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› Steelmate 986E 1-Way Motorcycle Alarm System User Manual

Steelmate 986E

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USER MANUAL

Introduction

Welcome to the Steelmate 986E 1-Way Motorcycle Alarm System. This manual provides detailed instructions for the proper installation, operation, and maintenance of your new security system. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

Package Contents:

- 2 x Transmitters
- 1 x Control Unit (ECU)
- 1 x Alarm Speaker (Siren)
- 1 x Mounting Accessories Set
- 1 x English Instruction Manual (This manual)

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Automotive



Figure 1: Overview of the Steelmate 986E Motorcycle Alarm System components.

Safety Information

- Professional installation is highly recommended. Incorrect wiring can damage the motorcycle's electrical system or the alarm unit.
- Ensure the motorcycle's battery is disconnected before beginning installation.
- Do not attempt to modify the alarm system components.
- Keep transmitters away from water and extreme temperatures, although the remote is designed to be waterproof.
- The siren produces a loud sound (105-125 dB). Avoid prolonged exposure to prevent hearing damage.

Product Features

- Long-lasting transmitter battery.
- Waterproof ECU (Electronic Control Unit).

- Remote engine start and keyless driving capability.
- Durable 4-button transmitters.
- Adjustable shock sensor sensitivity via transmitter.
- Anti-hijack function.
- Engine immobilization.



Figure 2: Key features of the Steelmate 986E system, including remote engine start and waterproof ECU.

Brief look of transmitters



Figure 3: A brief look at the transmitter buttons and their functions.

Setup and Installation

Important: Installation should be performed by a qualified technician. This section provides general guidance.

Control Unit (ECU) Placement:

Mount the ECU in a secure, hidden, and dry location on the motorcycle. Ensure it is protected from direct water spray and excessive heat. The ECU is designed to be waterproof.



Figure 4: The Steelmate ECU unit with its wiring connections.

Siren Installation:

Install the alarm speaker in a concealed location, facing downwards to prevent water accumulation, and away from engine heat. Ensure the sound is not obstructed.

Wiring:

- Connect the main power wires (red to positive, black to negative/ground) directly to the motorcycle battery.
- Connect the ignition wire to the motorcycle's ignition circuit.
- Connect the engine kill/immobilization wire as per the motorcycle's wiring diagram.
- Connect turn signal wires to the motorcycle's turn signal circuits.
- Connect the remote start wire to the appropriate starter relay wire.
- Ensure all connections are secure and insulated to prevent short circuits.

Shock Sensor Adjustment:

The shock sensor is integrated into the ECU. Its sensitivity can be adjusted via the remote control after installation. Refer to the specific instructions provided with your alarm system for the exact button sequence.

Operating Instructions

Transmitter Button Functions:

- **Lock/Arm Button:** Press once to arm the alarm. The siren will chirp once, and the turn signals will flash once.
- **Unlock/Disarm Button:** Press once to disarm the alarm. The siren will chirp twice, and the turn signals will flash twice.
- **Engine Start Button:** Press twice quickly to remotely start the engine. The engine will run for a programmed duration (typically 8 minutes) then stop. If the key is turned to IGNITION ON during this period, the engine will continue running.
- **Locating Button:** Press once to locate your motorcycle in a parking lot. The siren will chirp and turn signals will flash for a short period.



Remote engine start

Press ⚡ button twice to start engine, the engine will run for the programmed duration 8 minutes then stop. If the key turns to ignition ON during the programmed duration, the engine will keep running.

Figure 5: Activating the remote engine start feature.

Anti-Hijack Function:

This feature, if activated, allows you to remotely shut down the engine in a hijacking situation. Consult the full manual for activation and usage details.

Engine Immobilization:

When the alarm is armed, the engine is immobilized, preventing unauthorized starting.



Figure 6: The waterproof design of the remote control.

Maintenance

Transmitter Battery Replacement:

When the remote control's range decreases or the LED indicator light dims, replace the battery. Refer to the transmitter's design for battery type and replacement procedure.

Cleaning:

Wipe the ECU and siren with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.

Regular Checks:

Periodically check all wiring connections for security and signs of wear.

Troubleshooting

- Alarm does not arm/disarm:

- Check transmitter battery.
- Ensure you are within range of the motorcycle.
- Check motorcycle battery voltage.
- **Remote engine start not working:**
 - Ensure the alarm is disarmed.
 - Check motorcycle battery voltage.
 - Verify proper wiring of the remote start circuit.
- **Siren is not sounding:**
 - Check siren wiring connection to the ECU.
 - Ensure the siren is not damaged.
- **False alarms:**
 - Adjust shock sensor sensitivity to a lower setting.
 - Ensure the ECU is securely mounted and not vibrating excessively.

Specifications

Voltage	9 ~ 16 V
Static Current	< 3.5 mA
Siren Sound Pressure Level	105 dB ~ 125 dB
Frequency Range	433.92 MHz
Compatible Devices	Motorcycles
Remote Control Included	Yes
Manufacturer	TAOTT

Warranty and Support

For warranty information and technical support, please refer to the documentation provided at the point of purchase or contact your retailer. Keep your purchase receipt as proof of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question