

6 Sigma SI0001196

6 Sigma Custom Carburetor Jet Kit Instruction Manual

For Linhai LH260 ATV Quad 2x4 4x4

1. INTRODUCTION

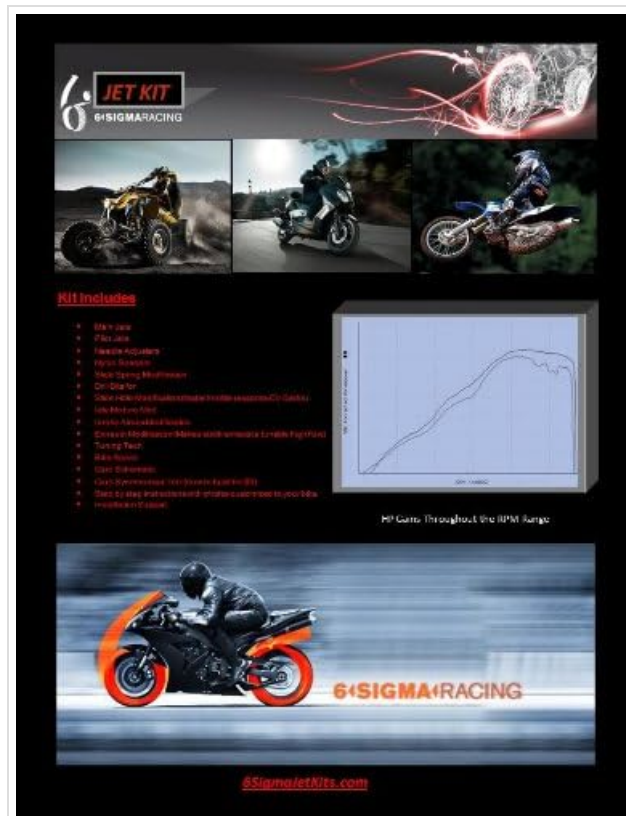
This manual provides detailed instructions for the installation, operation, and maintenance of your 6 Sigma Custom Carburetor Jet Kit. This kit is specifically designed to optimize the performance of your Linhai LH260 ATV's carburetor, ensuring efficient fuel delivery and preventing engine damage caused by lean running conditions. Proper installation and tuning are crucial for achieving the intended benefits.

2. KIT CONTENTS

Your 6 Sigma Custom Carburetor Jet Kit is tailored to your specific vehicle and modifications. The kit typically includes the following components:

- **Main Jets:** For full throttle fuel delivery.
- **Needle Adjusters:** For mid-range throttle adjustments.
- **Nylon Spacers:** Used with needle adjusters.
- **Drill Bits:** Specific sizes for slide hole modification (CV carbs), idle mixture modification, and slide spring modification (CV carbs).
- **Carburetor Schematic:** A diagram of your carburetor for identification of components.
- **Specifications:** Detailed vehicle and carburetor specifications.
- **Carb Synchronizer Tool (How-to-Build):** Instructions for constructing a simple synchronizer tool.
- **Carburetor Cleaning Procedure:** Step-by-step guide for thorough cleaning.
- **Proper Tuning Techniques:** Guidance on fine-tuning your carburetor.
- **Step-by-Step Instructions with Photos:** Comprehensive installation guide.

Note: The exact contents may vary slightly based on your specific vehicle and modifications.



This diagram provides a clear overview of the 6 Sigma Jet Kit's components and the performance benefits it offers. It visually represents the various parts included, such as main jets, needle adjusters, and drill bits, alongside a graph demonstrating horsepower improvements. The diagram also features images of powersports vehicles, emphasizing the kit's versatility.

3. SETUP AND INSTALLATION

Installation of the 6 Sigma Jet Kit requires careful attention to detail. It is recommended that this procedure be performed by individuals with mechanical aptitude. Only basic hand tools are required.

1. **Provide Vehicle Information:** Before receiving your kit, ensure you have provided your exact year, model, any modifications made (e.g., aftermarket exhaust, intake), and elevation. This information is critical for customizing your kit for optimum performance.
2. **Review Instructions:** Thoroughly read the step-by-step instructions and refer to the included carburetor schematic before beginning any work. Familiarize yourself with all components and procedures.
3. **Carburetor Removal and Cleaning:** Carefully remove the carburetor from your ATV. Perform a complete cleaning of the carburetor using the provided cleaning procedure. A clean carburetor is essential for proper jet kit function.
4. **Component Replacement:** Follow the detailed instructions to replace the stock main jets with the new main jets, install needle adjusters, and perform any necessary drill bit modifications (slide hole, idle mixture, slide spring) as specified for your carburetor type (e.g., CV carb).
5. **Reassembly:** Reassemble the carburetor carefully, ensuring all components are correctly seated and tightened to specifications. Reinstall the carburetor onto your ATV.
6. **Carburetor Synchronization:** If your ATV has multiple carburetors, use the provided instructions to build and utilize a carburetor synchronizer tool to ensure proper synchronization.

Warning: Running an engine with an improperly jetted carburetor, especially after intake or exhaust modifications, can lead to a lean condition, causing excessive heat, detonation, and severe engine damage. Ensure all steps are followed precisely.

advisable to re-evaluate your jetting to ensure the carburetor remains properly tuned for the new setup.

6. TROUBLESHOOTING

If you encounter performance issues after installing the jet kit, consider the following:

- **Exhaust Popping:** If exhaust popping persists, it indicates a lean condition. Re-check your jet sizes, needle position, and idle mixture screw settings. Ensure there are no air leaks in the intake system.
- **Poor Throttle Response:** If throttle response is sluggish or inconsistent, verify that all carburetor components are clean and correctly installed. Adjust needle position and idle mixture as per tuning instructions.
- **Engine Damage Risk:** Persistent lean conditions can damage your engine. If you suspect a lean condition, cease operation and re-evaluate your installation and tuning.
- **Support:** If you are unable to resolve an issue, please contact 6 Sigma support for assistance.

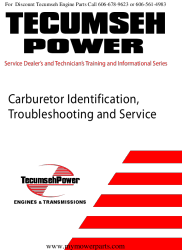



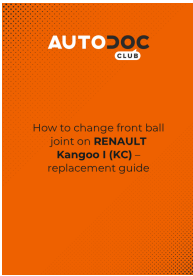

7. SPECIFICATIONS

Product Name	6 Sigma Custom Carburetor Jet Kit
Model Number	SI0001196
Compatible Vehicle	Linhai LH260 ATV Quad 2x4 4x4
Kit Customization	Custom made to specific year, model, modifications, and elevation.
Key Components	Main Jets, Needle Adjusters, Nylon Spacers, Drill Bits, Carb Schematic, Tuning Guides

8. WARRANTY AND SUPPORT

6 Sigma stands behind the quality and performance of its products.

- **100% Satisfaction Guarantee:** Upon installation, if you are not satisfied with the results, 6 Sigma offers a full refund.
- **Full Support:** Comprehensive support is available to assist with installation, tuning, and any questions you may have.
- **Contact:** For support or to initiate a return under the satisfaction guarantee, please email 6 Sigma directly through the Amazon platform, providing your order details and specific concerns.

 <p>TECUMSEH POWER Service Dealer's and Technician's Training and Informational Series</p> <p>Carburetor Identification, Troubleshooting and Service</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>
 <p>AVAYA</p> <p>Avaya Agent for Desktop Release Notes</p>	<p>Avaya Agent for Desktop Release Notes: Version 1.7.41.9</p> <p>This document provides release notes for Avaya Agent for Desktop version 1.7.41.9, detailing new features, enhancements, and fixed issues. It covers various versions and functionalities of the Avaya Agent for Desktop software.</p>
 <p>AVAYA</p> <p>Avaya Aura® Release Notes</p>	<p>Avaya Aura 7.1.x.x Release Notes: Comprehensive Guide</p> <p>Explore the Avaya Aura 7.1.x.x Release Notes, detailing new features, fixes, and known issues for Avaya Aura Communication Manager, Session Manager, and System Manager. This document provides essential information for users and administrators.</p>
 <p>USER MANUAL (Y-6)</p>	<p>LUYUAN Y-6 ATV User Manual and Maintenance Guide</p> <p>Comprehensive user manual for the LUYUAN Y-6 ATV, covering assembly, operation, safety, maintenance, troubleshooting, and warranty information. Includes technical specifications and parts list.</p>
 <p>AUTODOC CLUB</p> <p>How to change front ball joint on RENAULT Kangoo I (KC) - replacement guide</p>	<p>How to Change Front Ball Joint on Renault Kangoo I (KC) - AUTODOC Replacement Guide</p> <p>A comprehensive step-by-step guide from AUTODOC on how to replace the front ball joint for a Renault Kangoo I (KC). Includes tools needed and detailed instructions for various engine types.</p>
 <p>iSpring Reverse Osmosis Water Filter Systems USER'S MANUAL (Under-sink 5-stage, 6-stage, 7-stage RO systems) Version 2019.3</p>	<p>iSpring Reverse Osmosis Water Filter Systems User Manual</p> <p>Comprehensive user manual for iSpring under-sink 5-stage, 6-stage, and 7-stage Reverse Osmosis (RO) water filter systems. Includes installation guides, operating conditions, parts index, warranty information, and maintenance tips.</p>