

## Morimoto 9006F to 9006M/9006M

# Morimoto 9006F to 9006M/9006M Splitter Instruction Manual

Model: 9006F to 9006M/9006M

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## 1. OVERVIEW

The Morimoto 9006F to 9006M/9006M Splitter is an electrical harness designed to facilitate the splitting or doubling of signals within an automotive headlight system. This product simplifies wiring for various lighting configurations, particularly in retrofit applications involving bi-xenon projectors.



Figure 1: Assortment of Morimoto splitter harnesses.

## 2. PRODUCT FEATURES

- **Plug-and-Play Design:** Eliminates the need for cutting or splicing wires, offering a direct connection solution.
- **Signal Splitting:** Allows a single input signal to be distributed to two output connections.
- **Durable Construction:** Designed for automotive environments.
- **Versatile Application:** Suitable for various headlight retrofit scenarios, including bi-xenon and quad projector setups.

### 3. INSTALLATION

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The Morimoto 9006F to 9006M/9006M Splitter is designed for straightforward installation. Ensure the vehicle's ignition is off and the battery is disconnected before beginning any electrical work.

1. **Identify Connections:** Locate the existing 9006F (female) connector in your vehicle's headlight wiring that you intend to split. This is typically the high beam signal wire.
2. **Connect Input:** Plug the male 9006 connector of the splitter into the vehicle's female 9006F connector. Ensure a secure connection.
3. **Connect Outputs:** The splitter provides two 9006M (male) outputs. Connect these to the devices requiring the split signal, such as bi-xenon projector solenoids or additional ballasts.
4. **Secure Wiring:** Route the wiring safely, away from moving parts or heat sources. Use zip ties or cable clips to secure the harness.
5. **Test Functionality:** Reconnect the battery and test the headlight system to ensure all connections are functioning correctly.



Figure 2: A single Morimoto 9006F to 9006M/9006M splitter harness.

### 4. OPERATION AND APPLICATIONS

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The splitter enables various advanced lighting configurations:

#### 4.1. Double High Beams

When retrofitting a bi-xenon projector into a system that already has a halogen high beam, this splitter allows the stock high beam power to activate the bi-xenon solenoid simultaneously. This results in both the halogen high beam and the bi-xenon high beam being active, effectively doubling the high beam output.

## 4.2. Quad Retrofits

For installations involving four ballasts (e.g., two low beam harnesses in parallel), the splitter can be used to activate two pairs of bi-xenon solenoids from a single high beam output. This setup typically requires three splitters in total to manage the connections for four projectors.

## 4.3. Sport Bike Retrofits

In sport bike applications, where a single low beam and a single high beam might be present, the splitter can be used to retrofit two bi-xenon projectors. The single high beam output can be split to power both projector solenoids, creating an instant dual low beam and dual high beam setup. Common configurations for this application might involve an H7 Male input to 9006/9006 female outputs.



Figure 3: Close-up of the Morimoto splitter connectors.

## 5. MAINTENANCE

The Morimoto Splitter is designed for long-term reliability and requires minimal maintenance. Periodically inspect the connections for any signs of corrosion, wear, or damage. Ensure all plugs are securely seated. If any damage is observed, replace the splitter to maintain optimal performance and safety.

## 6. TROUBLESHOOTING

- **No Power to Connected Devices:**

- Check all connections to ensure they are fully seated.
- Verify the input signal is present at the vehicle's original connector.
- Inspect the splitter harness for any visible damage or breaks in the wiring.

- **Intermittent Functionality:**

- Ensure connections are tight and free from corrosion.
- Check for any loose wires within the harness.
- **Incorrect Bulb Type:**
  - Confirm that the input connector matches your stock high beam bulb type.
  - Ensure the output connectors are compatible with your bi-xenon projector solenoids or other connected devices.

## 7. SPECIFICATIONS

|                           |   |
|---------------------------|---|
| <b>Model:</b>             | 9006F to 9006M/9006M Splitter                   |
| <b>Input Connector:</b>   | 9006 Female (9006F)                             |
| <b>Output Connectors:</b> | Two 9006 Male (9006M)                           |
| <b>Application:</b>       | Automotive Headlight Wiring, Bi-xenon Retrofits |
| <b>Brand:</b>             | Morimoto  |

## 8. WARRANTY AND SUPPORT

For technical questions, recommendations on parts for your project, or any support inquiries regarding the Morimoto 9006F to 9006M/9006M Splitter, please contact Morimoto customer support. Refer to your purchase documentation or the official Morimoto website for specific warranty details and contact information.

*Note: This manual provides general instructions. Specific vehicle applications may vary. Always consult a qualified automotive technician if you are unsure about any installation steps.*



### [Morimoto BAF132H/BAF133H BigBanger Wire Harness Installation Guide](#)

Comprehensive installation guide for Morimoto BigBanger and BangerBar wire harnesses (models BAF132H, BAF133H), covering wiring diagrams, switch connections, fuse tap usage, and optimal routing for automotive LED lighting.



### [Morimoto XB Headlights Install Guide for 2016-2021 Honda Civic](#)

Comprehensive installation guide for Morimoto XB LED Headlights (LF2-473) for the 2016-2021 Honda Civic. Covers disassembly, installation, and aiming procedures.



### [2016+ Toyota Tacoma XB LED Headlights Installation Guide](#)

A comprehensive installation guide for the Morimoto XB LED Headlights for the 2016 and newer Toyota Tacoma models. This guide details the package contents and provides step-by-step instructions for removing factory headlights and installing the new LED units, including wiring and aiming.



### [Morimoto 4Banger Flush Mount Pod Light Kit Installation Guide](#)

Detailed installation guide for the Morimoto 4Banger Flush Mount Pod Light Kit, covering package contents, tools required, and step-by-step instructions for mounting and adjustment.



### [Morimoto Install Guide: 15-20 GMC Yukon Tail Lights](#)

Step-by-step installation guide for Morimoto XB LED Tail Lights for 15-20 GMC Yukon models. Includes disassembly, optional boost bar install, and final installation.



### [2021+ Ford F-150 XB LED Tail Lights Installation Guide by Morimoto](#)

A comprehensive installation guide for Morimoto XB LED Tail Lights for the 2021 and newer Ford F-150. This guide covers installation for OEM LED, OEM Incandescent with BLIS, and OEM Incandescent without BLIS configurations, along with instructions for installing the optional Boost Bar License Plate Light. Includes required tools and troubleshooting tips for turn signal errors.