

99 jeep grand cherokee fuse box diagram

99 Jeep Grand Cherokee fuse box diagram is an essential reference for any owner or enthusiast of this SUV model. Understanding the layout and function of the fuse boxes in your vehicle can help you troubleshoot electrical issues, replace blown fuses, and ensure that all electrical components are functioning correctly. This article will delve into the details of the fuse box in the 1999 Jeep Grand Cherokee, including its location, the various fuses it contains, and how to read the diagram effectively.

Overview of the 1999 Jeep Grand Cherokee Fuse Boxes

The 1999 Jeep Grand Cherokee is equipped with multiple fuse boxes that serve different functions. Understanding where these fuse boxes are located and what each fuse controls is crucial for maintaining the vehicle's electrical system.

Location of Fuse Boxes

In the 1999 Jeep Grand Cherokee, you will find two primary fuse boxes:

1. Under the hood: This fuse box is typically located near the battery and is easily accessible for quick checks and replacements.
2. Inside the cabin: The interior fuse box is usually located on the driver's side beneath the dashboard, just to the left of the steering column.

Fuse Box Diagram Overview

The fuse box diagram is a visual representation that illustrates the layout of the fuses, their positions, and the specific functions they control. The diagram will typically include the following information:

- Fuse number: This indicates the position of the fuse in the box.
- Amp rating: This shows the electrical capacity of the fuse.
- Function: A brief description of what electrical component the fuse protects.

Underhood Fuse Box Diagram

The underhood fuse box contains fuses that control various systems in the vehicle, including the engine and transmission. Here's a detailed breakdown of the fuses you can expect to find:

Common Fuses in the Underhood Fuse Box

1. Fuse 1: 20A - Engine Control Module (ECM)
2. Fuse 2: 10A - Transmission Control Module (TCM)
3. Fuse 3: 15A - Fuel Pump Relay
4. Fuse 4: 30A - Cooling Fan Relay
5. Fuse 5: 20A - Power Distribution Center
6. Fuse 6: 10A - ABS (Anti-lock Brake System)
7. Fuse 7: 15A - A/C Clutch Relay

How to Read the Underhood Fuse Box Diagram

To effectively read the underhood fuse box diagram, follow these steps:

- Locate the diagram on the inside cover of the fuse box.
- Identify the fuse number corresponding to the fuse you want to check.
- Refer to the amp rating and the function to understand its purpose.
- If the fuse is blown, replace it with a fuse of the same amperage.

Interior Fuse Box Diagram

The interior fuse box handles the electrical components within the cabin, such as lights, radio, and power windows. Understanding its layout is essential for troubleshooting issues in these areas.

Common Fuses in the Interior Fuse Box

1. Fuse 1: 10A - Radio
2. Fuse 2: 15A - Power Windows
3. Fuse 3: 15A - Dome Light
4. Fuse 4: 20A - Instrument Cluster
5. Fuse 5: 10A - Cigarette Lighter
6. Fuse 6: 15A - HVAC (Heating, Ventilation, and Air Conditioning)
7. Fuse 7: 20A - Power Seats

Reading the Interior Fuse Box Diagram

Similar to the underhood fuse box, the interior fuse box diagram can be found on the cover of the box. Here's how to read it:

- Open the fuse box cover and locate the diagram.
- Identify the fuse number you intend to check.
- Cross-reference with the amp rating and function.

- If necessary, remove the fuse using a fuse puller or pliers and inspect it for damage.

Common Issues Related to Fuse Boxes

Understanding common issues related to the fuse boxes in the 1999 Jeep Grand Cherokee can help you preemptively address electrical problems.

Blown Fuses

One of the most common issues is a blown fuse. Symptoms include:

- Non-functioning electrical components (e.g., lights, power windows).
- Warning lights on the dashboard.
- Intermittent electrical issues.

To address blown fuses:

1. Identify the fuse that controls the faulty component.
2. Remove the blown fuse and replace it with a fuse of the same amperage.
3. If the new fuse blows immediately, there may be a short circuit in the wiring.

Corroded Connections

Corrosion can occur over time, particularly in the underhood fuse box due to exposure to the elements. Symptoms of corroded connections include:

- Inconsistent electrical performance.
- Difficulty starting the vehicle.
- Warning lights on the dashboard.

To clean corroded connections:

1. Disconnect the battery.
2. Remove the fuse box cover and visually inspect for corrosion.
3. Use a wire brush or electrical contact cleaner to remove corrosion.
4. Reconnect everything and test the electrical systems.

Maintaining Your Fuse Boxes

Regular maintenance of your fuse boxes can prolong their lifespan and ensure that your Jeep Grand Cherokee operates smoothly.

Regular Checks

Conduct regular checks on your fuse boxes:

- Inspect fuses periodically for signs of wear or damage.
- Ensure that all connections are secure and free from corrosion.

Keep a Fuse Replacement Kit

Having a fuse replacement kit on hand can save time and ensure you are prepared for any electrical issues. Your kit should include:

- A variety of fuses (different amp ratings).
- A fuse puller or pliers.
- Electrical contact cleaner.
- A multimeter for testing electrical continuity.

Conclusion

In summary, understanding the 99 Jeep Grand Cherokee fuse box diagram is crucial for any owner looking to troubleshoot electrical issues effectively. Familiarizing yourself with the layout and function of both the underhood and interior fuse boxes will empower you to handle minor problems independently. Regular maintenance and checks will help keep your vehicle's electrical system in optimal condition, ensuring a safe and enjoyable driving experience. Whether you are replacing a blown fuse or cleaning corroded connections, being informed will make the process smoother and more efficient.

Frequently Asked Questions

What is the location of the fuse box in a 1999 Jeep Grand Cherokee?

The fuse box in a 1999 Jeep Grand Cherokee is located under the dashboard on the driver's side, near the steering column.

How can I find the fuse box diagram for my 1999 Jeep Grand Cherokee?

You can find the fuse box diagram in the owner's manual of the vehicle or by searching online on Jeep forums and automotive websites.

What are the common fuses found in the 1999 Jeep Grand Cherokee fuse box?

Common fuses include those for headlights, turn signals, power windows, radio, and the engine control unit.

How do I replace a blown fuse in my 1999 Jeep Grand Cherokee?

To replace a blown fuse, first, locate the fuse box, identify the blown fuse using the diagram, remove it with a fuse puller or pliers, and replace it with a new fuse of the same amperage.

What tools do I need to access the fuse box in a 1999 Jeep Grand Cherokee?

You typically only need your hands or a pair of pliers to access and replace fuses in the fuse box.

Are there any specific fuses to check if my 1999 Jeep Grand Cherokee won't start?

Yes, check the fuses related to the ignition system, fuel pump, and starter relay in the fuse box.

What should I do if the fuse keeps blowing in my 1999 Jeep Grand Cherokee?

If a fuse keeps blowing, it could indicate a short circuit or an overload; you should inspect the wiring and components associated with that circuit.

Is there a separate fuse box for the engine compartment in the 1999 Jeep Grand Cherokee?

Yes, there is a second fuse box located in the engine compartment that contains fuses for various engine components.

Can I use a fuse with a higher amperage than specified in the 1999 Jeep Grand Cherokee fuse box?

No, using a fuse with a higher amperage can cause damage to the electrical system and create a fire hazard.

Where can I download a PDF version of the 1999 Jeep Grand Cherokee fuse box diagram?

You can often find a PDF version of the fuse box diagram on Jeep enthusiast websites, repair manuals, or by searching for '1999 Jeep Grand Cherokee fuse box diagram PDF' online.

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