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Service manual yamaha xj6

Get instant access to a comprehensive service repair manual for your 2009-2012 Yamaha Diversion (XJ6S/XJ6SY/XJ6SA) motorcycle. This digital manual is the same one used by dealerships, covering all essential topics such as engine maintenance, transmission, chassis and steering, lighting and brakes, suspension, and more. The manual is in Adobe Acrobat format and can be easily printed or compiled into a 3-ring binder for quick reference. It's fully compatible with both PC and Mac computers. If you need a specific service manual for your Yamaha Diversion model, please message the seller to check availability. With instant digital delivery, you can start servicing your bike immediately with trusted, professional information at your fingertips. **Note:** For best results, ensure a high-speed internet connection as some files may be large for dial-up users. ****Yamaha Motorcycle Model List**** This list includes various Yamaha motorcycle models, including: * X-series (XJR 1300, XJ 1300, etc.) * XL-series (XL 1200, XL 800, etc.) * XMAX series (XMAX 125, XMAX 250, etc.) * XS-series (XSR 125, XSR 700, etc.) * XT-series (XT1200Z, XT600E, etc.) * XV-series (XV1600A, XV1900A, etc.) * Y-series (YBR125, YFM250R, etc.) * YZF-series (YZF1000, YZF-R1, etc.) ****Manuals and Guides**** The list also includes manuals and guides for various Yamaha motorcycle models, including: * XJ6-N manual (100 pages) * XMAX 250 manual (98 pages) * TTR125 2005 Workshop Manual * XT660R Owner's Manual ****About Emanual Online**** Emanual Online is a website that provides online manuals and guides for various vehicles, including motorcycles. They have been in business for 15 years and have over 1 million customers worldwide. ****Contact Information**** If you need to contact Emanual Online, you can reach them at: * Phone: +1 641-715-3900 - Ext: 464145 * Email: support@emmanualonline.com * Physical Address: 1201 Orange Street, Wilmington, DE, 19899, United States ****Important Safety Precautions**** As the owner of this motorcycle, you are responsible for ensuring its safe operation. Always follow pre-operation checks to avoid accidents or equipment damage (see page 4-1). A responsible owner will also take necessary precautions when riding with a passenger. When carrying a passenger, ensure they hold onto you, the seat strap, or grab bar with both hands and keep their feet on the footpegs. Many inexperienced operators have been involved in accidents, even without a valid motorcycle license (page 9). To avoid carbon monoxide poisoning, be aware that all engine exhaust contains this deadly gas. Inhaling it can cause headaches, dizziness, nausea, confusion, and eventually death. ****Loading Cargo and Accessories**** When adding cargo or accessories, take extra care to maintain the vehicle's balance and stability. Yamaha-approved accessories (available only from a Yamaha dealer) will not reduce ground clearance or cornering ability but may limit suspension travel or steering control. However, using unauthorized accessories can compromise control and safety. ****Electrical Accessories and Precautions**** When adding electrical accessories, use caution to avoid compromising the vehicle's electrical system. Always consult the owner's manual for specific instructions on handling and installing these components. Please refer to your vehicle's documentation for important notes regarding the main switch/steering lock, as well as instrument and control functions. Key takeaways include: * Do not turn the key to "OFF" or "LOCK" while the vehicle is in motion, as this may lead to loss of control or an accident. * If any warning lights come on, have a Yamaha dealer check the system as soon as possible. * The self-diagnosis device detects problems in the electrical circuit and immobilizer system. * Ensure the key is turned to "ON" before using the "SELECT" and "RESET" buttons. * For UK users, pressing the "SELECT" button for one second allows switching between kilometers and miles on the speedometer and odometer/tripmeter displays. * If the fuel meter starts flashing and the odometer display changes to the fuel reserve tripmeter mode "F-TRIP", have a Yamaha dealer check the electrical circuit. * The hazard lights are used in emergency situations or when stopped, while the turn signal switch is used to indicate a right-hand turn by pushing the switch to " ". To activate the front brake, pull the lever towards the throttle grip. The brake pedal is situated on the right side of the motorcycle. This ABS system has a test mode that allows you to experience the pulsation at the brake lever or pedal when the ABS is operating. The Yamaha ABS features a dual electronic control system, which acts on the front and rear brakes. Make sure there is sufficient gasoline in the tank and follow proper refueling procedures to avoid fires and explosions. Your Yamaha engine has been designed to use regular unleaded gasoline with a research octane number of 3-16. The model is equipped with a catalytic converter in the exhaust system, which becomes hot after operation. To prevent a fire hazard or burns, ensure that the seat is properly secured before riding. The seat can be removed by inserting the key into the seat lock and turning it counterclockwise, then lifting the rear of the seat up and pulling it off. The helmet holder on the right side of the vehicle should not be used to ride with a helmet attached, as this may cause loss of control and possibly an accident. The storage compartment is located under the seat and can be accessed by lifting the seat. When storing or disposing of the Owner's Manual or other items, do not attempt to repair or replace any parts yourself, including shock absorbers. Regularly check the engine and have a Yamaha dealer perform maintenance if necessary. Before using this vehicle, ensure that all instruments, lights, signals, and switches are functioning correctly. If your system is malfunctioning, take it to a Yamaha dealership for inspection within 3-22 km. This model features a lean angle sensor that stops the engine in case of a turnover. The display will show an error message if this occurs. A Yamaha dealer should be consulted to check the electrical circuit. To operate the vehicle, start by shifting into neutral gear with the clutch lever pulled up. If you're not familiar with the process, consult your dealership for guidance. The shift pedal is designed for normal operation and can withstand shock from forced shifting. However, it's essential to keep the engine speed within a safe zone and avoid over-revving. When parking, switch off the engine and remove the key from the main switch. Be cautious not to touch hot engine parts or exhaust systems, which can cause burns. If you're unsure about vehicle maintenance, have a Yamaha dealer perform the necessary tasks. cause any spark plug to slowly erode, they should be removed and checked in accordance with the periodic maintenance and lubrication schedule. This includes checking the engine oil level before each ride, changing the oil and replacing the oil filter cartridge at specified intervals, and ensuring the crankcase is properly drained. Additionally, regular checks of the air filter element are necessary to ensure optimal performance. The fuel tank bolts and seat should also be securely installed to prevent any issues during operation. It is crucial to monitor the engine idling speed, which should be between 1250-1350 revolutions per minute. If this cannot be achieved, a Yamaha dealer should be consulted to make the necessary adjustments. Furthermore, the throttle grip free play should be measured and maintained within specified limits to prevent any issues. The tires must also be regularly inspected for signs of wear or damage, with replacement recommended if they show excessive wear or are damaged beyond repair. of the same specifications, ride with the Bridgestone/BT021R DUNLOP/SPORTMAX-R tire, as well as the FRONT and REAR wheels. If any damage is detected, have a Yamaha dealer replace the wheel, rather than attempting to repair it yourself. Regular maintenance and adjustments are necessary for proper functioning of the clutch lever, rear brake light switch, and brake system. The brake fluid level should be checked periodically, with a Yamaha dealer replacing the fluid at specified intervals. It is crucial to ensure the drive chain slack is properly adjusted before each ride and lubricate any cables or pedals as needed. Additionally, the sidestand must function smoothly to prevent loss of control. Regular maintenance and inspections by a Yamaha dealer are essential for safe and reliable operation. Please note that I have applied the "WRITE AS A NON-NATIVE ENGLISH SPEAKER (NNES)" rewriting method, which is 30% of the total probability. To prevent battery discharge, keep it charged regularly, especially if you notice a drop in power. The battery is located under the seat. For optimal performance, have a Yamaha dealer check the electrical system periodically. When replacing fuses, make sure to locate the main fuse and individual circuit fuses, which are also situated under the seat (Page 79). If a fuse blows again after replacement, inspect the electrical system with a Yamaha dealer's assistance. The headlight is equipped with a halogen bulb. In case of burnout, follow these steps: Carefully remove any damaged parts, then replace the bulb with a new one, securing it with the holder and reinstalling the cover (Page 81). If necessary, adjust the headlight beam with a Yamaha dealer's help. For other light-related replacements, refer to the following: * Replace the brake/tail light bulb by removing the lens and socket (Page 3-18). * For non-ABS models, support the motorcycle when removing the front wheel. ABS models require professional assistance from a Yamaha dealer. * To remove the rear wheel, carefully push down on the handlebar and remove the caliper, taking care not to apply the brake after removal. Remember to follow proper procedures for each replacement task to avoid damage or safety issues. Consult your owner's manual or contact a Yamaha dealer if you're unsure about any process. Bracket the wheel axle from the right side to prevent damage. The troubleshooting charts below provide easy-to-follow procedures for checking vital systems yourself, but if your motorcycle needs repair, take it to a Yamaha dealer, who has the necessary expertise and tools to service it properly. ****Vehicle Checks**** 1. Compression: - If the engine doesn't start due to low compression, check that there's enough coolant. - However, if you're unable to find any issues with the cooling system or do not have access to proper coolant, consult a Yamaha dealer for assistance and ensure that your motorcycle is properly maintained. 2. Engine Overheats: - If your engine overheats again after checking the coolant level, take your motorcycle to a Yamaha dealer for them to inspect and repair the cooling system. - Temporarily using tap water as an alternative can be considered, provided it is replaced with the recommended coolant as soon as possible. 3. Rust and Corrosion Prevention: - Avoid using high-quality components if you're unsure about their durability, as they may not withstand harsh conditions. - Consult a Yamaha dealer for advice on suitable products to use for cleaning your motorcycle without causing damage. ****Motorcycle Care and Storage**** - Always store your motorcycle in a cool place protected from dust with a porous cover, and make any necessary repairs before storing it away. - Ensure the engine is properly maintained and that there are no leaks or issues with the cooling system that could cause problems during storage. ****Specifications and Important Information**** - Engine oil quantity: 2.50 L (with oil filter removal) / 2.80 L - Overall dimensions: Length, Width, Height - Coolant quantity: - Weight capacity per seat: 90 kg (198 lb) for the first seat, with maximum load capacities listed ****Battery and Electrical System Information**** - Battery voltage and capacity: 12 V, 10.0 Ah (10 HR) - Fuse ratings for various electrical components, including the ABS control unit, radiator fan motor, fuel injection system, headlight, and more. Yamaha spare parts ordering requires specific information from the dealer. Key components listed include handlebar switches, hazard switch, and ABS system details for models equipped with this feature. Additionally, maintenance and repair sections cover headlight bulb replacement, air filter element replacement, and troubleshooting charts. The manual also includes information on throttle grip free play, tire checks, tool kits, and vehicle identification numbers. Printed on recycled paper in Japan, this 2015 edition is available online through manualslib.com for download or viewing as an English-language document.