

TK CDI DC 4 PIN 50cc 70cc 90cc 110cc 125cc ATV DIRT BIKE BAJA PEACE YAMOTO LONCIN

TK DC 4-Pin CDI Unit Instruction Manual

For 50cc, 70cc, 90cc, 110cc, and 125cc ATVs and Dirt Bikes

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your TK DC 4-Pin CDI (Capacitor Discharge Ignition) unit. This unit is designed to provide reliable ignition timing for various 50cc to 125cc ATV and dirt bike engines. Please read this manual thoroughly before installation to ensure correct usage and optimal performance.

2. SAFETY INFORMATION

Always prioritize safety when working with electrical components and vehicle engines. Failure to follow safety precautions can result in injury or damage to the product or vehicle.

- Ensure the vehicle's ignition is off and the battery is disconnected before beginning any installation or maintenance.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Avoid touching electrical connections with wet hands.
- Do not attempt to modify the CDI unit. Unauthorized modifications can lead to malfunction and void any potential warranty.
- If you are unsure about any step, consult a qualified mechanic.

3. PRODUCT OVERVIEW

The TK DC 4-Pin CDI unit is a direct current (DC) powered ignition control module. It is designed for a wide range of Chinese-made 50cc, 70cc, 90cc, 110cc, and 125cc ATVs and dirt bikes, including models from Baja, Peace, Yamoto, and Loncin. This unit is a replacement part intended to restore or improve ignition performance.



Figure 1: TK DC 4-Pin CDI Unit. This image displays the compact black rectangular CDI unit with a green 4-pin connector visible on one side.

Key Features:

- **Type:** DC (Direct Current) powered.
- **Connector:** 4-Pin.
- **Compatibility:** Designed for 50cc, 70cc, 90cc, 110cc, and 125cc ATV and dirt bike engines.

4. SETUP AND INSTALLATION

Follow these steps carefully for proper installation of the CDI unit.

1. **Preparation:** Ensure the vehicle is turned off and the key is removed. Disconnect the negative terminal of the battery to prevent accidental electrical shorts.
2. **Locate Existing CDI:** Identify the current CDI unit on your ATV or dirt bike. It is typically a small, rectangular box connected to the wiring harness.
3. **Verify Compatibility:** Confirm that your existing CDI unit is a DC type and has a 4-pin connector. This TK CDI unit is a DC type. If your vehicle uses an AC CDI, this unit will not be compatible.
4. **Disconnect Old CDI:** Carefully unplug the wiring harness from the old CDI unit. Note the orientation of the connector.
5. **Install New CDI:** Connect the wiring harness to the new TK DC 4-Pin CDI unit. Ensure the connector is fully seated and secure. The 4-pin connector should click into place.
6. **Secure the Unit:** Mount the new CDI unit securely in a location that protects it from excessive vibration, heat, and moisture. Use existing mounting points if available.
7. **Reconnect Battery:** Reconnect the negative terminal of the battery.
8. **Test:** Turn the ignition on and attempt to start the engine. Verify proper spark and engine operation.

Note: Wiring configurations can vary slightly between vehicle models. If you encounter difficulties, refer to your vehicle's specific service manual or consult a professional.

5. OPERATING INSTRUCTIONS

The CDI unit is an automatic electronic component. Once correctly installed, it operates continuously with the engine's ignition system. No user intervention is required for its operation. Its function is to precisely control the timing of the spark plug firing, which is crucial for engine performance and efficiency.

6. MAINTENANCE

The TK DC 4-Pin CDI unit is designed to be maintenance-free. However, periodic checks can help ensure its

longevity and reliable performance:

- **Inspect Connections:** Periodically check the wiring harness connection to the CDI unit to ensure it remains secure and free from corrosion.
- **Keep Dry:** Ensure the CDI unit is protected from excessive moisture and water exposure.
- **Cleanliness:** Keep the area around the CDI unit clean and free of dirt, debris, and oil buildup.

7. TROUBLESHOOTING

If you experience issues after installing the new CDI unit, consider the following:

Problem	Possible Cause	Solution
Engine does not start / No spark	<ul style="list-style-type: none">◦ Incorrect CDI type (AC vs. DC).◦ Loose or corroded connections.◦ Faulty spark plug or ignition coil.◦ Kill switch engaged.◦ Battery voltage too low (for DC CDI).	<ul style="list-style-type: none">◦ Verify your vehicle uses a DC CDI.◦ Check all wiring connections for tightness and cleanliness.◦ Test spark plug and ignition coil. Replace if faulty.◦ Ensure kill switch is in the "run" position.◦ Charge or replace battery.
Weak or intermittent spark	<ul style="list-style-type: none">◦ Poor ground connection.◦ Damaged wiring.◦ Low battery voltage.	<ul style="list-style-type: none">◦ Inspect and clean all ground points.◦ Check wiring for cuts or abrasions.◦ Ensure battery is fully charged.

If troubleshooting steps do not resolve the issue, it is recommended to seek assistance from a qualified technician.

8. SPECIFICATIONS

Brand	TK
Model Number	CDI DC 4 PIN 50cc 70cc 90cc 110cc 125cc ATV DIRT BIKE BAJA PEACE YAMOTO LONCIN
ASIN	B00EBTH9JG
UPC	842645026904
Ignition Type	DC (Direct Current)
Connector Type	4-Pin
Vehicle Service Type	ATV
Installation Type	Bolt-On

9. WARRANTY AND SUPPORT

Specific warranty details for this product are not provided in the available information. For warranty inquiries or technical support, please contact the retailer or manufacturer directly. Keep your purchase receipt as proof of purchase.

