

MK7 (MQB) Fog Light Coding Guide

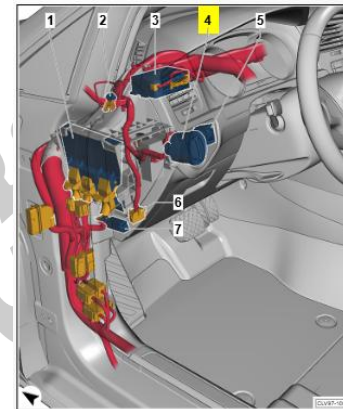
Harness Description

The harness includes **left and right fog light outputs** that plug directly into the CECM. Both wires terminate in pre-crimped OEM terminals for the T73B connector. A separate **trigger wire** is included for vehicles not factory-wired for the fog-switch signal.

If your vehicle's headlight switch Pin 5 is empty, use the included blue wire to connect:

- **Headlight switch Pin 5 → CECM Connector A (T73a), Pin 29.**
This sends the fog activation signal to the BCM.

If Pin 5 already has a wire, the car is prewired, and the extra wire is not needed.

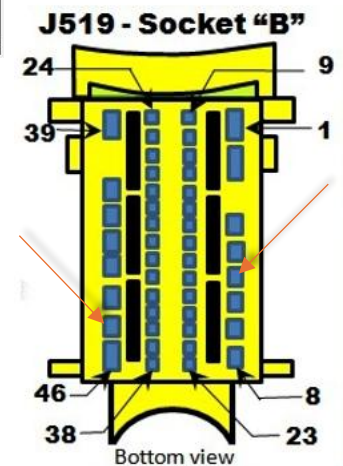


Wiring Instructions

- **Yellow/Black** → CECM Socket B, Pin 45 (Front Left Fog)
- **Yellow/Red** → CECM Socket B, Pin 5 (Front Right Fog)
- Both fog grounds → Chassis ground near the BCM (J519).

Use a T30 and trim tools to remove the bumper and route the harness neatly.

Use a pick tool to unlock and insert pins into the CECM connector



Installation Notes

Bumper removal is required to mount the fog light housings and route wiring.

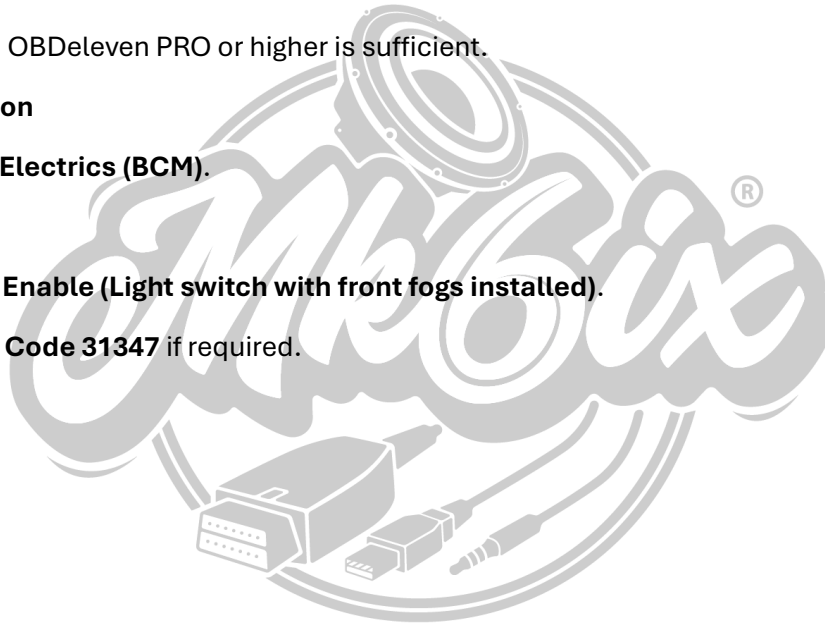
Ensure the harness is properly secured before reinstalling the bumper. Secure wiring away from sharp edges and heat sources.

Coding – VCDS / OBDeleven

Both tools achieve the same result. OBDeleven PRO or higher is sufficient.

Step 1 – Enable Fog Switch Function

1. Open **Module 09 – Central Electrics (BCM)**.
2. Select **Long Coding**.
3. Navigate to **Byte 07, Bit 3 → Enable (Light switch with front fogs installed)**.
4. Perform **Security Access → Code 31347** if required.



Step 2 — Assign new light circuits

Left side fog — Leuchte12NL	#	Property	Value
	1	Lasttyp	6 - LED Lichtmodul
	2	Lampendefektbitposition	38
	3	Fehlerort mittleres Byte DTC-DFCC	22
	4	Lichtfunktion A	Nebellicht links
	5	Lichtfunktion B	Abbiegelicht links
	6	Dimmwert AB	127
	7	Lichtansteuerung HD AB	always

Right side fog — Leuchte13NL	#	Property	Value
	1	Lasttyp	6 - LED Lichtmodul
	2	Lampendefektbitposition	42
	3	Fehlerort mittleres Byte DTC-DFCC	23
	4	Lichtfunktion A	Nebellicht rechts
	5	Lichtfunktion B	Abbiegelicht rechts
	6	Dimmwert AB	127
	7	Lichtansteuerung HD AB	always

NOTE

Some BCM versions may list these as “Leuchte12NL LB45 / Leuchte13NL RB5” or “Leuchte B45/B5.” Ensure both sides are coded identically.

Function Test

1. Turn ignition ON.
2. Set switch to **Parking Lights** or **Low Beam**, then **pull the fog switch once** to activate fogs.
3. Verify both fog lights illuminate and the **fog indicator appears on the cluster**.
4. Test fog behavior with high beams ON to confirm region-specific operation (some setups disable fogs during high beam use).

Troubleshooting

Issue	Possible Cause	Solution
Fogs not activating	Missing trigger wire or incorrect coding	Check headlight switch Pin 5 and CECM Pin 29 connection.
One fog not working	Pin not fully seated or incorrect BCM slot	Reinsert terminal and confirm location.
Cluster fog icon not showing	Byte 07 Bit 3 not enabled	Enable “Light switch with front fogs installed.”

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