

MK8 IQ Taillight Retrofit (Hardwire)

Overview

This harness integrates **MK8 IQ taillights** onto **MQB-based vehicles** using a **hardwired configuration**.

It enables full European-style functionality, including **dynamic turn signals**, **rear fog**, and **separate brake and running light channels**.

A compatible **data set** is required for full operation.

Note:

- The required data set is supplied by **ACM Technic** and is **not included**.
- Without the data set, all lighting functions will operate except the **inner turn signals** and **rear fog light(s)**.
- The harness is pre-configured for **dual rear fogs**.
To run a single fog only, cut the **green wire** on the side you wish to disable (located near the taillight junction).

Included Components

- Four taillight harnesses (outer + inner)
- Central junction harness
- Two loose 4-pin connectors
- Two loose 2-pin connectors

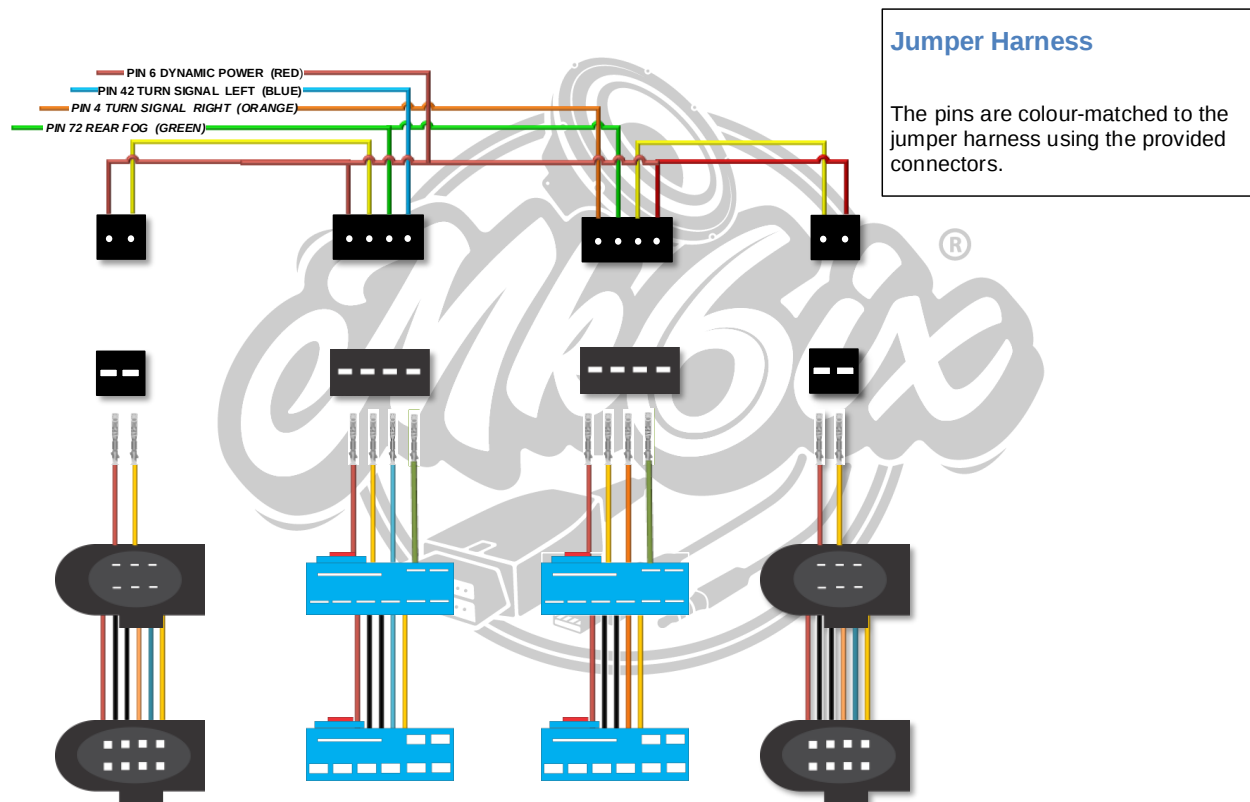
Preparation

1. Turn off ignition and remove the key.
 2. Open the hood — keep it **open during coding or testing**.
 3. Wait until the vehicle **enters sleep mode** (relay click, cluster lights fade).
 4. Disconnect the negative battery terminal.
 5. Review the included **junction-harness diagram** to plan routing.
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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

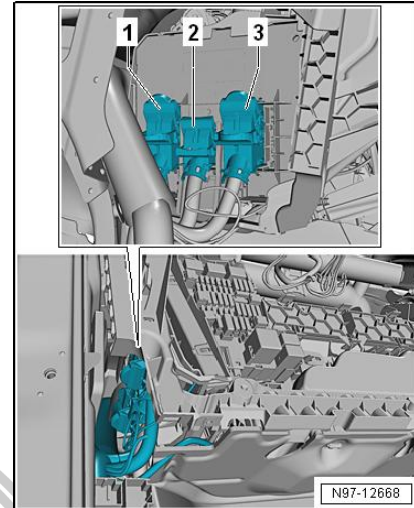


Note: Match colors carefully to ensure proper function.

Module Location:

The **CECM (J519)** is located **beneath the driver's side dashboard**.

Route the harness forward along the OEM path and secure it before making final connections.



Connector Fitment Note

The supplied **outer-light connector** may differ slightly from the European original and might lack the keyway notch.

- Insert carefully with a light rocking motion until seated.
- If necessary, you may **trim a small keyway notch** for smoother fitment.
- Verify connector seating before applying pressure.

Final Assembly

1. Reconnect the battery.
 2. Verify all connections and wire color alignment.
 3. Reinstall any removed trim or grommets.
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Testing

1. Turn ignition ON.
 2. Test each function:
 - Running lights
 - Brake lights
 - Left / Right turn signals
 - Reverse light
 - Rear fogs (single or dual)
 3. Confirm no dash errors or warnings.
 4. Turn ignition OFF, close doors, and wait 3–5 minutes for the vehicle to sleep.
 5. Recheck light behavior after wake-up.
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Troubleshooting

Issue	Cause	Solution
Both turn signals flash together	Left / right wires swapped	Verify orange = right, blue = left
Rear fog inoperative	Green wire cut or mis-pinned	Check continuity and harness side
Warning light shown	Pin out of position	Confirm pin seating at CECM connectors

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