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› Hopkins Towing Solutions 47185 Multi-Tow 4 Flat to 7 Blade and 4 Flat Adapter Instruction Manual

Hopkins Towing Solutions 47185

Hopkins Towing Solutions 47185 Multi-Tow Adapter Instruction Manual

Model: 47185

1. INTRODUCTION

The Hopkins Towing Solutions 47185 Multi-Tow Adapter is designed to simplify your towing experience by providing multiple trailer wiring options from a single vehicle connector. This adapter allows a vehicle with an existing 4-flat wiring system to connect to trailers requiring either a 7-blade or a 4-flat connector.

The Multi-Tow design integrates both connector types, ensuring compatibility with various trailers. It is pre-wired to handle lighting functions for both 7-blade and 4-flat connections. Additional wiring for electric brakes, auxiliary power, reverse lights, and ground may be required depending on the specific trailer and vehicle configuration.

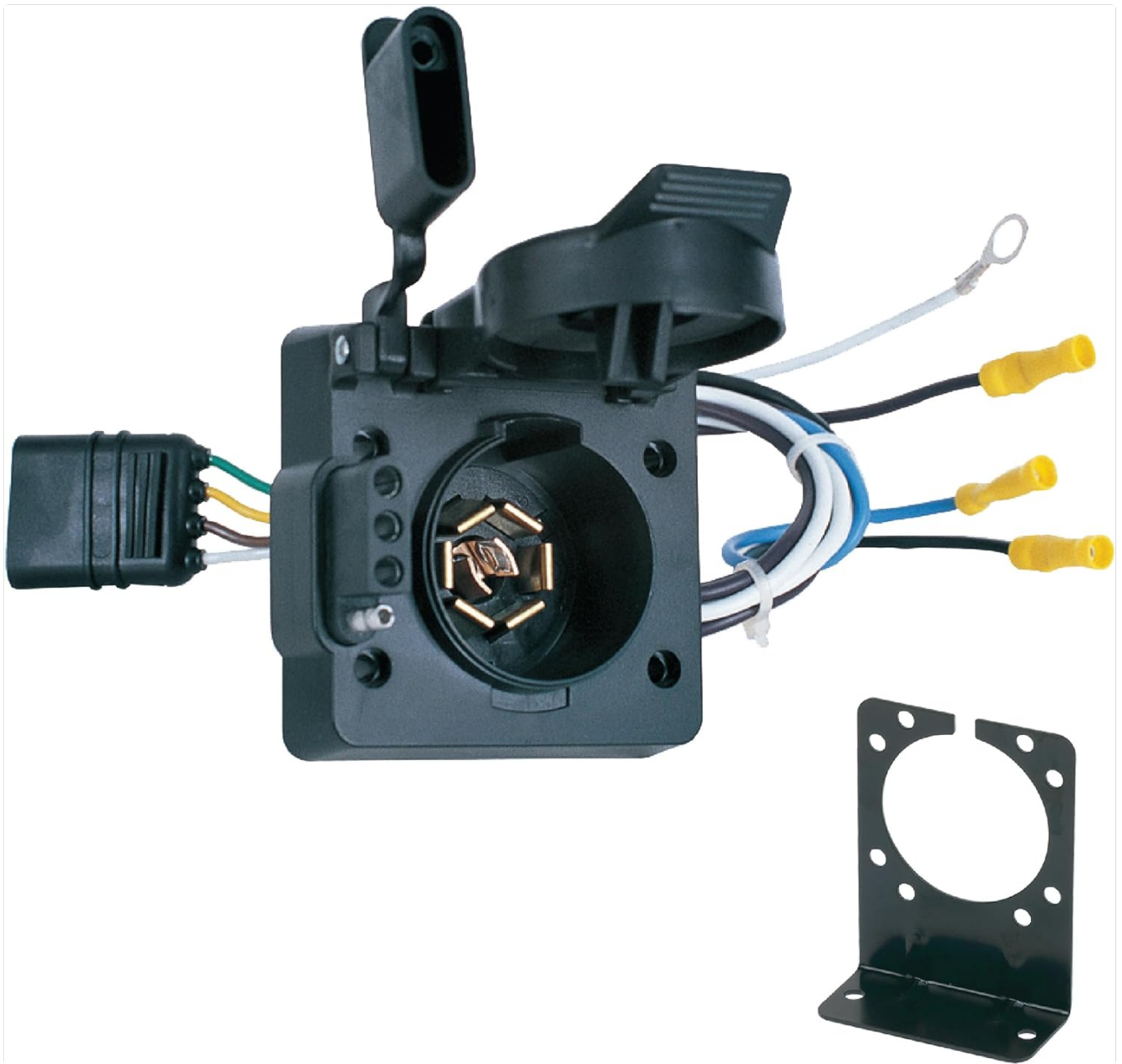


Figure 1: Hopkins 47185 Multi-Tow 4 Flat to 7 Blade and 4 Flat Adapter. This image displays the adapter with its integrated 7-blade and 4-flat connectors, along with the pre-wired leads and mounting bracket.

2. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Pre-wired Multi-Tow® Connector (7-Blade and 4-Flat)
- Mounting Bracket
- Hardware (screws, nuts, washers)
- Step-By-Step Instructions (this manual)

PACKAGE INCLUDES

- Prewired Multi-Tow[®] Connector
- Mounting Bracket & Hardware
- Step-By-Step Instructions



Figure 2: Contents of the Hopkins 47185 Multi-Tow Adapter package. This image shows the pre-wired connector, mounting bracket, and various hardware pieces included for installation.

3. INSTALLATION

The Hopkins 47185 Multi-Tow Adapter is designed for straightforward installation, typically utilizing a vehicle's existing 4-flat wiring. For optimal performance and safety, ensure all connections are secure and properly insulated.

3.1 Mounting the Adapter

1. Select a suitable mounting location near your vehicle's hitch receiver. The included bracket is designed for universal fitment.
2. Attach the mounting bracket to the vehicle using appropriate hardware. Ensure it is securely fastened and does not interfere with any moving parts or exhaust systems.
3. Secure the Multi-Tow adapter to the mounting bracket using the provided screws, nuts, and washers.



Figure 3: The Multi-Tow adapter shown installed on a vehicle's hitch. This demonstrates a typical mounting position for the adapter, providing easy access for trailer connections.

3.2 Wiring Connections

The adapter connects to your vehicle's existing 4-flat wiring. Additional wires are provided for 7-blade functions not present in a standard 4-flat system. These typically include electric brakes, auxiliary power, and reverse lights.

- **Connect the 4-Flat:** Plug the adapter's 4-flat male connector into your vehicle's existing 4-flat female receptacle.
- **Ground Wire (White):** Connect the white wire to a clean, unpainted metal surface on the vehicle frame to ensure a proper ground.
- **Auxiliary Power (Black):** Connect the black wire to a fused 12V power source from your vehicle's battery. This provides power for accessories or charging trailer batteries.
- **Electric Brakes (Blue):** Connect the blue wire to your vehicle's electric brake controller output.
- **Reverse Lights (Purple):** Connect the purple wire to your vehicle's reverse light circuit.

Ensure all connections are secure, insulated, and protected from environmental elements. Test all lighting and brake functions with the engine running to ensure proper operation.



Figure 4: Detailed wiring diagram for the Hopkins 47185 Multi-Tow Adapter. This diagram illustrates the color-coded wires and their corresponding functions for proper connection.

3.3 Installation Video

Video 1: Installation overview of a similar truck trailer plug with bracket. This video demonstrates the physical installation process of a comparable adapter, including mounting and connecting the unit.

Video 2: Hopkins Towing Solutions 47185 EMW8134058 product demonstration. This video provides a closer look at the Hopkins 47185 adapter, highlighting its features and design.

4. OPERATING INSTRUCTIONS

The Multi-Tow adapter offers flexibility for connecting trailers with either a 7-blade or a 4-flat plug.

- **Connecting a 7-Blade Trailer:** Open the hinged cover on the adapter and firmly insert the trailer's 7-blade plug into the corresponding receptacle. Ensure a secure connection.
- **Connecting a 4-Flat Trailer:** The adapter includes a separate 4-flat receptacle. Remove its protective cover and insert the trailer's 4-flat plug.
- **Important Note:** The 7-blade and 4-flat sockets are designed for independent use. Do not attempt to use both sockets simultaneously.
- **Protective Covers:** Always ensure the unused receptacle is covered to protect it from dirt, moisture, and corrosion. The 7-blade receptacle has a spring-loaded cover, and the 4-flat has an attached rubber cap.

MULTI-TOW®

One Connector - Multiple Towing Options



CONNECTS TO TRAILERS WITH



7 BLADE OR 4 FLAT

Figure 5: The Multi-Tow adapter illustrating its dual functionality, allowing connection to both 7-blade and 4-flat trailer plugs. This image highlights the versatility of the adapter.

5. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your Multi-Tow adapter.

- **Cleaning:** Periodically clean the electrical contacts inside both receptacles using a non-corrosive electrical contact cleaner. Remove any dirt, dust, or debris.
- **Lubrication:** Apply a small amount of dielectric grease to the electrical contacts to prevent corrosion and ensure smooth connections.
- **Inspection:** Regularly inspect the adapter housing, wiring, and protective covers for any signs of damage, cracks, fraying, or corrosion. Replace the adapter if significant damage is found.
- **Storage:** When not in use, ensure both the 7-blade and 4-flat receptacles are securely covered to protect them from weather and road debris.

6. TROUBLESHOOTING

If you experience issues with your trailer lights or brakes, follow these troubleshooting steps:

- **No Lights/Intermittent Lights:**

- Check all connections for tightness and corrosion.
- Ensure the vehicle's 4-flat connection is clean and secure.
- Verify the vehicle's fuses related to trailer lighting are intact.
- Inspect the trailer's wiring and bulbs.

- **No Electric Brakes:**

- Confirm the blue wire from the adapter is correctly connected to the brake controller.
- Check the brake controller's settings and functionality.
- Ensure the trailer's brake system is functioning correctly.

- **No Auxiliary Power:**

- Verify the black auxiliary power wire is connected to a fused 12V source.
- Check the fuse for the auxiliary power circuit.

For complex electrical issues, consult a qualified automotive technician.

7. SPECIFICATIONS

Brand	Hopkins Towing Solutions
Model Number	47185
Item Weight	15.2 ounces
Vehicle Service Type	Trailer
Material	Plastic
Finish Type	Powder Coated
Product Dimensions	8.88 x 3.88 x 3.25 inches

8. WARRANTY & SUPPORT

Hopkins Towing Solutions products are designed for durability and reliability. For specific warranty information, please refer to the documentation included with your product package.

Our dedicated Towing Support Team is available to assist you with any questions or concerns regarding your Multi-

Tow adapter.

- **Availability:** Monday - Friday, 8 AM - 5 PM CT
- **Contact:** Please use the toll-free number printed in your product package for direct assistance.



The graphic is divided into three main sections. The top left section features the Hopkins Towing Solutions logo, which consists of the word 'HOPKINS' in a bold, sans-serif font inside a black rounded rectangle, with 'TOWING SOLUTIONS' in a smaller font below it. To the right of the logo is a black and white photograph of a man wearing glasses and a headset, smiling. Below the logo and photo, the text 'WE ARE HERE TO HELP' is written in large, bold, black capital letters. The bottom section of the graphic has a dark background with a diamond-plate texture. It contains the text 'Our Towing Support Team is Available' in white, followed by 'MONDAY - FRIDAY' and '8 AM - 5 PM CT' in very large, bold, white capital letters. At the bottom of this section, it says 'Use the Toll Free Number Printed in your Product Package' in white capital letters.

Figure 6: Hopkins Towing Solutions customer support details. This image provides information on how to contact the support team for assistance.