



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA FZ6-N. You'll find the answers to all your questions on the YAMAHA FZ6-N in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual YAMAHA FZ6-N  
User guide YAMAHA FZ6-N  
Operating instructions YAMAHA FZ6-N  
Instructions for use YAMAHA FZ6-N  
Instruction manual YAMAHA FZ6-N



[You're reading an excerpt. Click here to read official YAMAHA FZ6-N user guide](http://yourpdfguides.com/dref/2320050)  
<http://yourpdfguides.com/dref/2320050>

**Manual abstract:**

If you have any further questions, do not hesitate to contact your Yamaha dealer. The Yamaha team wishes you many safe and pleasant rides. So, remember to put safety first! **IMPORTANT MANUAL INFORMATION EAU10151** Particularly important information is distinguished in this manual by the following notations: The Safety Alert Symbol means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!** Failure to follow **WARNING** instructions could result in severe injury or death to the motorcycle operator, a bystander, or a person inspecting or repairing the motorcycle. @@@@ @@@@ If you have any questions concerning this manual, please consult your Yamaha dealer. EWA10030 **WARNING PLEASE READ THIS MANUAL CAREFULLY AND COMPLETELY BEFORE OPERATING THIS MOTORCYCLE.** \*Product and specifications are subject to change without notice. **IMPORTANT MANUAL INFORMATION EAU10200 FZ6-N/FZ6-NS OWNER'S MANUAL ©2005 by Yamaha Motor Co., Ltd. 1st edition, July 2005 All rights reserved. Any reprinting or unauthorized use without the written permission of Yamaha Motor Co., Ltd. is expressly prohibited. Printed in Japan. TABLE OF CONTENTS SAFETY INFORMATION ..**

.....  
.....

**.1-1 DESCRIPTION .....**

.....  
.....  
.....

**.....2-1 Left view .....**

.....  
.....  
.....

**.....2-1 Right view .....**

.....  
.....  
.....

**.....2-2 Controls and instruments...**

.....

**.....2-3 INSTRUMENT AND CONTROL FUNCTIONS .....**

.....  
.....

**...3-1 Immobilizer system .....**

.....  
.....

**...3-1 Main switch/steering lock .....**

.....  
.....

**....3-2 Indicator and warning lights .....**

.....  
.....

**.3-3 LCD tachometer .....**

.....  
.....

**3-5 Multi-function display .....**

.....  
.....

**.....3-5 Anti-theft alarm (optional) .....**

.....  
.....

**..3-8 Handlebar switches .....**

.....  
.....

**.3-8 Clutch lever .....**

.....  
.....  
.....  
.....  
.....  
*.3-10 Shift pedal .....*

.....  
.....  
.....  
.....  
*.....3-10 Brake lever ..*

.....  
.....  
.....  
.....  
*...3-10 Brake pedal .....*

.....  
.....  
.....  
.....  
*.....3-11 Fuel tank cap ...*

.....  
.....  
.....  
.....  
*.....3-11 Fuel .*

.....  
.....  
.....  
.....  
*.....3-12 Fuel tank breather hose ....*

.....  
.....  
.....  
.....  
*..3-13 Catalytic converter ...*

.....  
.....  
.....  
.....  
*.....3-13 Seat ....*

.....  
.....  
.....  
.....  
*..3-13 Storage compartment .....*

.....  
.....  
.....  
.....  
*.3-14 Adjusting the shock absorber assembly ....*

.....  
.....  
.....  
.....  
*.3-15 Sidestand ....*

.....  
.....  
.....  
.....  
*....3-16 Ignition circuit cut-off system .....*

*..3-16 PRE-OPERATION CHECKS .....*

.....

*4-1 Pre-operation check list .....*

.....

*... 4-2 OPERATION AND IMPORTANT RIDING POINTS.....*

.....

.....

.....

*..... 5-1 Starting the engine ....*

.....

.....

.....

*. 5-1 Shifting .....*

.....

.....

.....

.....

*.... 5-2 Tips for reducing fuel consumption .*

.....

.....

.....

.....

*5-3 Engine break-in .....*

.....

.....

.....

*5-3 Parking .....*

.....

.....

.....

.....

*..... 5-4 PERIODIC MAINTENANCE AND MINOR REPAIR ..*

.....

.....

.....

.....

*. 6-1 Owner's tool kit .....*

.....

.....

.....

*.. 6-1 Periodic maintenance and lubrication chart .....*

.....

.....

*..... 6-2 Removing and installing the panel ..*

.....

.....

.....

.....

*..... 6-5 Checking the spark plugs .....*

.....

.....

*6-5 Engine oil and oil filter cartridge ..... 6-6 Coolant .....*

.....

.....



.....  
.....  
.....  
.....

6-21 Checking and lubricating the throttle grip and cable .....  
.....  
6-22 Checking and lubricating the brake and shift pedals .....  
..... 6-22 Checking and lubricating the brake and clutch levers .

.....  
. 6-23 Checking and lubricating the sidestand ....  
.....  
.....

.....  
.....  
6-23 Lubricating the swingarm pivots .....  
.....

.....  
.....  
.....  
..... 6-24 Checking the front fork .....

.....  
.. 6-24 Checking the steering ...  
.....  
.....

6-25 Checking the wheel bearings ..... 6-25 Battery ...  
.....  
.....  
.....

.....  
.....  
... 6-26 Replacing the fuses ..  
.....

..... 6-27 Replacing the headlight bulb .  
.....  
. 6-28 Replacing the tail/brake light bulb ....  
.....

.....  
.....  
.....  
..... 6-29 TABLE OF CONTENTS Replacing a turn signal light bulb .

.....  
.....  
.....  
.....

.....  
..6-30 Replacing the license plate light bulb ...  
.....  
.....

.....  
.....  
...6-30 Replacing the auxiliary light bulb ..  
.....  
.....

.....  
.....  
.....

*.6-31 Supporting the motorcycle .....*

*...6-31 Front wheel ..*

.....  
.....

.....  
.....

*...6-32 Rear wheel ..*

.....  
.....

.....  
.....

*...6-33 Troubleshooting .....*

.....  
.....  
.....

*.6-35 Troubleshooting charts .....*

*.....6-36 MOTORCYCLE CARE AND STORAGE ..*

.....  
.....  
.....

.....  
.....  
.....

*7-1 Care .....*

.....  
.....  
.....  
.....

*.....7-1 Storage ..*

.....  
.....  
.....

.....  
.....  
.....

*.7-3 SPECIFICATIONS .....*

.....  
.....  
.....

*8-1 CONSUMER INFORMATION.....*

*...9-1 Identification numbers .....*

.....  
.....

*...9-1 SAFETY INFORMATION EAU10281 1 MOTORCYCLES ARE SINGLE TRACK VEHICLES. THEIR SAFE USE AND OPERATION ARE DEPENDENT UPON THE USE OF PROPER RIDING TECHNIQUES AS WELL AS THE EXPERTISE OF THE OPERATOR. EVERY OPERATOR SHOULD KNOW THE FOLLOWING REQUIREMENTS BEFORE RIDING THIS MOTORCYCLE. HE OR SHE SHOULD: G OBTAIN THOROUGH INSTRUCTIONS FROM A COMPETENT SOURCE ON ALL ASPECTS OF MOTORCYCLE OPERATION. G OBSERVE THE WARNINGS AND MAINTENANCE REQUIREMENTS IN THE OWNER'S MANUAL. G OBTAIN QUALIFIED TRAINING IN SAFE AND PROPER RIDING TECHNIQUES. G OBTAIN PROFESSIONAL TECHNICAL SERVICE AS INDICATED BY THE OWNER'S MANUAL AND/OR WHEN MADE NECESSARY BY MECHANICAL CONDITIONS.*

*G Safe riding G Always make pre-operation checks. Careful checks may help prevent an accident. G This motorcycle is designed to carry the operator and a passenger. G The failure of motorists to detect and recognize motorcycles in traffic is the predominating cause of automobile/motorcycle accidents. Many accidents have been caused by an automobile driver who did not see the motorcycle. Making yourself conspicuous appears to be very effective in reducing the*

chance of this type of accident. Therefore: · Wear a brightly colored jacket. · Use extra caution when you are approaching and passing through intersections, since intersections are the most likely places for motorcycle accidents to occur. 1-1 G · Ride where other motorists can see you. Avoid riding in another motorist's blind spot.

Many accidents involve inexperienced operators. In fact, many operators who have been involved in accidents do not even have a current motorcycle license. · Make sure that you are qualified and that you only lend your motorcycle to other qualified operators. · Know your skills and limits. Staying within your limits may help you to avoid an accident.

· We recommend that you practice riding your motorcycle where there is no traffic until you have become thoroughly familiar with the motorcycle and all of its controls. Many accidents have been caused by error of the motorcycle operator. A typical error made by the operator is veering wide on a turn SAFETY INFORMATION due to EXCESSIVE SPEED or undercornering (insufficient lean angle for the speed). · Always obey the speed limit and never travel faster than warranted by road and traffic conditions. · Always signal before turning or changing lanes.

Make sure that other motorists can see you. The posture of the operator and passenger is important for proper control. · The operator should keep both hands on the handlebar and both feet on the operator footrests during operation to maintain control of the motorcycle. · The passenger should always hold onto the operator, the seat strap or grab bar, if equipped, with both hands and keep both feet on the passenger footrests. · Never carry a passenger unless he or she can firmly place both feet on the passenger footrests. Never ride under the influence of alcohol or other drugs. G This motorcycle is designed for onroad use only. It is not suitable for off-road use. G G G Protective apparel The majority of fatalities from motorcycle accidents are the result of head injuries. The use of a safety helmet is the single most critical factor in the prevention or reduction of head injuries.

G Always wear an approved helmet. G Wear a face shield or goggles. Wind in your unprotected eyes could contribute to an impairment of vision that could delay seeing a hazard.



[You're reading an excerpt. Click here to read official YAMAHA FZ6-N user guide](http://yourpdfguides.com/dref/2320050)

<http://yourpdfguides.com/dref/2320050>

G The use of a jacket, heavy boots, trousers, gloves, etc., is effective in preventing or reducing abrasions or lacerations. G Never wear loose-fitting clothes, otherwise they could catch on the control levers, footrests, or wheels and cause injury or an accident. G Never touch the engine or exhaust system during or after operation. They become very hot and can cause burns. Always wear protective clothing that covers your legs, ankles, and feet. A passenger should also observe the above precautions.

I Modifications Modifications made to this motorcycle not approved by Yamaha, or the removal of original equipment, may render the motorcycle unsafe for use and may cause severe personal injury. Modifications may also make your motorcycle illegal to use. Loading and accessories Adding accessories or cargo to your motorcycle can adversely affect stability and handling if the weight distribution of the motorcycle is changed. To avoid the possibility of an accident, use extreme caution when adding cargo or accessories to your motorcycle. Use extra care when riding a motorcycle that has added cargo or accessories.

Here are some general guidelines to follow if loading cargo or adding accessories to your motorcycle: 1-2 SAFETY INFORMATION Loading The total weight of the operator, passenger, accessories and cargo must not exceed the maximum load limit. Maximum load: 196 kg (432 lb) 1 When loading within this weight limit, keep the following in mind: G Cargo and accessory weight should be kept as low and close to the motorcycle as possible. Make sure to distribute the weight as evenly as possible on both sides of the motorcycle to minimize imbalance or instability. G Shifting weights can create a sudden imbalance. Make sure that accessories and cargo are securely attached to the motorcycle before riding.

Check accessory mounts and cargo restraints frequently. G Never attach any large or heavy items to the handlebar, front fork, or front fender. These items, including such cargo as sleeping bags, duffel bags, or tents, can create unstable handling or a slow steering response. Accessories Genuine Yamaha accessories have been specifically designed for use on this motorcycle. Since Yamaha cannot test all pedal (page 3-11) 2-2 DESCRIPTION EAU10430 Controls and instruments 2 1. 2. 3. 4. 5. 6.

7. 8. Clutch lever (page 3-10) Left handlebar switches (page 3-8) LCD tachometer (page 3-5) Multi-function display (page 3-5) Right handlebar switches (page 3-8) Brake lever (page 3-10) Throttle grip (page 6-13) Main switch/steering lock (page 3-2) 2-3 INSTRUMENT AND CONTROL FUNCTIONS EAU10972 Immobilizer system an immobilizer system indicator light (See page 3-3.) The key with the red bow is used to register codes in each standard key. Since re-registering is a difficult process, take the vehicle along with all three key; "OFF" or "LOCK" while the vehicle is moving, otherwise the electrical systems will be switched off, which may result in loss of control or an accident. Make sure that the vehicle is stopped before turning the key to "OFF" or "LOCK". " EAU11030 Turn signal indicator lights " " and "" The corresponding indicator light flashes when the turn signal switch is pushed to the left or right. EAU11060 Neutral indicator light " " This indicator light comes on when the transmission is in the neutral position. 3-3 INSTRUMENT AND CONTROL FUNCTIONS EAU11080 High beam indicator light " " This indicator light comes on when the high beam of the headlight is switched on.

EAU11250 oil level warning light will flash ten times, then go off for 2.

5 seconds. If this occurs, have a Yamaha dealer check the vehicle. EAU11530 3 Oil level warning light " " This warning light comes on when the engine oil level is low. The electrical circuit of the warning light can be checked by turning the key to "ON". If the warning light does not come on for a few seconds, then go off, have a Yamaha dealer check the electrical circuit.

NOTE: G Even if the oil level is sufficient, the warning light may flicker when riding on a slope or during sudden acceleration or deceleration, but this is not a malfunction. G This model is also equipped with a self-diagnosis device for the oil level detection circuit. If the oil level detection circuit is defective, the following cycle will be repeated until the malfunction is corrected: The Engine trouble warning light " " This warning light comes on or flashes when an electrical circuit monitoring the engine is defective. When this occurs, have a Yamaha dealer check the selfdiagnosis system. (See page 3-5 for an explanation of the self-diagnosis device.

) The electrical circuit of the warning light can be checked by turning the key to "ON". If the warning light does not come on for a few seconds, then go off, have a Yamaha dealer check the electrical circuit. EAU26873 If the indicator light does not come on for a few seconds, then go off, have a Yamaha dealer check the electrical circuit. When the key is turned to "OFF" and 30 seconds have passed, the indicator light will start flashing indicating the immobilizer system is enabled. After 24 hours have passed, the indicator light will stop flashing, however the immobilizer system is still enabled. This model is also equipped with a selfdiagnosis device for the immobilizer system. (See page 3-5 for an explanation of the self-diagnosis device.) Immobilizer system indicator light "" The electrical circuit of the indicator light can be checked by turning the key to "ON". 3-4 INSTRUMENT AND CONTROL FUNCTIONS EAU32922 ECA10031 EAU32976 LCD tachometer CAUTION: Do not operate the engine in the tachometer red zone. Red zone: 14000 r/min and above Multi-function display EWA12311 WARNING Be sure to stop the vehicle before making any setting changes to the multi-function display.

3 1. LCD tachometer 2. Tachometer red zone The LCD tachometer allows the rider to monitor the engine speed and keep it within the ideal power range. When the key is turned to "ON", all of the display segments of the LCD tachometer will appear one after the other across the r/min range and then disappear, in order to test the electrical circuit. NOTE: The first segment of the tachometer will flash while idling or riding until the coolant temperature has reached 60 °C (140 °F), so this is not a malfunction. 3-5 1. 2. 3. 4. 5.

6. 7. Speedometer Fuel meter Coolant temperature meter "SELECT" button "RESET" button Clock/air intake temperature display Odometer/tripmeters/digital tachometer The multi-function display is equipped with the following: G a speedometer (which shows the riding speed) INSTRUMENT AND CONTROL FUNCTIONS G G G 3 G G G G G two tachometers, one LCD and one digital (which show engine r/min) an odometer (which shows the total distance traveled) two tripmeters (which show the distance traveled since they were last set to zero) a fuel reserve tripmeter (which shows the distance traveled since the bottom segment of the fuel meter started flashing) a clock an air intake temperature display a fuel meter a coolant temperature meter a self-diagnosis device NOTE: G Be sure to turn the key to "ON" before using the "SELECT" and "RESET" buttons.



[You're reading an excerpt. Click here to read official YAMAHA](http://yourpdfguides.com/dref/2320050)

[FZ6-N user guide](http://yourpdfguides.com/dref/2320050)

<http://yourpdfguides.com/dref/2320050>

G For the U.K.

only: To switch the speedometer and odometer/tripmeter displays between kilometers and miles, press the "SELECT" button for at least two seconds. Odometer, tripmeter and digital tachometer modes Pushing the "SELECT" button switches the display between the odometer mode "ODO" and the tripmeter modes "TRIP 1" and "TRIP 2" ("TRIP F") and the tachometer "E" in the following order: ODO TRIP 1 TRIP 2 (TRIP F) E ODO When the fuel amount in the fuel tank decreases to 3.6 L (0.95 US gal) (0.79 Imp. gal), the bottom segment of the fuel meter will start flashing, and the odometer display will automatically change to the fuel reserve tripmeter mode "TRIP F" and start counting the distance traveled from that point. In that case, pushing the "SELECT" button switches the display between the various tripmeter and odometer modes in the following order: TRIP F E ODO TRIP 1 TRIP 2 TRIP F To reset a tripmeter, select it by pushing the "SELECT" button, and then push the "RESET" button for at least one second. If you do not reset the fuel reserve tripmeter manually, it will reset 3-6 itself automatically and the display will return to the prior mode after refueling and traveling 5 km (3 mi). Clock To switch the air intake temperature display to the clock, first set the display to the odometer or tachometer mode, and then push the "RESET" button for at least two seconds. NOTE: The clock is automatically displayed when the key is turned to "OFF". To set the clock: 1. Push the "SELECT" button and "RESET" button together for at least two seconds. 2. When the hour digits start flashing, push the "RESET" button to set the hours. 3.

Push the "SELECT" button, and the minute digits will start flashing. 4. Push the "RESET" button to set the minutes. 5. Push the "SELECT" button and then release it to start the clock. INSTRUMENT AND CONTROL FUNCTIONS Air intake temperature mode The temperature displayed may vary from the outside temperature depending on engine conditions. To switch the clock to the air intake temperature mode, first set the display to the odometer or tachometer mode, and then push the "RESET" button for at least two seconds. Fuel meter The fuel meter indicates the amount of fuel in the fuel tank. The display segments of the fuel meter disappear towards "E" (Empty) as the fuel level decreases. When only one segment is left near "E", refuel as soon as possible.

NOTE: This fuel meter is equipped with a selfdiagnosis system. If the electrical circuit is defective, the display segments will flash. If this occurs, have a Yamaha dealer check the electrical circuit. Coolant temperature meter With the key in the "ON" position, the coolant temperature meter indicates the temperature of the coolant. When the key is turned to "ON", all of the display segments of the coolant temperature meter will appear one after the other and then disappear in order to test the electrical circuit.

The coolant temperature varies with changes in the weather and engine load. If the top segment flashes, stop the vehicle and let the engine cool. (See page 6-36.) ECA10020 If any of the immobilizer system circuits are defective, the immobilizer system indicator light will flash, and then the multi-function display will indicate a two-digit error code (e.g.

, 51, 52, 53). NOTE: If the multi-function display indicates error code 52 (all segments of the coolant temperature meter will come on, except the top segment, which will flash), this could be caused by transponder interference. If this error appears, try the following. 3 CAUTION: Do not operate the engine if it is overheated. Self-diagnosis devices This model is equipped with a self-diagnosis device for various electrical circuits. If any of those circuits are defective, the engine trouble warning light will come on, and then the multi-function display will indicate a two-digit error code (e.g., 12, 13, 14). This model is also equipped with a selfdiagnosis device for the immobilizer system. 1.

Error code display 1. Use the code re-registering key to start the engine. 3-7 INSTRUMENT AND CONTROL FUNCTIONS EAU12331 EAU12344 3 NOTE: Make sure there are no other immobilizer keys close to the main switch, and do not keep more than one immobilizer key on the same key ring! Immobilizer system keys may cause signal interference, which may prevent the engine from starting. 2. If the engine starts, turn it off, and try starting the engine with the standard keys. 3. If one or both of the standard keys do not start the engine, take the vehicle, the code re-registering key and both standard keys to a Yamaha dealer and have the standard keys re-registered. If the multi-function display indicates any error code, note the code number, and then have a Yamaha dealer check the vehicle. ECA11590 Anti-theft alarm (optional) This model can be equipped with an optional anti-theft alarm by a Yamaha dealer. Contact a Yamaha dealer for more information. Handlebar switches Left 1. 2. 3. 4. 5.

Pass switch " " Dimmer switch " / " Turn signal switch " / " Horn switch " " Hazard switch " " CAUTION: If the display indicates an error code, the vehicle should be checked as soon as possible in order to avoid engine damage. 3-8 INSTRUMENT AND CONTROL FUNCTIONS Right position. To cancel the turn signal lights, push the switch in after it has returned to the center position. EAU12500 EAU12733 Horn switch " " Press this switch to sound the horn. EAU12660 1.

Engine stop switch " 2. Start switch " / " EAU12350 Pass switch " " Press this switch to flash the headlight. EAU12400 Engine stop switch " / " Set this switch to " " before starting the engine. Set this switch to " " to stop the engine in case of an emergency, such as when the vehicle overturns or when the throttle cable is stuck. EAU12710 Hazard switch " " With the key in the "ON" or " " position, use this switch 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. ECA10061 3 CAUTION: Do not use the hazard lights for an extended length of time with the engine not running, otherwise the battery may discharge. Dimmer switch " / " Set this switch to " " for the high beam and to " " for the low beam. EAU12460 Start switch " " Push this switch to crank the engine with the starter. ECA10050 CAUTION: See page 5-1 for starting instructions prior to starting the engine.

Turn signal switch " / " To signal a right-hand turn, push this switch to " ".



[You're reading an excerpt. Click here to read official YAMAHA](http://yourpdfguides.com/dref/2320050)

[FZ6-N user guide](http://yourpdfguides.com/dref/2320050)

<http://yourpdfguides.com/dref/2320050>

To signal a left-hand turn, push this switch to " ". When released, the switch returns to the center 3-9 INSTRUMENT AND CONTROL FUNCTIONS EAU12820 EAU12870 EAU26822 Clutch lever Shift pedal Brake lever The brake lever is located at the right handlebar grip. To apply the front brake, pull the lever toward the handlebar grip. 3 1. Clutch lever 1. Shift pedal The clutch lever is located at the left handlebar grip. To disengage the clutch, pull the lever toward the handlebar grip. To engage the clutch, release the lever. The lever should be pulled rapidly and released slowly for smooth clutch operation. The clutch lever is equipped with a clutch switch, which is part of the ignition circuit cut-off system. (See page 3-16.) The shift pedal is located on the left side of the engine and is used in combination with the clutch lever when shifting the gears of the 6-speed constant-mesh transmission equipped on this motorcycle.

1. 2.

3. 4. Brake lever Brake lever position adjusting dial " " mark Distance between brake lever and handlebar grip The brake lever is equipped with a position adjusting dial. To adjust the distance between the brake lever and the handlebar grip, turn the adjusting dial while holding the lever pushed away from the handlebar grip. Make sure that the appropriate setting on the adjusting dial is aligned with the " " mark on the brake lever.

3-10 INSTRUMENT AND CONTROL FUNCTIONS EAU12941 EAU13070 Brake pedal Fuel tank cap NOTE: The fuel tank cap cannot be closed unless the key is in the lock. In addition, the key cannot be removed if the cap is not properly closed and locked. EWA11090 WARNING Make sure that the fuel tank cap is properly closed before riding. 1. Brake pedal 1. Fuel tank cap lock cover 2. Unlock. 3 The brake pedal is on the right side of the motorcycle. To apply the rear brake, press down on the brake pedal. To open the fuel tank cap Open the fuel tank cap lock cover, insert the key into the lock, and then turn it 1/4 turn clockwise.

The lock will be released and the fuel tank cap can be opened. To close the fuel tank cap 1. Push the fuel tank cap into position with the key inserted in the lock. 2. Turn the key counterclockwise to the original position, remove it, and then close the lock cover. 3-11 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. or premium unleaded fuel. Use of unleaded fuel will extend spark plug life and reduce maintenance costs. 3 EAU13320 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: 19.4 L (5.13 US gal)

(4.

27 Imp.gal) Fuel reserve amount: 3.6 L (0.95 US gal) (0.79 Imp.

gal) ECA11400 CAUTION: Use only unleaded gasoline. The use of leaded gasoline will cause severe damage to internal engine parts, such as the valves and piston rings, as well as to the exhaust system. Your Yamaha engine has been designed to use regular unleaded gasoline with a research octane number of 91 or higher. If knocking (or pinging) occurs, use a gasoline of a different brand 3-12 WARNING G G Do not overfill the fuel tank, otherwise it may overflow when the fuel warms up and expands. Avoid spilling fuel on the hot engine. INSTRUMENT AND CONTROL FUNCTIONS EAU13410 EAU13431 EAU32980 Fuel tank breather hose Catalytic converter This model is equipped with a catalytic converter in the exhaust system. EWA10860 Seat To remove the seat 1. Insert the key into the seat lock, and then turn it counterclockwise. 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. Fuel tank breather hose 2. Original position (paint mark) CAUTION: The following precautions must be observed to prevent a fire hazard or other damages. G Use only unleaded gasoline. The use of leaded gasoline will cause unrepairable damage to the catalytic converter. G Never park the vehicle near possible fire hazards such as grass or other materials that easily burn. G Do not allow the engine to idle too long. 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 end of the fuel tank breather hose is not blocked, and clean it if necessary.

1. Seat lock 2. Unlock. 2. While holding the key in that position, lift the rear of the seat up, and then pull the seat off.

To install the seat 1. Insert the projection on the front of the seat into the seat holder as shown. 3-13 INSTRUMENT AND CONTROL FUNCTIONS EAU14421 Storage compartment G Do not exceed the maximum load of 196 kg (432 lb) for the vehicle. 3 1. Projection 2.

Seat holder 2. Push the rear of the seat down to lock it in place. 3. Remove the key. NOTE: Make sure that the seat is properly secured before riding. 1. U-LOCK bar (optional) 2. Yamaha U-LOCK (optional) 3. Strap This storage compartment is designed to hold a genuine Yamaha U-LOCK. (Other locks may not fit.

) When placing a U-LOCK in the storage compartment, securely fasten it with the straps. When the U-LOCK is not in the storage compartment, be sure to secure the straps to prevent losing them. EWA10961 WARNING G Do not exceed the load limit of 3 kg (7 lb) for the storage compartment. 3-14 INSTRUMENT AND CONTROL FUNCTIONS EAU36461 Adjusting the shock absorber assembly 2. To increase the spring preload and thereby harden the suspension, turn the adjusting ring in direction (a). To decrease the spring preload and thereby soften the suspension, turn the adjusting ring in direction (b).

NOTE: G Align the appropriate notch in the adjusting ring with the position indicator on the shock absorber. G Use the special wrench included in the owner's tool kit to make the adjustment. Spring preload setting: Minimum (soft): 1 Standard: 3 Maximum (hard): 7 1. Spring preload adjusting ring 2. Special wrench 3. Position indicator This shock absorber assembly is equipped with a spring preload adjusting ring. ECA10100 the following information before handling the shock absorber. The manufacturer cannot be held responsible for property damage or personal injury that may result from improper handling. G Do not tamper with or attempt to open the gas cylinder.

G Do not subject the shock absorber to an open flame or other high heat sources, otherwise it may explode due to excessive gas pressure. G Do not deform or damage the gas cylinder in any way, as this will result in poor damping performance. G Always have a Yamaha dealer service the shock absorber.



[You're reading an excerpt. Click here to read official YAMAHA FZ6-N user guide](http://yourpdfguides.com/dref/2320050)  
<http://yourpdfguides.com/dref/2320050>

3 CAUTION: Never attempt to turn an adjusting mechanism beyond the maximum or minimum settings. Adjust the spring preload as follows.

1. Remove the seat. (See page 3-13.) 3. Install the seat. EWA10220 WARNING This shock absorber contains highly pressurized nitrogen gas. For proper handling, read and understand 3-15 INSTRUMENT AND CONTROL FUNCTIONS EAU15301 Sidestand The sidestand is located on the left side of the frame. Raise the sidestand or lower it with your foot while holding the vehicle upright. NOTE: The built-in sidestand switch is part of the ignition circuit cut-off system, which cuts the ignition in certain situations. (See further down for an explanation of the ignition circuit cut-off system.

) EWA10240 below and have a Yamaha dealer repair it if it does not function properly. EAU15311 Ignition circuit cut-off system The ignition circuit cut-off system (comprising the sidestand switch, clutch switch and neutral switch) has the following functions. G It prevents starting when the transmission is in gear and the sidestand is up, but the clutch lever is not pulled. G It prevents starting when the transmission is in gear and the clutch lever is pulled, but the sidestand is still down. G It cuts the running engine when the transmission is in gear and the sidestand is moved down. Periodically check the operation of the ignition circuit cut-off system according to the following procedure. EWA10250 3 WARNING The vehicle must not be ridden with the sidestand down, or if the sidestand cannot be properly moved up (or does not stay up), otherwise the sidestand could contact the ground and distract the operator, resulting in a possible loss of control. Yamaha's ignition circuit cut-off system has been designed to assist the operator in fulfilling the responsibility of raising the sidestand before starting off. Therefore, check this system regularly as described 3-16 WARNING If a malfunction is noted, have a Yamaha dealer check the system before riding. INSTRUMENT AND CONTROL FUNCTIONS With the engine turned off: 1. Move the sidestand down. 2. Make sure that the engine stop switch is turned on. 3. Turn the key on. 4. Shift the transmission into the neutral position. 5. Push the start switch. Does the engine start? NOTE: This check is most reliable if performed with a warmed-up engine. YES With the engine still running: 6. Move the sidestand up. 7. Keep the clutch lever pulled. 8. Shift the transmission into gear. 9. Move the sidestand down. Does the engine stall? NO The neutral switch may be defective. The motorcycle should not be ridden until checked by a Yamaha dealer. 3 YES After the engine has stalled: 10. Move the sidestand up. 11. Keep the clutch lever pulled. 12. Push the start switch. Does the engine start? NO The sidestand switch may be defective. The motorcycle should not be ridden until checked by a Yamaha dealer. YES NO The clutch switch may be defective. The motorcycle should not be ridden until checked by a Yamaha dealer. The system is OK. The motorcycle can be ridden. 3-17 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. 4 EWA11150 WARNING If any item in the Pre-operation check list is not working properly, have it inspected and repaired before operating the vehicle. 4-1 PRE-OPERATION CHECKS EAU15603 Pre-operation check list ITEM Fuel · Check fuel level in fuel tank. · Refuel if necessary. · Check fuel line for leakage. · Check oil level in engine. · If necessary, add recommended oil to specified level. · Check vehicle for oil leakage. · Check coolant level in reservoir. · If necessary, add recommended coolant to specified level. · Check cooling system for leakage. . . . . · Check operation. If soft or spongy, have Yamaha dealer bleed hydraulic system.

Check brake pads for wear. Replace if necessary. Check fluid level in reservoir. If necessary, add recommended brake fluid to specified level. Check hydraulic system for leakage. Check operation. If soft or spongy, have Yamaha dealer bleed hydraulic system. Check brake pads for wear. Replace if necessary. Check fluid level in reservoir. If necessary, add recommended brake fluid to specified level. Check hydraulic system for leakage. Check operation. Lubricate cable if necessary. Check lever free play. Adjust if necessary. CHECKS PAGE 3-12 Engine oil 6-6 Coolant 6-9 4 Front brake 6-17, 6-18 Rear brake 6-17, 6-18 Clutch 6-16 4-2 PRE-OPERATION CHECKS ITEM CHECKS · Make sure that operation is smooth. · Check cable free play. · If necessary, have Yamaha dealer adjust cable free play and lubricate cable and grip housing. · Make sure that operation is smooth. · Lubricate if necessary. . . . . Check chain slack. Adjust if necessary. Check chain condition. Lubricate if necessary. Check for damage. Check tire condition and tread depth. Check air pressure. Correct if necessary. PAGE Throttle grip 6-13, 6-22 Control cables 6-21 Drive chain 6-19, 6-21 4 Wheels and tires 6-13, 6-16 Brake and shift pedals Brake and clutch levers Sidestand Chassis fasteners Instruments, lights, signals and switches Sidestand switch · Make sure that operation is smooth. · Lubricate pedal pivoting points if necessary. · Make sure that operation is smooth. · Lubricate lever pivoting points if necessary. · Make sure that operation is smooth. · Lubricate pivot if necessary. @@ · 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. 6-22 6-23 6-23 -- -- 3-16 4-3 OPERATION AND IMPORTANT RIDING POINTS EAU15950 EAU32951 Starting the engine EWA10270 WARNING G G G Become thoroughly familiar with all operating controls and their functions before riding. Consult a Yamaha dealer regarding any control or function that you do not thoroughly understand. Never start the engine or operate it in a closed area for any length of time. Exhaust fumes are poisonous, and inhaling them can cause loss of consciousness and death within a short time.



[You're reading an excerpt. Click here to read official YAMAHA FZ6-N user guide](http://yourpdfguides.com/dref/2320050)  
<http://yourpdfguides.com/dref/2320050>

Always make sure that there is adequate ventilation.

Before starting out, make sure that the sidestand is up. If the sidestand is not raised completely, it could contact the ground and distract the operator, resulting in a possible loss of control. In order for the ignition circuit cut-off system to enable starting, one of the following conditions must be met: G The transmission is in the neutral position. G The transmission is in gear with the clutch lever pulled and the sidestand up. EWA10290 Immobilizer system indicator light If a warning or indicator light does not go off, see page 3-3 for the corresponding warning and indicator light circuit check.

2. Shift the transmission into the neutral position. NOTE: When the transmission is in the neutral position, the neutral indicator light should be on, otherwise have a Yamaha dealer check the electrical circuit. 3. Start the engine by pushing the start switch. NOTE: If the engine fails to start, release the start switch, wait a few seconds, and then try again. Each starting attempt should be as short as possible to preserve the battery. Do not crank the engine more than 10 seconds on any one attempt. G WARNING G G Before starting the engine, check the function of the ignition circuit cut-off system according to the procedure described on page 3-16. Never ride with the sidestand down.

5 1. Turn the key to "ON" and make sure that the engine stop switch is set to ". ECA12741 CAUTION: The following warning lights and indicator light should come on for a few seconds, then go off. G Oil level warning light G Engine trouble warning light 5-1 OPERATION AND IMPORTANT RIDING POINTS ECA11040 EAU16671 ECA10260 CAUTION: For maximum engine life, never accelerate hard when the engine is cold! NOTE: The engine is warm when it quickly responds to the throttle. Shifting CAUTION: G 5 1. Shift pedal 2. Neutral position G Shifting gears lets you control the amount of engine power available for starting off, accelerating, climbing hills, etc. The gear positions are shown in the illustration. NOTE: To shift the transmission into the neutral position, press the shift pedal down repeatedly until it reaches the end of its travel, and then slightly raise it. Even with the transmission in the neutral position, do not coast for long periods of time with the engine off, and do not tow the motorcycle for long distances.

The transmission is properly lubricated only when the engine is running. Inadequate lubrication may damage the transmission. Always use the clutch while changing gears to avoid damaging the engine, transmission, and drive train, which are not designed to withstand the shock of forced shifting. 5-2 OPERATION AND IMPORTANT RIDING POINTS EAU16810 EAU16841 ECA10301 Tips for reducing fuel consumption Fuel consumption depends largely on your riding style. Consider the following tips to reduce fuel consumption: G Shift up swiftly, and avoid high engine speeds during acceleration. G Do not rev the engine while shifting down, and avoid high engine speeds with no load on the engine. G Turn the engine off instead of letting it idle for an extended length of time (e.g., in traffic jams, at traffic lights or at railroad crossings). Engine break-in There is never a more important period in the life of your engine than the period between 0 and 1600 km (1000 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 1600 km (1000 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. EAU17091 CAUTION: After 1000 km (600 mi) of operation, the engine oil must be changed and the oil filter cartridge or element replaced. 1600 km (1000 mi) and beyond The vehicle can now be operated normally. ECA10310 CAUTION: G 01000 km (0600 mi) Avoid prolonged operation above 7000 r/min. 1000/1600 km (600/1000 mi) Avoid prolonged operation above 8400 r/min. Keep the engine speed out of the tachometer red zone. If any engine trouble should occur during the engine break-in period, immediately have a Yamaha dealer check the vehicle.

5 5-3 OPERATION AND IMPORTANT RIDING POINTS EAU17212 Parking When parking, stop the engine, and then remove the key from the main switch. EWA10310 WARNING G 5 G Since the engine and exhaust system can become very hot, park in a place where pedestrians or children are not likely to touch them. Do not park on a slope or on soft ground, otherwise the vehicle may overturn. ECA10380 CAUTION: Never park in an area where there are fire hazards such as grass or other flammable materials. 5-4 PERIODIC MAINTENANCE AND MINOR REPAIR EAU17240 EAU17520 EWA10350 Owner's tool kit Safety is an obligation of the owner. Periodic inspection, adjustment and lubrication will keep your vehicle in the safest and most efficient condition possible. The most important points of inspection, adjustment, and lubrication are explained on the following pages. The intervals given in the periodic maintenance and lubrication chart should be simply considered as a general guide under normal riding conditions. However, DEPENDING ON THE WEATHER, TERRAIN, GEOGRAPHICAL LOCATION, AND INDIVIDUAL USE, THE MAINTENANCE INTERVALS MAY NEED TO BE SHORTENED.

EWA10320 WARNING Modifications not approved by Yamaha may cause loss of performance and render the vehicle unsafe for use. Consult a Yamaha dealer before attempting any changes. 1. Owner's tool kit 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 under the seat. (See page 3-13.

) 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.

@@@ Check condition. · Clean and regap. · Replace.

@@ · Adjust. · Replace. · Check operation. · Adjust. · Check operation, fluid level and vehicle for fluid leakage. · Replace brake pads. · Check operation, fluid level and vehicle for fluid leakage. · Replace brake pads. · Check for cracks or damage. · Replace.

· Check runout and for damage. @@@@ Replace if necessary. Check air pressure. Correct if necessary. @@ · Check operation and for excessive play. · Lubricate with lithium-soap-based grease. · Check chain slack, alignment and condition. @@ · Check bearing play and steering for roughness. · Lubricate with lithium-soap-based grease. @@ · Check operation.



[You're reading an excerpt. Click here to read official YAMAHA](http://yourpdfguides.com/dref/2320050)

[FZ6-N user guide](http://yourpdfguides.com/dref/2320050)

<http://yourpdfguides.com/dref/2320050>

· Lubricate. · Check operation. · Check operation and for oil leakage. · Check operation and shock absorber for oil leakage. · Adjust engine idling speed and synchronization.

· Change. · Check oil level and vehicle for oil leakage. · Replace. @ @ ITEM CHECK OR MAINTENANCE JOB 1 23 \* Cooling system 24 \* 25 Front and rear brake switches Moving parts and cables Throttle grip housing and cable · Check coolant level and vehicle for coolant leakage. · Change. · Check operation. · Lubricate. · Check operation and free play. · Adjust the throttle cable free play if necessary. · Lubricate the throttle grip housing and cable. · Check the air cut-off valve, reed valve, and hose for damage. · Replace the entire air induction system if necessary. · Check the screw clamp for looseness. · Check operation. · Adjust headlight beam.

10 20 30 40 ANNUAL CHECK Every 3 years 26 \* 27 \* Air induction system 6 28 \* 29 \* Muffler and exhaust pipe Lights, signals and switches EAU18670  
NOTE: G The air filter needs more frequent service if you are riding in unusually wet or dusty areas. @ @ @ @ @ @ @ @ Panel A 2. @ @ @ @ @ @ @ @ @ @ Do not attempt to diagnose such problems yourself. Instead, have a Yamaha dealer check the vehicle. @ @ @ @ Panel A EAU33020 Panel A To remove the panel 1. Remove the seat. (See page 3-13.) 2. Remove the bolt, and then pull the panel off as shown. 2.

@ @ @ @ @ @ To check the engine oil level 1. @ @ @ @ A slight tilt to the side can result in a false reading. 2. @ @ 3. @ @ @ @ @ @ @ @ @ @ Engine oil filler cap 1.

Engine oil drain bolt 6. Insert and tighten the engine oil dipstick, and then install and tighten the oil filler cap. 1. Dipstick 2. Maximum level mark 3. Minimum level mark NOTE: Skip steps 4-6 if the oil filter cartridge is not being replaced. 4. Remove the oil filter cartridge with an oil filter wrench. 6 NOTE: The engine oil should be between the minimum and maximum level marks. 5. If the engine oil is at or below the minimum level mark, remove the oil filler cap, and then add sufficient oil of the recommended type to raise it to the correct level. To change the engine oil (with or without oil filter cartridge replacement) 1. @ @ 2. Place an oil pan under the engine to collect the used oil. 3.

Remove the engine oil filler cap and drain bolt to drain the oil from the crankcase. 1. Oil filter cartridge 2. Oil filter wrench 6-7 PERIODIC MAINTENANCE AND MINOR REPAIR NOTE: An oil filter wrench is available at a Yamaha dealer. 5. Apply a thin coat of engine oil to the O-ring of the new oil filter cartridge. Recommended engine oil: See page 8-1. Oil quantity: Without oil filter cartridge replacement: 2.50 L (2.64 US qt) (2. 20 Imp.qt) With oil filter cartridge replacement: 2.80 L (2.96 US qt) (2.46 Imp.

qt) ECA11620 1. Torque wrench CAUTION: G Tightening torque: Oil filter cartridge: 17 Nm (1.7 m-kgf, 12 ft-lbf) 6 1. O-ring 7. Install the engine oil drain bolt, and then tighten it to the specified torque.

NOTE: Check the washer for damage and replace it if necessary. Tightening torque: Engine oil drain bolt: 43 Nm (4.3 m-kgf, 31 ft-lbf) NOTE: Make sure that the O-ring is properly seated. 6. Install the new oil filter cartridge with an oil filter wrench, and then tighten it to the specified torque with a torque wrench. G In order to prevent clutch slippage (since the engine 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. Make sure that no foreign material enters the crankcase. 8.

Add the specified amount of the recommended engine oil, and then install and tighten the oil filler cap. 6-8 9. Start the engine, and then let it idle for several minutes while checking it for oil leakage. If oil is leaking, immediately turn the engine off and check for the cause. PERIODIC MAINTENANCE AND MINOR REPAIR EAU20070 NOTE: After the engine is started, the engine oil level warning light should go off if the oil level is sufficient. ECA10400 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. EAU34352 CAUTION: If the oil level warning light flickers or remains on, immediately turn the engine off and have a Yamaha dealer check the vehicle. 10. Turn the engine off, and then check the oil level and correct it if necessary.

To check the coolant level 1. @ @ @ @ @ @ A slight tilt to the side can result in a false reading. 2. Check the coolant level in the coolant reservoir. @ @ Maximum level mark 2.

Minimum level mark 3. Coolant reservoir 3. @ @ (See page 3-13.) 4. @ @ (See page 6-11.

) 5. @ @ Coolant reservoir cap 6 6. @ @ 7. @ @ @ @ @ @ @ @ NOTE: G The radiator fan is automatically switched on or off according to the coolant temperature in the radiator. G If the engine overheats, see page 6-36 for further instructions. CAUTION: G If coolant is not available, use distilled water or soft tap water instead. Do not use hard water or salt water since it is harmful to the engine. 6-10 PERIODIC MAINTENANCE AND MINOR REPAIR EAU34423 ECA10480 Replacing the air filter element The air filter element should be replaced at the intervals specified in the periodic maintenance and lubrication chart. Replace the air filter element more frequently if you are riding in unusually wet or dusty areas. 1.

Remove the seat. (See page 3-13.) 2. Remove the fuel tank bolts, and then lift the fuel tank away from the air filter case. CAUTION: G G 1. Screw 2. Air filter case cover Make sure that the air filter element is properly seated in the air filter case. The engine should never be operated without the air filter element installed, otherwise the piston(s) and/or cylinder(s) may become excessively worn. 4. Pull the air filter element out.

6. Install the air filter case cover by installing the screws. 7. Place the fuel tank in the original position and install the bolts. EWA12462 WARNING G 6 1. Bolt 3. Remove the air filter case cover by removing the screws. 1. Air filter element 2. Air filter case 5.

Insert a new air filter element into the air filter case. G Before placing the fuel tank in the original position, make sure that all hoses (i.e., fuel hose, fuel tank breather hose, fuel tank overflow hose) are not damaged, that they are properly connected and routed, and that they are not pinched. If any hose is damaged, have a Yamaha dealer replace the hose before starting the engine, otherwise fuel may leak. 6-11 PERIODIC MAINTENANCE AND MINOR REPAIR EAU34300 Adjusting the engine idling speed The engine idling speed must be checked and, if necessary, adjusted as follows at the intervals specified in the periodic maintenance and lubrication chart.



[You're reading an excerpt. Click here to read official YAMAHA](http://yourpdfguides.com/dref/2320050)

[FZ6-N user guide](http://yourpdfguides.com/dref/2320050)

<http://yourpdfguides.com/dref/2320050>

The engine should be warm before making this adjustment. EWA12471 1. Hose 1. Idle adjusting screw **WARNING** Be sure to place the hoses in their original position as shown.

6 **NOTE:** The engine is warm when it quickly responds to the throttle. Check the engine idling speed and, if necessary, adjust it to specification by turning the idle adjusting screw. To increase the engine idling speed, turn the screw in direction (a). To decrease the engine idling speed, turn the screw in direction (b). Engine idling speed: 12501350 r/min **NOTE:** If the specified idling speed cannot be obtained as described above, have a Yamaha dealer make the adjustment.

1. Original position (paint mark) 8. Install the seat. 6-12 **PERIODIC MAINTENANCE AND MINOR REPAIR** EAU21381 EAU21401 EAU21771 Checking the throttle cable free play Valve clearance The valve clearance changes with use, resulting in improper air-fuel mixture and/or engine noise. To prevent this from occurring, the valve clearance must be adjusted by a Yamaha dealer at the intervals specified in the periodic maintenance and lubrication chart.

Tires To maximize the performance, durability, and safe operation of your motorcycle, note the following points regarding the specified tires. Tire air pressure The tire air pressure should be checked and, if necessary, adjusted before each ride. EWA10500 **WARNING** 1. Throttle cable free play G The throttle cable free play should measure 3.05.

0 mm (0.120.20 in) at the throttle grip. Periodically check the throttle cable free play and, if necessary, have a Yamaha dealer adjust it. 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). 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. 6 6-13 **PERIODIC MAINTENANCE AND MINOR REPAIR** Tire air pressure

(measured on cold tires): 090 kg (0198 lb): Front: 225 kPa (33 psi) (2.25 kgf/cm<sup>2</sup>) Rear: 250 kPa (36 psi) (2.50 kgf/cm<sup>2</sup>) 90196 kg (198432 lb): Front: 250 kPa (36 psi) (2.50 kgf/cm<sup>2</sup>) Rear: 290 kPa (42 psi) (2.90 kgf/cm<sup>2</sup>) High-speed riding: Front: 225 kPa (33 psi) (2.25 kgf/cm<sup>2</sup>) Rear: 250 kPa (36 psi) (2.50 kgf/cm<sup>2</sup>) Maximum load\*: 196 kg (432 lb) \* Total weight of rider, passenger, cargo and accessories EWA11020 G G G 6 G **WARNING** Because loading has an enormous impact on the handling, braking, performance and safety characteristics of your motorcycle, you should keep the following precautions in mind.

G **NEVER OVERLOAD THE MOTORCYCLE!** Operation of an overloaded motorcycle may result in tire damage, loss of control, or severe injury. Make sure that the total weight of rider, passenger, 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 motorcycle 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 1. Tire sidewall 2. Tire tread depth The tires must be checked before each ride. If the center tread depth reaches the specified limit, if the tire has a nail or glass fragments in it, or if the sidewall is cracked, have a Yamaha dealer replace the tire immediately.

Minimum tire tread depth (front and rear): 1.6 mm (0.06 in) **NOTE:** The tire tread depth limits may differ from country to country. Always comply with the local regulations. 6-14 **PERIODIC MAINTENANCE AND MINOR REPAIR** EWA10470 **WARNING** G This motorcycle is equipped with cast wheels and tubeless tires with valves.

EWA10480 G Have a Yamaha dealer replace excessively worn tires. Besides being illegal, operating the vehicle with excessively worn tires decreases riding stability and can lead to loss of control. The replacement of all wheel and brake related parts, including the tires, should be left to a Yamaha dealer, who has the necessary professional knowledge and experience. **WARNING** G G G Tire information G The front and rear tires should be of the same make and design, otherwise the handling characteristics of the motorcycle cannot be guaranteed. After extensive tests, only the tires listed below have been approved for this model by Yamaha Motor Co.

, Ltd. Always make sure that the valve caps are securely installed to prevent air pressure leakage. Use only the tire valves and valve cores listed below to avoid tire deflation during a high-speed ride. Front tire: Size: 120/70 ZR17M/C (58W) Manufacturer/model: BRIDGESTONE/BT020F GG DUNLOP/D252F Rear tire: Size: 180/55 ZR17M/C (73W) Manufacturer/model: BRIDGESTONE/BT020R GG DUNLOP/D252 FRONT and REAR: Tire air valve: TR412 Valve core: #9100 (original) 6 EWA10600 **WARNING** This motorcycle is fitted with superhigh-speed tires. Note the following points in order to make the most efficient use of these tires. G Use only the specified replacement tires. Other tires may run the danger of bursting at super high speeds. G Brand-new tires can have a relatively poor grip on certain road surfaces until they have been 1. Tire air valve 2. Tire air valve core 3.

Tire air valve cap with seal 6-15 **PERIODIC MAINTENANCE AND MINOR REPAIR** "broken in". Therefore, it is advisable before doing any highspeed riding to ride conservatively for approximately 100 km (60 mi) after installing a new tire. The tires must be warmed up before a high-speed run. Always adjust the tire air pressure according to the operating conditions. EAU21960 EAU22080 Cast wheels To maximize the performance, durability, and safe operation of your vehicle, note the following points regarding the specified wheels. G The wheel rims should be checked for cracks, bends or warpage before each ride. If any damage is found, have a Yamaha dealer replace the wheel. Do not attempt even the smallest repair to the wheel. A deformed or cracked wheel must be replaced. G The wheel should be balanced whenever either the tire or wheel has been changed or replaced.

An unbalanced wheel can result in poor performance, adverse handling characteristics, and a shortened tire life. G Ride at moderate speeds after changing a tire since the tire surface must first be "broken in" for it to develop its optimal characteristics. Adjusting the clutch lever free play G G 1. Clutch lever free play adjusting bolt 2. Clutch lever free play 6 The clutch lever free play should measure 10.

015.0 mm (0.390.59 in) as shown. Periodically check the clutch lever free play and, if necessary, adjust it as follows.

To increase the clutch lever free play, turn the adjusting bolt in direction (a). To decrease the clutch lever free play, turn the adjusting bolt in direction (b). 6-16 **PERIODIC MAINTENANCE AND MINOR REPAIR** EAU36500 EAU22390 **NOTE:** If the specified free play cannot be obtained as described above or if the clutch does not operate correctly, have a Yamaha dealer check the internal clutch mechanism.



[You're reading an excerpt. Click here to read official YAMAHA FZ6-N user guide](http://yourpdfguides.com/dref/2320050)  
<http://yourpdfguides.com/dref/2320050>

Adjusting the rear brake light switch 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. EAU22420 Front brake pads 1. Rear brake light switch 2. Rear brake light switch adjusting nut The rear brake light switch, which is activated by the brake pedal, is properly adjusted when the brake light comes on just before braking takes effect. If necessary, have a Yamaha dealer adjust the brake light switch. 6 1. Brake pad wear indicator groove Each front brake pad is provided with a wear indicator groove, which allows you to check the brake pad wear without having to disassemble the brake.

To check the brake pad wear, check the wear indicator groove. If a brake pad has worn to the point that the wear 6-17 PERIODIC MAINTENANCE AND MINOR REPAIR indicator groove has almost disappeared, have a Yamaha dealer replace the brake pads as a set. EAU22500 EAU36470 Checking the brake fluid level Front brake Rear brake pads 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. NOTE: The rear brake fluid reservoir is located under the fuel tank. (See page 6-11.) 1. Minimum level mark Rear brake 6 1. Lining thickness Check each rear brake pad for damage and measure the lining thickness.

If a brake pad is damaged or if the lining thickness is less than 1.0 mm (0.04 in), have a Yamaha dealer replace the brake pads as a set. 1. Minimum level mark Observe these precautions: G When checking the fluid level, make sure that the top of the brake fluid reservoir is level. G Use only the recommended quality brake fluid, otherwise the rubber seals may deteriorate, causing leakage and poor braking performance. Recommended brake fluid: DOT 4 Insufficient brake fluid may allow air to enter the brake system, possibly causing it to become ineffective. 6-18 G Refill with the same type of brake fluid. Mixing fluids may result in a harmful chemical reaction and lead to poor braking performance. PERIODIC MAINTENANCE AND MINOR REPAIR G G G Be careful that water does not enter the brake fluid reservoir when refilling.

Water will significantly lower the boiling point of the fluid and may result in vapor lock. Brake fluid may deteriorate painted surfaces or plastic parts. Always clean up spilled fluid immediately. As the brake pads wear, it is normal for the brake fluid level to gradually go down. However, if the brake fluid level goes down suddenly, have a Yamaha dealer check the cause. EAU22730 EAU22760 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 master cylinders and calipers as well as the brake hoses replaced at the intervals listed below or whenever they are damaged or leaking. G Oil seals: Replace every two years. G Brake hoses: Replace every four years. Drive chain slack The drive chain slack should be checked before each ride and adjusted if necessary.

EAU22771 To check the drive chain slack 1. Place the motorcycle on the sidestand. NOTE: When checking and adjusting the drive chain slack, there should be no weight on the motorcycle. 2. Shift the transmission into the neutral position. 3. Move the rear wheel by pushing the motorcycle to locate the tightest portion of the drive chain, and then measure the drive chain slack as shown. Drive chain slack: 45.055.0 mm (1.

772.17 in) 6 6-19 PERIODIC MAINTENANCE AND MINOR REPAIR NOTE: 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. 3. Tighten the locknuts, and then tighten the axle nut to the specified torque. Tightening torques: Locknut: 16 Nm (1.

6 m-kgf, 11 ft-lbf) Axle nut: 120 Nm (12.0 m-kgf, 85 ft-lbf) 1. Drive chain slack 4. If the drive chain slack is incorrect, adjust it as follows. EAU34361 6 To adjust the drive chain slack 1.

Loosen the axle nut, then loosen the locknut at each end of the swingarm. 2. To tighten the drive chain, turn the 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. 1. 2. 3. 4.

Axle nut Drive chain slack adjusting nut Locknut Alignment marks ECA10570 CAUTION: Improper drive chain slack will overload the engine as well as other vital parts of the motorcycle and can lead to chain slippage or breakage. To prevent this from occurring, keep the drive chain slack within the specified limits.

6-20 PERIODIC MAINTENANCE AND MINOR REPAIR EAU23022 ECA11110 EAU23100 Cleaning and lubricating the drive chain The drive chain must be cleaned and lubricated at the intervals specified in the periodic maintenance and lubrication chart, otherwise it will quickly wear out, especially when riding in dusty or wet areas. Service the drive chain as follows. ECA10581 CAUTION: Do not use engine oil or any other lubricants for the drive chain, as they may contain substances that could damage the O-rings. Checking and lubricating the cables The operation of all control cables and the condition of the cables should be checked before each ride, and the cables and cable ends should be lubricated if necessary. If a cable is damaged or does not move smoothly, have a Yamaha dealer check or replace it. Recommended lubricant: Engine oil EWA10720 CAUTION: The drive chain must be lubricated after washing the motorcycle and riding in the rain. 1. Clean the drive chain with kerosene and a small soft brush. ECA11120 WARNING Damage to the outer sheath may interfere with proper cable operation and will cause the inner cable to rust. Replace a damaged cable as soon as possible to prevent unsafe conditions. 6 CAUTION: To prevent damaging the O-rings, do not clean the drive chain with steam cleaners, high-pressure washers or inappropriate solvents. 2. Wipe the drive chain dry. 3. Thoroughly lubricate the drive chain with a special O-ring chain lubricant.

6-21 PERIODIC MAINTENANCE AND MINOR REPAIR EAU23111 EAU23131 Checking and lubricating the throttle grip and cable The operation of the throttle grip should be checked before each ride. In addition, the cable should be lubricated at the intervals specified in the periodic maintenance chart.

Checking and lubricating the brake and shift pedals Recommended lubricant: Lithium-soap-based grease (all-purpose grease) 6 The operation of the brake and shift pedals should be checked before each ride, and the pedal pivots should be lubricated if necessary. 6-22 PERIODIC MAINTENANCE AND MINOR REPAIR EAU23140 EAU23200 Checking and lubricating the brake and clutch levers Brake lever Recommended lubricant: Lithium-soap-based grease (all-purpose grease) Checking and lubricating the sidestand Clutch lever 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.



[You're reading an excerpt. Click here to read official YAMAHA FZ6-N user guide](http://yourpdfguides.com/dref/2320050)  
<http://yourpdfguides.com/dref/2320050>