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Tekonsha 118577

Tekonsha 118577 T-One Connector Instruction Manual

Model: 118577



1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Tekonsha 118577 T-One Connector. This product is designed to provide a reliable 4-flat wiring connection for trailer lighting without requiring splicing into your vehicle's existing wiring. Please read these instructions carefully before installation and retain them for future reference.

Safety Information

- Always ensure the vehicle's ignition is off and the battery is disconnected before beginning any electrical work.
- Wear appropriate personal protective equipment, such as safety glasses.
- Verify all connections are secure and free from damage before use.
- Consult a qualified technician if you are unsure about any part of the installation process.

2. PRODUCT OVERVIEW

The Tekonsha 118577 T-One Connector is a custom wiring harness designed for specific vehicle models to provide a standard 4-flat trailer connector. It features a ModuLite HD module for circuit protection and is constructed for durability and a factory-like appearance.



Figure 1: Tekonsha 118577 T-One Connector

3. SETUP AND INSTALLATION

The T-One Connector is designed for a straightforward, do-it-yourself installation without the need for special tools or splicing of vehicle wires.

Installation Steps:

- 1. Prepare Vehicle:** Ensure the vehicle is turned off and the parking brake is engaged. If possible, disconnect the vehicle's battery to prevent accidental electrical shorts.
- 2. Locate Vehicle Wiring Harness:** Identify the vehicle's existing wiring harness connector, typically located near the rear bumper or within the cargo area. Refer to your vehicle's owner's manual for specific locations if needed.
- 3. Disconnect Existing Connector:** Carefully unplug the vehicle's wiring harness connector. This may involve pressing a release tab or lever.
- 4. Insert T-One Connector:** Insert the Tekonsha T-One Connector directly into the vehicle's harness. The T-One Connector is

designed to fit precisely, creating a secure, weatherproof connection. Ensure both sides of the T-One Connector are firmly seated.

5. **Route 4-Flat Plug:** Route the 4-flat plug to an accessible location, such as near the trailer hitch. Secure any loose wiring with zip ties (not included) to prevent damage or entanglement.
6. **Test Connection:** Reconnect the vehicle's battery (if disconnected). Connect a trailer or a trailer light tester to the 4-flat plug and verify that all trailer lights (tail lights, brake lights, turn signals) function correctly.

The T-One Connector's one-piece construction ensures a 'factory' appearance and is designed to be stored in the cargo area or under the rear bumper when not in use.

4. OPERATING INSTRUCTIONS

Once installed, the Tekonsha 118577 T-One Connector provides a standard 4-flat output for connecting to a trailer.

- **Connecting to Trailer:** Remove the protective cap from the 4-flat plug. Align the pins and securely connect it to your trailer's 4-flat input.
- **Verifying Lights:** Before each trip, always check that all trailer lights (running lights, brake lights, left turn signal, right turn signal) are functioning correctly.
- **Disconnecting:** When not towing, disconnect the 4-flat plug from the trailer and replace the protective cap to shield the terminals from dirt and moisture.

5. MAINTENANCE

The Tekonsha 118577 T-One Connector is designed for durability and minimal maintenance.

- **Regular Inspection:** Periodically inspect the connector and wiring for any signs of wear, corrosion, or damage.
- **Cleaning:** Keep the 4-flat terminals clean and free of dirt, dust, and moisture. A dielectric grease can be applied to the terminals for added protection against corrosion.
- **Storage:** When not in use, ensure the 4-flat plug is capped and stored in a protected area, such as the vehicle's cargo compartment or secured under the bumper, to prevent exposure to elements and potential damage.

6. TROUBLESHOOTING

If you experience issues with your trailer lights after installing the T-One Connector, consider the following troubleshooting steps:

- **No Trailer Lights:**
 - Ensure the T-One Connector is fully seated into the vehicle's harness.
 - Check the vehicle's fuses related to trailer lighting.
 - Verify the trailer's wiring and bulbs are functional by testing with another vehicle or a dedicated trailer light tester.
- **Intermittent Lights:**
 - Inspect all connections for looseness or corrosion.
 - Ensure the 4-flat plug is securely connected to the trailer.
- **Specific Light Not Working:**
 - Check the specific bulb on the trailer.
 - Inspect the corresponding wire on both the T-One Connector and the trailer for damage.

If problems persist after performing these checks, contact Tekonsha customer support or a professional automotive electrician.

7. SPECIFICATIONS

Feature	Detail
Model Number	118577
Brand	Tekonsha
Manufacturer	Tow Ready
Product Dimensions (L x W x H)	10.16 x 15.24 x 22.86 cm (4.0 x 6.0 x 9.0 inches)
Item Weight	454 g (1 Pound)
Material	Copper
Connector Type	4-Flat
Wire Diameter	1.29 Millimeters (16 gauge bonded wire)
Stop Light/Turn Signal Circuit Capacity	2.1 Amps
Taillight Circuit Capacity	5.6 Amps
UPC	016118121247

8. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the documentation included with your purchase or visit the official Tekonsha website.

If you require technical assistance or have questions not covered in this manual, please contact Tekonsha customer support.

- **Tekonsha Official Website:** www.tekonsha.com
- **Manufacturer:** Tow Ready (a brand under Tekonsha)