

WilTec 30105

WilTec 13 to 7 Pin Trailer Adapter Instruction Manual

Model: 30105

1. INTRODUCTION

This manual provides instructions for the WilTec 13 to 7 Pin Trailer Adapter. This adapter facilitates the electrical connection between a towing vehicle equipped with a 13-pin socket and a trailer or caravan with a 7-pin plug. It ensures the proper functioning of essential trailer lighting, including brake lights, left and right turn signals, rear fog light, left and right tail lights, and license plate lights. The adapter operates at 12 volts and is constructed from durable plastic.

2. PRODUCT OVERVIEW

The WilTec 13 to 7 Pin Trailer Adapter is designed to bridge the electrical connection between a 13-pin vehicle socket and a 7-pin trailer plug. It ensures that all necessary lighting functions on the trailer receive power and signals from the towing vehicle.

- **Secure Connection:** Provides a reliable electrical link for trailer lighting.
- **Compatibility:** Designed for vehicles with 13-pin sockets and trailers with 7-pin plugs.
- **Full Lighting Support:** Powers brake lights, tail lights, turn signals, rear fog light, and license plate lights.
- **Durable Construction:** Made from robust PA plastic, resistant to weather and wear.
- **Voltage/Current:** Operates at 12V, supports up to 50A.



Figure 2.1: WilTec 13 to 7 Pin Trailer Adapter, front view with 7-pin socket visible. This image shows the WilTec 13 to 7 Pin Trailer Adapter. The adapter features a robust black plastic housing with a hinged cover for the 7-pin socket, designed to connect a 7-pin trailer to a 13-pin vehicle socket.

Details zum Produkt



Figure 2.2: Close-up details of the WilTec 13 to 7 Pin Trailer Adapter components. This image provides a detailed view of the adapter's construction, highlighting features such as the screw-in clip for secure attachment, high-quality copper pins for reliable electrical contact, and the robust PA housing designed for durability.

3. SETUP

The WilTec 13 to 7 Pin Trailer Adapter is designed for quick and tool-free installation. Follow these steps to establish a secure electrical connection:

1. Ensure both the vehicle's 13-pin socket and the trailer's 7-pin plug are clean and free from debris.
2. Align the 13-pin end of the adapter with the 13-pin socket on your towing vehicle.
3. Push the adapter firmly into the vehicle's socket and twist clockwise to lock it securely in place.
4. Open the hinged cover on the 7-pin end of the adapter.
5. Align the 7-pin plug from your trailer with the 7-pin socket on the adapter.
6. Push the trailer's 7-pin plug firmly into the adapter's socket.
7. Verify that all connections are snug and secure before driving.



Figure 3.1: WilTec 13 to 7 Pin Trailer Adapter connecting a vehicle to a trailer. This image illustrates the WilTec 13 to 7 Pin Trailer Adapter in use, connecting the electrical system of a towing vehicle to a trailer. The adapter ensures proper signal transmission for trailer lights.

Fahrzeugbeleuchtung

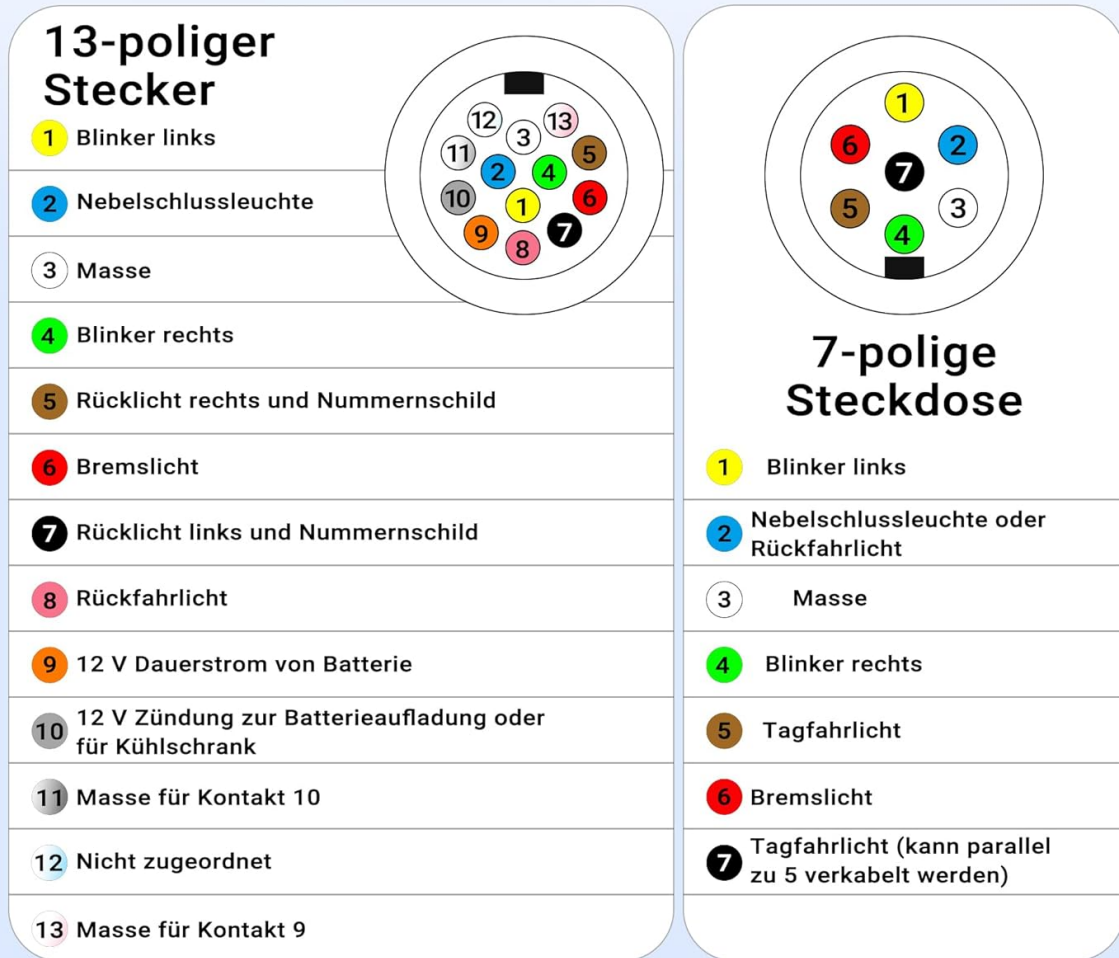


Figure 3.2: Wiring diagram for 13-pin vehicle plug and 7-pin trailer socket. This diagram details the pin assignments for both the 13-pin vehicle plug and the 7-pin trailer socket. It shows the functions of each pin, including left and right turn signals, fog light, ground, brake light, tail lights, and license plate lights, ensuring correct electrical connection.

4. OPERATING INSTRUCTIONS

Once the adapter is securely connected between the vehicle and the trailer, the electrical system of the trailer will be active. The adapter transmits signals for the following functions:

- Left Turn Signal
- Right Turn Signal
- Brake Lights
- Tail Lights (Left and Right)
- Rear Fog Light
- License Plate Lights
- Ground Connection

Before each journey, always perform a visual check to ensure all trailer lights are functioning correctly (turn signals, brake lights, tail lights, and fog light). This confirms the adapter is transmitting signals properly and contributes to road safety.

Vielseitig einsetzbar

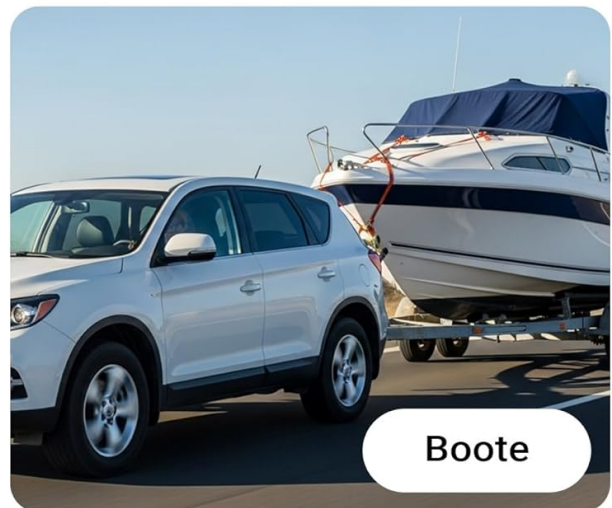


Figure 4.1: Various applications for the WilTec 13 to 7 Pin Trailer Adapter. This image illustrates the versatility of the WilTec 13 to 7 Pin Trailer Adapter, showing its use with different types of towed vehicles including general trailers, cars with trailers, caravans, and boat trailers.

5. MAINTENANCE

To ensure the longevity and reliable performance of your WilTec 13 to 7 Pin Trailer Adapter, consider the following maintenance guidelines:

- **Cleaning:** Periodically inspect the adapter and its pins for dirt, dust, or corrosion. Clean with a dry cloth or a soft brush. Avoid using harsh chemicals that could damage the plastic.
- **Inspection:** Regularly check the adapter for any signs of physical damage, such as cracks in the housing or bent/corroded pins. Ensure the hinged cover operates smoothly and provides adequate protection.
- **Storage:** When not in use, store the adapter in a clean, dry place to protect it from environmental elements.



Figure 5.1: WilTec 13 to 7 Pin Trailer Adapter highlighting durable PA material and weather resistance. This image emphasizes the durability of the WilTec 13 to 7 Pin Trailer Adapter, constructed from high-quality PA material. Icons indicate its resistance to wear, temperature variations, corrosion, and its electrical insulation properties, ensuring reliable performance in various weather conditions.

6. TROUBLESHOOTING

If you experience issues with your trailer lighting after connecting the adapter, consider the following troubleshooting steps:

- **Check Connections:** Ensure both the 13-pin connection to the vehicle and the 7-pin connection to the trailer are fully inserted and securely locked.
- **Inspect Pins:** Visually check the pins on both the adapter and the trailer plug for any signs of bending, corrosion, or damage. Clean any dirty pins.
- **Vehicle Fuses:** Verify that the towing vehicle's fuses related to trailer lighting are intact and not blown. Consult your vehicle's owner's manual for fuse box locations and diagrams.
- **Trailer Wiring:** If possible, test the trailer's lighting system directly with a known working vehicle or a trailer light tester to rule out issues with the trailer's internal wiring.
- **Adapter Integrity:** If all other components are confirmed to be working, the adapter itself may be faulty.

7. SPECIFICATIONS

Feature	Detail
Brand	WilTec
Model Number	30105
Type	13-pin vehicle socket to 7-pin trailer plug adapter
Voltage	12 V
Current Capacity	Up to 50 A
Material	Robust PA Plastic, Copper Pins
Dimensions (L x W x H)	70 x 37 x 53 mm
Weight	80 g

Abmessungen des Produkts



Figure 7.1: Dimensions of the WilTec 13 to 7 Pin Trailer Adapter. This diagram provides the key dimensions of the WilTec 13 to 7 Pin Trailer Adapter, including its length (70mm), width (37mm), and height (53mm), along with the diameter of the 13-pin





plug (30mm).





8. WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available data. For warranty details or technical support, please refer to the product packaging or contact WilTec customer service directly. Keep your proof of purchase for any warranty claims.

Manufacturer: WilTec Wildanger Technik GmbH

Related Documents - 30105

	<p>Mode d'emploi Pompe pour fioul et gazole Wiltec - Modèles 50739-62136</p> <p>Manuel d'utilisation Wiltec pour les pompes à fioul et gazole (modèles 50739, 50768, 50769, 50959, 65124, 62136). Instructions de sécurité, d'utilisation et d'entretien pour un fonctionnement optimal.</p>
	<p>Manuale d'uso: Mini-incubatrice per 12 uova Wiltec 52016</p> <p>Scopri come utilizzare al meglio la tua mini-incubatrice Wiltec per 12 uova (modello 52016) con questo manuale d'uso completo. Include istruzioni dettagliate, consigli per l'incubazione e risoluzione problemi.</p>
	<p>Wiltec Parcel Box 64118 Operation Manual and Assembly Guide</p> <p>Comprehensive operation manual and assembly guide for the Wiltec Parcel Box model 64118. Includes parts overview, step-by-step assembly instructions, safety precautions, and contact information.</p>
	<p>WilTec Egg Incubator Article 50034 Operating Manual</p> <p>Comprehensive operating manual for the WilTec Egg Incubator, Article 50034. Provides instructions on setup, operation, temperature and humidity control, hatching phases for various poultry and reptiles, and disposal guidelines.</p>

<div><div><div>Operating Instructions</div><div>Petrol Brushcutter with Wheels</div><div>64746</div><div></div><div></div><div><div><div>Read and understand the operating instructions and safety instructions before using the product.</div><div>Consult the manual.</div><div>Observe all safety instructions and warnings.</div></div></div></div></div>	<div><div>Wiltec Petrol Brushcutter with Wheels Operating Instructions and Safety Guide</div><div>Comprehensive operating instructions and safety guide for the Wiltec Petrol Brushcutter with Wheels (Model 64746). Covers proper use, maintenance, troubleshooting, and safety precautions for safe and effective operation.</div></div>
<div><div><div>Manual de Instrucciones</div><div>Universal Refrigeration Tester</div><div>62575</div><div></div><div></div><div><div><div>Read and understand the operating instructions and safety instructions before using the product.</div><div>Consult the manual.</div><div>Observe all safety instructions and warnings.</div></div></div></div></div>	<div><div>Manual de Instrucciones: Probador de Sistemas de Refrigeración Universales WilTec 62575</div><div>Guía completa de instrucciones, seguridad y uso para el probador de sistemas de refrigeración universales WilTec modelo 62575. Incluye descripción del producto, manejo, preparación, verificación del sistema y mantenimiento.</div></div>