

Hella 8KA 340 845-031

Hella 8KA 340 845-031 EasyConn Combination Rearlight Harness Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Hella 8KA 340 845-031 EasyConn Combination Rearlight Harness. This product is designed for use in 24V trailer systems, offering a flexible and reliable wiring solution. Please read these instructions carefully before proceeding with installation or use to ensure safety and optimal performance.

2. PRODUCT OVERVIEW

The Hella 8KA 340 845-031 is an 8-core spiral adapter cable specifically developed for 24V trailer applications. It facilitates the connection between the main supply cable and the rear or front adapter cable within the EasyConn wiring and lighting system.

2.1 Key Features

- 3 meters long spiral cable (working length).
- 8-core adapter cable (7 x 1 mm² / 1 x 2.5 mm²).
- Equipped with 15-pole EasyConn plug housing and 15-pole EasyConn receptacle housing, assembled and overmoulded.
- Designed for use as an adapter cable between main supply cable and rear or front adapter cable.
- ECE approved (ADR/GGVS Checked).
- Waterproof design for enhanced durability.

2.2 Product Image



Image: The Hella 8KA 340 845-031 EasyConn Combination Rearlight Harness. This image displays the black spiral cable with a 15-pole plug on one end and a 15-pole receptacle on the other, designed for robust trailer wiring connections.

3. SETUP AND INSTALLATION

Installation of the Hella EasyConn harness should be performed by qualified personnel familiar with trailer electrical systems. Ensure the vehicle's power supply is disconnected before beginning any wiring work.

1. **Safety First:** Always disconnect the battery or main power source of the trailer and towing vehicle before handling electrical components.
2. **Identify Connection Points:** Locate the main supply cable and the rear or front adapter cable connection points on your 24V trailer system.
3. **Connect the Harness:**
 - Connect the 15-pole EasyConn plug housing of the 8KA 340 845-031 harness to the corresponding receptacle on the main supply cable.
 - Connect the 15-pole EasyConn receptacle housing of the 8KA 340 845-031 harness to the corresponding plug on the rear or front adapter cable.
4. **Secure Connections:** Ensure all connections are firm and properly seated to prevent accidental disconnections or electrical faults. The overmoulded design provides a secure fit.
5. **Cable Routing:** Route the spiral cable in a manner that prevents chafing, pinching, or excessive stretching during vehicle movement. Allow sufficient slack for turns and articulation.
6. **Test System:** Once installed, reconnect the power supply and test all lighting and electrical functions of

the trailer to confirm correct operation.

This harness is designed to integrate seamlessly into the modular, distributor box-free EasyConn wiring and lighting system.

4. OPERATING INSTRUCTIONS

The Hella 8KA 340 845-031 harness functions as a passive adapter within the trailer's electrical system. Once correctly installed, it facilitates the transmission of electrical signals and power for the combination rearlight and other connected components. No specific user operation is required beyond ensuring secure connections and proper system functionality.

Regularly verify that all trailer lights and electrical accessories are functioning as expected, especially before and during travel.

5. MAINTENANCE

Proper maintenance ensures the longevity and reliability of your Hella EasyConn harness.

- **Regular Inspection:** Periodically inspect the entire length of the spiral cable and its connections for any signs of wear, damage, cuts, or corrosion.
- **Cleanliness:** Keep the connectors and cable free from dirt, moisture, and road debris. Use a clean, dry cloth to wipe down the cable. Avoid harsh chemicals that could damage the insulation.
- **Connection Integrity:** Ensure that the 15-pole plug and receptacle housings remain securely connected. Loose connections can lead to intermittent electrical issues or damage.
- **Storage:** When not in use, store the harness in a clean, dry environment, protected from extreme temperatures and direct sunlight.
- **Waterproof Feature:** While the harness is waterproof, avoid submerging connectors in water for extended periods. Ensure caps or covers are in place if applicable.

6. TROUBLESHOOTING

If you experience issues with your trailer's electrical system after installing the Hella EasyConn harness, consider the following troubleshooting steps:

- **No Power/Intermittent Power:** Check all connections for tightness and corrosion. Ensure the 15-pole plug and receptacle are fully engaged. Inspect the cable for visible damage.
- **Incorrect Lighting Function:** Verify that the correct harness is being used for your specific trailer and towing vehicle configuration. Check for proper pin assignments if you suspect a mismatch.
- **Damaged Cable:** If the cable insulation is cut or frayed, it may lead to short circuits or open circuits. The harness should be replaced if significant damage is present.
- **System Compatibility:** Ensure that all components of your trailer's wiring system are compatible with a 24V EasyConn setup.

If problems persist after performing these checks, it is recommended to consult a professional automotive electrician or contact Hella customer support.

7. SPECIFICATIONS

Specification	Detail
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Specification	Detail
Brand	Hella
Model Number	8KA 340 845-031
Cable Type	Spiral Adapter Cable
Core Configuration	8-core (7 x 1 mm ² / 1 x 2.5 mm ²)
Connectors	15-pole EasyConn plug housing, 15-pole EasyConn receptacle housing
Working Length	3 meters
Voltage System	24V
Specific Uses	Trailer wiring, combination rearlight
Special Feature	Waterproof
Approval Stamp	ECE - ADR/GGVs Checked
Color	Black
Product Dimensions	15.67 x 11.73 x 6.89 inches (packaging)
Item Weight	3.1 pounds
Assembly Required	No

8. WARRANTY AND SUPPORT

Hella products are manufactured to high-quality standards. For information regarding the warranty period and terms for the 8KA 340 845-031 EasyConn Combination Rearlight Harness, please refer to the documentation provided with your purchase or visit the official Hella website.

For technical assistance, installation queries, or warranty claims, please contact Hella customer support directly. Ensure you have your product model number (8KA 340 845-031) and purchase details available when seeking support.

Manufacturer: Hella KGaA Hueck & Co.

Related Documents - 8KA 340 845-031



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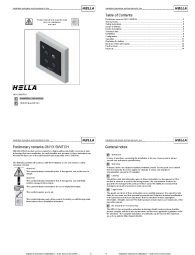
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