

# MK7.5 to MK7.5 Tail Harness (MQB)

---

## Overview

This guide outlines the installation and coding process for adapting **MK7.5 taillights** on an **MK7.5 MQB vehicle** using a **plug-and-play harness**.

All four taillights connect directly through pre-terminated connectors..

---

## Harness Description

- Each side includes **outer and inner taillight harnesses** that interconnect via a **3-pin connector**.
  - Both harnesses are **pre-depinned and wrapped** to simplify routing through factory grommets.
  - Once routed, remove the protective tape and **match the wire colors** between the inner and outer harnesses before inserting them into the provided **3-pin connectors**.
  - The **left harness connects to the left taillight** and the **right harness connects to the right taillight**.
  - Once complete, all wiring remains hidden behind factory panels for a clean OEM finish.
- 

## Preparation

1. Turn off the ignition and remove the key.
2. Open the hood — it must remain **open during coding or testing**.
3. Wait for the vehicle to **enter sleep mode** (you'll hear relays click and the cluster lights fade).
4. Remove trunk liner panels to access taillight connectors.
5. Route the harness through the factory grommets and connect the inner and outer taillights.

---

## Accessing the Central Electronics Control Module (CECM)

### Using VCDS

1. Turn ignition ON.
2. Open **VCDS** → **[Select Control Module]** → **[09 – Central Electronics (CECM)]**.
3. Choose **[Security Access – 16]**, enter **31347**.
4. Select **[Adaptation – 10]**.
5. In the search bar, type **“Leuchte”** to locate light channels.
6. Apply coding values according to the reference table for your configuration.
7. Save changes and exit.

### Using OBDeleven

1. Turn ignition ON and connect your OBDeleven dongle.
2. Open the app → **Control Units** → **09 Central Electronics (CECM)**.
3. Tap **Security Access**, enter **31347**, then select **Adaptations**.
4. Use the search bar to locate the **Leuchte channels**.
5. Adjust coding according to your table, saving after each change.

**Important:** After saving, turn ignition OFF, close all doors, and wait **3–5 minutes** for the car to go to sleep. Changes will only take effect once the CECM resets.

## Coding Adjustments

| LEUCHTE 20 (BRAKE LIGHT LEFT) | #  | Property                          | Value                  |
|-------------------------------|----|-----------------------------------|------------------------|
|                               | 1  | Lasttyp                           | 34 - LED Blinkleuchten |
|                               | 2  | Lampendefektbitposition           | 09                     |
|                               | 3  | Fehlerort mittleres Byte DTC-DFCC | 2B                     |
|                               | 4  | Lichtfunktion A                   | Brake light            |
|                               | 5  | Lichtfunktion B                   | not active             |
|                               | 6  | Dimmwert AB                       | 127                    |
|                               | 7  | Lichtansteuerung HD AB            | Always                 |
|                               | 8  | Lichtfunktion C                   | not active             |
|                               | 9  | Lichtfunktion D                   | not active             |
|                               | 10 | Dimmwert CD                       | 0                      |
|                               | 11 | Dimming Direction CD              | minimize               |
|                               | 12 | Lichtfunktion E                   | not active             |
|                               | 13 | Lichtfunktion F                   | not active             |
|                               | 14 | Dimmwert EF                       | 0                      |
|                               | 15 | Dimming Direction EF              | maximize               |
|                               | 16 | Lichtfunktion G                   | not active             |
|                               | 17 | Lichtfunktion H                   | not active             |
|                               | 18 | Dimmwert GH                       | 0                      |
|                               | 19 | Dimming Direction GH              | maximize               |

| LEUCHTE 21 (BRAKE LIGHT RIGHT) | #  | Property                          | Value                  |
|--------------------------------|----|-----------------------------------|------------------------|
|                                | 1  | Lasttyp                           | 34 - LED Blinkleuchten |
|                                | 2  | Lampendefektbitposition           | 19                     |
|                                | 3  | Fehlerort mittleres Byte DTC-DFCC | 2D                     |
|                                | 4  | Lichtfunktion A                   | Brake light            |
|                                | 5  | Lichtfunktion B                   | not active             |
|                                | 6  | Dimmwert AB                       | 127                    |
|                                | 7  | Lichtansteuerung HD AB            | always                 |
|                                | 8  | Lichtfunktion C                   | not active             |
|                                | 9  | Lichtfunktion D                   | not active             |
|                                | 10 | Dimmwert CD                       | 0                      |
|                                | 11 | Dimming Direction CD              | minimize               |
|                                | 12 | Lichtfunktion E                   | not active             |
|                                | 13 | Lichtfunktion F                   | not active             |
|                                | 14 | Dimmwert EF                       | 0                      |
|                                | 15 | Dimming Direction EF              | maximize               |
|                                | 16 | Lichtfunktion G                   | not active             |
|                                | 17 | Lichtfunktion H                   | not active             |
|                                | 18 | Dimmwert GH                       | 0                      |
|                                | 19 | Dimming Direction GH              | maximize               |

| LEUCHTE 23 (RUNNING LIGHT LEFT) | #  | Property                          | Value                                                                 |
|---------------------------------|----|-----------------------------------|-----------------------------------------------------------------------|
|                                 | 1  | Lasttyp                           | 43-allegemeine LED                                                    |
|                                 | 2  | Lampendefektbitposition           | 0A                                                                    |
|                                 | 3  | Fehlerort mittleres Byte DTC-DFCC | 29                                                                    |
|                                 | 4  | Lichtfunktion A                   | Standlicht allgemein (schlusslicht; Positionslicht, begrenzungslight) |
|                                 | 5  | Lichtfunktion B                   | not active                                                            |
|                                 | 6  | Dimmwert AB                       | 127                                                                   |
|                                 | 7  | Lichtansteuerung HD AB            | always                                                                |
|                                 | 8  | Lichtfunktion C                   | not active                                                            |
|                                 | 9  | Lichtfunktion D                   | not active                                                            |
|                                 | 10 | Dimmwert CD                       | 0                                                                     |
|                                 | 11 | Dimming Direction CD              | maximize                                                              |
|                                 | 12 | Lichtfunktion E                   | not active                                                            |
|                                 | 13 | Lichtfunktion F                   | not active                                                            |
|                                 | 14 | Dimmwert EF                       | 0                                                                     |
|                                 | 15 | Dimming Direction EF              | maximize                                                              |
|                                 | 16 | Lichtfunktion G                   | not active                                                            |
|                                 | 17 | Lichtfunktion H                   | not active                                                            |
|                                 | 18 | Dimmwert GH                       | 0                                                                     |
|                                 | 19 | Dimming Direction GH              | maximize                                                              |

| LEUCHTE 24 (RUNNING LIGHT RIGHT) | #  | Property                          | Value                                                                 |
|----------------------------------|----|-----------------------------------|-----------------------------------------------------------------------|
|                                  | 1  | Lasttyp                           | 43-allegemeine LED                                                    |
|                                  | 2  | Lampendefektbitposition           | 1A                                                                    |
|                                  | 3  | Fehlerort mittleres Byte DTC-DFCC | 2A                                                                    |
|                                  | 4  | Lichtfunktion A                   | Standlicht allgemein (schlusslicht; Positionslicht, begrenzungslight) |
|                                  | 5  | Lichtfunktion B                   | not active                                                            |
|                                  | 6  | Dimmwert AB                       | 127                                                                   |
|                                  | 7  | Lichtansteuerung HD AB            | always                                                                |
|                                  | 8  | Lichtfunktion C                   | not active                                                            |
|                                  | 9  | Lichtfunktion D                   | not active                                                            |
|                                  | 10 | Dimmwert CD                       | 0                                                                     |
|                                  | 11 | Dimming Direction CD              | maximize                                                              |
|                                  | 12 | Lichtfunktion E                   | not active                                                            |
|                                  | 13 | Lichtfunktion F                   | not active                                                            |
|                                  | 14 | Dimmwert EF                       | 0                                                                     |
|                                  | 15 | Dimming Direction EF              | maximize                                                              |
|                                  | 16 | Lichtfunktion G                   | not active                                                            |
|                                  | 17 | Lichtfunktion H                   | not active                                                            |
|                                  | 18 | Dimmwert GH                       | 0                                                                     |
|                                  | 19 | Dimming Direction GH              | maximize                                                              |

| LEUCHTE 16 (TURN SIGNAL LEFT) | #  | Property                          | Value                    |
|-------------------------------|----|-----------------------------------|--------------------------|
|                               | 1  | Lasttyp                           | 38 - LED Blinkleuchten   |
|                               | 2  | Lampendefektbitposition           | 00                       |
|                               | 3  | Fehlerort mittleres Byte DTC-DFCC | 42                       |
|                               | 4  | Lichtfunktion A                   | Blinken rechts Hellphase |
|                               | 5  | Lichtfunktion B                   | not active               |
|                               | 6  | Dimmwert AB                       | 127                      |
|                               | 7  | Lichtansteuerung HD AB            | always                   |
|                               | 8  | Lichtfunktion C                   | not active               |
|                               | 9  | Lichtfunktion D                   | not active               |
|                               | 10 | Dimmwert CD                       | 0                        |
|                               | 11 | Dimming Direction CD              | maximize                 |
|                               | 12 | Lichtfunktion E                   | not active               |
|                               | 13 | Lichtfunktion F                   | not active               |
|                               | 14 | Dimmwert EF                       | 0                        |
|                               | 15 | Dimming Direction EF              | maximize                 |
|                               | 16 | Lichtfunktion G                   | not active               |
|                               | 17 | Lichtfunktion H                   | not active               |
|                               | 18 | Dimmwert GH                       | 0                        |
|                               | 19 | Dimming Direction GH              | maximize                 |

| LEUCHTE 17 (TURN SIGNAL RIGHT) | #  | Property                          | Value                   |
|--------------------------------|----|-----------------------------------|-------------------------|
|                                | 1  | Lasttyp                           | 38 - LED Blinkleuchten  |
|                                | 2  | Lampendefektbitposition           | 00                      |
|                                | 3  | Fehlerort mittleres Byte DTC-DFCC | 41                      |
|                                | 4  | Lichtfunktion A                   | Blinken links Hellphase |
|                                | 5  | Lichtfunktion B                   | not active              |
|                                | 6  | Dimmwert AB                       | 127                     |
|                                | 7  | Lichtansteuerung HD AB            | always                  |
|                                | 8  | Lichtfunktion C                   | not active              |
|                                | 9  | Lichtfunktion D                   | not active              |
|                                | 10 | Dimmwert CD                       | 0                       |
|                                | 11 | Dimming Direction CD              | maximize                |
|                                | 12 | Lichtfunktion E                   | not active              |
|                                | 13 | Lichtfunktion F                   | not active              |
|                                | 14 | Dimmwert EF                       | 0                       |
|                                | 15 | Dimming Direction EF              | maximize                |
|                                | 16 | Lichtfunktion G                   | not active              |
|                                | 17 | Lichtfunktion H                   | not active              |
|                                | 18 | Dimmwert GH                       | 0                       |
|                                | 19 | Dimming Direction GH              | maximize                |

# LEUCHTE 27 (DYNAMIC)

| #  | Property                          | Value                                                            |
|----|-----------------------------------|------------------------------------------------------------------|
| 1  | Lasttyp                           | 36 - LED Kleinleistung                                           |
| 2  | Lampendefektbitposition           | 00                                                               |
| 3  | Fehlerort mittleres Byte DTC-DFCC | 00                                                               |
| 4  | Lichtfunktion A                   | Aktive Blinkfunktion hat ein auf 1 gesetztes zugeordnetes bit in |
| 5  | Lichtfunktion B                   | not active                                                       |
| 6  | Dimmwert AB                       | 127                                                              |
| 7  | Lichtansteuerung HD AB            | always                                                           |
| 8  | Lichtfunktion C                   | not active                                                       |
| 9  | Lichtfunktion D                   | not active                                                       |
| 10 | Dimmwert CD                       | 0                                                                |
| 11 | Dimming Direction CD              | maximize                                                         |
| 12 | Lichtfunktion E                   | not active                                                       |
| 13 | Lichtfunktion F                   | not active                                                       |
| 14 | Dimmwert EF                       | 0                                                                |
| 15 | Dimming Direction EF              | maximize                                                         |
| 16 | Lichtfunktion G                   | not active                                                       |
| 17 | Lichtfunktion H                   | not active                                                       |
| 18 | Dimmwert GH                       | 0                                                                |
| 19 | Dimming Direction GH              | maximize                                                         |

# LEUCHTE 29 (REVESE LIGHT)

| #  | Property                          | Value               |
|----|-----------------------------------|---------------------|
| 1  | Lasttyp                           | 43 - allgemeine LED |
| 2  | Lampendefektbitposition           | 1B                  |
| 3  | Fehlerort mittleres Byte DTC-DFCC | 32                  |
| 4  | Lichtfunktion A                   | Rueckfahrlicht      |
| 5  | Lichtfunktion B                   | not active          |
| 6  | Dimmwert AB                       | 127                 |
| 7  | Lichtansteuerung HD AB            | always              |
| 8  | Lichtfunktion C                   | not active          |
| 9  | Lichtfunktion D                   | not active          |
| 10 | Dimmwert CD                       | 0                   |
| 11 | Dimming Direction CD              | maximize            |
| 12 | Lichtfunktion E                   | not active          |
| 13 | Lichtfunktion F                   | not active          |
| 14 | Dimmwert EF                       | 0                   |
| 15 | Dimming Direction EF              | maximize            |
| 16 | Lichtfunktion G                   | not active          |
| 17 | Lichtfunktion H                   | not active          |
| 18 | Dimmwert GH                       | 0                   |
| 19 | Dimming Direction GH              | maximize            |

*You can enable the sweep for turn signals, hazards and locking in 6 parameters individually (Active = sweep, not active = no sweep).*

*If you search for "Außenlicht" on VCDS or OBDeleven please notice the letter "ß" is a special German letter that equals "ss" and not B.*

|                 |                                                                    |        |
|-----------------|--------------------------------------------------------------------|--------|
| ENABLE SWEEPING | Außenlicht_Blinker-Richtungs_blinken_links (Turn signal left)      | Active |
|                 | Außenlicht_Blinker-Richtungs_blinken_rechts (Turn signal right)    | Active |
|                 | Außenlicht_Blinker-Warnblinken_Zuendung_AUS (Hazards ignition off) | Active |
|                 | Außenlicht_Blinker-Warnblinken_Zuendung_EIN (Hazards ignition on)  | Active |
|                 | Außenlicht_Blinker-ZV_Blinken_auf (unlock)                         | Active |
|                 | Außenlicht_Blinker-ZV_Blinken_zu (lock)                            | Active |

**Note:**

- When searching for "Außenlicht" in VCDS or OBD11, note that "ß" equals "ss," not "B".
- 

**Troubleshooting Common Issues**

- **Issue:** Both turn signals flash together (hazards).
- **Cause:** Incorrect coding distinction between left/right signals.
- **Solution:** Verify the coding line carefully:
  - "Blinken links Hellphase" (Left)
  - "Blinken rechts Hellphase" (Right)

**General Recommendations:**

- Ensure connectors are securely seated.
  - Double-check coding for accuracy.
- 

**Final Steps**

- Clear fault codes using diagnostic software.
- Test taillights thoroughly, checking:
  - Brake lights
  - Running lights
  - Turn signals
  - Reverse lights

- Copyright © [WWW.MK6IX.COM](http://WWW.MK6IX.COM) 2025 – All rights reserved

