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STEELMATE 986E

STEELMATE 986E Unidirectional Security System for Motorcycles and Scooters User Manual

Model: 986E (Item Model Number: 140-0024)

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your STEELMATE 986E Unidirectional Security System. Please read this manual thoroughly before installation and use to ensure proper function and to maximize the security features for your motorcycle or scooter. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The STEELMATE 986E is a 1-way security system designed to protect motorcycles and scooters. It features a robust alarm system, engine immobilization, and convenient remote control functions.

Key Features:

- Unidirectional security function with flashing siren and turn signal alarm.
- Keyless driving capability.
- High-jack prevention function (forced engine stop).
- Built-in high-sensitivity shock sensor with 5 levels of adjustable sensitivity via remote control.
- Immobilizer function, preventing engine start without the dedicated key.
- Parking position checking function for locating your vehicle.
- Includes two compact remote controls.



Figure 2.1: STEELMATE 986E Product Packaging. The box displays the "STEELMATE Automotive" logo, "986E series", and "1-Way Motorcycle Alarm System" with key features listed.



Figure 2.2: Main components of the STEELMATE 986E system, including the control unit, siren, and two remote controls.

3. SETUP AND INSTALLATION

Proper installation is critical for the optimal performance of the STEELMATE 986E security system. It is recommended that installation be performed by a qualified technician.

3.1 Components Check:

Before starting, ensure all components are present:

- Main Control Unit
- Siren

- Two Remote Controls
- Wiring Harness
- Fuses
- Instruction Manual (this document)



Figure 3.1: All included components of the STEELMATE 986E system, including the main unit, siren, remote controls, wiring, fuses, and the instruction manual.

3.2 Installation Steps Overview:

1. **Mounting the Control Unit and Siren:** Select an easily accessible yet concealed location for the main control unit and siren. Ensure they are protected from water and extreme temperatures.
2. **Wiring Connection:** Follow the provided wiring diagrams carefully. The wiring is color-coded for easier identification. Refer to the detailed wiring diagrams in sections 3.3 and 3.4.
3. **Testing:** After all connections are made, test the system's functions (arming, disarming, shock sensor, engine start/stop) before fully reassembling the vehicle.

スピーカーやECU
コントロールボックス
は取付やすい所へ。



配線取付も色分け
あり、分かりやすい。
詳細説明書あり。



約15-20分で前後で
作業完了。
取付完璧。



Figure 3.2: Visual guide for installation. It shows placing the control box and siren in an accessible location, color-coded wiring for easy connection, and a note indicating typical installation time of 15-20 minutes.

3.3 Wiring Diagram (AC Generation Systems):

This diagram illustrates the wiring connections for motorcycles and scooters equipped with an AC generation system.

本体（メインユニット）

配線図（AC 発電用）

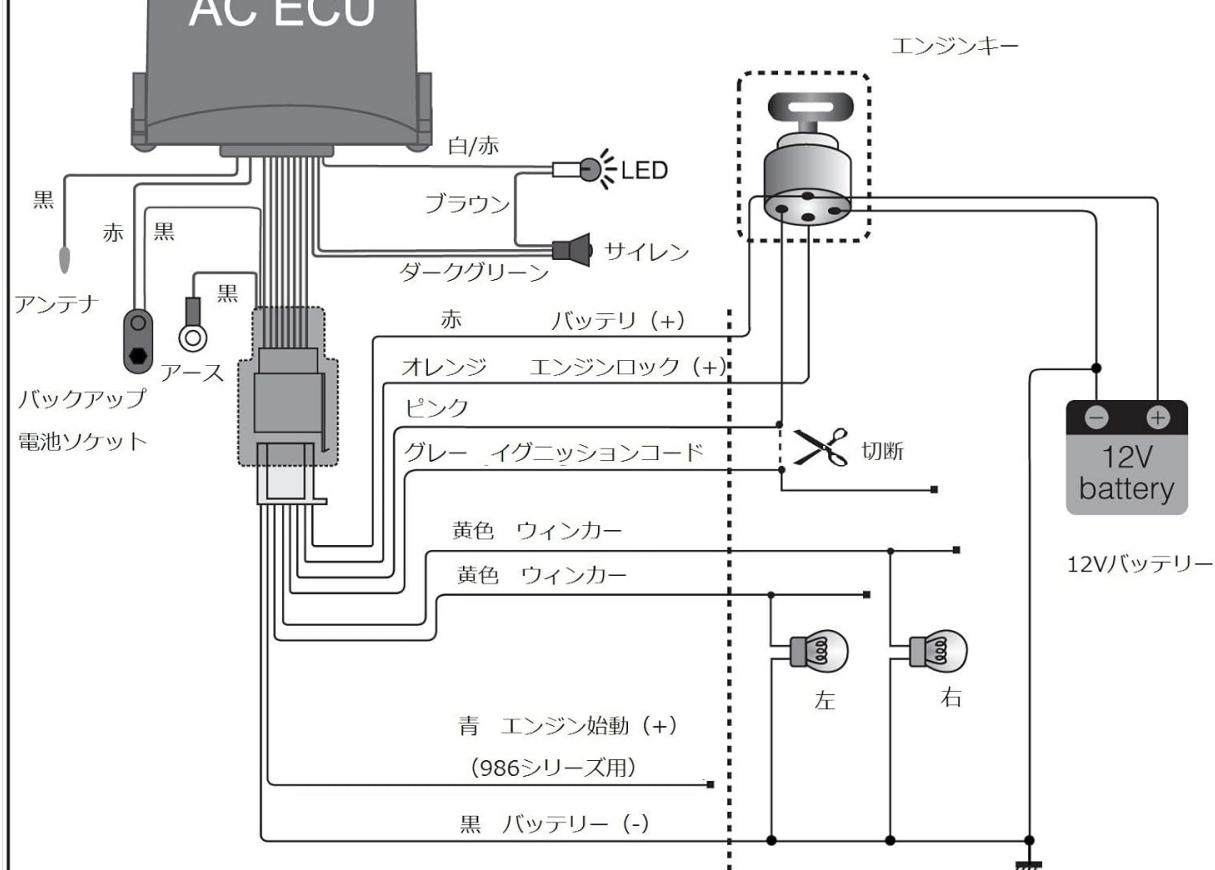


Figure 3.3: Detailed wiring diagram for the STEELMATE 986E system when installed on vehicles with an AC generation system. It shows connections for the main unit, LED, siren, antenna, battery, engine lock, ignition code, turn signals, and engine start.

3.4 Wiring Diagram (DC Generation Systems):

This diagram illustrates the wiring connections for motorcycles and scooters equipped with a DC generation system. Note the inclusion of a normal close relay, which is an optional part.

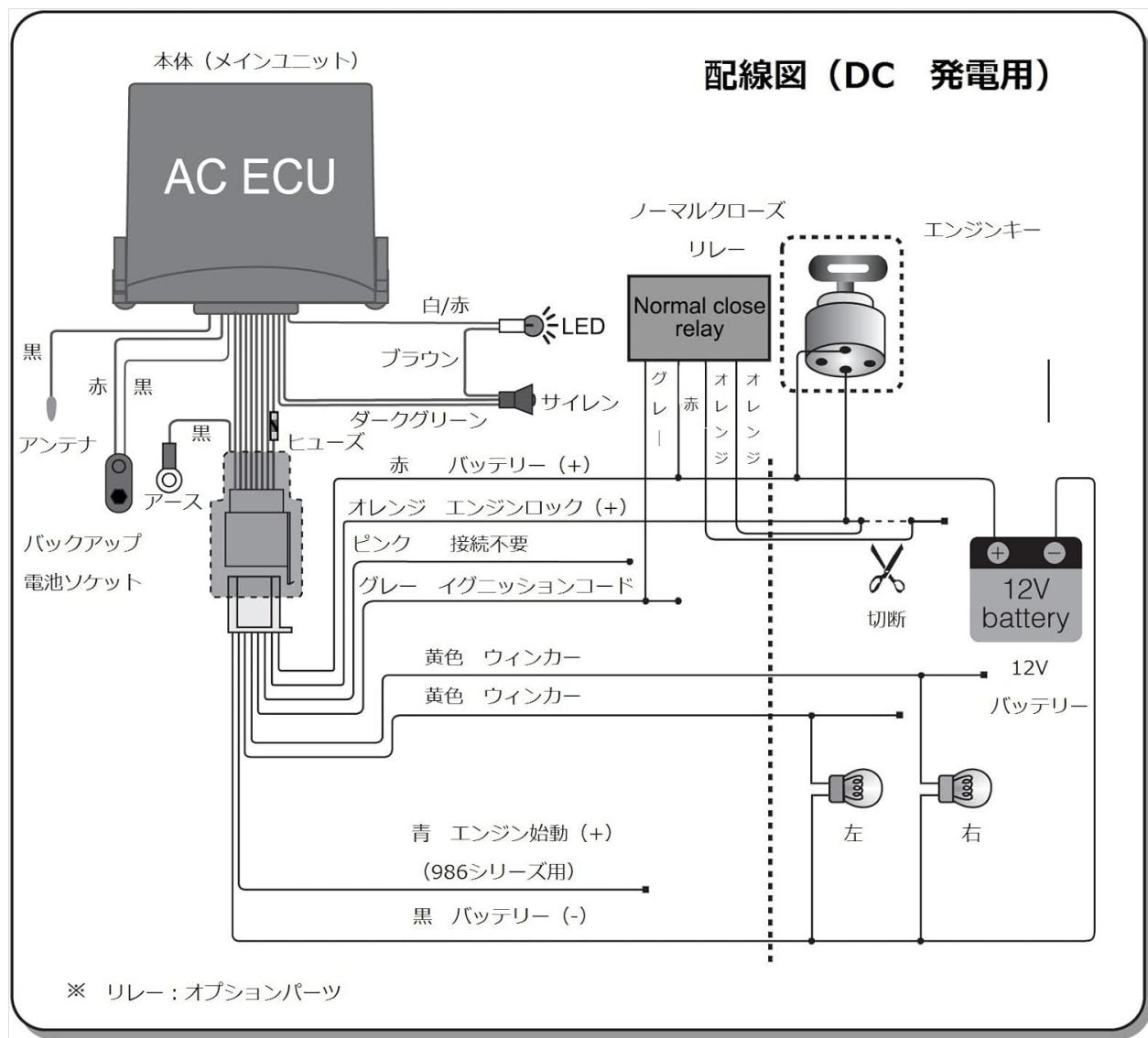


Figure 3.4: Detailed wiring diagram for the STEELMATE 986E system when installed on vehicles with a DC generation system. This diagram includes an optional normal close relay for specific configurations.

4. OPERATING INSTRUCTIONS

The STEELMATE 986E system is operated primarily using the provided remote controls.



Figure 4.1: Close-up of the STEELMATE 986E remote control, showing its buttons for various functions.

4.1 Arming and Disarming:

- **Arming:** Press the **Lock** button on the remote control. The system will arm, and the siren will chirp once. The turn signals may flash.
- **Disarming:** Press the **Unlock** button on the remote control. The system will disarm, and the siren will chirp twice. The turn signals may flash.

4.2 Keyless Driving Function:

This feature allows you to start your vehicle without using the physical key, provided the system is disarmed. Consult your installer for specific activation and usage details.

4.3 High-Jack Prevention (Engine Stop):

In an emergency situation, this function can remotely stop the engine of your vehicle. This feature is intended for security purposes only and should be used responsibly.

4.4 Shock Sensor Sensitivity Adjustment:

The built-in shock sensor has 5 levels of sensitivity. Refer to your remote control's specific button combination or sequence to adjust the sensitivity. Higher sensitivity detects lighter impacts, while lower sensitivity reduces false alarms.

4.5 Immobilizer Function:

When armed, the immobilizer prevents the engine from starting unless the system is disarmed with the dedicated remote control. This provides an additional layer of anti-theft protection.

4.6 Parking Position Checking Function:

To locate your vehicle in a crowded parking area, activate the parking position checking function via the remote control. The system will emit a sound, helping you pinpoint your vehicle's location within a range of approximately 10-20 meters.

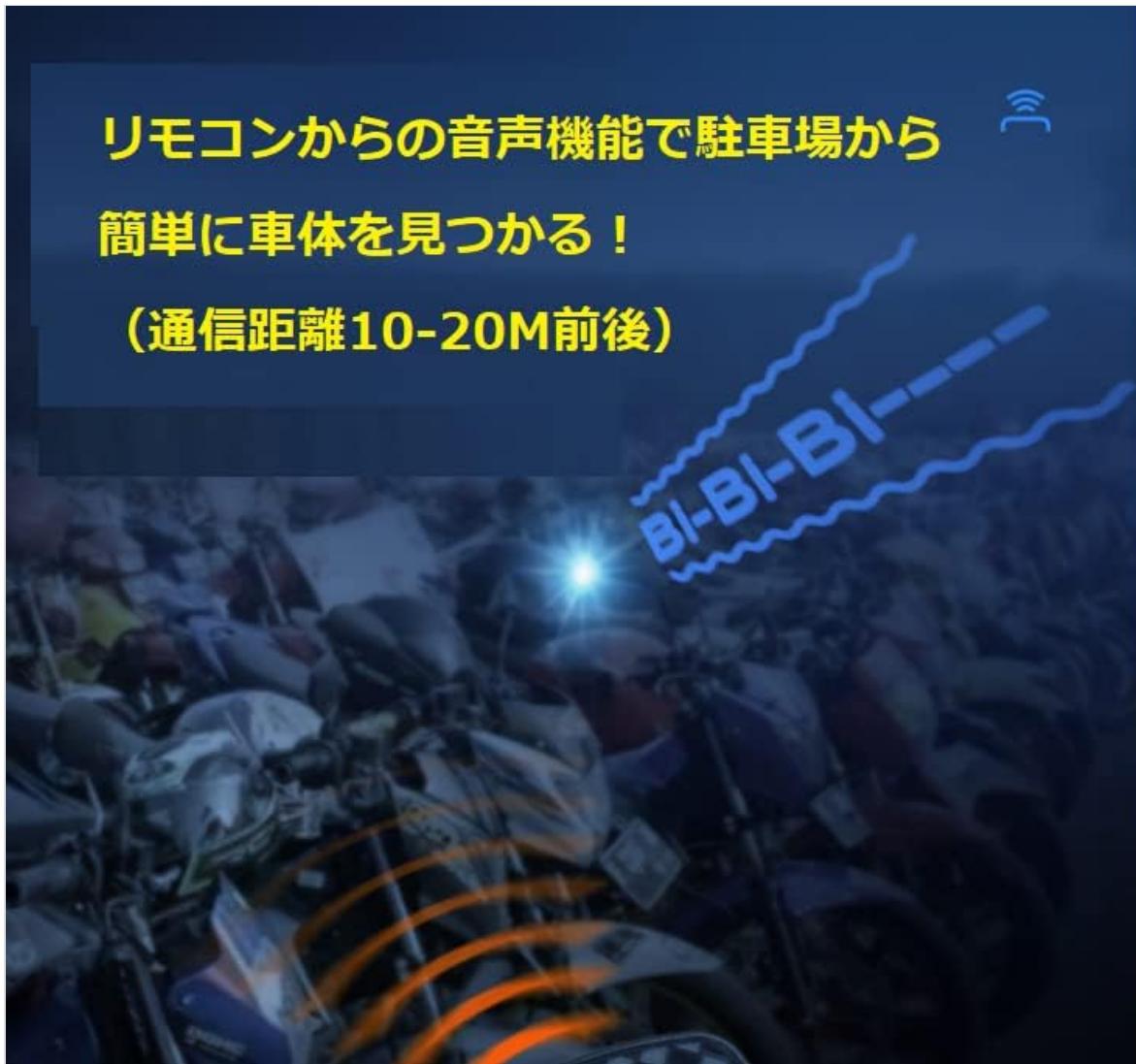


Figure 4.2: Illustration of the parking position checking function, showing the remote control emitting a signal to locate the vehicle via sound in a parking lot.

5. MAINTENANCE

5.1 Remote Control Battery Replacement:

When the remote control's range decreases or it stops responding, it may be time to replace the battery. The process is simple:

1. Carefully open the remote control casing, typically by prying it open with a small flat-head screwdriver.
2. Remove the old button cell battery.
3. Insert a new battery of the same type, ensuring correct polarity.
4. Close the remote control casing securely.



Figure 5.1: Step-by-step guide for replacing the remote control battery. It shows opening the casing, replacing the button cell battery, and reassembling the remote.

5.2 General Care:

- Keep the main control unit and siren free from excessive moisture and dirt.
- Avoid dropping the remote controls or exposing them to extreme temperatures.
- Regularly check wiring connections for any signs of wear or corrosion.

6. TROUBLESHOOTING

If you encounter issues with your STEELMATE 986E system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
System does not arm/disarm.	Remote control battery low or dead. Out of range. Wiring issue.	Replace remote battery. Move closer to the vehicle. Check wiring connections.
False alarms.	Shock sensor sensitivity too high. Loose components.	Adjust shock sensor sensitivity to a lower level. Secure all installed components.
Engine does not start (immobilizer active).	System is armed. Wiring issue.	Disarm the system using the remote control. Verify immobilizer wiring.
Siren is not sounding.	Siren wiring disconnected. Faulty siren.	Check siren connections. Test siren functionality.

If the problem persists after attempting these solutions, please contact customer support or a qualified technician.

7. SPECIFICATIONS

Feature	Detail
Model	986E (Item Model Number: 140-0024)
Voltage	12 V ± 2 V
Standby Current	<20 mA
Siren Output	120 dB
Main Control Box Dimensions	3.5 x 6.5 x 2 cm (approx.)
Total Weight (including parts)	0.6 kg (1.3 lbs)
Remote Control Weight	32 g per remote control
Material	Resin, electronics, metal, etc.
Connectivity	Wireless
Color	Silver (for some components)

8. WARRANTY AND SUPPORT

8.1 Warranty Information:

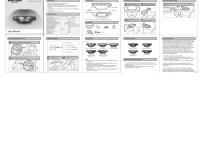
This product comes with a **1-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects and malfunctions under normal use.

8.2 Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact your retailer or the manufacturer's authorized service center. Provide your product model number (986E) and date of purchase when seeking support.

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Related Documents - 986E

	<p>STEELMATE Helmet Light System User Manual - H1, H2, H3 Installation and Operation</p> <p>User manual for the STEELMATE Helmet Light System, covering installation, specifications, functions, charging, and ECU programming for models H1, H2, and H3. Includes detailed guides and FCC compliance information.</p>
	

时间水印		可开/关闭：时间水印
开机显示	可开/关：开机显示	高、中、低，关闭该功能，当系统启动时，轻触屏将不发送触控信息，该功能能降低车速引起的，如闪光碰撞检测无法正常工作。
碰撞检测灵敏度	碰撞状态下的轻触检测仪，碰撞检测开启后，具备毫秒级响应和底部菜单遮挡。	【备注】关闭碰撞检测功能后，底部菜单遮挡功能将无法正常使用。

R269 - Steelmate

- 保存图标
打开并编辑卫士，选择【设备设置】>【关于设备】>【图片】>查看【最近图标图标】。App会显示当前图标原本图标和图标副本。如果App或图标操作者有版权严重，根据App 管理操作，升级图标副本。

产品规格及参数	
内置温度传感器	GC2053 200W像素
镜头视场	170°
前视像分辨率	1080P/1920*1080P
视频编解码器	H.264
视频帧数	REC
图片格式	JPG
行驶速度	-30°C - 85°C
操作温度	-20°C - 70°C
操作湿度	15-65%RH
储存卡容量	最大支持128G
标准电压	DC12V/2A

【注意】本产品保留设计和规格更改权，恕不另行通知。

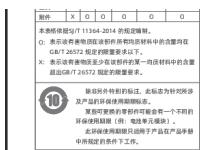
常见问题

- 即期速递常期：应注明收件原因，并附所递书的复印件，并写清楚您联络方式；
- 即期速递费用即期速递费用支付方式：由所有人递或速递人支付；
- 即期速递验货项目：使用结实盒盒包装，交由可靠的递送公司，递送费直接向递送公司；
- 必要的请将姓名，住址，因固电话或移动电话，详细说明被窃或丢失的问题，附一份购得的收据或保修凭证，以及邮局，或任何邮局的地址。

- 厂商在发生以下两种情形有权单方面解除保质期：
 - ①客户使用不当导致器具故障或损坏；
 - ②用户擅自改装或维修而造成之故障；
 - ③因不可抗拒的自然灾害或意外灾害所导致的损坏；
 - ④乳胶的保质期届满已剥落；
 - ⑤保质书上没有填写日期或经销商盖章；
 - ⑥相隔时未刷上厂保质书；
 - ⑦从其他网站购买所得；

- ④ 其他根据支付保修期另定。

产品中有毒有害物质的名称及含量						
部件名称	有害物质					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr ⁶⁺)	多溴联苯(PBB)	多溴二苯醚(PBDE)
印刷电路板组件	X	○	○	○	○	○
塑料件	○	○	○	○	○	○



[STEELMATE SPT100 TPMS Diagnostic Tool User Manual](#)

Comprehensive user manual for the STEELMATE SPT100 TPMS Diagnostic Tool, detailing specifications, operation, sensor programming, relearning procedures, system settings, and software upgrades.



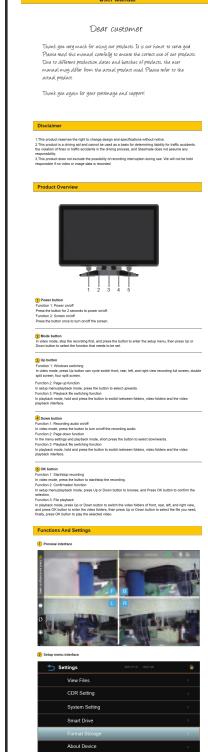
[Steelmate M5 Dash Camera User Manual](#)

User manual for the Steelmate M5 Dash Camera, covering installation, operation, settings, and troubleshooting.



[Steelmate M3 Dash Camera User Manual](#)

User manual for the Steelmate M3 Dash Camera, providing detailed instructions on installation, basic operations, settings, troubleshooting, and technical specifications.





Steelmate C40 Dash Camera for Commercial Vehicles User Manual

User manual for the Steelmate C40 Dash Camera, designed for commercial vehicles. This guide covers product overview, button functions, settings, smart drive features like Blind Spot Detection (BSD), installation instructions, and specifications.