

SHIMANO SC-6500-M

SHIMANO FLIGHT DECK SC-6500-M Cycle Computer Bracket Sensor Kit

Instruction Manual

1. INTRODUCTION

The SHIMANO FLIGHT DECK SC-6500-M Cycle Computer Bracket Sensor Kit is an essential component for your SHIMANO FLIGHT DECK cycle computer system. This kit provides the necessary bracket for mounting your computer and a speed sensor to accurately measure your cycling data. It is designed for seamless integration with compatible SHIMANO FLIGHT DECK cycle computers, including models like SC-6500-M, SC-6500-T, and SC-6500-RX, and is compatible with XTR, XT, and LX series components.

This manual provides detailed instructions for the proper installation, operation, and maintenance of your bracket and sensor kit to ensure optimal performance and longevity.

2. WHAT'S IN THE BOX

Upon opening your SHIMANO FLIGHT DECK SC-6500-M kit, please verify that all the following components are present:

- FLIGHT DECK Cycle Computer Bracket
- Speed Sensor Unit
- Spoke Magnet
- Mounting Hardware (screws, cable ties)
- Instruction Manual (this document)



3.4 Cable Routing and Connection

1. Carefully route the sensor cable along your bicycle frame towards the computer bracket. Use cable ties to secure the cable neatly and prevent it from interfering with moving parts or snagging.
2. Connect the sensor cable to the designated port on your FLIGHT DECK cycle computer or the bracket if it has an integrated connection point. Ensure the connection is secure.

4. OPERATING INSTRUCTIONS

The SHIMANO FLIGHT DECK SC-6500-M Bracket Sensor Kit is a passive component that facilitates the operation of your cycle computer. Its primary function is to provide accurate speed and distance data to the connected FLIGHT DECK computer.

4.1 Ensuring Proper Function

- **Sensor Alignment:** Regularly check that the speed sensor and spoke magnet remain properly aligned with the recommended 1-3mm gap. Misalignment can lead to inaccurate or intermittent readings.
- **Secure Connections:** Ensure all cable connections are firm and free from damage. Loose connections can disrupt data transmission.
- **Computer Power:** Confirm your FLIGHT DECK cycle computer is powered on and correctly configured to receive data from the sensor. Refer to your specific cycle computer's manual for detailed operating instructions.

Once installed and connected, the sensor will automatically transmit speed data to your cycle computer as the wheel rotates and the magnet passes the sensor.

5. MAINTENANCE

Regular maintenance will extend the life and ensure the reliability of your SHIMANO FLIGHT DECK SC-6500-M kit.

- **Cleaning:** Periodically wipe down the sensor, magnet, and bracket with a damp cloth to remove dirt and grime. Avoid using harsh chemicals or abrasive materials.
- **Cable Inspection:** Check the sensor cable for any signs of wear, fraying, or kinks. Ensure it is securely fastened along the frame and not rubbing against any moving parts.
- **Tightness Check:** Routinely inspect all mounting screws and cable ties to ensure they remain tight and secure. Vibrations from riding can sometimes loosen components.
- **Sensor/Magnet Alignment:** Verify the sensor and magnet maintain their optimal alignment and gap. Adjust if necessary.

6. TROUBLESHOOTING

If you experience issues with your SHIMANO FLIGHT DECK SC-6500-M kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No speed or distance reading	Sensor/magnet misalignment; Loose cable connection; Damaged cable/sensor	Check and adjust sensor/magnet gap (1-3mm); Ensure cable is firmly connected to computer/bracket; Inspect cable for damage, replace if necessary.
Intermittent readings	Sensor/magnet gap too large; Loose connection; Electromagnetic interference	Reduce sensor/magnet gap; Secure all connections; Ensure no other electronic devices are causing interference.
Bracket feels loose	Mounting screws are loose	Tighten the bracket mounting screws securely.
Cable appears damaged	Wear and tear; Improper routing	Replace the sensor kit if the cable is integral and damaged; Re-route cable to prevent future damage.

7. SPECIFICATIONS

Specification	Detail
Brand	SHIMANO
Model	SC-6500-M (Bracket Sensor Kit)
Included Components	Sensor, Bracket, Mounting Hardware
Sensor Type	Speed Sensor
Approximate Item Weight	454 g
Compatibility	SHIMANO FLIGHT DECK Cycle Computers (e.g., SC-6500-M, SC-6500-T, SC-6500-RX), XTR, XT, LX series
Human Interface Input (for associated computer)	Buttons

8. WARRANTY AND SUPPORT

Specific warranty details for the SHIMANO FLIGHT DECK SC-6500-M Cycle Computer Bracket Sensor Kit are typically provided at the point of purchase or within the product packaging. Please retain your proof of purchase for warranty claims.

For technical support, spare parts, or warranty inquiries, please contact your authorized SHIMANO dealer or visit the official SHIMANO website for customer service contact information in your region. When contacting support, please have your product model number (SC-6500-M) and purchase details ready.

