

MOTOPOWER MP00205B

MOTOPOWER MP00205B 12V Battery Charger Maintainer & MP69033 OBD2 Scanner Instruction Manual

Model: MP00205B | Brand: MOTOPOWER

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your MOTOPOWER MP00205B 12V Automatic Battery Charger/Maintainer and MP69033 Multi-Function OBD2 Code Reader. Please read this manual thoroughly before operation and retain it for future reference.

2. SAFETY INFORMATION

WARNING: Read all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always wear eye protection and protective clothing when working with batteries.
- Ensure adequate ventilation when charging batteries to prevent gas accumulation.
- Never smoke or allow a spark or flame in the vicinity of the battery or engine.
- Connect the charger output clips to the battery terminals in the correct polarity: RED to POSITIVE (+), BLACK to NEGATIVE (-).
- Disconnect the AC power before connecting or disconnecting the battery clips.
- Do not expose the charger to rain or wet conditions.
- Keep out of reach of children.

3. PRODUCT FEATURES

3.1. MP00205B 12V Battery Charger/Maintainer

- **Compact, Robust & Durable:** Designed for easy storage with an enhanced fire-resistant plastic case.
- **Versatile Battery Compatibility:** Suitable for charging and maintaining all 12-volt lead-acid, flooded, or sealed maintenance-free batteries (AGM and gel cell).
- **Extended Cable Length:** Features up to 8.5FT 18AWG UL standard cables.
- **Flexible Connection Options:** Includes SAE quick-release connection options: 7.5amp fuse-protected Ring Terminals Harness and fully insulated enhanced 50amp Alligator Clamp Harness. Compatible with all devices using standard SAE connectors.
- **Recover, Charge & Maintain:** Utilizes pulse charging technology to boost battery performance and extend battery life by delivering slight pulse currents at appropriate stages.
- **Multi-barrier Safety Protections:** Fully automatic operation with built-in safety features to prevent overcharge. Automatically stops charging when full and maintains the battery at 13.6V indefinitely. Incorporates spark-free technology for enhanced safety.

3.2. MP69033 Multi-Functions OBD2 Code Reader

- **Practical Multi-Functions:** Features a built-in OBD2 DTC lookup library to help determine the cause of the engine light. Functions include reading codes, erasing codes, viewing freeze frame data, I/M readiness status, vehicle information, data flow, real-time curve display, vehicle speed information, calculated load value, engine coolant temperature, and engine speed.
- **Wide Capability:** Supports 9 protocols compatible with most 1996 US-Based, 2000 EU-Based, and Asian cars, as well as newer OBD II & CAN domestic or import vehicles.
- **Multi-Language Support:** Supports 6 languages: English, German, Dutch, Spanish, French, Italian.

4. SETUP

4.1. MP00205B Battery Charger/Maintainer Setup

Before connecting, ensure the charger is unplugged from the AC power outlet.

1. **Choose Connection Method:** Select either the Alligator Clamp Harness or the Ring Terminals Harness based on your battery type and preference. Both connect to the charger unit via an SAE quick-release connector.
2. **Connect to Battery:**
 - Connect the RED (+) clip/terminal to the positive (+) battery terminal.
 - Connect the BLACK (-) clip/terminal to the negative (-) battery terminal.
3. **Connect to Power:** Plug the charger's AC power cord into a standard 100-240V AC wall outlet. The charger will automatically begin its charging cycle.

Accessories



Image: MOTOPOWER MP00205B charger showing the main unit, alligator clamps, and ring terminals. The clamps are red and black, and the ring terminals are small metal rings attached to red and black wires, all connecting to the main charger unit via SAE connectors.



Image: MOTOPOWER MP00205B charger connected to a car battery. The grey charger unit is visible, with cables leading to the battery terminals. The charger's indicator lights are visible.

4.2. MP69033 OBD2 Code Reader Setup

1. **Locate OBD2 Port:** The OBD2 port is typically located under the dashboard on the driver's side of the vehicle.
2. **Connect Scanner:** Plug the MP69033 OBD2 scanner's cable into the vehicle's OBD2 port. Ensure a secure connection.
3. **Power On:** The scanner will usually power on automatically once connected to the vehicle's OBD2 port.

COMPACT SIZE & EASY OPERATION



Image: MOTOPOWER MP69033 OBD2 scanner showing its compact size and button layout. The 2.8-inch LCD display is visible, along with buttons for navigation, confirmation, and vehicle ID number check.

5. OPERATING INSTRUCTIONS

5.1. MP00205B Battery Charger/Maintainer Operation

- **Automatic Charging:** Once connected to the battery and AC power, the charger automatically detects the battery status and initiates the appropriate charging mode.
- **LED Indicators:** The charger features LED indicators to show the charging status:
 - **Red LED (Charging/Desulfating):** Indicates the battery is actively charging or undergoing desulfation.
 - **Green LED (Absorption/Charged/Maintain):** Indicates the battery is in the absorption phase, fully charged, or in maintenance mode.

- **Pulse Charging Technology:** The charger uses pulse charging to optimize battery performance and extend its lifespan, especially for batteries in poor condition. This includes a soft start and desulfation for weak batteries, and an absorption pulse mode for a 100% full charge.
- **Maintenance Mode:** After the battery is fully charged, the charger automatically switches to a maintenance (float) mode, keeping the battery at an optimal 13.6V without overcharging.



Image: MOTOPOWER MP00205B charger highlighting its Pulse Boost Technology. Text indicates 'Soft Start & Desulfate for Batteries in Poor Condition' and 'Absorption Pulse Mode for 100% full charge', emphasizing maximization of battery performance.

• **AUTOMATICAL OPERATION**

• **Multi-barrier Safety Protection**

• **Spark-Free Technology**



Image: MOTOPOWER MP00205B charger showing its automatic operation and multi-barrier safety protection. The charger is connected to a battery, with text indicating 'Automatic Operation', 'Multi-barrier Safety Protection', 'Spark-Free Technology', and 'Charge & Maintain Indefinitely'.

5.2. MP69033 OBD2 Code Reader Operation

- **Read Codes:** Access and display Diagnostic Trouble Codes (DTCs) that have triggered the Check Engine Light.
- **Erase Codes:** Clear DTCs from the vehicle's computer. Note: Erasing codes does not fix the underlying problem.
- **View Freeze Frame:** Display a snapshot of sensor readings at the moment a fault code was set.
- **I/M Readiness:** Check if the vehicle's emission systems are ready for inspection.
- **Vehicle Information:** Retrieve vehicle identification number (VIN), calibration ID, and calibration verification number (CVN).
- **Data Flow/Real-time Curve:** Monitor live sensor data in numerical or graphical format, including vehicle speed, calculated load value, engine coolant temperature, and engine RPM.
- **DTC Lookup Library:** Use the built-in library to understand the meaning of generic and manufacturer-specific fault codes.

Professional OBD II Scan Tool



Read Codes



Erase Codes



MIL Fault indicator
light



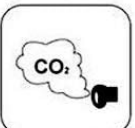
Live Data



EVAP System
Test



On-board monitor
Test



O2 Sensor Test



I/M Readiness



View Freeze
Frame



DTC Code
lookup



Multi-Function
Wide Capability
Support Anytime

Image: MOTOPOWER MP69033 OBD2 scanner displaying its multi-function capabilities, including Read Codes, Erase Codes, MIL Fault Indicator, Live Data, EVAP System Test, O2 Sensor Test, View Freeze Frame, On-board Monitor Test, I/M Readiness, and DTC Code Lookup.

PROFESSIONAL DIAGNOSTIC TOOL

Read codes, Erase codes, VIN check

Accurate & Easy to read

All in one

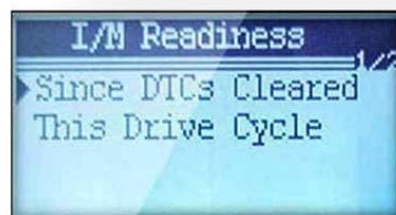
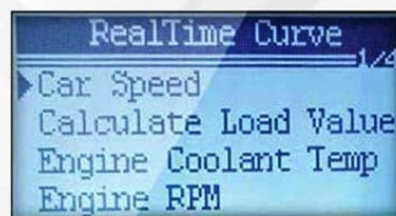


Image: MOTOPOWER MP69033 OBD2 scanner screen showing diagnostic data such as Read Codes, Erase Codes, View Freeze Frame, I/M Readiness, DTC Lookup, RealTime Curve (Car Speed, Calculate Load Value, Engine Coolant Temp, Engine RPM).

6. MAINTENANCE

6.1. Charger/Maintainer Care

- Keep the charger clean and dry. Wipe with a soft, damp cloth.
- Inspect cables and connectors regularly for damage. Replace if necessary.
- Store the charger in a cool, dry place when not in use.

6.2. Battery Care

- Regularly check battery fluid levels for flooded batteries and top up with distilled water if needed.
- Keep battery terminals clean and free of corrosion.

- For vehicles stored for extended periods, use the maintainer function to keep the battery optimally charged.

6.3. OBD2 Scanner Care

- Keep the scanner's screen and buttons clean. Use a soft, dry cloth.
- Avoid dropping the scanner or exposing it to extreme temperatures.

7. TROUBLESHOOTING

7.1. Charger/Maintainer Issues

- **Charger not turning on:** Ensure the AC power cord is securely plugged into a live outlet. Check for tripped circuit breakers.
- **Charger not indicating 'Charging':** Verify that the battery clips/terminals are correctly connected to the battery terminals (RED to +, BLACK to -). The battery might be fully charged already.
- **Charger not reaching 'Charged' status:** The battery may be deeply discharged or faulty. Allow more time for charging or have the battery tested by a professional.

7.2. OBD2 Scanner Issues

- **Scanner not powering on:** Ensure the scanner is securely connected to the vehicle's OBD2 port. Check the vehicle's battery voltage.
- **Communication error:** Verify the vehicle's ignition is ON. Check for loose connections. Try the scanner on another vehicle to rule out a scanner fault.
- **No codes found:** The Check Engine Light may not be on, or the issue might not be emissions-related.

8. SPECIFICATIONS

Feature	Specification
Brand	MOTOPower
Model	MP00205B (Charger/Maintainer), MP69033 (OBD2 Scanner)
Output Voltage (Charger)	12 Volts
Input Voltage (Charger)	18 Volts
Battery Compatibility	12V Lead-Acid, Flooded, Sealed Maintenance Free (AGM, Gel Cell)

Feature	Specification
OBD2 Protocols Supported	9 protocols (compatible with most 1996 US-Based, 2000 EU-Based, and Asian cars, newer OBD II & CAN)
OBD2 Scanner Display	2.8" LCD
OBD2 Scanner Languages	English, German, Dutch, Spanish, French, Italian
Safety Standard	UL Certified
Color	Gray (Charger), Yellow/Black (OBD2 Scanner)

9. WARRANTY AND SUPPORT

MOTOPower products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the product packaging or visit the official MOTOPower website. Keep your purchase receipt for warranty claims.

10. OFFICIAL PRODUCT VIDEOS

MOTOPower MP00205A 12V 800mA Battery Charger and Maintainer

Video: An official MOTOPower video demonstrating the features and usage of the 12V 800mA Battery Charger and Maintainer. This video provides a visual guide to connecting the charger to a battery and understanding its operation.

MOTOPower MP69033 OBD2 Code Reader Scanner

Video: An official MOTOPower video showcasing the MP69033 OBD2 Code Reader Scanner. The video illustrates how to connect the scanner to a vehicle's OBD2 port and navigate its various diagnostic functions, such as reading and clearing codes.