

Tekonsha 118685

Tekonsha T-One T-Connector Harness 4-Way Flat for Toyota Tacoma (Model 118685) Instruction Manual

Model: 118685 | Brand: Tekonsha

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1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Tekonsha T-One T-Connector Harness, Model 118685. This 4-way flat wiring harness is designed to provide a reliable electrical connection for trailer lighting on select Toyota Tacoma vehicles, simplifying the process by eliminating the need for cutting or splicing vehicle wires.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. Failure to follow these instructions could result in property damage, injury, or death.

- **Disconnect Vehicle Battery:** Before beginning any electrical work, disconnect the vehicle's negative battery terminal to prevent accidental short circuits.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as safety glasses and gloves.
- **Verify Compatibility:** Ensure this product is compatible with your specific vehicle make, model, and year before installation.
- **Professional Installation:** If you are unsure about any step, seek assistance from a qualified automotive technician.
- **Secure Wiring:** Properly route and secure all wiring to prevent chafing, pinching, or contact with hot or moving parts.
- **Test Connections:** After installation, thoroughly test all trailer lighting functions (turn signals, brake lights, tail lights) before towing.

3. PACKAGE CONTENTS

Verify that all components are present before starting the installation:

- Tekonsha 118685: T-One T-Connector Harness, 4-Way Flat
- Installation Hardware (e.g., zip ties, fuse, connectors, ground screw)

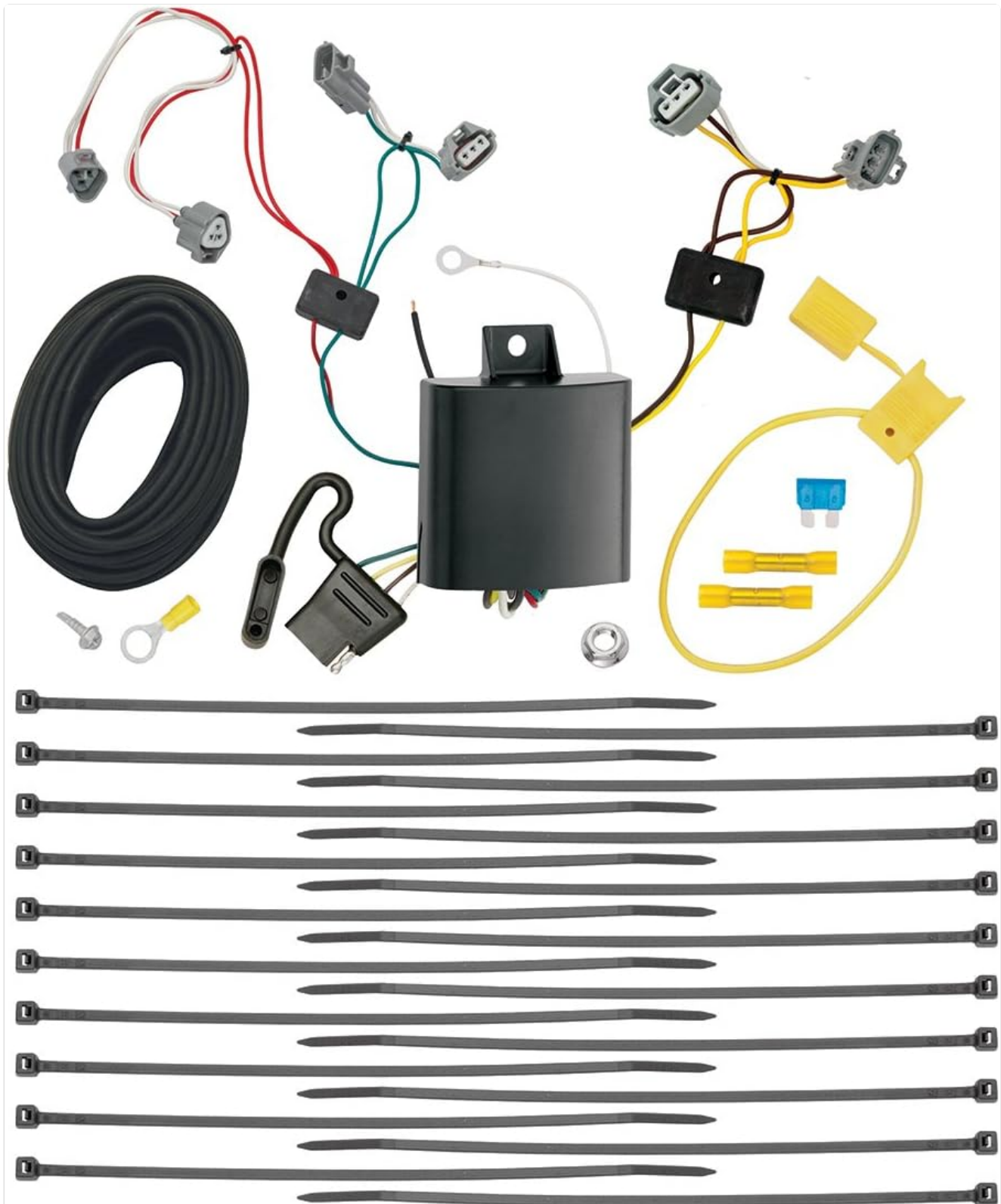


Image 3.1: Complete Tekonsha T-One T-Connector Harness kit, including the main module, wiring, 4-way flat connector, fuse holder, and various installation accessories like zip ties and terminals.

4. SETUP & INSTALLATION

The Tekonsha T-One T-Connector Harness is designed for a straightforward, plug-and-play installation. No cutting or splicing of vehicle wires is required.

4.1 Tools Required

- Basic hand tools (e.g., screwdriver, wrench)
- Wire crimpers (if using included terminals)
- Test light or multimeter
- Dielectric grease (recommended)

4.2 Installation Steps

1. **Prepare Vehicle:** Ensure the vehicle is turned off and the parking brake is engaged. Disconnect the negative battery terminal.
2. **Access Tail Light Wiring:** Locate and remove the tail light assemblies on your Toyota Tacoma. This typically involves removing a few screws and carefully pulling the assembly away from the vehicle body.
3. **Locate Vehicle Harness Connector:** Behind each tail light, identify the vehicle's existing wiring harness connector.
4. **Connect T-Connector:** Unplug the vehicle's harness connector. Insert the corresponding ends of the T-One T-Connector into the vehicle's harness and the tail light assembly, ensuring a secure connection. Repeat for both sides of the vehicle.
5. **Mount ModuLite HD Module:** Find a secure, dry location within the vehicle's rear cargo area or behind the bumper to mount the ModuLite HD module. Use the provided zip ties or screws.
6. **Route Power Wire:** Route the power wire (typically red) from the ModuLite HD module to the vehicle's battery. Ensure the wire is protected from heat, sharp edges, and moving parts. Use the provided inline fuse holder near the battery connection.
7. **Connect Ground Wire:** Connect the white ground wire from the ModuLite HD module to a clean, unpainted metal surface on the vehicle chassis using the provided ring terminal and screw.
8. **Secure Wiring:** Use zip ties to secure all loose wiring, preventing it from hanging or interfering with other components.
9. **Reinstall Tail Lights:** Reinstall the tail light assemblies.
10. **Reconnect Battery:** Reconnect the negative battery terminal.
11. **Test System:** Proceed to the "Operation" section to test all trailer lighting functions.

Note: For visual guidance, refer to the installation videos provided below for similar products. While not specific to this exact model, they demonstrate the general process.

4.3 Installation Video (Similar Product)

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Video 4.1: Installation guide for a 4-pin trailer wiring harness kit for Toyota Tacoma (provided by Dasbecan). This video demonstrates the general steps for connecting a T-connector style harness to a vehicle's existing wiring.

4.4 Additional Installation Video (Similar Product)

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Video 4.2: Trailer wiring harness installation for Toyota Tacoma (provided by Oyviny). This video illustrates the process of connecting a vehicle-specific T-connector and the standard 4-pin wiring configuration.

5. OPERATION

Once installed, the T-One T-Connector Harness provides a standard 4-way flat connector for your trailer's electrical system.

5.1 Connecting to a Trailer

1. Ensure both the vehicle and trailer are off.
2. Remove the dust cap from the 4-way flat connector on the T-One harness.
3. Align the 4-way flat connector with the corresponding receptacle on your trailer and push firmly until fully seated.
4. Secure any excess wiring to prevent dragging or damage.

5.2 Testing Trailer Lights

After connecting the trailer, perform the following tests:

- **Tail Lights:** Turn on your vehicle's headlights. The trailer's tail lights should illuminate.
- **Brake Lights:** Press the vehicle's brake pedal. The trailer's brake lights should illuminate.
- **Left Turn Signal:** Activate the vehicle's left turn signal. The trailer's left turn signal should flash.
- **Right Turn Signal:** Activate the vehicle's right turn signal. The trailer's right turn signal should flash.

If any lights do not function correctly, refer to the "Troubleshooting" section.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your T-One T-Connector Harness.

- **Keep Connectors Clean:** Periodically inspect the 4-way flat connector for dirt, corrosion, or debris. Clean with a wire brush or electrical contact cleaner if necessary.
- **Apply Dielectric Grease:** Apply dielectric grease to the electrical contacts of the 4-way flat connector to protect against moisture and corrosion, especially before long-term storage or in harsh weather conditions.
- **Inspect Wiring:** Regularly check all visible wiring for signs of wear, fraying, or damage. Ensure all connections are secure and zip ties are intact.
- **Store Properly:** When not in use, keep the 4-way flat connector covered with its dust cap to protect it from elements. Store the harness in a dry location if it is removable.

7. TROUBLESHOOTING

If you experience issues with your trailer lighting, follow these troubleshooting steps:

Problem	Possible Cause	Solution
No trailer lights function.	<ul style="list-style-type: none">◦ Blown fuse in vehicle or harness.◦ Poor ground connection.◦ Loose connection at vehicle or trailer.	<ul style="list-style-type: none">◦ Check and replace the inline fuse (7.5A) if blown.◦ Ensure the ground wire is securely attached to a clean, unpainted metal surface.◦ Verify all T-connector and 4-way flat connections are secure.

Problem	Possible Cause	Solution
Specific trailer light (e.g., left turn) does not function.	<ul style="list-style-type: none">Faulty trailer bulb.Corroded or loose pin in 4-way connector.Issue with vehicle's specific light circuit.	<ul style="list-style-type: none">Check and replace the trailer bulb.Clean and apply dielectric grease to the 4-way connector pins.Test vehicle's light function directly (without trailer) to isolate the issue.
Lights flicker or are dim.	<ul style="list-style-type: none">Poor ground connection.Corrosion in connectors.Insufficient power supply.	<ul style="list-style-type: none">Re-check ground connection.Clean all electrical contacts.Ensure battery connections are clean and tight.

If problems persist after following these steps, consult a professional automotive technician.

8. SPECIFICATIONS



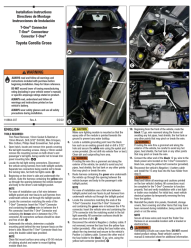

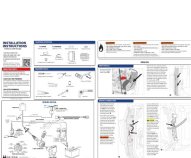
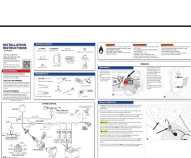
Feature	Detail
Brand	Tekonsha
Model Number	118685
Connector Type	T-one 4-way Flat
Material	Polyvinyl Chloride (PVC)
Item Dimensions (L x W x H)	11 x 7.98 x 3.12 inches
Item Weight	1.75 Pounds
Stop Light/Turn Signal Circuit Capacity	5 Amp
Taillight Circuit Capacity	7.5 Amp
UPC	016118146103

9. WARRANTY AND SUPPORT

Specific warranty information for the Tekonsha T-One T-Connector Harness (Model 118685) is not provided in the available product data. For detailed warranty terms and conditions, or for technical support, please refer to the official Tekonsha website or contact their customer service directly.

You can often find support resources and contact information on the manufacturer's website:www.tekonsha.com

Related Documents - 118685

	<p>Tekonsha T-One Trailer Hitch Wiring Harness Installation for Mercedes Sprinter and Freightliner Sprinter</p> <p>Step-by-step installation guide for the Tekonsha T-One T-Connector harness (118876-037) for Mercedes Sprinter and Freightliner Sprinter vehicles. Includes tools required, safety warnings, and detailed instructions for connecting the wiring harness to the vehicle's taillight system and battery.</p>
	<p>Tekonsha T-One® Connector Installation Guide for Honda HR-V</p> <p>Step-by-step installation instructions for the Tekonsha T-One® Connector (118877-037) on a Honda HR-V. Includes tools, safety warnings, and wiring details for a 4-way flat trailer connection.</p>
	<p>Toyota Corolla Cross T-One® Connector Installation Guide</p> <p>Detailed installation instructions for the Tekonsha T-One® Connector harness (Part # 118864-037) on a Toyota Corolla Cross. Covers tools, safety, and step-by-step wiring and mounting procedures.</p>
	<p>Tekonsha T-One® Connector Installation Guide for Lexus NX (Model 118868)</p> <p>Detailed step-by-step installation instructions for the Tekonsha T-One® T-Connector Harness (Model 118868) for Lexus NX vehicles. Includes required tools, safety warnings, and wiring procedures.</p>
	<p>Tekonsha 7-Way Vehicle Complete Kit Installation Guide for Ford Bronco</p> <p>This guide provides detailed installation instructions for the Tekonsha 7-Way Vehicle Complete Kit, designed for Ford Bronco models equipped with LED tail lights. It covers hardware overview, required tools, step-by-step installation procedures for vehicle preparation, module connection, harness routing, and completion, along with a troubleshooting guide.</p>
	<p>Ford Maverick Tow Harness Installation Instructions</p> <p>Step-by-step guide for installing a Tekonsha 7-way tow harness on a Ford Maverick, including hardware overview, required tools, wiring details, and troubleshooting.</p>