

Mitsubishi Outlander PHEV

2020 Mitsubishi Outlander PHEV Wiring Diagram Manual

Official Electrical Supplement

INTRODUCTION

This manual provides comprehensive wiring diagrams for the 2020 Mitsubishi Outlander PHEV (Plug-in Hybrid Electric Vehicle). It serves as an essential reference for technicians and enthusiasts requiring detailed electrical system information, including circuit layouts, component locations, and connector pin-outs. The diagrams are designed to facilitate accurate diagnosis, repair, and maintenance of the vehicle's electrical systems.

HOW TO USE THIS MANUAL

To effectively utilize this wiring diagram manual, familiarize yourself with its structure and conventions. Diagrams are typically organized by system or component. Each diagram includes a legend explaining symbols, wire colors, and connector types. Cross-references to related diagrams or component locations may also be provided. Begin by identifying the specific circuit or component you need to work with, then locate the corresponding diagram.

- **Locate the System:** Use the index or section headers to find the relevant electrical system (e.g., engine control, lighting, charging system).
- **Understand the Legend:** Refer to the legend at the beginning of each section or the manual's front matter to interpret symbols, abbreviations, and wire color codes.
- **Trace Circuits:** Follow the lines representing wires to trace the path of electrical current from power sources through components to ground.
- **Identify Components:** Components are labeled with names or codes. Refer to the component location diagrams for physical placement within the vehicle.

INTERPRETING WIRING DIAGRAMS

Wiring diagrams use standardized symbols and conventions to represent electrical components and connections. Understanding these elements is crucial for accurate interpretation.

- **Symbols:** Each electrical component (e.g., resistor, capacitor, switch, motor) has a unique graphic symbol.
- **Wire Colors:** Wires are often color-coded (e.g., R for Red, B for Black, W for White) and may include a stripe color (e.g., R/W for Red with White stripe).
- **Connectors:** Connectors are typically represented by numbered pins, indicating the connection points between harnesses or components.

- **Ground Points:** Ground connections are indicated by a specific symbol, showing where circuits connect to the vehicle's chassis or a dedicated ground point.
- **Power Sources:** Battery and fuse box connections are clearly marked, indicating the origin of electrical power.

Always refer to the specific legend within the manual for the exact meaning of symbols and codes used in the 2020 Mitsubishi Outlander PHEV diagrams.

MAINTENANCE AND CARE

To ensure the longevity and usability of this wiring diagram manual, store it in a dry, clean environment away from direct sunlight and extreme temperatures. Avoid exposing the pages to grease, oil, or other contaminants that could obscure the diagrams or text. Handle the pages carefully to prevent tearing or creasing. Regular cleaning of the cover with a dry cloth is recommended.

TROUBLESHOOTING WITH DIAGRAMS

Wiring diagrams are indispensable tools for diagnosing electrical issues. When troubleshooting, follow these general steps:

1. **Identify the Symptom:** Clearly define the electrical problem (e.g., headlight not working, window motor failure).
2. **Locate the Relevant Circuit:** Find the wiring diagram for the affected system or component.
3. **Check Power and Ground:** Verify that the component is receiving proper voltage and has a good ground connection as indicated in the diagram.
4. **Inspect Fuses and Relays:** Use the diagram to identify associated fuses and relays and check their integrity.
5. **Test Continuity:** Use a multimeter to test for continuity along wires and through components as shown in the diagram.
6. **Examine Connectors:** Check for loose, corroded, or damaged connections at all points indicated in the diagram.

Always disconnect the battery before performing any electrical repairs to prevent short circuits or damage.

SPECIFICATIONS

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VISUAL REFERENCE

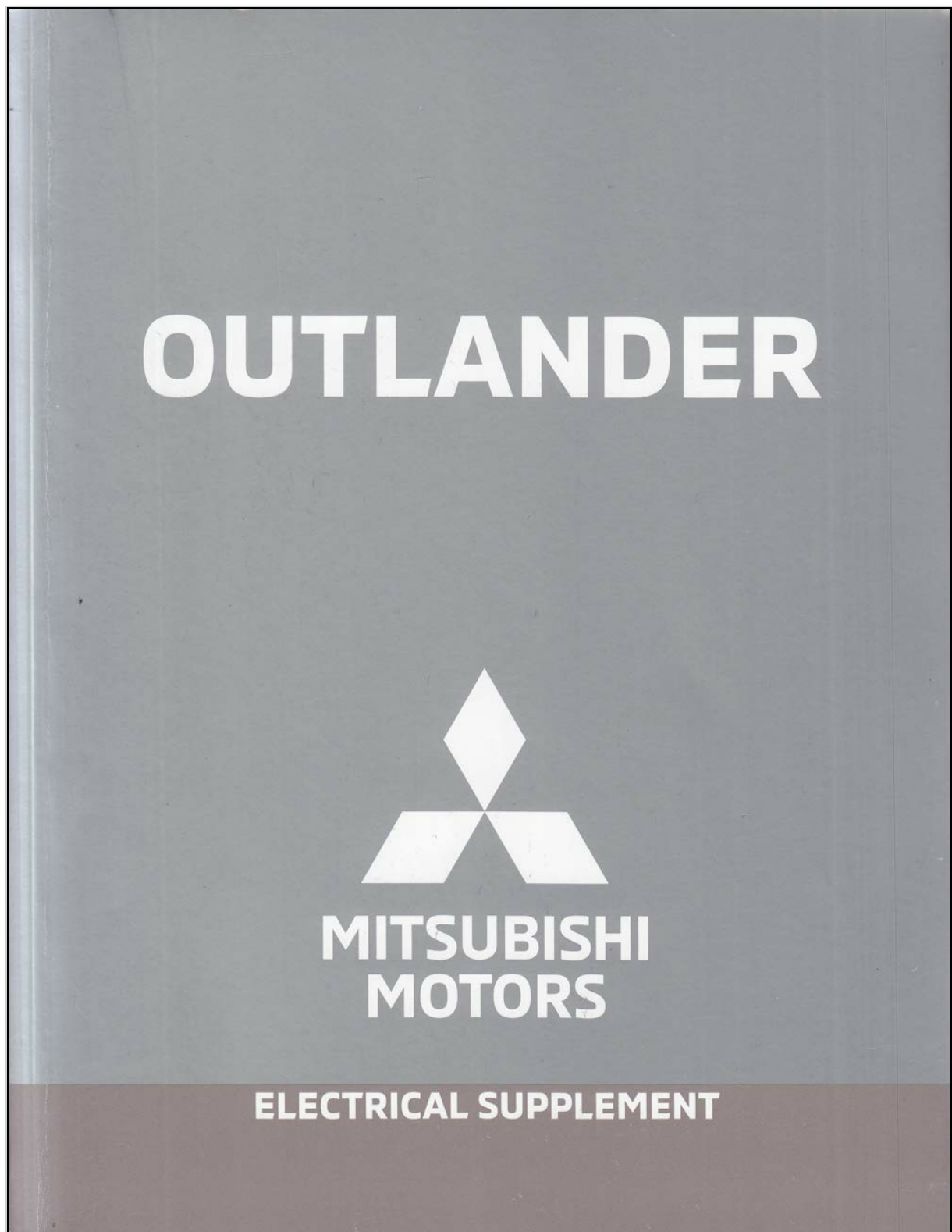


Figure 1: Front cover of the 2020 Mitsubishi Outlander PHEV Wiring Diagram Manual. The cover features the "OUTLANDER" text prominently at the top, followed by the Mitsubishi Motors logo and text, and "ELECTRICAL SUPPLEMENT" at the bottom. This image provides a visual representation of the manual's physical appearance.

IMPORTANT NOTES

This manual is intended for informational purposes and should be used by individuals with appropriate technical knowledge and safety training. Always follow proper safety procedures when working with vehicle electrical systems. Mitsubishi Motors is not responsible for any damage or injury resulting from improper use of this manual or incorrect repair procedures.

