature). G The tire air pressure must be adjusted in accordance with the weight of the rider, the riding speed, and the riding conditions. 1 1. Tire sidewall 2. Tire tread depth The tires must be checked before each ride.



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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): 4.0 mm (0.16 in) 7-12 G WARNING Have a Yamaha dealer replace excessively worn tires. Operating the motorcycle with excess- PERIODIC MAINTENANCE AND ADJUSTMENT sively 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 Yamaha dealer, who has the necessary professional knowledge and experience. It is not recommended to patch a punctured tube. If unavoidable, however, patch the tube very carefully and replace it as soon as possible with a high-quality product. EAU21940 EAU22120 Spoke wheels To maximize the performance, durability, and safe operation of your motorcycle, note the following points regarding the specified wheels. G The wheel rims should be checked for cracks, bends or warpage, and the spokes for looseness or damage before each ride. If any damage is found, have a Yamaha dealer replace the wheel. Do not attempt even the smallest repair to the wheel. A deformed or cracked wheel must be replaced. 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. Adjusting the brake lever free play G (a) 1 2 3 G 2 1. Brake lever free play 2. Locknut 3. Adjusting bolt (b) 3 4 5 6 7 8 9 The brake lever free play should measure 10.020.0 mm (0.390.79 in) as shown. Periodically check the brake lever free play and, if necessary, adjust it as follows. 1. Loosen the locknut at the brake lever. 2. To increase the brake lever free play, turn the adjusting bolt in direction (a).

To decrease the brake lever free play, turn the adjusting bolt in direction (b). 7-13 PERIODIC MAINTENANCE AND ADJUSTMENT 3. If the specified brake lever free play could be obtained as described above, tighten the locknut and skip the rest of the procedure, otherwise proceed as follows. 4. Fully turn the adjusting bolt at the brake lever in direction (a) to loosen the brake cable.

5. Loosen the locknut at the brake shoe plate. 6. To increase the brake lever free play, turn the adjusting nut in direction (a). To decrease the brake lever free play, turn the adjusting nut in direction (b). shoe plate and at the brake lever. EAU39812 Adjusting the brake pedal free play 1 2 3 4 5 6 7 8 9 1 1. Brake pedal free play 2 (a) (b) 1 The brake pedal free play should measure 10.020.0 mm (0.

390.79 in) at the brake pedal end as shown. Periodically check the brake pedal free play and, if necessary, adjust it as follows. To increase the brake pedal free play, turn the adjusting nut at the brake rod in direction (a). To decrease the brake pedal free play, turn the adjusting nut in direction (b). 1. Locknut 2. Adjusting nut 7. Tighten the locknut at the brake 7-14 PERIODIC MAINTENANCE AND ADJUSTMENT EAU41052 1 Checking the front and rear brake shoes The front and rear brake shoes must be checked for wear at the intervals specified in the periodic maintenance and lubrication chart. Rear (a) (b) 1. Brake pedal free play adjusting nut EWA10680 2 3 If the lining thickness of a brake shoe is less than 1.5 mm (0.06 in), have a Yamaha dealer replace the brake shoes as a set. TIP Be sure to measure the brake lining at the thinnest portion. 4 5 6 7 8 9 G G G WARNING After adjusting the drive chain slack or removing and installing the rear wheel, always check the brake pedal free play.

If proper adjustment cannot be obtained as described, have a Yamaha dealer make this adjustment. After adjusting the brake pedal free play, check the operation of the brake light. TIP The wheels must be removed to check brake shoe lining thickness. G To remove the front wheel: See page 7-22. G To remove the rear wheel: See page 7-24.

Front 7-15 PERIODIC MAINTENANCE AND ADJUSTMENT EAU22760 Drive chain slack 1 2 3 4 5 6 7 8 9 The drive chain slack should be checked before each ride and adjusted if necessary. 3 2 1 4 EAU22773 To check the drive chain slack 1. Place the motorcycle on the sidestand. TIP 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: 40.053.

0 mm (1.572.09 in) 1. Drive chain slack 1 1. 2. 3. 4. Brake pedal free play adjusting nut Locknut Drive chain slack adjusting nut Wheel axle 4. If the drive chain slack is incorrect, adjust it as follows. EAU40111 To adjust the drive chain slack 1. Loosen the brake pedal free play adjusting nut, axle nut, and locknut at each end of the swingarm. 2. To tighten the drive chain, turn the drive chain slack adjusting nut at each end of the swingarm in direction (a). To loosen the drive chain, turn the adjusting nut at each end of the swingarm in direction (b), and then push the rear wheel forward. NOTICE: Improper drive chain slack will overload the engine as well as other vital parts of the motorcycle and can lead to chain slippage or breakage.

To prevent this from occurring, keep the drive chain slack with- 7-16 PERIODIC MAINTENANCE AND ADJUSTMENT in the specified limits.[ECA10571] TIP Using the alignment marks on each side of the swingarm, make sure that both adjusting nuts are in the same position for proper wheel alignment.

EAU23013 Tightening torques: Locknut: 6.5 Nm (0.7 m·kgf, 4.7 ft·lbf) Axle nut: 60 Nm (6.0 m·kgf, 43.4 ft·lbf) 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 4. Adjust the brake pedal free play. (See page 7-14.) 2 3 4 5 6 7 8 9 2 1 3 (a) 5 4 1. 2. 3.

4. 5. (b) NOTICE The drive chain must be lubricated after washing the motorcycle and riding in the rain. 1. Remove all dirt and mud from the drive chain with a brush or cloth. TIP For a thorough cleaning, have a Yamaha dealer remove the drive chain and soak it in solvent. 2. Spray Yamaha Chain and Cable Lube or a high-quality spray-type drive chain lubricant on both sides and on the middle of the chain, making sure that all side plates and rollers have been sufficiently oiled. 7-17 Alignment marks Drive chain slack adjusting nut Locknut Washer Axle nut 3. Tighten both locknuts and the axle nut to the specified torques.



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PERIODIC MAINTENANCE AND ADJUSTMENT EAU41842 EAU23111 EAU23120 Checking and lubricating the cables 1 2 3 4 5 6 7 8 9 The operation of all control cables and the condition of the cables should be checked before each ride, and the cables and cable ends should be lubricated if necessary. If a cable is damaged or does not move smoothly, have a Yamaha dealer check or replace it. WARNING! Damage to the outer housing of cables may result in internal rusting and cause interference with cable movement. Replace damaged cables as soon as possible to prevent unsafe conditions.[EWA10711] Recommended lubricant: Yamaha Chain and Cable Lube or 4-stroke engine oil Checking and lubricating the throttle grip and cable The operation of the throttle grip should be checked before each ride.

In addition, the cable should be lubricated at the intervals specified in the periodic maintenance chart. Adjusting the Autolube pump The Autolube pump is a vital and sophisticated component of the engine, which must be adjusted by a Yamaha dealer at the intervals specified in the periodic maintenance and lubrication chart. 7-18 PERIODIC MAINTENANCE AND ADJUSTMENT EAU43622 EAU23182 EAU23202 Checking and lubricating the brake lever Checking and lubricating the brake pedal Checking and lubricating the sidestand 2 3 4 The operation of the brake lever should be checked before each ride, and the lever pivot should be lubricated if necessary. Recommended lubricant: Lithium-soap-based grease The operation of the brake pedal should be checked before each ride, and the pedal pivot should be lubricated if necessary. Recommended lubricant: Lithium-soap-based grease 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.

EWA10731 5 6 7 8 9 WARNING If the sidestand does not move up and down smoothly, have a Yamaha dealer check or repair it. Otherwise, the sidestand could contact the ground and distract the operator, resulting in a possible loss of control. Recommended lubricant: Lithium-soap-based grease 7-19

PERIODIC MAINTENANCE AND ADJUSTMENT EAU23272 EAU23283 Checking the front fork 1 2 3 4 5 6 7 8 9 The condition and operation of the front fork must be checked as follows at the intervals specified in the periodic maintenance and lubrication chart. To check the condition Check the inner tubes for scratches, damage and excessive oil leakage. ECA10590 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. (See page 7-21 for more information.) WARNING! To avoid injury, securely support the vehicle so there is no danger of it falling over.

[EWA10751] 2. Hold the lower ends of the front fork legs and try to move them forward and backward. If any free play can be felt, have a Yamaha dealer check or repair the steering. To check the operation 1. Place the vehicle on a level surface and hold it in an upright position. WARNING! To avoid injury, securely support the vehicle so there is no danger of it falling over.[EWA10751] 2. While applying the front brake, push down hard on the handlebars several times to check if the front fork compresses and rebounds smoothly. NOTICE If any damage is found or the front fork does not operate smoothly, have a Yamaha dealer check or repair it. 7-20 PERIODIC MAINTENANCE AND ADJUSTMENT EAU23290 EAU24350 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. 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 a jack either under each side of the 2 3 4 5 6 7 8 9 7-21 PERIODIC MAINTENANCE AND ADJUSTMENT frame in front of the rear wheel or under each side of the swingarm. EAU24360 Front wheel EAU41532 1 2 EWA10821 1 2 3 4 5 6 7 8 9 To remove the front wheel WARNING To avoid injury, securely support the vehicle so there is no danger of it falling over.

1. Remove the brake cable holder by removing the bolt. 1. 2. 3. 4. 5. 3 4 5 Adjusting nut Locknut Washer Axle nut Brake camshaft lever 1 2 3. Loosen the locknut at the brake lever, and then turn the adjusting bolt fully in direction (a). 1.

Brake cable holder 2. Bolt 2. Loosen the brake cable locknut at the front wheel hub, and then turn the brake cable free play adjusting bolt fully in direction (a). 7-22 PERIODIC MAINTENANCE AND ADJUSTMENT 1 2 1 1 2 2 3 1. Adjusting bolt 2. Locknut 1. Washer 2. Axle nut 1. Brake shoe plate (a) 4. Disconnect the brake cable from the front brake lever.

5. Disconnect the brake cable from the brake camshaft lever. 6. Remove the brake cable free play adjusting bolt and the brake cable locknut at the front wheel hub. 7.

Remove the axle nut and washer. 8. Lift the front wheel off the ground according to the procedure on page 7-21. 9. Pull the wheel axle out, and then remove the wheel.

EAU41550 2. Lift the wheel up between the fork legs. TIP Make sure that the slot in the brake shoe plate fits over the retainer on the fork leg. 4 5 6 7 8 9 To install the front wheel 1. Install the brake shoe plate into the wheel hub as shown. 7-23 PERIODIC MAINTENANCE AND ADJUSTMENT (See page 7-13.)

10. Push down hard on the handlebar several times to check for proper fork operation. 1 2 3 1. Retainer EAU25080 Rear wheel EAU41562 To remove the rear wheel EWA10821 1 WARNING To avoid injury, securely support the vehicle so there is no danger of it falling over.

1. Loosen the axle nut. 4 5 6 7 8 9 3. Insert the wheel axle, and then install the washer and axle nut. 4. Lower the front wheel so that it is on the ground. 5. Connect the brake cable at the wheel hub. 6. Connect the brake cable at the front brake lever.

7. Install the brake cable holder by installing the bolt. 8. Tighten the axle nut to the specified torque. Tightening torque: Axle nut: 35 Nm (3.



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5 m·kgf, 25.3 ft·lbf) 1 2 5 4 1. 2. 3. 4.

5. 3 Drive chain slack adjusting nut Locknut Chain puller Washer Axle nut 9. Adjust the brake lever free play. 7-24 2. Remove the brake pedal free play adjusting nut, and then disconnect PERIODIC MAINTENANCE AND ADJUSTMENT the brake rod from the brake camshaft lever. 3. Disconnect the brake torque rod from the brake shoe plate by removing the cotter pin, the nut, and the bolt. 4. Loosen the locknut and drive chain adjusting nut on each end of the swingarm. 5.

Lift the rear wheel off the ground according to the procedure on page 7-21. 6. Remove the axle nut and washer, and then pull the wheel axle out. 7. Push the wheel forward, and then remove the drive chain from the rear sprocket. EAU41571 3 4 5 6 7 8 10 9 TIP The drive chain does not need to be disassembled in order to remove and install the wheel. 8. Remove the spacer, chain pullers and wheel by pulling it back. 2 To install the rear wheel 1. Install the drive chain onto the rear sprocket.

2. Install the wheel by inserting the chain pullers, spacer and then insert the wheel axle from the right-hand side. 3. Install the brake rod onto the brake camshaft lever, and then install the brake pedal free play adjusting nut onto the brake rod. 4.

Connect the brake torque rod onto the brake shoe plate by installing the bolt and nut, and then tighten the nut to the specified torque. Tightening torque:
Brake torque rod nut: 15.5 Nm (1.6 m·kgf, 11.2 ft·lbf) 2 3 4 5 6 7 8 9 1 1.

Brake pedal free play adjusting nut 2. Spacer 3. Chain puller 4. Wheel axle 5. Drive chain slack adjusting nut 6. Locknut 7. Brake torque rod 8. Brake torque rod bolt 9. Cotter pin 10. Brake torque rod nut 5.

Insert a new cotter pin into the brake torque rod bolt. WARNING! Always use a new cotter pin. [EWA10831] 6. Install the washer and axle nut, and then lower the rear wheel so that it is on the ground. 7. Adjust the drive chain slack. (See page 7-16.) 7-25 PERIODIC MAINTENANCE AND ADJUSTMENT 8. Tighten the axle nut to the specified torque. Tightening torque: Axle nut: 60 Nm (6.

0 m·kgf, 43.4 ft·lbf) EAU25851 Troubleshooting Although Yamaha motorcycles 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 chart represents a quick and easy procedure for checking these vital systems yourself. However, should your motorcycle require any repair, take it to a Yamaha dealer, whose skilled technicians have the necessary tools, experience, and know-how to service the motorcycle 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. EWA15141 heaters or furnaces. Gasoline or gasoline vapors can ignite or explode, causing severe injury or property damage. 1 2 3 4 5 6 7 8 9 9.

Adjust the brake pedal free play. (See page 7-14.) WARNING When checking the fuel system, do not smoke, and make sure there are no open flames or sparks in the area, including pilot lights from water 7-26 PERIODIC MAINTENANCE AND ADJUSTMENT EAU25972 Troubleshooting chart 1. Fuel Check the fuel level in the fuel tank. There is enough fuel. There is no fuel. Check the compression. Supply fuel. The engine does not start. Check the compression.

2 3 2. Compression There is compression. Operate the kickstarter. There is no compression. Have a Yamaha dealer check the vehicle. Check the ignition. 4 5 3. Ignition Wet Remove the spark plug and check the electrodes. Dry Wipe off with a dry cloth and correct the spark plug gap, or replace the spark plug. Open the throttle halfway and operate the kickstarter.

6 7 8 9 Have a Yamaha dealer check the vehicle. The engine does not start. Have a Yamaha dealer check the vehicle. 7-27 MOTORCYCLE CARE AND STORAGE EAU37833 EAU40464 Matte color caution ECA15192 Care While the open design of a motorcycle reveals the attractiveness of the technology, it also makes it more vulnerable. Rust and corrosion can develop even if high-quality components are used.

A rusty exhaust pipe may go unnoticed on a car, however, it detracts from the overall appearance of a motorcycle. Frequent and proper care does not only comply with the terms of the warranty, but it will also keep your motorcycle looking good, extend its life and optimize its performance. Before cleaning 1. Cover the muffler outlet with a plastic bag after the engine has cooled down. 2.

Make sure that all caps and covers as well as all electrical couplers and connectors, including the spark plug cap, are tightly installed. 3. Remove extremely stubborn dirt, like oil burnt onto the crankcase, with a degreasing agent and a brush, but never apply such prod8-1 1 2 3 4 5 6 7 8 9 NOTICE Some models are equipped with matte colored finished parts. Be sure to consult a Yamaha dealer for advice on what products to use before cleaning the vehicle. Using a brush, harsh chemical products or cleaning compounds when cleaning these parts will scratch or damage their surface. Wax also should not be applied to any matte colored finished parts. ucts onto seals, gaskets, sprockets, the drive chain and wheel axles. Always rinse the dirt and degreaser off with water. Cleaning ECA10772 NOTICE G Avoid using strong acidic wheel cleaners, especially on spoked wheels. If such products are used on hard-to-remove dirt, do not leave the cleaner on the affected area any longer than instructed.

Also, thoroughly rinse the area off with water, immediately dry it, and then apply a corrosion protection spray. G Improper cleaning can damage plastic parts (such as cowlings, panels, windshields, headlight lenses, meter lenses, etc.) and the mufflers. Use only a soft, clean cloth or sponge with water to clean plastic. However, if the plastic parts cannot be thoroughly cleaned with water, diluted mild detergent with water may be used. Be sure to rinse MOTORCYCLE CARE AND STORAGE off any detergent residue using plenty of water, as it is harmful to plastic parts. Do not use any harsh chemical products on plastic parts. Be sure to avoid using cloths or sponges which have been in contact with strong or abrasive cleaning products, solvent or thinner, fuel (gasoline), rust removers or inhibitors, brake fluid, antifreeze or electrolyte. Do not use high-pressure washers or steam-jet cleaners since they cause water seepage and deterioration in the following areas: seals (of wheel and swingarm bearings, fork and brakes), electric components (couplers, connectors, instruments, switches and lights), breather hoses and vents. For motorcycles equipped with a windshield: Do not use strong cleaners or hard sponges as they will cause dulling or scratching. Some cleaning compounds for plastic may leave scratches on the windshield. Test the product on a small hidden part of the windshield to make sure that it does not leave any marks.



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If the windshield is scratched, use a quality plastic polishing compound after washing. After normal use Remove dirt with warm water, a mild detergent, and a soft, clean sponge, and then rinse thoroughly with clean water. Use a toothbrush or bottlebrush for hard-to-reach areas.

Stubborn dirt and insects will come off more easily if the area is covered with a wet cloth for a few minutes before cleaning. After riding in the rain or near the sea Since sea salt is extremely corrosive, carry out the following steps after each ride in the rain or near the sea. 1. Clean the motorcycle with cold water and a mild detergent, after the engine has cooled down. NOTICE: Do not use warm water since it increases the corrosive 8-2 G action of the salt. [ECA10791] 2. Apply a corrosion protection spray on all metal, including chrome- and nickel-plated, surfaces to prevent corrosion. After cleaning 1. Dry the motorcycle with a chamois or an absorbing cloth. 2. Immediately dry the drive chain and lubricate it to prevent it from rusting. 3. Use a chrome polish to shine chrome, aluminum and stainless-steel parts, including the exhaust system. (Even the thermally induced discoloring of stainless-steel exhaust systems can be removed through polishing.) 4.

To prevent corrosion, it is recommended to apply a corrosion protection spray on all metal, including chrome- and nickel-plated, surfaces. 5. Use spray oil as a universal cleaner to remove any remaining dirt. 6. Touch up minor paint damage caused by stones, etc. 2 3 4 5 6 7 8 9 G G MOTORCYCLE CARE AND STORAGE 7. Wax all painted surfaces. 8. @ @ G Make sure that there is no oil or wax on the tires. G If necessary, wash the tires with warm water and a mild detergent.

@ @ @ @ @ G Never apply oil or wax to any rubber and plastic parts, but treat them with a suitable care product. G Avoid using abrasive polishing compounds as they will wear away the paint. NOTICE G Storing the motorcycle in a poorly ventilated room or covering it with a tarp, while it is still wet, will allow water and humidity to seep in and cause rust. G To prevent corrosion, avoid damp cellars, stables (because of the presence of ammonia) and areas where strong chemicals are stored. Long-term Before storing your motorcycle for several months: 1.

Follow all the instructions in the "Care" section of this chapter. 2. @ @ 3. @ @ Pour the drained fuel into the fuel tank. 4.

@ @ 5. @ @ from corrosion. a. Remove the spark plug cap and spark plug. b. Pour a teaspoonful of engine oil into the spark plug bore. c. Install the spark plug cap onto the spark plug, and then place the spark plug on the cylinder head so that the electrodes are grounded. (This will limit sparking during the next step.) d.

Turn the engine over several times with the starter. (This will coat the cylinder wall with oil.) e. Remove the spark plug cap from the spark plug, and then install the spark plug and the spark plug cap. WARNING! To prevent damage or injury from sparking, make sure to ground the spark plug electrodes while turning the engine over. [EWA10951] 6. Lubricate all control cables and the pivoting points of all levers and pedals as well as of the sidestand. 7. Check and, if necessary, correct the tire air pressure, and then lift the motorcycle so that both of its wheels are off the ground. Alternatively, turn the wheels a little every month in order to prevent the tires from becoming degraded in one spot.

8. Cover the muffler outlet with a plastic bag to prevent moisture from entering it. TIP Make any necessary repairs before storing the motorcycle. 2 3 4 5 6 7 8 9 8-4 SPECIFICATIONS Dimensions: Overall length: 1540 mm (60.6 in) Overall width: 640 mm (25.

2 in) Overall height: 880 mm (34.6 in) Seat height: 635 mm (25.0 in) Wheelbase: 1055 mm (41.5 in) Ground clearance: 185 mm (7.28 in) Minimum turning radius: 1700 mm (66.

9 in) EAU2633X 1 2 3 4 5 6 7 8 9 Compression ratio: 6.60 :1 Starting system: Kickstarter Lubrication system: Separate lubrication (Yamaha autolube) Spark plug (s): Manufacturer/model: PW80 NGK/BPR6HS PW80Z NGK/BP6HS DENSO/W20FP Spark plug gap: 0.60.7 mm (0.0240.028 in) Engine oil: Type: YAMALUBE 2 or 2-stroke engine oil (JASO FC grade) or (ISO EG-C or EG-D grade) Clutch: Clutch type: Wet, multiple-disc automatic Engine oil quantity: Quantity: 0.75 L (0.79 US qt, 0.66 Imp.qt) Transmission: Primary reduction system: Helical gear Primary reduction ratio: 66/21 (3.

143) Secondary reduction system: Chain drive Secondary reduction ratio: 32/15 (2.133) Transmission type: Constant mesh 3-speed Operation: Left foot operation Transmission oil: Type: YAMALUBE 4 (10W-40) or SAE 10W-40 Oil change quantity: 0.65 L (0.69 US qt, 0.57 Imp.qt) Weight: With oil and fuel: 61.0 kg (134 lb) Noise and vibration level: Noise level (77/311/EEC): PW80 79.3 dB(A) Vibration on seat (EN1032, ISO5008): PW80 Will not exceed 0.5 m/s² Vibration on handlebar (EN1032, ISO5008): PW80 Will not exceed 2.5 m/s² Air filter: Air filter element: Wet element Fuel: Recommended fuel: PW80 Regular unleaded gasoline only PW80Z Unleaded gasoline only Fuel tank capacity: 4.

9 L (1.29 US gal, 1.08 Imp.gal) Fuel reserve amount: 1.0 L (0.

26 US gal, 0.22 Imp.gal) Gear ratio: 1st: 39/12 (3.250) 2nd: 29/16 (1.812) 3rd: 22/17 (1.

294) Engine: Engine type: Air cooled 2-stroke Cylinder arrangement: Forward-inclined single cylinder Displacement: 79 cm³ Bore × stroke: 47.0 × 45.6 mm (1.85 × 1.80 in) Carburetor: Type × quantity: VM15SC x 1 Chassis: Frame type: Steel tube backbone Caster angle: 9-1 SPECIFICATIONS 26.00 ° Trail: 62.0 mm (2.44 in) Rear wheel: Wheel type: Spoke wheel Rim size: 12x1.60 Front tire: Type: With tube Size: 2.50-14 4PR Manufacturer/model: CHENG SHIN/KNOBBY Front brake: Type: Drum brake Operation: Right hand operation 2 3 4 5 6 7 8 9 Rear tire: Type: With tube Size: 3.

00-12 4PR Manufacturer/model: CHENG SHIN/KNOBBY Rear brake: Type: Drum brake Operation: Right foot operation Front suspension: Type: Telescopic fork Spring/shock absorber type: Coil spring/oil damper Wheel travel: 110.0 mm (4.33 in) Loading: Maximum rider weight: 40.0 kg (88 lb) Tire air pressure (measured on cold tires): Front: 100 kPa (1.00 kgf/cm², 15 psi) Rear: 100 kPa (1.00 kgf/cm², 15 psi) Rear suspension: Type: Swingarm (monocross) Spring/shock absorber type: Coil spring/gas-oil damper Wheel travel: 95.0 mm (3.74 in) Front wheel: Wheel type: Spoke wheel Rim size: 14x1.40 Electrical system: Ignition system: CDI 9-2 CONSUMER INFORMATION EAU40791 EAU26400 EAU26460 Identification numbers 1 2 3 4 5 MODEL LABEL INFORMATION: 6 7 8 9 10 Record the vehicle identification number and model label information in the spaces provided below for assistance when ordering spare parts from a Yamaha dealer or for reference in case the vehicle is stolen. VEHICLE IDENTIFICATION NUMBER: Vehicle identification number Model label 1 1 1.

Vehicle identification number 1. Model label The vehicle identification number is stamped into the steering head pipe.



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