

# MK8 IQ Taillight Retrofit (Hardwire)

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## Introduction

The MK8 IQ Tail Light Retrofit is a hardwired harness solution designed to integrate the MK8 European-style taillights into North American vehicles. This harness requires proper coding using a compatible data set in order to enable full functionality.

### Please note:

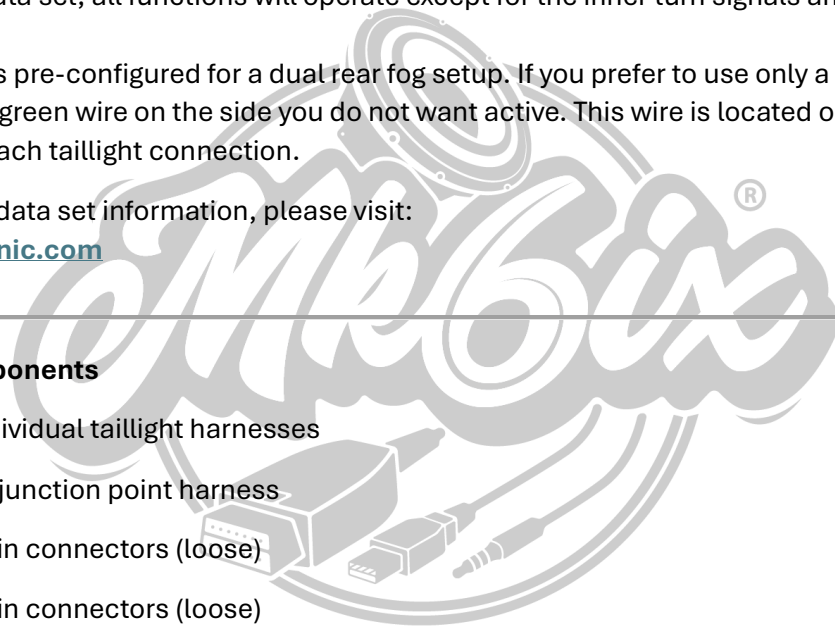
- The necessary data set is not included with this harness. It is provided by ACM Technic.
- Without the data set, all functions will operate except for the inner turn signals and rear fog light(s).
- This harness is pre-configured for a dual rear fog setup. If you prefer to use only a single fog light, simply snip the green wire on the side you do not want active. This wire is located on the junction harness, near each taillight connection.

For coding and data set information, please visit:

[www.acmtechnic.com](http://www.acmtechnic.com)

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## Included Components

- Four individual taillight harnesses
  - Central junction point harness
  - Two 4-pin connectors (loose)
  - Two 2-pin connectors (loose)
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- A large, stylized, semi-transparent watermark logo for 'MK6ix' is centered in the background. Below the logo, there is a small illustration of the included components: a central junction point harness, two 4-pin connectors, and two 2-pin connectors, along with some individual taillight harnesses.

## Installation Procedure

### Step 1: Preparation

- Disconnect vehicle battery to ensure safety.
  - Plan your wiring route based on the included junction point harness diagram.
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### Step 2: Harness Routing

- Thread harness wires through external boots and internal grommets.
- Pins are provided separately (without terminals attached) to ease the threading process.

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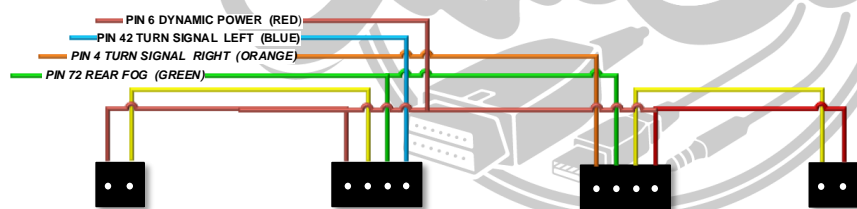
## Central Junction Point

- Once harnesses are routed, connect each harness to the central junction point using the provided connectors.
  - Align wire colors carefully, ensuring correct pinning according to the provided diagram.
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## Wiring to Central Electronics Control Module (J519)

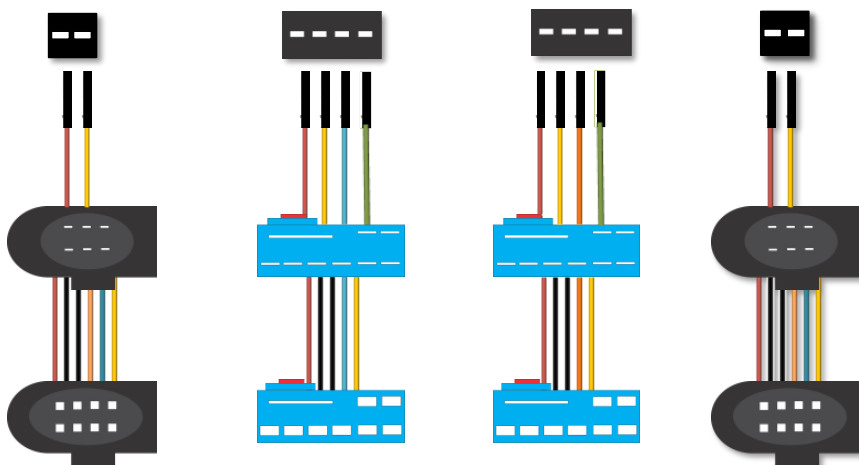
Connect the four wires to the Central Electronics Control Module (J519) according to the following pin configuration:

Connector	Pin	Function	Wire Color
A (73-pin connector)	72	Rear Fog	Green
B (46-pin connector)	4	Turn Signal Right	Orange
B (46-pin connector)	42	Turn Signal Left	Blue
C (73-pin connector)	6	Dynamic Power	Red



### Jumper Harness

The pins are colour-matched to the jumper harness using the provided connectors.

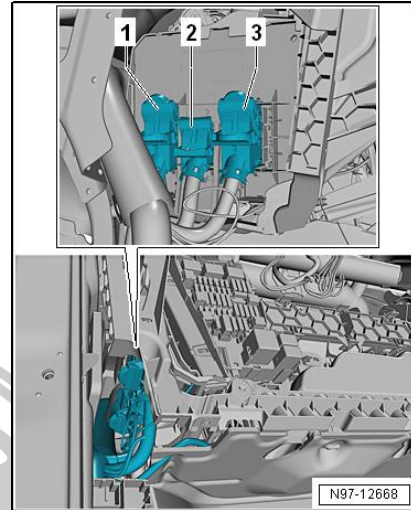


**Note:** Match colors carefully to ensure proper function.

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### J519 Module Location

- The Central Electronics Control Module (J519) is located beneath the driver's dashboard area



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### Important Connector Notes

- The connector supplied with the outer harness may differ slightly from the original European taillight connector due to limited availability.
- The provided connector may lack the necessary keyway.

#### Installation Tips:

- Gently rock the connector side-to-side while inserting to securely bypass the keyway.
  - Alternatively, manually modify the connector keyway using a razor blade or file for easier fitment, if comfortable doing so.
  - Some taillights may come pre-modified; verify connector conditions before altering.
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### Final Steps

1. Reconnect the vehicle battery.
2. Perform thorough testing:
  - Verify functionality of rear fog lights, turn signals, running lights, and dynamic lighting.

- Confirm no dashboard warning lights or errors appear.

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### Troubleshooting

- **Issue:** Both turn signals flashing simultaneously as hazards.
- **Cause:** Incorrect wiring or connector pin alignment (left/right signals reversed).
- **Solution:** Verify correct connections according to pin colors and connector identification.
- **General Recommendations:**
  - Double-check all connectors are securely fastened.
  - Confirm all pin and color alignments meticulously.

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