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Kia Optima Hybrid

Kia Optima Hybrid 2011 Owner's Manual

Your comprehensive guide to operating and maintaining your vehicle.

Introduction

This manual contains important information regarding the operation, maintenance, and safety of your 2011 Kia Optima Hybrid. Please read it thoroughly to ensure proper use and to maximize the lifespan and performance of your vehicle. Keep this manual in your vehicle for future reference.

For your safety, pay close attention to all warnings and cautions presented throughout this manual. Failure to follow these instructions could result in serious injury or damage to your vehicle.

Vehicle Overview

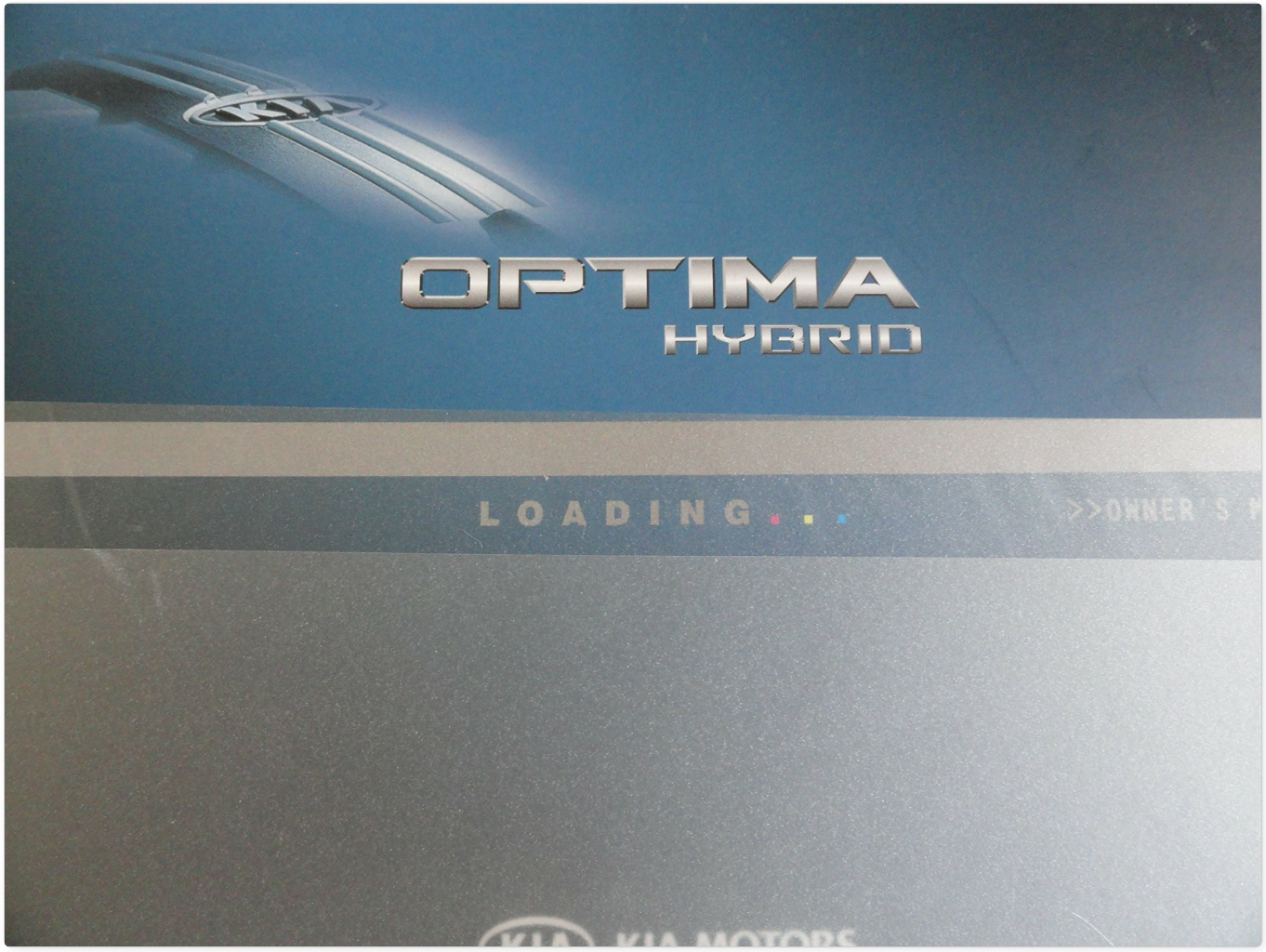

Image: Front cover of the official owner's manual for the 2011 Kia Optima Hybrid. This manual provides detailed instructions and information for vehicle owners.

Familiarize yourself with the main components and controls of your Kia Optima Hybrid. This includes the dashboard layout, steering wheel controls, center console, and exterior features. Understanding these elements is crucial for safe and efficient operation.

- **Dashboard Indicators:** Learn the meaning of various warning lights and indicators on your instrument cluster.
- **Steering Wheel Controls:** Understand how to operate audio, cruise control, and phone functions without taking your hands off the wheel.
- **Infotainment System:** Navigate the multimedia system for audio, navigation, and vehicle settings.

Setup and Initial Checks

Before driving your Kia Optima Hybrid for the first time, or after a long period of inactivity, perform the following checks:

1. **Fluid Levels:** Check engine oil, coolant, brake fluid, and windshield washer fluid levels.
2. **Tire Pressure:** Ensure all tires are inflated to the recommended pressure, including the spare. Refer to the label on the driver's side door jamb.
3. **Lights and Signals:** Verify that all exterior lights (headlights, taillights, turn signals, brake lights) and interior lights are functioning correctly.
4. **Seat and Mirror Adjustment:** Adjust your seat, steering wheel, and mirrors for optimal driving position and visibility.
5. **Seatbelts:** Ensure all occupants are properly buckled.

Operating Your Vehicle

Starting and Stopping the Engine

Your Optima Hybrid features a push-button start system. Ensure the shift lever is in 'P' (Park) and your foot is on the brake pedal before pressing the START/STOP button.

- **Starting:** Press the brake pedal firmly and press the START/STOP button. The READY indicator will illuminate when the vehicle is ready to drive.
- **Stopping:** Shift the lever to 'P' (Park) and press the START/STOP button.

Hybrid System Operation

The Optima Hybrid seamlessly switches between electric motor and gasoline engine power. The vehicle's display will show the current power flow. Regenerative braking helps recharge the high-voltage battery.

- **EV Mode:** At low speeds or when coasting, the vehicle may operate solely on electric power.
- **Engine Start/Stop:** The gasoline engine may automatically turn off when stopped or at low speeds to conserve fuel.
- **Eco Driving:** Drive smoothly, avoid rapid acceleration and hard braking to maximize fuel efficiency.

Driving Features

Familiarize yourself with features such as cruise control, climate control, and the audio system for a comfortable driving experience.

- **Cruise Control:** Set your desired speed for highway driving. Refer to the steering wheel controls section for detailed instructions.
- **Climate Control:** Adjust temperature, fan speed, and air distribution for optimal cabin comfort.
- **Parking Brake:** Engage the parking brake when parking, especially on inclines.

Maintenance

Regular maintenance is crucial for the longevity and performance of your Kia Optima Hybrid. Adhere to the maintenance schedule outlined in this manual.

Scheduled Maintenance

Refer to the maintenance schedule for recommended service intervals based on mileage or time, whichever comes first. This typically includes:

- Oil and filter changes
- Tire rotation
- Brake inspection
- Fluid checks and top-offs
- Filter replacements (air, cabin)

Owner Maintenance

Between scheduled services, you should regularly check the following:

- **Tire Pressure:** Check weekly.
- **Fluid Levels:** Check monthly (engine oil, coolant, washer fluid).
- **Lights:** Inspect all lights for proper function.

- **Wiper Blades:** Replace if streaking or chattering.

Always use genuine Kia parts or approved equivalents for maintenance and repairs.

Troubleshooting

This section addresses common issues you might encounter with your vehicle and provides potential solutions.

Symptom	Possible Cause	Solution
Engine will not start	Dead 12V battery, faulty starter, fuel issue, immobilizer active.	Check battery terminals, jump-start (refer to manual), ensure sufficient fuel, check immobilizer light. If problem persists, contact Kia service.
Warning light illuminated	Various system malfunctions (e.g., check engine, ABS, airbag).	Consult the dashboard indicator section of this manual for specific light meanings. Seek professional diagnosis if necessary.
Poor fuel economy	Aggressive driving, low tire pressure, dirty air filter, engine issues.	Adopt eco-driving habits, check tire pressure, replace air filter, ensure regular maintenance.

For complex issues or if a warning light persists, it is recommended to contact an authorized Kia service center.

Specifications

Key technical specifications for the 2011 Kia Optima Hybrid.

Category	Specification
Engine Type	2.4L Theta II GDI I4 + Electric Motor
Total System Horsepower	Approximately 206 hp
Transmission	6-speed automatic with Sportmatic®
Fuel Tank Capacity	Approx. 17.2 gallons (65 liters)
Tire Size (Standard)	P205/65R16 or P215/55R17 (depending on trim)
Curb Weight	Approx. 3,490 lbs (1,583 kg)

Note: Specifications may vary slightly based on trim level and region. Refer to your vehicle's specific documentation for exact details.

Warranty Information

Your 2011 Kia Optima Hybrid is covered by a comprehensive warranty. Please refer to the separate Warranty and Consumer Information Manual provided with your vehicle for complete details on coverage, limitations, and terms. Key warranty components typically include:

- **Basic Warranty:** Covers most vehicle components.
- **Powertrain Warranty:** Covers engine, transmission, and drivetrain components.

- **Hybrid System Warranty:** Specific coverage for hybrid components like the battery and electric motor.
- **Anti-Perforation Warranty:** Covers rust-through of body panels.

Warranty coverage is subject to regular maintenance being performed as specified in this owner's manual.

Customer Support

If you have questions, require assistance, or need to schedule service for your Kia Optima Hybrid, please utilize the following resources:

- **Authorized Kia Dealer:** Your primary resource for service, parts, and warranty claims. Locate your nearest dealer via the official Kia website.
- **Kia Customer Service:** For general inquiries or assistance, you can contact Kia's customer service department. Refer to the contact information in your Warranty and Consumer Information Manual or the official Kia website.
- **Online Resources:** Visit the official Kia website for additional information, FAQs, and owner resources.

When contacting support, please have your Vehicle Identification Number (VIN) readily available.

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