

Koso HD-04

KOSO HD-04 Gauge Instruction Manual

MODEL: HD-04 (BA051221)

For Harley-Davidson Motorcycles

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KOSO HD-04 Gauge. Please read this manual thoroughly before installation and use to ensure proper function and safety. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The KOSO HD-04 Gauge is a high-quality, plug-and-play instrument designed to enhance your riding experience. It features a clear, multi-color LCD display and a responsive stepper motor for accurate readings.

- **Display:** 7-color changeable LCD display.
- **Response:** Stepper motor for precise and fast response.
- **Functions:** Displays speed, RPM, indicator lights, fuel level, and gear position.
- **Tachometer Range:** 0-8000 RPM.
- **Speedometer Range:** 0-225 mph.
- **Bezel:** Silver finish.



Figure 2.1: KOSO HD-04 Gauge Display. This image shows the KOSO HD-04 Gauge, featuring a silver bezel and a black face. The digital display shows a speed of 55 MPH, an odometer reading of 000440, and indicates 2nd gear. The analog tachometer needle points to approximately 5000 RPM. Various indicator lights for fuel, engine check, battery, key, ABS, and turn signals are visible.

3. COMPATIBILITY

The KOSO HD-04 Gauge is compatible with the following Harley-Davidson vehicle applications:

- Harley Davidson FLD Switchback (2012-2016)
- Harley Davidson FLS Softail Slim (2012-2017)
- Harley Davidson FLSTC Heritage Softail Classic (2011-2017)
- Harley Davidson FLSTF Fat Boy (2011-2017)
- Harley Davidson FLSTFB Fat Boy Lo (2011-2016)
- Harley Davidson FLSTN Softail Deluxe (2011-2017)
- Harley Davidson FLSTSB Cross Bones (2011)
- Harley Davidson FXCWC Rocker C (2011)
- Harley Davidson FXDB Street Bob (2012-2017)
- Harley Davidson FXDC Super Glide Custom (2012-2014)

- Harley Davidson FXDF Fat Bob (2012-2017)
- Harley Davidson FXDL Low Rider (2014-2017)
- Harley Davidson FXDLS Low Rider S (2016-2017)
- Harley Davidson FXDWG Dyna Wide Glide (2012-2017)
- Harley Davidson FXS Blackline (2011-2013)
- Harley Davidson FXSB Breakout (2013-2017)
- Harley Davidson XL1200C Sportster 1200 Custom (2014-2019)
- Harley Davidson XL1200CX Roadster (2016-2020)
- Harley Davidson XL1200NS Iron 1200 (2018)
- Harley Davidson XL1200T SuperLow 1200T (2014-2017)
- Harley Davidson XL1200V Seventy-Two (2014-2016)
- Harley Davidson XL1200X Forty-Eight (2014-2018)
- Harley Davidson XL1200XS Forty-Eight Special (2018)
- Harley Davidson XL883L SuperLow (2014-2019)

4. SETUP AND INSTALLATION

The KOSO HD-04 Gauge is designed for plug-and-play installation into 3-3/8 inch stock mounting cups. While designed for ease of installation, it is recommended that installation be performed by a qualified technician to ensure correct wiring and functionality.

4.1. Pre-Installation Checklist

- Ensure the motorcycle's ignition is off and the battery is disconnected.
- Gather necessary tools (e.g., screwdrivers, wrenches).
- Refer to your motorcycle's service manual for specific gauge removal and installation procedures.

4.2. Installation Steps

1. Carefully remove the existing gauge from its mounting cup.
2. Disconnect the electrical connectors from the old gauge.
3. Connect the KOSO HD-04 Gauge's electrical connectors to the motorcycle's wiring harness. Ensure all connections are secure.
4. Insert the KOSO HD-04 Gauge into the 3-3/8 inch stock mounting cup.
5. Secure the gauge in place according to your motorcycle's specifications.
6. Reconnect the motorcycle battery.
7. Turn the ignition on and verify gauge functionality.

Warning: Incorrect installation can lead to electrical issues or damage to the gauge and motorcycle. Seek professional assistance if you are unsure about any step.

5. OPERATING INSTRUCTIONS

Once installed, the KOSO HD-04 Gauge will power on with the motorcycle's ignition. The gauge provides real-time information through its analog tachometer and digital LCD display.

5.1. Display Functions

- **Speedometer:** Digital display shows current speed in MPH.
- **Tachometer:** Analog needle indicates engine RPM (x1000).
- **Odometer:** Digital display tracks total distance traveled.
- **Gear Position Indicator:** Digital display shows the current gear engaged.
- **Fuel Level:** Digital bar graph or icon indicates fuel level.
- **Indicator Lights:** Various icons illuminate for functions such as turn signals, high beam, engine check, battery, oil pressure, and ABS.

5.2. Changing LCD Display Color

The HD-04 Gauge features a 7-color changeable LCD display. Refer to the specific button functions on your gauge for instructions on how to cycle through the available color options. Typically, this involves pressing and holding a designated button for a few seconds.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your KOSO HD-04 Gauge.

6.1. Cleaning

- Wipe the gauge face and bezel with a soft, damp cloth.
- Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the display or finish.

6.2. Inspection

- Periodically check the gauge for any signs of physical damage, such as cracks or loose connections.
- Ensure the mounting remains secure to prevent vibration-related issues.

7. TROUBLESHOOTING

If you encounter issues with your KOSO HD-04 Gauge, consider the following basic troubleshooting steps:

- **No Power/Display:** Check all electrical connections to ensure they are secure and properly seated. Verify the motorcycle's battery is charged and connections are clean.
- **Incorrect Readings:** Ensure the gauge is correctly configured for your motorcycle model, if applicable. Recheck wiring connections.
- **Intermittent Operation:** Inspect for loose wires or damaged connectors.

For persistent issues or complex problems, it is recommended to consult a professional motorcycle technician or contact KOSO customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	Koso
Model Number	BA051221

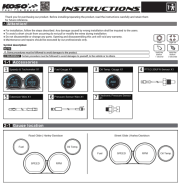

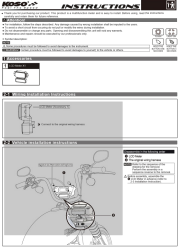
Material (Bezel)	Silver
Dimensions (L x W x H)	5.2 x 5.2 x 3 inches
Item Weight	9.6 ounces
UPC	779423574770
Tachometer Display Range	0-8000 RPM
Speedometer Display Range	0-225 mph
Display Type	7-color changeable LCD
Mounting	3-3/8 inch Stock Mounting Cups

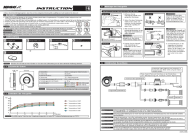
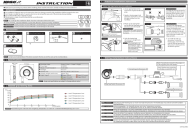
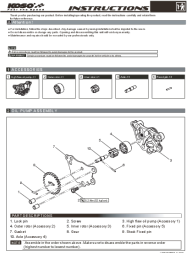
9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact KOSO directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.

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Related Documents - HD-04

	<p>KOSO HD-03L Gauge Kit Installation and Operation Manual</p> <p>This manual provides detailed instructions for installing, operating, and configuring the KOSO HD-03L 4-piece gauge kit for Harley Davidson motorcycles. It covers accessories, disassembly, wiring, gauge overview, settings, and troubleshooting.</p>
	<p>KOSO Gauge 14-23 Road Glide Bezel Template and Installation Guide</p> <p>Download the KOSO Gauge 14-23 Road Glide bezel template. This guide provides instructions for printing, cutting, and marking holes for installation on your Road Glide motorcycle.</p>
	<p>KOSO D2 LCD Meter Installation and Operation Manual</p> <p>Comprehensive instructions for installing and operating the KOSO D2 LCD Meter, covering wiring, vehicle installation, overview of features, settings, and troubleshooting.</p>

	<p>KOSO Heated Grips Installation and Operation Manual</p> <p>Comprehensive guide for installing and operating KOSO heated grips for motorcycles. Includes technical specifications, mounting instructions, electrical connections, and troubleshooting.</p>
	<p>KOSO Heated Grips Installation and Operation Manual</p> <p>Comprehensive instruction manual for KOSO heated grips, covering installation, specifications, function settings, low-voltage mode, and troubleshooting. Ensure safe and proper use of your KOSO heated grips.</p>
	<p>KOSO High Flow Oil Pump Instructions and Performance Data</p> <p>Detailed instructions for installing the KOSO High Flow Oil Pump, including parts list, assembly guide, and a performance comparison chart showing increased oil flow.</p>