

90155 Tekonsha Installation Guide

90155 Tekonsha Prodigy P2 Brake Controller Installation Guide: A Comprehensive Overview

The Tekonsha Prodigy P2 (part number 90155) is a popular and highly-rated electric brake controller known for its ease of use and reliable performance. This comprehensive guide delves into the 90155 Tekonsha installation guide, providing step-by-step instructions, troubleshooting tips, and answers to frequently asked questions. Whether you're a seasoned DIY enthusiast or a novice tackling your first brake controller installation, this guide will equip you with the knowledge you need for a successful setup. Understanding the intricacies of **Tekonsha Prodigy P2 wiring** and the **90155 brake controller installation** process is crucial for safe towing.

Understanding the Tekonsha Prodigy P2 (90155)

Before diving into the installation, let's understand the key features and benefits of the Tekonsha Prodigy P2 brake controller:

- **Proportional Braking:** This crucial feature adjusts braking power based on your vehicle's deceleration, providing smooth and controlled stops. This is a key differentiator compared to simpler, non-proportional controllers.
- **User-Friendly Interface:** The Prodigy P2 boasts a simple, intuitive interface, making adjustments easy even for first-time users. The clear digital display and easily accessible controls simplify the **90155 Tekonsha setup**.
- **Compact Design:** Its compact size makes it easy to install and integrate into your vehicle's dashboard.
- **Power Management:** The controller effectively manages power distribution to ensure consistent braking performance.
- **Easy Installation (with proper guidance):** While installation requires some technical knowledge, following a detailed guide like this significantly streamlines the process.

90155 Tekonsha Installation: A Step-by-Step Guide

The precise steps for installing the 90155 Tekonsha Prodigy P2 might vary slightly based on your vehicle's specific wiring and configuration. However, these general steps provide a solid foundation:

1. **Gather Your Tools and Materials:** You'll need a suitable wiring harness (often sold separately and compatible with your specific vehicle's year and make), wire strippers, crimp connectors, electrical tape, a multimeter (for testing wiring), and the 90155 Tekonsha Prodigy P2 brake controller itself. Understanding your vehicle's **wiring diagram** is paramount.
2. **Choose Your Mounting Location:** Select a location on your dashboard that provides easy access to the controls and won't obstruct your view or interfere with other controls. Ensure the mounting location offers sufficient clearance for the wiring harness.
3. **Wire the Controller:** This is the most crucial step. Carefully follow the wiring diagram provided with your Tekonsha Prodigy P2 and your vehicle's wiring diagram. Incorrect wiring can lead to malfunction or even damage to your vehicle's electrical system. The **90155 Tekonsha wiring diagram** should be your bible during this stage. Take your time, double-check your connections, and use appropriate connectors and tape to secure the wires.
4. **Connect to the Tow Vehicle's Battery:** The controller typically requires a connection to the vehicle's battery for power. Follow the instructions provided to connect the positive and negative leads safely and securely.
5. **Connect to the Trailer Wiring Harness:** This connects the brake controller to the trailer's braking system. Pay close attention to the wiring diagram to ensure correct connections.
6. **Test the Installation:** Once everything is connected, test the brake controller with a trailer connected to verify functionality. Apply the brakes gradually and check the responsiveness of the trailer brakes. Address any issues immediately and refer to the troubleshooting section below.

Troubleshooting Common 90155 Tekonsha Installation Issues

Even with careful installation, issues can arise. Here are some common problems and solutions:

- **No Power to the Controller:** Check the battery connections and fuses.
- **Intermittent Braking:** Check all wiring connections for loose or damaged wires.
- **Inconsistent Braking Power:** Adjust the controller's sensitivity settings.
- **Overheating:** Ensure proper ventilation around the controller.

If problems persist, consult the **Tekonsha Prodigy P2 troubleshooting guide** or contact Tekonsha customer support.

Benefits of Using the Tekonsha Prodigy P2 (90155)

The 90155 Tekonsha Prodigy P2 offers numerous advantages over other brake controllers:

- **Improved Safety:** Provides consistent and controlled braking for safer towing.

- **Enhanced Driving Experience:** Smooth braking reduces sway and improves overall handling while towing.
- **Easy-to-Use Interface:** Simple adjustments make operation straightforward for both experienced and novice users.
- **Reliable Performance:** The Prodigy P2 is known for its reliability and durability.

Conclusion: Mastering Your 90155 Tekonsha Installation

Installing a brake controller, while requiring attention to detail, is a rewarding experience that enhances towing safety and convenience. This guide, focusing on the 90155 Tekonsha Prodigy P2 installation, has provided a comprehensive overview of the process, from understanding the controller's features to troubleshooting potential issues. Remember to always prioritize safety and consult the manufacturer's instructions for detailed guidance specific to your vehicle and trailer configuration. Proper installation of your 90155 Tekonsha ensures safe and enjoyable towing experiences.

Frequently Asked Questions (FAQs)

Q1: Do I need professional installation for the Tekonsha Prodigy P2 (90155)?

A1: While not strictly mandatory, professional installation is recommended, especially for those unfamiliar with automotive electrical systems. Improper installation can lead to safety hazards and electrical damage.

Q2: What is the warranty on the 90155 Tekonsha Prodigy P2?

A2: Tekonsha typically offers a warranty on their products; check the specifics on their website or the product packaging for the exact terms and conditions.

Q3: Can I install this brake controller in any vehicle?

A3: The 90155 is compatible with many vehicles, but compatibility depends on the vehicle's electrical system and wiring. Consult the Tekonsha website or your vehicle's manual to verify compatibility.

Q4: How do I adjust the braking power on the Tekonsha Prodigy P2?

A4: The Prodigy P2 has a user-friendly interface with easily accessible controls to adjust the braking power based on your specific towing requirements and trailer weight. Refer to the user manual for specific instructions.

Q5: What happens if I don't install a brake controller?

A5: Towing without a brake controller can be extremely dangerous. It significantly reduces your ability to control the trailer during braking, potentially leading to accidents.

Q6: Where can I find a wiring diagram for my specific vehicle and the 90155 Tekonsha?

A6: You can usually find wiring diagrams in your vehicle's owner's manual, or you can search online for your vehicle's make, model, and year, along with "wiring diagram" or "trailer wiring diagram." Tekonsha might also provide compatibility information and supplementary diagrams on their website.

Q7: What should I do if my trailer brakes aren't working correctly after installation?

A7: Systematically check all connections, starting from the trailer's brake lights and working backward to the brake controller. Ensure all fuses are intact and that the controller is properly configured. If the problem persists, consult a professional.

Q8: Is there a difference between the Tekonsha Prodigy P2 and other brake controllers?

A8: Yes, there are many brake controllers on the market, varying in features, complexity, and price point. The Prodigy P2 is known for its balance of ease of use, performance, and price. Other controllers may offer additional features or simpler designs, depending on individual needs.

Mastering the 90155 Tekonsha Installation Guide: A Comprehensive Walkthrough

This article serves as your guide to successfully fitting the Tekonsha 90155 brake system. This sought-after apparatus is a key component for many wagons, providing trustworthy stopping power and boosting overall protection on the highway. We'll analyze every detail of the installation method, from initial setup to concluding checks.

Understanding the 90155 Tekonsha System:

Before commencing on the installation, it's important to understand the functionality of the Tekonsha 90155. This unit is a balanced brake mechanism which signifies that the braking force applied to the carriage is matched to the braking force imparted to the hauling vehicle. This prevents excessive braking and ensures safer braking. The 90155 features a variety of settings that allow you to personalize the stopping reaction to accord with your specific specifications.

Step-by-Step Installation Guide:

The following is a detailed summary of the installation method. Always refer the official 90155 Tekonsha installation manual for accurate

directions and safety precautions.

1. **Pre-installation:** This comprises gathering all the essential tools and components, ensuring the electrical connections plan, and preparing the attachment area.

2. **Positioning the unit:** This typically involves identifying a appropriate location within your vehicle and fixing the device using the supplied attachments.

3. **Electrical connections:** This is potentially the most important element of the installation. Thoroughly follow the circuitry diagram to join all the conductors to the proper connectors. Incorrect cabling can lead malfunction.

4. **Connecting the brake line:** Carefully follow the instructions to attach the stopping conductor from the controller to your caravan's braking system. Ensure there are no drips. Purging the stopping pipes is generally necessary to expel any voids trapped within the mechanism.

5. **Checking:** Once mounting is finished, it's crucial to carefully test the unit to ensure it's functioning correctly. This commonly involves adjusting the sensitivity adjustments on the unit to get the best braking output.

Best Practices and Troubleshooting:

- Always detach the car's power source before starting any electrical work.
- Use appropriate equipment to prevent harm.
- Consult the maker's advice for specific mounting recommendations.
- If you discover any challenges during mounting, consult the remedy part in the booklet or contact Tekonsha's service center.

Conclusion:

The mounting of the 90155 Tekonsha stopping system might look intimidating at first, but by adhering to these stages and taking your effort, you can successfully end the technique. Remember, safety is essential, so always highlight careful work and double-check your joints. A correctly mounted 90155 device will noticeably boost the safety and maneuverability of your caravan towing arrangement.

Frequently Asked Questions (FAQ):

Q1: Can I install the 90155 Tekonsha myself, or do I need a professional?

A1: While many individuals effectively install the 90155 themselves, it needs some mechanical aptitude. If you're hesitant with cabling work or hydraulic units, it's best to get professional assistance.

Q2: What tools will I need for installation?

A2: You'll need a range of basic equipment, including screwdrivers, connectors, and possibly a brake conductor flusher set. Refer to the 90155 Tekonsha installation manual for a detailed list.

Q3: What if I have problems after installation?

A3: First, review the diagnostics chapter in the 90155 Tekonsha installation instructions. If the issue lasts, contact Tekonsha's service center for assistance.

Q4: How often should I inspect the 90155 Tekonsha system?

A4: Regular inspection is recommended. Check the electrical connections for wear and ensure there are no effusions in the brake tube. The oftenness of verification depends on usage but at least once a year before any prolonged journey.

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