

compustar 7900as installation manual

Compustar 7900AS Installation Manual: A Comprehensive Guide

Understanding the Compustar 7900AS installation manual is crucial for anyone looking to properly integrate this advanced remote start and security system into their vehicle. This detailed guide will walk you through every aspect of the installation process, from initial wiring and component placement to programming and final testing. Whether you are a seasoned installer or a DIY enthusiast, this article aims to provide a clear, step-by-step approach to ensuring a successful and reliable Compustar 7900AS setup, covering everything from vehicle compatibility and required tools to specific wiring diagrams and troubleshooting common issues. With the right knowledge from the Compustar 7900AS installation manual, you can confidently install this feature-rich system.

- Introduction to the Compustar 7900AS
- Understanding the Compustar 7900AS Installation Manual
- Essential Tools and Materials for Compustar 7900AS Installation
- Pre-Installation Checklist: Vehicle Compatibility and System Review
- Step-by-Step Compustar 7900AS Installation Procedures
- Wiring the Compustar 7900AS: Diagrams and Explanations
- Mounting and Securing Compustar 7900AS Components
- Programming and Configuration of the Compustar 7900AS
- Testing and Troubleshooting Your Compustar 7900AS Installation
- Maintaining Your Compustar 7900AS System

Introduction to the Compustar 7900AS System

The Compustar 7900AS represents a significant advancement in vehicle remote start and security technology. Designed for robust performance and user convenience, this system offers a comprehensive suite of features to enhance your driving experience and protect your investment. From reliable remote start capabilities, allowing you to warm up or cool down your vehicle before you even step inside, to advanced security protocols that deter theft and

unauthorized access, the 7900AS is built to impress. Its intuitive interface and sophisticated internal workings make it a popular choice for both professional installers and dedicated DIYers seeking to upgrade their vehicle's functionality and security. This article serves as a guide to help you navigate the intricacies of its installation and operation.

Understanding the Compustar 7900AS Installation Manual

The Compustar 7900AS installation manual is your primary resource for a successful setup. It's a technical document that meticulously outlines every requirement, connection, and programming step needed to integrate the system into your vehicle. This manual is not just a set of instructions; it's a blueprint for understanding the electrical systems of your car and how the Compustar 7900AS interfaces with them. Without thoroughly reviewing and comprehending the information within the manual, attempting an installation can lead to errors, system malfunctions, or even damage to your vehicle's electronics. Prioritizing a deep understanding of the manual's contents is the first and most critical step in the installation process.

Purpose and Importance of the Installation Manual

The primary purpose of the Compustar 7900AS installation manual is to provide clear, accurate, and comprehensive guidance for technicians and vehicle owners. It ensures that the system is installed correctly, maximizing its performance, reliability, and longevity. Improper installation can result in a variety of issues, including the remote start not functioning, security features failing, or even electrical problems within the vehicle. Therefore, the manual is indispensable for avoiding these pitfalls and achieving the intended functionality of the Compustar 7900AS.

Navigating the Manual: Key Sections

The manual is typically organized into several key sections, each addressing a specific phase of the installation. You will find sections dedicated to system components, wiring diagrams, vehicle-specific information, programming procedures, and troubleshooting tips. Familiarizing yourself with the structure of the manual will help you locate the information you need quickly and efficiently. Understanding the flow from pre-installation checks to post-installation testing is essential for a smooth process.

Essential Tools and Materials for Compustar 7900AS Installation

Before you begin the actual installation of your Compustar 7900AS system, it's imperative to gather all the necessary tools and materials. Having everything on hand will streamline the process and prevent frustrating interruptions. The Compustar 7900AS installation manual will list specific requirements, but a general overview of common tools is helpful. This includes basic automotive tools, specialized wiring tools, and diagnostic equipment.

Commonly Required Tools

- Wire strippers and crimpers
- Assorted screwdrivers (Phillips, flathead)
- Socket set and wrenches
- Wire taps and connectors (e.g., butt connectors, spade connectors)
- Electrical tape (high-quality, insulating tape)
- Zip ties for cable management
- Multimeter for testing voltage and continuity
- Drill and drill bits (if any panel modifications are needed)
- Panel removal tools to avoid damaging interior trim
- Soldering iron and solder (optional but recommended for more secure connections)
- Heat shrink tubing for insulating soldered connections

Recommended Materials and Accessories

Beyond tools, certain materials are crucial for a professional and reliable installation. The Compustar 7900AS installation manual may specify particular types of connectors or wiring harnesses, but generally, having high-quality automotive-grade wiring is essential. This ensures durability and proper conductivity. You'll also need a secure way to mount the control modules and antennas. The manual often details the best locations, but having extra

wiring and mounting hardware can be beneficial.

Pre-Installation Checklist: Vehicle Compatibility and System Review

A thorough pre-installation check is a non-negotiable step outlined in the Compustar 7900AS installation manual. This phase ensures that your vehicle is compatible with the system and that you have all the necessary components and information before you start cutting wires or removing panels. Skipping this step can lead to significant problems down the line, such as the system not functioning correctly or causing electrical issues in your vehicle.

Verifying Vehicle Compatibility

The Compustar 7900AS installation manual will contain a section on vehicle compatibility. This is critical because different vehicles have varying electrical systems, ignition types (e.g., key start, push-to-start), and anti-theft mechanisms. Some vehicles may require specific bypass modules or interface kits to function correctly with the Compustar 7900AS. It is essential to consult the manual and potentially Compustar's official compatibility checker to confirm that the 7900AS is suitable for your specific make, model, and year of vehicle.

System Components and Documentation Check

Before beginning the installation, unpack your Compustar 7900AS kit and carefully review all the components against the list provided in the Compustar 7900AS installation manual. Ensure that you have the main control module, remote transceivers, antennas, wiring harnesses, user manuals, and any included bypass modules or accessories. Verify that all components are in good condition and free from damage. It's also wise to have a copy of your vehicle's wiring diagrams readily available, which may or may not be included with the Compustar manual but are often crucial for accurate connections.

Step-by-Step Compustar 7900AS Installation Procedures

The core of the Compustar 7900AS installation manual lies in its detailed, step-by-step instructions. These steps are designed to guide you through the physical installation process, from accessing the vehicle's wiring to securing all components. Following these instructions precisely is paramount for a successful and safe installation.

Disconnecting the Vehicle Battery

As a safety precaution, the very first physical step in any automotive electronic installation is to disconnect the negative terminal of your vehicle's battery. This prevents short circuits and protects both you and the vehicle's electrical system from damage. The Compustar 7900AS installation manual will emphasize this step, and it should never be overlooked. Ensure the battery is disconnected before proceeding with any wiring connections.

Identifying and Accessing Vehicle Wiring

This is often the most challenging part of the installation, requiring you to locate specific wires within your vehicle's electrical system, such as ignition, starter, accessory, brake, and parking light wires. The Compustar 7900AS installation manual will typically provide diagrams and descriptions to help you identify these wires, often by their color code and location within specific wiring harnesses (e.g., the ignition harness, steering column harness). Patience and meticulousness are key here.

Making Electrical Connections

Once the correct wires are identified, you will need to make secure electrical connections between the Compustar 7900AS wiring harness and your vehicle's wiring. The manual will detail which wires from the Compustar unit connect to which vehicle wires. It's important to use appropriate connectors (crimps, solders, or proprietary T-harnesses if available) and ensure all connections are well-insulated to prevent corrosion and short circuits. The Compustar 7900AS installation manual will provide specific guidance on the type of connections recommended for optimal reliability.

Mounting the Control Module and Antennas

The location of the main control module and the remote starter antenna is critical for system performance. The Compustar 7900AS installation manual will offer suggestions for mounting these components in discreet yet accessible locations, ensuring that the antenna has a clear line of sight for optimal remote signal reception. Secure mounting prevents them from rattling or becoming disconnected due to vibrations.

Wiring the Compustar 7900AS: Diagrams and Explanations

The wiring section of the Compustar 7900AS installation manual is the most complex and often requires the most attention to detail. It translates the

system's functionality into a series of electrical connections that must be made accurately within your vehicle.

Understanding the Compustar 7900AS Wiring Harness

Each Compustar 7900AS kit comes with a primary wiring harness, and potentially sub-harnesses for specific functions or bypass modules. The manual will clearly label each wire on the Compustar harness and explain its function (e.g., +12V constant, ignition 1, starter, accessory, ground, door lock/unlock, trunk release, parking lights, brake input, etc.). It's vital to understand what each wire is responsible for before making any connections.

Key Connections Explained

The Compustar 7900AS installation manual will detail connections for critical functions:

- **Constant 12V Input:** This is the main power source for the Compustar unit, usually connected to a constant 12V source in the vehicle's fuse box.
- **Ignition Input:** This connection monitors the vehicle's ignition status and is typically connected to the ignition wire of the vehicle.
- **Starter Output:** This wire sends the signal to crank the vehicle's starter motor. It's a critical connection that must be made accurately.
- **Accessory Output:** This connection powers accessories like the radio or climate control when the remote start is engaged.
- **Brake Input:** The system needs to know when the brake pedal is pressed for safety reasons. This connection ensures the engine disengages safely.
- **Parking Light Output:** This allows the system to flash the parking lights to indicate when the vehicle is armed, disarmed, or running via remote.
- **Door Lock/Unlock and Trunk Release:** These connections integrate the Compustar 7900AS with your vehicle's factory power door locks and trunk release mechanisms.
- **Ground Connection:** A clean, solid ground connection to the vehicle's chassis is essential for the proper operation of any electronic device.

Wiring Diagrams and Color Codes

The Compustar 7900AS installation manual will feature detailed wiring diagrams. These diagrams visually represent how the Compustar unit's wires connect to the vehicle's wiring. Pay close attention to wire colors and pin assignments. If your vehicle's wire colors differ from those listed in the manual, using a multimeter to verify the function of each wire is crucial.

Mounting and Securing Compustar 7900AS Components

Proper mounting and securing of the Compustar 7900AS components are vital for system longevity and reliability. The Compustar 7900AS installation manual provides guidance on the best practices for placement to ensure optimal performance and protection against environmental factors and physical stress.

Choosing the Right Location for the Control Module

The control module is the brain of the system. The Compustar 7900AS installation manual recommends mounting it in a location that is protected from moisture and extreme temperatures, typically within the vehicle's cabin. It should be secured firmly to a solid surface, such as under the dashboard or behind a kick panel, using zip ties or Velcro straps to prevent movement. Ensuring it's not easily accessible to unauthorized persons is also a consideration for security.

Antenna Placement for Optimal Range

The antenna is responsible for receiving signals from your remote and transmitting them to the Compustar 7900AS unit. The Compustar 7900AS installation manual will specify the ideal placement for the antenna to maximize its range and reliability. This usually involves mounting it on the windshield behind the rearview mirror, ensuring it has a clear, unobstructed path to the outside. Avoid placing it near metal objects or other electronic devices that could cause interference.

Managing Wiring Harnesses

Once all connections are made, it's essential to neatly manage and secure the wiring harnesses. The Compustar 7900AS installation manual advises using zip ties to bundle wires together and route them away from moving parts, sharp edges, and heat sources. This not only creates a cleaner installation but also prevents wires from fraying or becoming damaged, ensuring the long-term integrity of the system.

Programming and Configuration of the Compustar 7900AS

After the physical installation is complete, the Compustar 7900AS installation manual guides you through the crucial programming and configuration steps. This phase tailors the system's extensive features to your specific vehicle and personal preferences.

Entering Programming Mode

The manual will detail the specific sequence of button presses or ignition key turns required to enter the system's programming mode. This is a critical step that allows you to access various settings and options. Ensure you follow the exact procedure as outlined in the Compustar 7900AS installation manual to avoid errors.

Configuring System Features

The Compustar 7900AS offers a wide array of customizable features, such as remote start run time, lock/unlock confirmation chirps, horn honk settings, and safety features. The Compustar 7900AS installation manual will provide a table or list of programmable options, each with a code or setting you can adjust. You will navigate through these options using the remote or specific button sequences as described.

Remote and Transponder Programming

This involves pairing your Compustar remotes with the control module so they can communicate. The Compustar 7900AS installation manual will guide you through the process of "teaching" the system your remotes. If your vehicle has a factory transponder key immobilizer system, you may also need to program a bypass module or a spare key into the Compustar system to allow the engine to start remotely. This is a critical step for keyless entry and remote start functionality on many modern vehicles.

Setting Up Safety Features

The Compustar 7900AS installation manual will highlight essential safety configurations. This includes setting up the brake pedal switch input, ensuring the vehicle cannot be driven away while in remote start mode, and configuring any alarm or notification settings to alert you in case of a security breach. These settings are paramount for safe operation.

Testing and Troubleshooting Your Compustar 7900AS Installation

Once programming is complete, the final stage involves thorough testing to ensure all functions of the Compustar 7900AS are operating correctly. The Compustar 7900AS installation manual provides troubleshooting tips for common issues you might encounter.

Functionality Tests

Perform a series of tests to verify each feature:

- **Remote Start:** Test starting the vehicle remotely. Check that the engine starts smoothly and runs for the programmed duration.
- **Remote Lock/Unlock:** Test locking and unlocking the vehicle doors using the remote.
- **Trunk Release:** If connected, test the trunk release function.
- **Parking Lights:** Verify that the parking lights flash correctly during arming/disarming or remote start.
- **Brake Pedal Safety:** While the engine is running remotely, press the brake pedal to ensure the engine shuts off immediately.
- **Alarm Functions:** If the alarm is armed, simulate a trigger (e.g., open a door) to see if the siren sounds and the lights flash.

The Compustar 7900AS installation manual will have a detailed checklist for these tests.

Common Troubleshooting Scenarios

If any functions are not working as expected, consult the troubleshooting section of the Compustar 7900AS installation manual. Common issues might include:

- **Remote not responding:** Check battery in the remote, antenna connection, and programming of the remote.
- **Vehicle not starting:** Re-verify all wiring connections, especially the starter and ignition wires, and ensure the programming is correct, including any necessary bypass modules.

- **Doors not locking/unlocking:** Check the lock/unlock wiring connections and ensure they are compatible with your vehicle's system.
- **System errors or warning lights:** This often indicates an incorrect connection or a faulty component. Review the manual for error code interpretations.

If you are unable to resolve an issue, seeking assistance from a professional installer or Compustar support is recommended.

Maintaining Your Compustar 7900AS System

While the Compustar 7900AS is designed for reliability, proper maintenance ensures its continued optimal performance. The Compustar 7900AS installation manual may offer some basic maintenance tips, but general care is also important.

Periodic Checks

Regularly check all wiring connections, especially if you hear any unusual noises or experience intermittent functionality. Ensure that the antenna is still securely mounted and that no wires have become loose or damaged. Periodically check the batteries in your remote fobs and replace them as needed.

Software Updates and Recalls

Compustar occasionally releases firmware updates or may issue recalls for specific components. It's a good practice to stay informed about any available updates or advisories from Compustar that might enhance your system's performance or address potential issues. While the installation manual might not cover this, checking the manufacturer's website periodically is beneficial.

Frequently Asked Questions

Where can I find the official Compustar 7900AS installation manual online?

The official Compustar 7900AS installation manual is typically available for download directly from the Compustar website, often in their support or product documentation section. You might also find it linked through

authorized dealer websites.

What are the most common wires I need to identify for a Compustar 7900AS installation?

Commonly identified wires include 12V constant, ignition, starter, accessory, parking lights, door triggers (positive or negative), trunk/hood pins, and brake switch. Always refer to the specific vehicle's wiring diagrams and the 7900AS manual for exact locations and colors.

Does the Compustar 7900AS manual cover remote start diagnostics or troubleshooting?

Yes, the Compustar 7900AS installation manual usually includes a troubleshooting section that addresses common issues and diagnostic procedures, often detailing error codes or flashing patterns from the system's LEDs.

What is the typical connection method for the Compustar 7900AS to the vehicle's immobilizer system?

Connecting to the immobilizer system often involves using a bypass module, such as the iDataStart or Directed DB3, which is programmed with the vehicle's immobilizer data. The manual will outline the specific connections required between the 7900AS and the bypass module.

Are there specific instructions in the Compustar 7900AS manual for programming the remote to the system?

Absolutely. The manual provides step-by-step instructions for pairing the remote transmitter with the Compustar 7900AS control unit. This usually involves a specific sequence of button presses or ignition key turns.

What safety precautions should I be aware of when installing the Compustar 7900AS, as per the manual?

The manual strongly emphasizes safety. Key precautions include disconnecting the vehicle battery before starting, avoiding routing wires near moving parts or hot surfaces, and ensuring all connections are secure and insulated to prevent shorts and fire hazards.

Does the Compustar 7900AS manual explain how to

connect to modern CAN bus systems?

Yes, for vehicles equipped with CAN bus systems, the Compustar 7900AS manual will detail how to interface with the vehicle's network, often requiring a CAN bus interface module. It will specify which CAN bus wires to tap into and how to configure the module.

What is the purpose of the 'parking brake wire' connection in the Compustar 7900AS installation?

The parking brake wire connection is a crucial safety feature. It ensures that the remote start system will only engage the remote start function when the vehicle's parking brake is securely engaged, preventing accidental movement.

Can I find wiring diagrams specific to my vehicle in the Compustar 7900AS manual?

While the Compustar 7900AS manual provides general wiring principles and diagrams for the unit itself, it typically does not include vehicle-specific wiring diagrams. You will need to consult a separate vehicle wiring database or service manual for your specific make and model.

How does the Compustar 7900AS manual explain the 'hood pin' or 'door lock' outputs?

The manual will detail the function and wiring of the hood pin input (to prevent remote starting with the hood open) and the door lock/unlock outputs. It will specify the polarity (positive/negative) and current capabilities of these outputs for proper connection to the vehicle's actuators or door lock modules.

Additional Resources

Here are 9 book titles related to the Compustar 7900AS installation manual, each beginning with *and followed by a short description:*

1. The Art of Automotive Remote Start Installation

This book delves into the fundamental principles and advanced techniques required for successfully installing remote car starters. It covers essential electrical concepts, wiring best practices, and troubleshooting common issues encountered during installations. Readers will gain a comprehensive understanding of how these systems integrate with a vehicle's existing electronics for reliable operation.

2. Understanding Vehicle Electrical Systems for Installers

A crucial resource for anyone working with automotive electronics, this guide

breaks down the complexities of vehicle wiring harnesses, power delivery, and control modules. It explains how to safely tap into and manipulate these systems without causing damage. The book equips installers with the knowledge to confidently identify relevant circuits for remote start integration.

3. Remote Start System Integration: A Practical Guide

This manual focuses specifically on the practical aspects of integrating aftermarket remote start systems, like the Compustar 7900AS, into a wide range of vehicle makes and models. It provides step-by-step procedures for common connection points, bypass modules, and programming sequences. The aim is to demystify the process and empower installers with practical solutions.

4. Diagnosing and Troubleshooting Car Alarm and Remote Start Issues

For installers facing challenges, this book offers a systematic approach to diagnosing and resolving common problems encountered with car alarm and remote start systems. It covers symptom analysis, diagnostic tools, and effective repair strategies. Mastering these troubleshooting techniques ensures customer satisfaction and system longevity.

5. Wiring Diagrams and Color Codes for Automotive Electronics

A fundamental reference, this book provides detailed wiring diagrams and explains the industry-standard color coding used in automotive electrical systems. Understanding these conventions is paramount for accurate and safe connections during installations. It serves as an indispensable companion to any installation manual.

6. Advanced Security and Convenience Features in Modern Vehicles

This book explores the integrated security and convenience systems found in today's vehicles, which often interact with aftermarket installations. It highlights potential conflicts or synergies when adding components like remote starters. Knowledge of these factory systems is vital for a seamless and professional installation.

7. The Compustar 7900AS: Installation and Configuration Secrets

This title zeroes in on the specific intricacies of the Compustar 7900AS, offering deeper insights beyond the basic manual. It covers advanced configuration options, specialized bypass solutions, and less common wiring scenarios. Installers will find valuable tips for optimizing the system's performance and features.

8. Automotive Electronics Safety and Best Practices

Prioritizing safety and adherence to industry standards is paramount in automotive installations. This book outlines essential safety precautions, proper tool usage, and best practices for handling vehicle electronics. It ensures that installations are not only functional but also safe and compliant.

9. From Manual to Master Installer: A Compustar Journey

Designed for those aspiring to become expert installers, this book takes readers on a progressive learning path. It starts with the foundational knowledge derived from an installation manual and builds towards mastering

complex installations and custom solutions. The focus is on developing a deep understanding and practical expertise in the field.

Compustar 7900as Installation Manual

Compustar 7900as Installation Manual

Related Articles

- [containing communism answer key](#)
- [colleen hoover never never](#)
- [consumer behavior and marketing strategy](#)

[Back to Home](#)