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Aramox Aramoxong921f4g5

Aramox 8 Pin CDI Box Instruction Manual for AN125 HS125T

Introduction

This manual provides essential information for the installation, operation, and maintenance of your Aramox 8 Pin CDI Box. This product is designed as an ignition electrical part for AN125 and HS125T motorcycles, aiming to enhance ignition energy for improved start-up and smoother driving performance.

Please read these instructions carefully before installation and use to ensure proper function and safety.

Safety Information

- Always disconnect the motorcycle's battery before performing any electrical work to prevent electrical shock or damage.
- Ensure the motorcycle is turned off and cooled down before handling ignition components.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- If you are unsure about any step, consult a qualified motorcycle mechanic.
- Keep children and pets away from the work area.

Product Overview

The Aramox 8 Pin CDI Box is a crucial component for your motorcycle's ignition system. It is constructed from high-quality plastic casing and features a brass core for optimal electrical conductivity and durability. This CDI unit is designed to replace the original CDI box in compatible AN125 and HS125T models.



Figure 1: Front view of the Aramox 8 Pin CDI Box. This image shows the compact black plastic housing of the CDI unit.

Package Contents:

- 1 x Aramox 8 Pin CDI Box

Specifications

Feature	Detail
Condition	Brand new
Material	Plastic + Brass
Color	Black
Connection Type	8-pin

Package Weight	Approx. 234g (8.3oz)
Product Dimensions	9 x 4 x 8 cm
Item Weight	209 g
Fitment	For AN125, HS125T
Installation Type	Plug In

Setup and Installation

The Aramox 8 Pin CDI Box is designed for straightforward plug-and-play installation. No additional adjustments are typically required. Follow these steps for proper installation:

1. **Prepare the Motorcycle:** Ensure the motorcycle is turned off and the ignition key is removed. Disconnect the negative terminal of the battery to prevent accidental electrical shorts.
2. **Locate the Existing CDI Box:** Refer to your motorcycle's service manual to identify the location of the original CDI box. It is typically found under the seat, near the battery, or within the frame.
3. **Disconnect the Old CDI Box:** Carefully unplug the 8-pin connector from the existing CDI unit. Note the orientation of the connector.
4. **Remove the Old CDI Box:** Unmount the old CDI box from its bracket or securing points.
5. **Install the New Aramox CDI Box:** Position the new Aramox 8 Pin CDI Box in the same location as the old one. Secure it using the existing mounting hardware or suitable alternatives.
6. **Connect the 8-Pin Connector:** Align the 8-pin connector from the motorcycle's wiring harness with the corresponding port on the new Aramox CDI Box. Push firmly until it clicks into place, ensuring a secure connection.
7. **Reconnect Battery:** Reconnect the negative terminal of the motorcycle's battery.
8. **Test Functionality:** Turn the ignition key to the ON position and attempt to start the motorcycle. Verify that the engine starts and runs smoothly.



Figure 2: Detailed view of the 8-pin connector. This image highlights the precise pin configuration for correct installation.



Figure 3: Various angles of the CDI Box, showing the overall design and connector placement for installation reference.

Operating Principles

The Aramox 8 Pin CDI Box functions as a Capacitive Discharge Ignition unit. It stores electrical energy in a capacitor and then discharges it through the ignition coil at the precise moment required for spark plug firing. This process generates a strong, consistent spark, which is crucial for efficient engine combustion.

This aftermarket CDI is designed to optimize ignition timing and energy, potentially leading to easier engine start-up and smoother overall engine operation. It may also help eliminate speed limits imposed by stock CDI units and reset the ignition advance curve, which can contribute to improved performance.

Maintenance

The Aramox 8 Pin CDI Box is a sealed unit and requires minimal maintenance. To ensure its longevity and optimal performance:

- **Keep Clean:** Periodically inspect the CDI box and its connections for dirt, dust, or corrosion. Clean with a soft, dry cloth if necessary. Avoid using harsh chemicals or solvents.
- **Check Connections:** Ensure the 8-pin connector remains securely plugged in and free from damage. Loose connections can lead to intermittent ignition issues.
- **Environmental Protection:** While designed for motorcycle use, avoid exposing the CDI box to excessive moisture or extreme temperatures beyond normal operating conditions.

Troubleshooting

If you experience issues after installing the Aramox 8 Pin CDI Box, consider the following troubleshooting steps:

- **Motorcycle Does Not Start:**
  - Verify all connections, especially the 8-pin connector, are secure.
  - Check the battery charge and connections.
  - Inspect spark plugs for proper gap and condition.
  - Ensure the kill switch is in the RUN position.
- **Intermittent Engine Operation or Misfires:**
  - Check for loose wiring or corroded terminals on the CDI connector.
  - Inspect the ignition coil and spark plug wires for damage.
  - Ensure the CDI box is securely mounted and not vibrating excessively.
- **No Spark:**
  - Confirm the CDI box is receiving power.
  - Test the ignition coil for proper resistance.
  - If possible, test the CDI unit with a known good unit or consult a professional.

If problems persist after performing these checks, it is recommended to seek assistance from a qualified motorcycle technician.

Warranty and Support

For information regarding warranty coverage or technical support for your Aramox 8 Pin CDI Box, please refer to the retailer where the product was purchased or visit the official Aramox brand store online. Keep your purchase receipt as proof of purchase.

Aramox Store: Visit the Aramox Store

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