

MK6 GLI (PQ35) – ALPTECH CLEAR TAILLIGHT INSTALL GUIDE

Overview

This guide covers the installation for **ALPTECH Clear LED taillights** on the **MK6 GLI (PQ35 platform)**.

This harness converts the factory LED taillight setup into the **5-pin configuration** required by ALPTECH lights.

The latest version of this harness has been engineered for **full compatibility with OEM PWM output**, meaning **no coding adjustments are required**.

Harness Description

- Designed **specifically for ALPTECH Clear LED taillights**.
 - Both **outer and inner taillights** are linked together on each side.
 - Each **outer taillight** connects to its corresponding **inner taillight** through a **two-pin connector (red wire)**.
 - **Inner connectors** are interchangeable.
 - **Outer taillights** include a **4-pin connector** for the supplied resistors.
 - The **resistors must remain connected** at all times to prevent error codes.
 - Route the harness along the **driver's side trunk trim**, leaving slack at the hinge for trunk movement.
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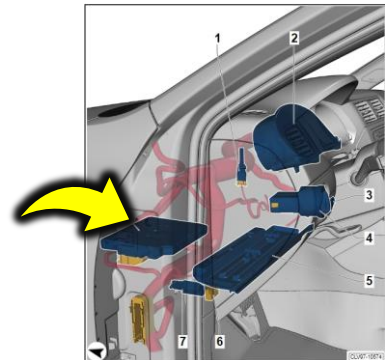
Harness Routing

1. Connect both **outer and inner taillight plugs** on each side.
2. Route the main harness along the **driver's side interior** toward the **CECM** (beneath the steering wheel).
3. The harness length provides about **15 feet of wire** to reach the CECM.
4. Secure the wiring neatly along OEM paths using **fabric loom tape** or **factory clips**.

CECM Wiring and Pinout

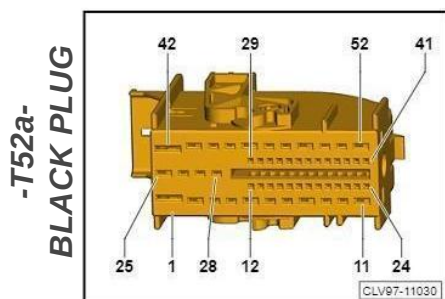
Connect each wire exactly as shown below. All pin assignments are verified for the PQ35 platform.

CECM Location



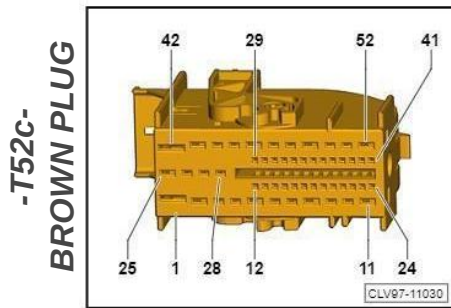
Connector T52a (52-pin black connector)

Pin Number	Function	Factory Wire Color	Harness Wire Color
45	High-Level Brake Light	Red/Black	Orange
10	Left Turn Signal (Front Feed)	Black/White	Red



Connector T52c (52-pin brown connector)

Pin Number	Function	Factory Wire Color	Harness Wire Color
50	Right Turn Signal (Front Feed)	Black/Green	Yellow



Connection Method

1. Turn ignition **OFF** and **disconnect the battery**.
2. Use **soldered connections** for best reliability.
3. **Heat-shrink and insulate** all joints properly.
4. If soldering isn't possible, **wire taps** may be used (included).
5. Once complete, **reconnect the battery** before testing.

Testing

1. Turn ignition **ON**.
 2. Confirm all light functions:
 - **Brake lights** illuminate evenly.
 - **Left and right turn signals** operate correctly.
 - **No flicker or bulb-out warnings** appear.
 3. If any function behaves incorrectly, double-check **pin placement** and **connections** at the CECM.
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Notes

- Always verify **pin positions** before connecting to the CECM.
 - Do **not modify or repurpose** this harness for other taillight brands.
 - This harness is **specific to ALPTECH Clear Taillights** only.
 - **MK6IX** is not responsible for issues resulting from incorrect installation or wiring errors.
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