

6 Sigma 6SIG4499

6 Sigma Cagiva Blues 125 Carburetor Jet Kit Instruction Manual

Brand: 6 Sigma | Model: 6SIG4499

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your 6 Sigma Carburetor Jet Kit for the Cagiva Blues 125 motorcycle. This kit is designed to optimize your carburetor's performance, especially after modifications to the exhaust or intake system. Proper installation ensures maximum engine performance and longevity by correcting lean fuel conditions.

Kit Contents:

- Main Jets
- Needle Adjusters
- Nylon Spacers
- Drill Bits for: Slide Hole Modification (with CV carb), Slide Spring Modification (with CV carb), Idle Mixture Modification
- Carburetor Schematic
- Bike Specific Specifications
- Carburetor Synchronizer Tool (instructions to build for \$5)
- Step-by-step instructions customized to your bike with photos
- Carburetor Cleaning Procedure
- Proper Tuning Techniques

2. IMPORTANT SAFETY INFORMATION

Always exercise caution when working with fuel systems and motorcycles. Ensure the engine is cool before beginning any work. Disconnect the battery to prevent accidental starting. Work in a well-ventilated area and keep fire extinguishers nearby. Fuel is highly flammable. Wear appropriate personal protective equipment, including gloves and eye protection. If you are unsure about any step, consult a qualified mechanic.

Legal Disclaimer: Please check your local laws and regulations regarding vehicle modifications before purchasing or installing this product.



Figure 2: A detailed view of the 6 Sigma Racing Carburetor Jet Kit packaging. It clearly shows the 'Kit Includes' section, listing components like main jets, needle adjusters, and drill bits for various carburetor modifications. A prominent graph illustrates the potential horsepower gains across the RPM range, emphasizing the performance benefits of the kit.

4. OPERATING PRINCIPLES AND TUNING

The stock carburetor settings are often designed to meet emissions regulations, not for peak performance. When an aftermarket exhaust or intake is installed, the engine receives more air, leading to a lean fuel condition. A lean condition can cause engine damage due to excessive heat and detonation, often indicated by exhaust popping.

This jet kit enriches the fuel mixture across all throttle positions, correcting the lean condition and allowing the engine to run cooler and more efficiently. This results in increased horsepower, improved throttle response, and extended engine life.

Tuning Techniques:

The kit includes specific instructions on proper tuning techniques. It is essential to follow these guidelines to achieve the best performance and ensure the engine operates within safe parameters. Tuning involves adjusting the fuel delivery to match the engine's air intake, optimizing for your specific modifications.

5. MAINTENANCE

Regular maintenance of your carburetor is crucial for sustained performance after installing the jet kit. This includes periodic cleaning of the carburetor to prevent fuel deposits from obstructing the jets and passages. Refer to the Carburetor Cleaning Procedure included with your kit for detailed steps. Inspect fuel lines and connections for leaks or wear regularly.

6. TROUBLESHOOTING

If you encounter issues after installing the jet kit, review the following common problems and solutions:

Common Issues:

- **Engine Popping (especially on deceleration):** This typically indicates a lean fuel condition. Double-check all jetting components and adjustments. Ensure there are no air leaks in the intake or exhaust system.
- **Poor Performance or Hesitation:** Verify that all kit components are installed correctly and that the tuning techniques have been applied accurately for your specific modifications. Incorrect jet sizes or needle settings can lead to suboptimal performance.
- **Fuel Leaks:** Inspect all carburetor gaskets, O-rings, and fuel lines for proper seating and integrity. Ensure all screws and clamps are tightened to specification.
- **Difficulty Starting:** Confirm proper choke operation and idle mixture screw settings. A very rich or very lean idle mixture can cause starting issues.

If troubleshooting steps do not resolve the issue, please refer to the support information provided with your kit.

7. SPECIFICATIONS

Feature	Detail
Brand	6 Sigma
Model Number	6SIG4499
UPC	715658125622
Recommended Uses	Motorcycle (Cagiva Blues 125)
Fuel Type	Gasoline
Flange Type	Bolt On

8. WARRANTY AND SUPPORT


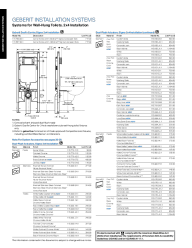

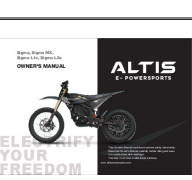

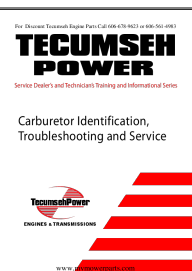
Satisfaction Guarantee:

6 Sigma offers a 100% Satisfaction Guarantee. Upon installation, if you are not happy with the results, you are eligible for a full refund. Please refer to the specific terms and conditions provided with your purchase for details on how to claim this guarantee.

Technical Support:

For further assistance, technical questions, or support regarding the installation and tuning of your jet kit, please refer to the contact information provided with your product or visit the official 6 Sigma website. Our support team is available to help ensure you achieve optimal performance from your motorcycle.

Related Documents - 6SIG4499

	<p>Bodet SIGMA Master Clocks: Technical Overview and Features</p> <p>Explore the Bodet SIGMA Master Clock series, offering precise time distribution, control of building systems, and network synchronization. Learn about different models, configurations, and complementary products for robust time management solutions.</p>
	<p>Geberit Installation Systems: Wall-Hung Toilet Carriers, Actuators, and Accessories</p> <p>Comprehensive catalog of Geberit Duofix carriers, Sigma 2x4 installation systems, dual-flush and single-flush actuators, hands-free options, and essential accessories for wall-hung toilet installations. Includes model numbers and specifications.</p>
	<p>Bodet Sigma Software User Manual: Master Clock Configuration and Operation</p> <p>This user manual provides comprehensive guidance on configuring and operating the Bodet Sigma software for master clock management, time distribution, and audio broadcasting systems. Learn about system setup, software menus, configuration options, and troubleshooting.</p>
	<p>Altis Sigma Series Owner's Manual: Safety, Operation, and Maintenance</p> <p>Comprehensive owner's manual for Altis Sigma, Sigma MX, Sigma L1e, and Sigma L3e electric motorcycles. Covers safety guidelines, operation, maintenance, troubleshooting, and specifications for a safe riding experience.</p>
	<p>Wharfedale Pro SIGMA-X Series Loudspeaker Quick Start Guide - Specifications & Rigging</p> <p>Quick start guide for Wharfedale Pro SIGMA-X series loudspeakers (SIGMA-X8, X10, X12, X15), including detailed specifications, mounting hardware instructions, rigging safety guidelines, and warranty information.</p>
	<p>Tecumseh Power Carburetor Identification, Troubleshooting, and Service Guide</p> <p>Comprehensive guide for identifying, troubleshooting, and servicing Tecumseh Power carburetors, including detailed instructions, pre-sets, adjustments, and failure analysis.</p>