Bosch FA103

Bosch FA103 AGM Motorcycle Battery User Manual

Model: FA103 (0986FA1030)
Brand: Bosch

1. Introduction

This user manual provides essential information for the safe and effective use of your Bosch FA103 AGM Motorcycle Battery. Please read these instructions carefully before installation and operation to ensure optimal performance and longevity of the battery. This battery is designed for motorcycles, mopeds, ATVs, jetskis, and snowmobiles.

2. Product Features

- **Power Output:** 12 V, 100 A, 9 Ah.
- **Dimensions:** 135 x 75 x 139 mm.
- **Weight:** 3.05 kg.
- **Polarity:** Left-right.
- **Factory Activated:** Ready to use, pre-filled with acid, and newly charged in Europe.
- **AGM (Absorbent Glass Mat) Technology:** Provides reliable and powerful cold starting, even in winter. Offers high energy availability due to low self-discharge.
- **Deep Discharge and Vibration Resistant:** Efficient for short-distance trips with frequent stops, as well as for motorsport and off-road use.
- **Versatile Application:** Suitable for motorcycles (off-road and touring), enduros, scooters, quads, jetskis, snowmobiles, and applications with many electrical consumers.
- **Installation Angle:** Up to 30° thanks to AGM technology.
- **Compatibility:** Compatible with Bosch M4F25, JIS BB9-B, BTB9, 12N9-4B-1, Yuasa YB9-B, YTB9, 12N9-4B-1.
- **EU Regulation 2019/1148 Compliant:** Product with pre-filled acid.

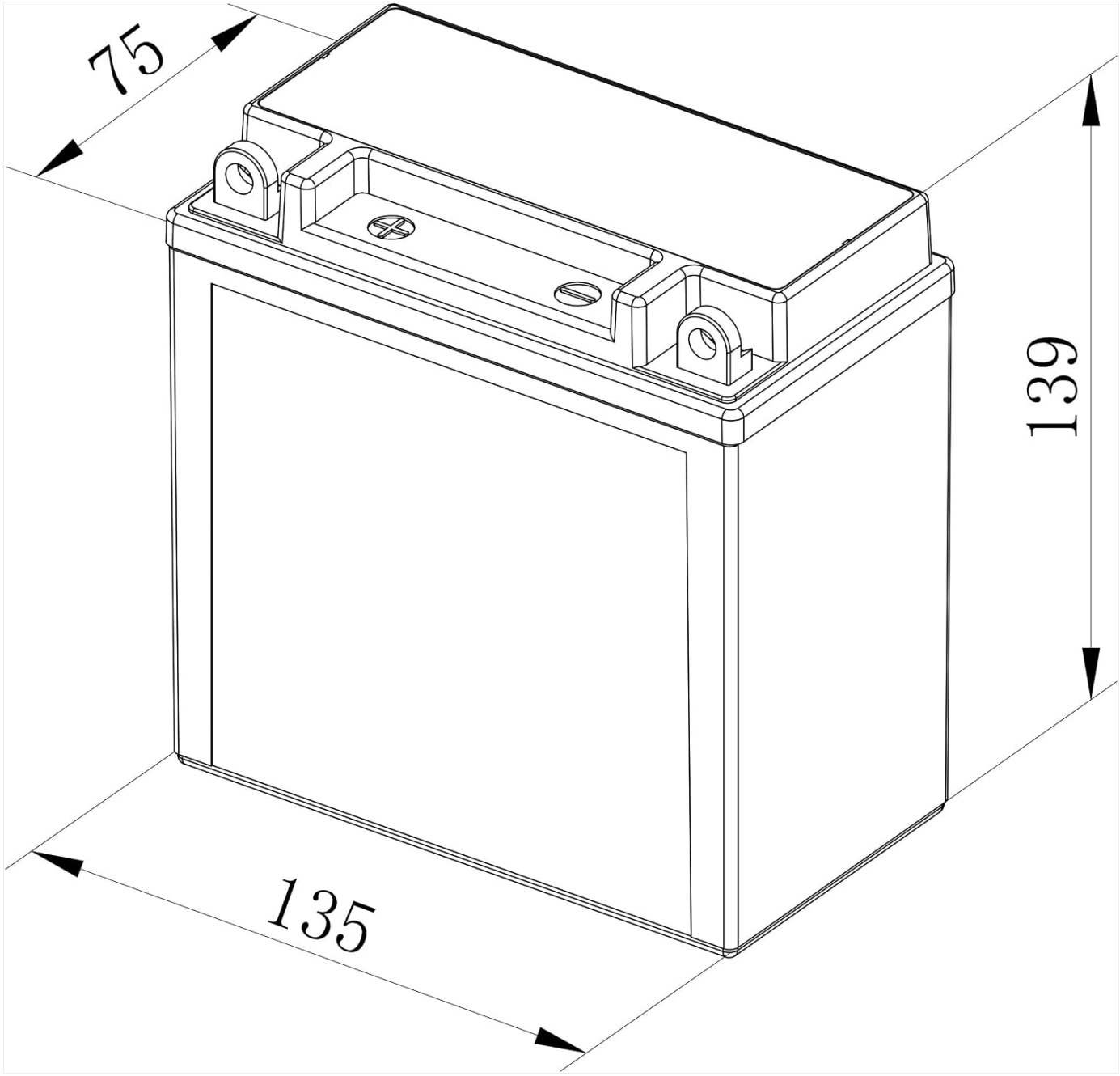


Image: Angled view of the Bosch FA103 AGM Motorcycle Battery, highlighting its compact design and branding.

3. Safety Information

Always prioritize safety when handling batteries. Improper handling can lead to serious injury or damage. Observe the following safety guidelines:

- **Wear Protective Gear:** Always wear eye protection and gloves when handling the battery.
- **Keep Away from Children:** Batteries contain corrosive acid and lead. Keep out of reach of children.
- **No Open Flames:** Keep sparks, open flames, and smoking materials away from the battery. Batteries can produce explosive gases.
- **Ventilation:** Ensure adequate ventilation when charging or working with batteries.
- **Proper Disposal:** Do not dispose of batteries in household waste. Recycle them at an authorized collection point. The battery contains lead (Pb).
- **Avoid Short Circuits:** Do not place metal objects on the battery terminals.
- **Acid Contact:** In case of contact with battery acid, flush immediately with plenty of water and seek medical attention.



Image: Side view of the Bosch FA103 battery, showing universal safety symbols, including warnings for corrosive materials, explosive gases, and proper disposal.

4. Setup and Installation

The Bosch FA103 AGM Motorcycle Battery is factory-activated, meaning it is pre-filled with acid and charged, ready for immediate use. No initial filling or charging is required.

1. **Vehicle Compatibility:** Before installation, verify the battery's compatibility with your vehicle using the vehicle identification or the mapping list provided by Bosch. Ensure all vehicle-specific restrictions are observed.
2. **Preparation:** Ensure the vehicle's ignition is off and all electrical accessories are disconnected.
3. **Remove Old Battery:** Disconnect the negative (-) terminal first, then the positive (+) terminal of the old battery. Carefully remove the old battery from its compartment.
4. **Install New Battery:** Place the Bosch FA103 battery securely in the battery compartment. The AGM technology allows for an installation angle of up to 30 degrees.

5. **Connect Terminals:** Connect the positive (+) terminal first, then the negative (-) terminal. Ensure connections are tight and secure.
6. **Secure Battery:** Use the vehicle's battery hold-down mechanism to secure the battery firmly in place to prevent movement and vibration damage.



Image: Top view of the Bosch FA103 battery, illustrating the positive and negative terminals for connection.

5. Operating Instructions

Once installed, the Bosch FA103 AGM battery operates like any standard motorcycle battery. Its AGM technology provides enhanced performance and reliability.

- **Starting the Vehicle:** Turn the ignition key and start your vehicle as usual. The battery's high cold-start current ensures reliable starting even in low temperatures.
- **Electrical Load:** The battery is designed to handle various electrical consumers. However, avoid excessive

discharge by leaving lights or accessories on when the engine is off for extended periods.

- **Short Trips:** The battery is adapted for deep discharge and vibrations, making it efficient for short-distance trips with frequent starts and stops.

6. Maintenance

The Bosch FA103 AGM battery is a sealed, maintenance-free battery. This means you do not need to check or refill electrolyte levels.

- **Cleaning Terminals:** Periodically inspect battery terminals for corrosion. Clean them with a wire brush and a mixture of baking soda and water if necessary. Ensure terminals are dry before reconnecting.
- **Charging:** If the vehicle is stored for extended periods (e.g., during winter), it is recommended to use a suitable battery charger to maintain its charge. Use a charger compatible with AGM batteries.
- **Storage:** Store the battery in a cool, dry place if removed from the vehicle. Ensure it is fully charged before storage and periodically check its voltage.
- **Physical Inspection:** Regularly check the battery for any signs of damage, cracks, or leaks.

7. Troubleshooting

If you encounter issues with your battery, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Engine cranks slowly or not at all	Low battery charge, loose/corroded terminals	Charge the battery. Clean and tighten terminals.
Lights dim when engine is off	Battery discharge due to accessories left on	Avoid leaving accessories on. Charge the battery if deeply discharged.
Battery not holding charge	Faulty charging system, internal battery damage, parasitic drain	Check vehicle's charging system (alternator/regulator). Consult a professional if issues persist.
Corrosion on terminals	Normal wear, improper connection	Clean terminals and apply anti-corrosion grease. Ensure tight connections.

8. Specifications

Specification	Value
Brand	Bosch
Model Number	0986FA1030
Vehicle Service Type	Motorcycle
Size (Capacity)	9Ah - YB9-B
Voltage	12 V
Battery Material	Lead Acid, AGM
Item Weight	3.16 Kilograms

Specification	Value
Product Dimensions (D x W x H)	7.5 x 13.5 x 13.9 centimeters
Number of Cells	6
Terminal Type	Quad Terminal
Country of Origin	Taiwan



Image: Technical drawing showing the dimensions of the Bosch FA103 battery (135mm length, 75mm width, 139mm height).

9. Product Video

Your browser does not support the video tag.

Video: An overview of the Bosch FA103 AGM Motorcycle Battery, highlighting its key features such as leak-proof gel technology, proven Bosch quality, shake-resistant construction, minimal self-discharge, pre-filled and charged status, suitability for various vehicles (motorcycles, mopeds, ATVs, snowmobiles), and reliable starting power and durability. It also mentions finding the right battery for your vehicle in the product guides.

10. Warranty and Support

For warranty information, technical support, or any inquiries regarding your Bosch FA103 AGM Motorcycle Battery, please refer to the official Bosch website or contact Bosch customer service directly. Keep your purchase receipt as proof of purchase.
You can find additional product guides and documents on the Bosch official support pages.

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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