HL-MK6-1014-R1 - HEADLIGHT - MK6 (10-PIN TO 14-PIN CONVERSION PQ35) - Install Guide

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Overview

This harness adapts **factory halogen headlights (10-pin)** to **OEM Bi-Xenon or LED headlights (14-pin)** on the **PQ35 platform**.
It provides full OEM-style functionality for **low beam**, **high beam shutter**, **DRL**, and **turn signal**, all controlled through the **CECM (Central Electronics Control Module)**.
This setup is completely **plug-and-play** — no external power taps, relays, or modifications required.

Harness Description

- The kit includes **two identical harnesses**, one for each headlight.
- Each harness converts the **10-pin factory connector** to a **14-pin Bi-Xenon/LED connector**.
- The **shutter (high beam solenoid)** signal is routed through the factory high-beam circuit.
- DRL, low beam, and turn signal are controlled directly by the CECM.
- All connectors are OEM-type with proper seals and terminal locks for factory-fit installation.

Preparation

1. Turn off the ignition and remove the key.
2. Open the hood — it must remain **open during all coding changes**.
3. Wait for the vehicle to **enter sleep mode** (you'll hear relays click and the cluster lights fade).
4. Disconnect the negative battery terminal.

5. Install both harnesses, connecting each **10-pin body-side plug** to the **14-pin headlight connector**.
6. Route the wires along the OEM path and secure them neatly with tape or clips.

Accessing the Central Electronics Control Module (CECM)

Using VCDS

1. Turn the ignition ON.
2. Open **VCDS → [Select Control Module] → [09 – Central Electronics (CECM)]**.
3. Select **[Security Access – 16]**, enter **31347**.
4. Choose **[Coding – 07] → [Long Coding Helper]**.
5. Apply the following changes:
    - **Byte 18:** Set to *Bi-Xenon with LED DRL*.
    - **Byte 21, Bit 2:** Enable *Bi-Xenon shutter (high beam)*.
    - **Byte 23, Bit 4:** Enable *DRL via LED module*.
6. Click **Do It!** to save and exit.

Using OBDeleven

1. Connect and open **OBDeleven → Control Units → 09 Central Electronics (CECM)**.
2. Tap **Long Coding**.
3. Locate **Byte 18** and set it to *Bi-Xenon with LED DRL*.
4. Apply the same bit changes as above.
5. Save and back out.

⚠️ **Important:** After saving, turn the ignition OFF, close all doors, and wait **3–5 minutes** for the car to go to sleep. The CECM must fully reset for the changes to take effect.

Coding Verification (PQ35)

Byte 18 values confirmed for PQ35 CECM (1K0 937 087 series):

Configuration	Value (Hex)	Notes
Halogen (factory)	15	Default from factory
Bi-Xenon with LED DRL	21	Recommended retrofit setting

Testing

1. Turn ignition ON.
2. Verify the following functions:
   - DRL operation
   - Low beam
   - High beam shutter activation
   - Turn signals
3. If flickering or errors appear, confirm **Byte 18** saved correctly and that both harnesses are seated securely.

Final Steps

1. Clear any DTCs from the CECM.
2. Close the hood and reinstall headlight covers.
3. Perform a final light function test with the ignition ON.

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