GZYF MLS062

GZYF LIRU MLS062 Universal Motorcycle LCD LED Digital Odometer Speedometer Gauge Instruction Manual

Model: MLS062

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your GZYF LIRU MLS062 Universal Motorcycle LCD LED Digital Odometer Speedometer Gauge. Please read this manual thoroughly before installation and use to ensure proper function and safety.

1.1 Safety Information

- Always disconnect the motorcycle's battery before performing any electrical work.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Mount the speedometer securely to avoid vibration damage or detachment during operation.
- Consult a qualified technician if you are unsure about any installation steps.

2. Package Contents

Verify that all items are present in the package:

- 1 x GZYF LIRU MLS062 Digital Odometer Speedometer Gauge
- 1 x Speed Sensor
- Mounting Hardware (as pictured)

Image 2.1: The GZYF LIRU MLS062 Digital Odometer Speedometer Gauge, including the speed sensor and small mounting components.

3. Product Overview

The MLS062 is a universal digital gauge designed for motorcycles, providing essential riding information on a clear LCD LED display.

Image 3.1: Front view of the speedometer unit, showing the display area and control buttons.

Image 3.2: Side view of the speedometer unit, highlighting its compact design.

3.1 Key Features

- LCD LED Digital Display
- Speedometer (Max 199 units)
- Odometer (Max 99999.9)
- Trip Meter (Max 999.9, resettable)
- RPM Gauge (Max 14000r/min)
- Gear Indicator (N, 1-6)
- 24-hour Clock
- Turn Signal, High Beam, and Neutral Indicators

4. Specifications

Feature	Specification
Model	MLS062
Material	ABS
Screen Type	LCD LED
Max Speed Display	199 (km/h or mph)
Max RPM Display	14000 r/min
Max Odometer Display	99999.9
Max Trip Meter Display	999.9
Clock	24h
Gear Indicator	N, 1-6
Operating Voltage	12V
Dimensions	Refer to Image 4.1

Image 4.1: Dimensional diagram of the speedometer unit, showing measurements in millimeters.

5. Setup and Installation

The MLS062 speedometer is designed for universal fitment on 12V motorcycles. Professional installation is recommended.

5.1 Mounting the Speedometer

1. Choose a suitable location on your motorcycle's dashboard or handlebar area for optimal visibility.
2. Use the provided mounting hardware to securely attach the speedometer unit. Ensure it is stable and does not obstruct your view or controls.

5.2 Wiring Connections

Refer to the wiring diagram (if provided with your unit) and the image below for typical connections. The speedometer uses standard multi-pin connectors.

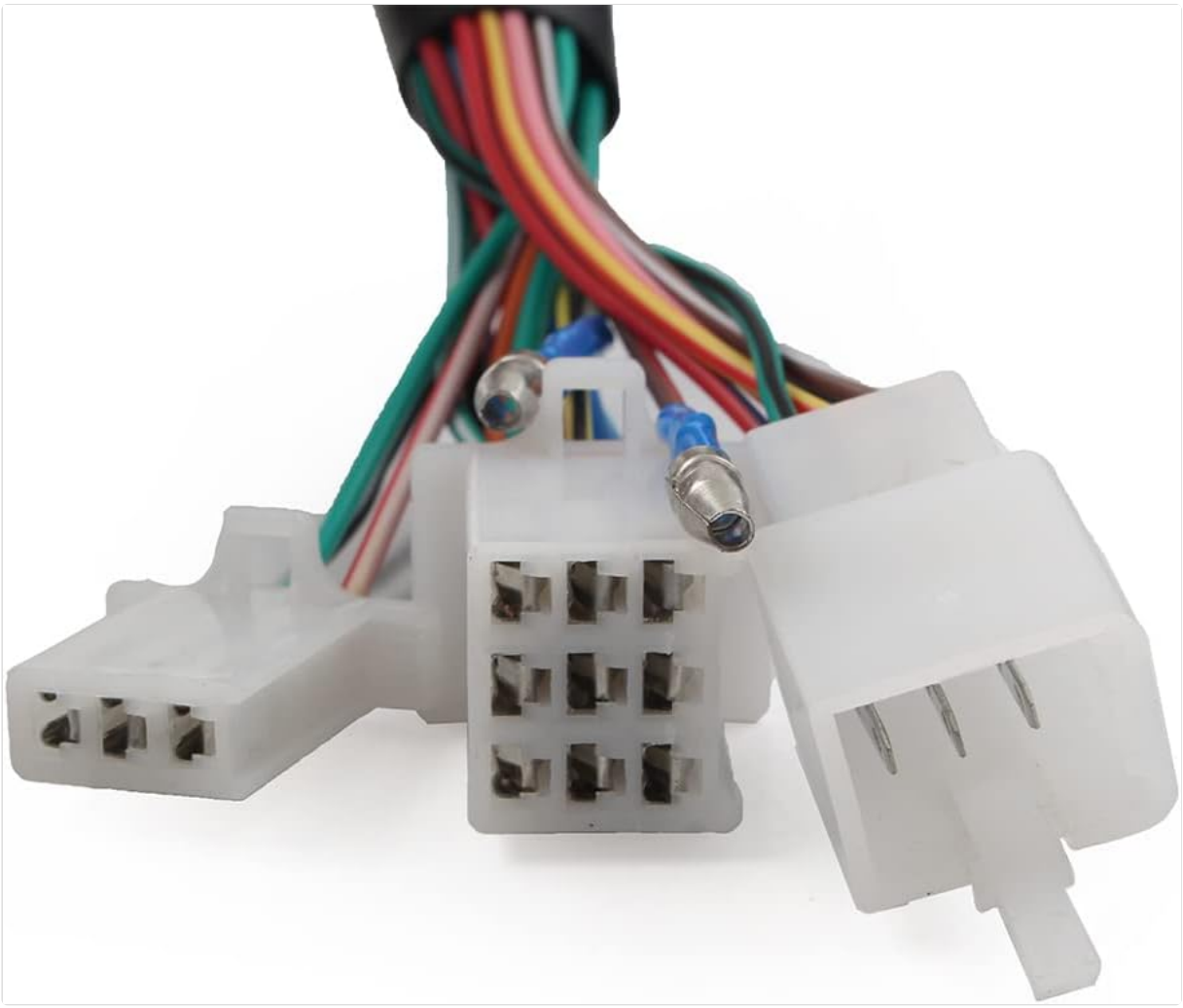

Image 5.1: Close-up of the wiring harness connectors, showing multiple pins for various functions.

- **Power (12V):** Connect the positive wire to a switched 12V power source (e.g., ignition). Connect the negative/ground wire to the motorcycle chassis.
- **Speed Sensor:** Connect the speed sensor wires to the corresponding input on the speedometer harness.
- **RPM Signal:** Connect the RPM signal wire to the motorcycle's ignition coil or ECU RPM output.
- **Gear Position:** Connect the gear position wires (N, 1-6) to the motorcycle's gear sensor outputs.
- **Indicators:** Connect wires for turn signals (left/right), high beam, and neutral light to their respective motorcycle circuits.

5.3 Speed Sensor Installation

1. Mount the speed sensor near a rotating part of the wheel (e.g., brake disc bolts, wheel spokes) that can trigger the sensor.
2. Ensure the sensor is positioned correctly to detect rotations consistently. Adjust the gap between the sensor and the trigger point as needed.

6. Operating Instructions

Once installed and powered on, the speedometer will display various information. The unit typically features two buttons for control, often labeled 'SEL' (Select) and 'ADJ' (Adjust).

Image 6.1: The MLS062 speedometer display shown in an operational state on a motorcycle dashboard, indicating speed,

RPM, and gear.

6.1 Display Modes

- Press the 'SEL' button briefly to cycle through different display modes: Odometer (ODO), Trip Meter (TRIP), and Clock.
- The main display will always show current speed and RPM.

6.2 Resetting Trip Meter

- While in TRIP mode, press and hold the 'ADJ' button for a few seconds to reset the trip meter to zero.

6.3 Setting the Clock

1. Navigate to the Clock display mode using the 'SEL' button.
2. Press and hold the 'SEL' button until the hour digits begin to flash.
3. Use the 'ADJ' button to adjust the hour.
4. Press 'SEL' again to move to the minute digits, then use 'ADJ' to adjust minutes.
5. Press 'SEL' one more time to save the settings and exit clock adjustment mode.

6.4 Unit Switching (MPH/KMH)

The method for switching between Miles Per Hour (MPH) and Kilometers Per Hour (KMH) may vary. Typically, this is done by:

- Turning off the ignition.
- Pressing and holding the 'SEL' button while turning the ignition back on.
- Release the button once the unit changes.

Note: Refer to specific instructions provided with your unit if this method does not work.

7. Maintenance

The GZYF LIRU MLS062 speedometer requires minimal maintenance.

- **Cleaning:** Use a soft, damp cloth to clean the display and casing. Avoid abrasive cleaners or solvents that could damage the plastic.
- **Connections:** Periodically check all wiring connections for tightness and corrosion. Ensure the speed sensor is clean and free from debris.
- **Environmental Protection:** While designed for motorcycle use, prolonged exposure to extreme weather conditions (heavy rain, direct sunlight) may affect longevity. Consider a protective cover when parking for extended periods.

8. Troubleshooting

Problem	Possible Cause	Solution
No display/Power off	No power supply; Loose wiring; Blown fuse	Check 12V power connection; Inspect wiring for damage; Check motorcycle fuse box.

Problem	Possible Cause	Solution
Speed/Odometer not working	Speed sensor faulty; Sensor improperly installed; Wiring issue	Check sensor connection; Verify sensor gap and alignment; Test sensor functionality.
RPM not displaying	RPM signal wire disconnected; Incorrect connection point	Ensure RPM wire is securely connected to the ignition coil/ECU.
Incorrect speed reading	Incorrect wheel circumference setting (if adjustable); Sensor calibration issue	Consult advanced settings for wheel circumference calibration (if available); Re-check sensor installation.
Indicators not lighting up	Indicator wires disconnected; Faulty LED	Check connections for turn signals, high beam, and neutral.

9. Warranty and Support

For warranty information or technical support, please refer to the seller or manufacturer's contact details provided at the point of purchase. Keep your purchase receipt as proof of purchase.