

1986 ford f150 fuse box diagram

1986 ford f150 fuse box diagram is an essential reference for owners and mechanics working on this classic pickup truck. Understanding the fuse box layout and functions can simplify troubleshooting electrical issues, performing repairs, and maintaining the vehicle's electrical system. This article provides a detailed overview of the 1986 Ford F150 fuse box diagram, covering the location, fuse assignments, and tips for interpreting the schematic. Whether dealing with blown fuses, installing aftermarket accessories, or restoring an older truck, having accurate fuse box information is crucial. The 1986 Ford F150 features a fuse panel designed to protect circuits ranging from headlights to ignition and accessory power. This guide also explores common problems related to the fuse box and best practices for fuse replacement and inspection. The following sections will help clarify the fuse layout and ensure safe, effective maintenance of the electrical components.

- Location and Overview of the 1986 Ford F150 Fuse Box
- Detailed Fuse Box Diagram and Fuse Assignments
- How to Read and Interpret the Fuse Box Diagram
- Common Electrical Issues and Fuse Troubleshooting
- Fuse Replacement Tips and Safety Precautions

Location and Overview of the 1986 Ford F150 Fuse Box

The fuse box in the 1986 Ford F150 is typically located inside the vehicle, under the dashboard on the driver's side. This placement allows easy access for checking and replacing fuses without requiring special tools or disassembly of engine components. The fuse panel houses blade-type fuses that protect various electrical circuits throughout the truck. Understanding the location is the first step when diagnosing electrical problems or performing routine maintenance.

In addition to the interior fuse box, some 1986 Ford F150 models may also have a secondary fuse or relay box under the hood. This engine compartment fuse box handles critical systems such as engine management, cooling fans, and larger electrical loads. Familiarity with both fuse boxes and their respective fuse assignments is vital for comprehensive troubleshooting.

Interior Fuse Box Location

The interior fuse box is mounted below the dashboard, near the steering column on the driver's side. It is covered by a plastic panel that can be easily removed by hand. This fuse panel contains fuses for circuits including the radio, interior lights, windshield wipers, and instrument cluster.

Engine Compartment Fuse Box

Located near the battery or on the driver's side fender well, the engine compartment fuse box safeguards higher-amperage circuits like the ignition system, cooling fans, and headlights. Access to this box is straightforward but requires caution due to proximity to the battery and engine components.

Detailed Fuse Box Diagram and Fuse Assignments

The 1986 Ford F150 fuse box diagram illustrates the arrangement and function of each fuse within the fuse panel. Each fuse is assigned a specific amperage rating designed to protect a particular circuit. Knowing the exact fuse assignment helps identify which fuse to inspect or replace when troubleshooting electrical failures.

Below is a typical fuse assignment list for the interior fuse box of a 1986 Ford F150. Note that variations may exist depending on cab style, engine type, and optional equipment.

- **Fuse 1:** Headlights (15 Amp)
- **Fuse 2:** Tail Lights and License Plate Lights (10 Amp)
- **Fuse 3:** Instrument Cluster (10 Amp)
- **Fuse 4:** Horn (20 Amp)
- **Fuse 5:** Cigarette Lighter / Accessory Power (20 Amp)
- **Fuse 6:** Radio (10 Amp)
- **Fuse 7:** Windshield Wipers (20 Amp)
- **Fuse 8:** Heater and Air Conditioning (30 Amp)
- **Fuse 9:** Brake Lights (15 Amp)
- **Fuse 10:** Backup Lights (10 Amp)

The engine compartment fuse box contains fuses and relays for higher current circuits such as the cooling fan, ignition coil, and fuel pump. These fuses typically have higher amperage ratings (30-40 Amp) to handle larger electrical loads safely.

How to Read and Interpret the Fuse Box Diagram

Interpreting the 1986 Ford F150 fuse box diagram requires understanding the symbols, fuse ratings, and circuit descriptions. The diagram often uses a top-down layout representing the physical

arrangement inside the fuse panel. Each fuse location is numbered and matched with its corresponding function and amperage rating.

When reading the fuse box diagram, it is important to:

- Identify the fuse number and its physical position
- Check the amperage rating to ensure compatibility
- Understand the circuit protected by the fuse
- Use the diagram to isolate which fuse corresponds to the malfunctioning component

Fuse diagrams also help during modifications or upgrades, such as adding aftermarket lighting or audio equipment, by showing available circuits and their protection ratings.

Common Electrical Issues and Fuse Troubleshooting

Electrical problems in a 1986 Ford F150 often stem from blown fuses, faulty wiring, or component failures. Diagnosing issues with the fuse box and related circuits is a common maintenance task. Symptoms such as non-functioning headlights, dead radio, or inoperative windshield wipers usually point toward fuse issues.

Common fuse-related problems include:

- Blown fuses caused by short circuits or overloads
- Corroded or loose fuse connections
- Using incorrect fuse amperage ratings
- Failure of related wiring or components causing repeated fuse blowouts

Proper troubleshooting involves visually inspecting fuses for broken filaments, testing with a multimeter, and tracing wiring for shorts. Consulting the fuse box diagram aids in quickly pinpointing the fault area.

Fuse Replacement Tips and Safety Precautions

Replacing fuses in the 1986 Ford F150 fuse box requires care to avoid electrical hazards and further damage. Always use the correct amperage fuse specified in the fuse box diagram to maintain circuit protection integrity. Installing a fuse with too high a rating can cause wiring damage or fire risk.

Recommended fuse replacement tips include:

1. Turn off the ignition and all electrical accessories before replacing fuses.

2. Use a fuse puller or needle-nose pliers to remove blown fuses carefully.
3. Check the fuse box diagram to confirm the proper fuse rating and position.
4. Inspect the fuse holder for corrosion or damage before installing a new fuse.
5. Replace fuses one at a time and test the circuit functionality after installation.
6. If a new fuse blows immediately, investigate the underlying electrical issue rather than repeatedly replacing the fuse.

Following these safety precautions ensures reliable operation and protects both the vehicle and technician during electrical maintenance.

Frequently Asked Questions

Where can I find the fuse box diagram for a 1986 Ford F150?

The fuse box diagram for a 1986 Ford F150 can typically be found in the owner's manual or on the inside cover of the fuse box itself. Additionally, online forums and Ford service manuals also provide detailed diagrams.

What are the main fuses shown in the 1986 Ford F150 fuse box diagram?

The main fuses in the 1986 Ford F150 fuse box diagram usually include fuses for the headlights, horn, radio, ignition, fuel pump, and interior lights. The exact layout can vary depending on the truck's configuration.

How many fuses are there in the 1986 Ford F150 fuse box?

The 1986 Ford F150 fuse box generally contains around 10 to 15 fuses, covering various electrical components such as lights, gauges, and ignition system.

Is the fuse box diagram for the 1986 Ford F150 available online?

Yes, the fuse box diagram for the 1986 Ford F150 is available online on automotive forums, repair websites, and sometimes on Ford's official or enthusiast sites.

Can I use the 1986 Ford F150 fuse box diagram for other F150 model years?

While some fuse box layouts are similar across model years, it is recommended to use the exact fuse box diagram for the 1986 Ford F150 to ensure accuracy, as fuse locations and functions can change

between years.

What should I do if a fuse keeps blowing in my 1986 Ford F150?

If a fuse keeps blowing, it indicates a short circuit or an overloaded circuit. Check the wiring and connected components for damage or faults, and replace the fuse with the correct amperage as specified in the fuse box diagram.

How do I identify a blown fuse using the 1986 Ford F150 fuse box diagram?

Use the fuse box diagram to locate the specific fuse related to the malfunctioning system. Remove the fuse and inspect it; a blown fuse will have a broken metal strip inside. Replace it with a fuse of the same rating.

Are relays included in the 1986 Ford F150 fuse box diagram?

Yes, the fuse box diagram for the 1986 Ford F150 often includes relays for systems like the fuel pump or headlights, and their locations and functions are typically indicated in the diagram.

Can a faulty fuse box cause electrical issues in a 1986 Ford F150?

Yes, a faulty fuse box can cause various electrical problems including intermittent power loss, non-functional accessories, or starting issues. Inspecting the fuse box and using the diagram can help diagnose such problems.

Additional Resources

1. Ford F150 Electrical Systems: A Comprehensive Guide

This book provides an in-depth look at the electrical systems of Ford F150 trucks, with a special focus on models from the 1980s. It includes detailed diagrams, troubleshooting tips, and maintenance advice to help owners understand and repair their vehicle's wiring and fuse boxes. Ideal for both beginners and experienced mechanics.

2. Classic Ford Trucks: Maintenance and Repair Manual

Covering a range of Ford trucks from the 1970s and 1980s, this manual offers step-by-step instructions on routine maintenance and complex repairs. It features detailed fuse box diagrams and wiring schematics, making it a valuable resource for owners of a 1986 Ford F150. The book also includes tips on upgrading electrical components safely.

3. Automotive Fuse Boxes and Wiring Diagrams: Ford Edition

Designed for automotive enthusiasts and professionals, this book focuses exclusively on fuse box layouts and wiring diagrams for Ford vehicles. It provides clear illustrations and explanations to help readers identify and fix electrical issues in their Ford F150 trucks. The 1986 model is covered thoroughly, with attention to common fuse-related problems.

4. Ford F-Series Pickup Repair Guide

This repair guide covers all Ford F-Series trucks, including the 1986 F150, and offers detailed sections on electrical systems and fuse boxes. It includes practical advice on diagnosing electrical faults, replacing fuses, and understanding circuit layouts. The book is well-illustrated and easy to navigate for DIY repairs.

5. Understanding Automotive Electrical Systems: Ford F150 Focus

Aimed at helping readers grasp the fundamentals of automotive electrical systems, this book uses the Ford F150 as a case study. It breaks down complex concepts into understandable parts, with specific chapters on fuse box diagrams and troubleshooting electrical failures. The 1986 Ford F150 is featured prominently to illustrate classic wiring designs.

6. Vintage Ford F150 Restoration Handbook

Perfect for those restoring a 1986 Ford F150, this handbook offers guidance on bringing classic trucks back to life. It includes original fuse box diagrams, wiring color codes, and tips for preserving or upgrading the electrical system while maintaining authenticity. The book also covers other restoration essentials for vintage Ford pickups.

7. DIY Electrical Repairs for Ford Trucks

This practical book empowers Ford truck owners to handle their own electrical repairs, focusing on common issues like fuse box malfunctions. It features detailed diagrams from various years, including the 1986 F150, and provides troubleshooting steps and safety precautions. Readers will gain confidence in diagnosing and fixing their vehicle's electrical problems.

8. Ford F150 Wiring and Fuse Box Troubleshooting Guide

Dedicated to solving electrical problems in Ford F150 trucks, this guide offers a clear and concise approach to troubleshooting wiring and fuse box issues. It includes comprehensive diagrams for the 1986 model and explains how to test and replace fuses correctly. This book is a must-have for anyone dealing with electrical faults in their Ford pickup.

9. The Complete Ford F-Series Electrical Repair Manual

Covering all generations of the Ford F-Series, this manual provides extensive information on electrical repairs, including fuse box layouts, wiring harnesses, and component testing. The 1986 Ford F150 is covered in detail, with specific chapters dedicated to its unique electrical configuration. It serves as a thorough reference for professional mechanics and hobbyists alike.

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