

# ECS TUNING

## Installation Procedures

### HID (High Intensity Discharge) Headlight Conversion Harness Kit

for VW MKVI (2010+)  
**ES2551019**



This tutorial is provided as a courtesy by ECS Tuning.

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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HID (High Intensity Discharge)  
Headlight Conversion Harness Kit Installation  
**ES2551019**



Fits VW MKVI with HID Headlights

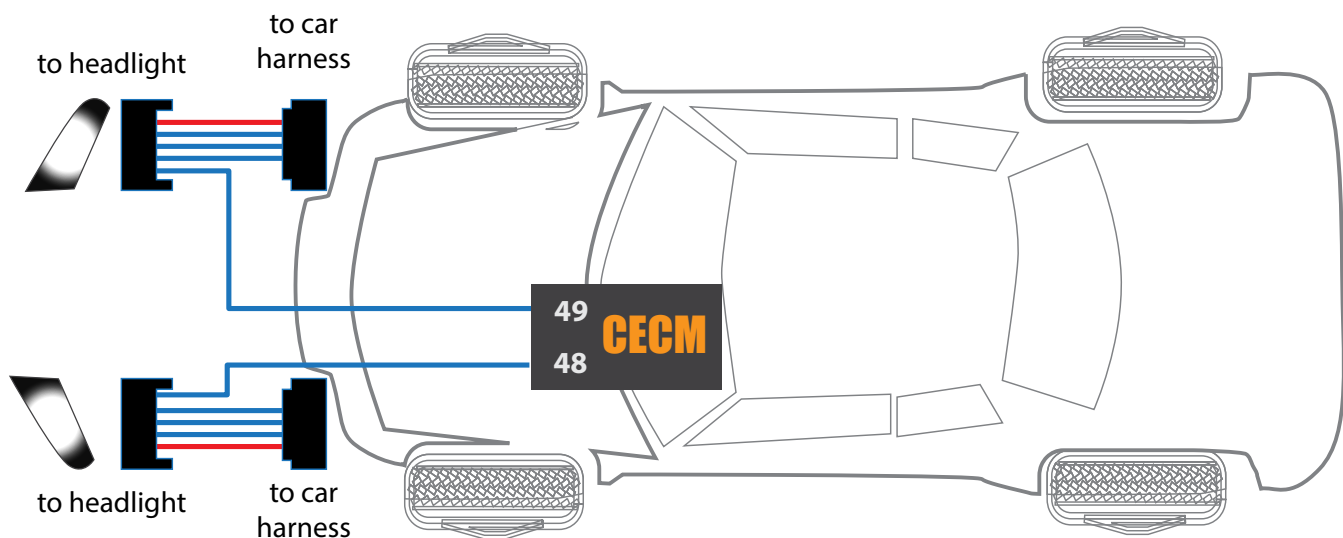
The ECS Tuning HID Conversion Harness connects the factory MKVI vehicle headlight connector to your new bi-xenon headlight assemblies.

HID Conversion kit [ES2551019](#) contains two harnesses:

- ECS-0311 (right)
- ECS-0312 (left)

The harnesses connect the male 10-pin car harness to the female 14-pin connector at each headlight.

Both harnesses also have long blue trigger wires that must be routed to the headlight control circuits inside the car. The difference between the harnesses is the size of the trigger wire electrical connectors. The electrical connector on the right side trigger wire is larger than the electrical connector on the trigger wire for the left side.



This schematic shows the general location of the connector harnesses. The long blue wires from the harnesses run into the vehicle through the firewall and connect at terminals 48 and 49 of the Central Electronics Control Module beneath the dash.

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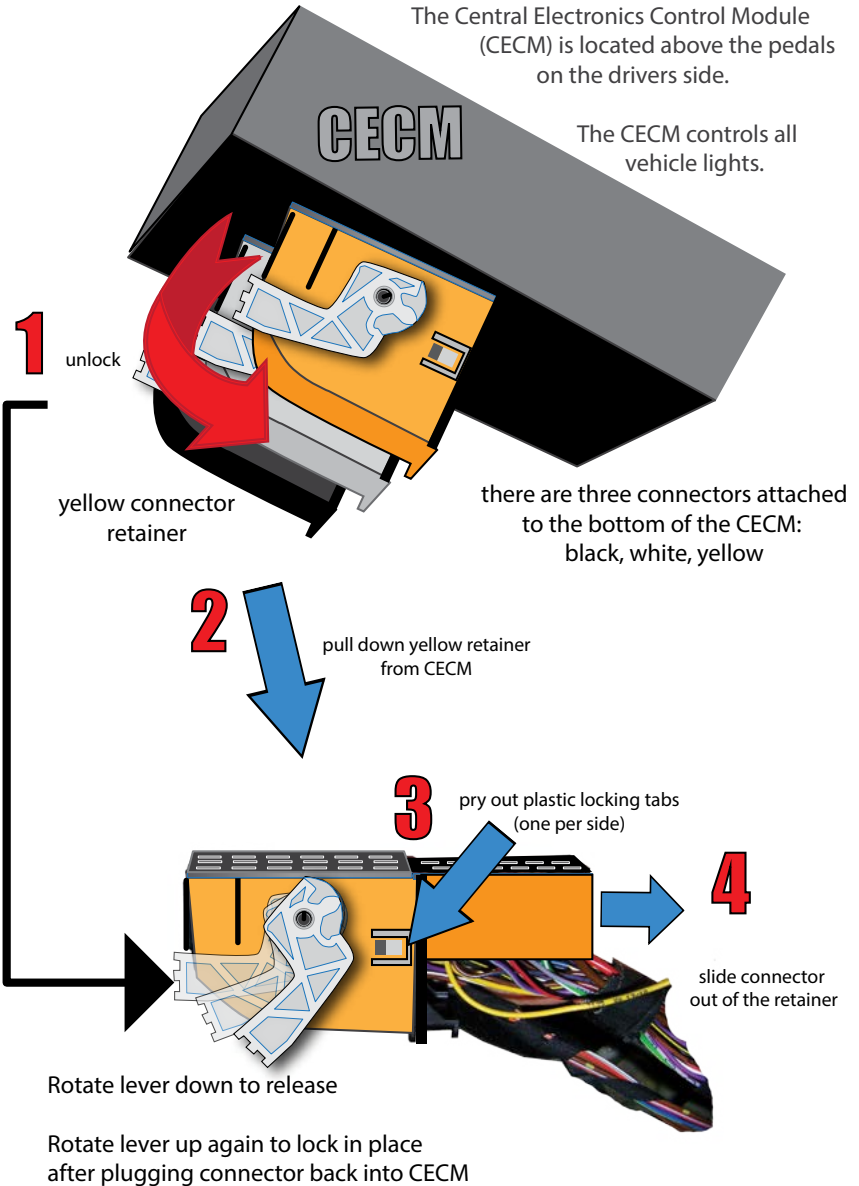
### Routing and Connecting the Blue Trigger Wires

Route the blue trigger wires from the headlight connectors through the engine compartment to the rubber grommet in the engine firewall near the brake booster. Protect the wires with convoluted tubing (ribbed wire covering), secured at several places with tie wraps.

Run the wires through the firewall grommet into the interior; route them beneath the dash to the Central Electronics Module, located above the pedal cluster, near the purple diagnostic plug. Again: Make sure both wires are routed so they will not rub, snag, or catch on any under-dash components.

Drop the yellow electrical connector retainer from the CECM using the instructions on this page. Pull on the white locking bar and pivot it down to unlock the yellow connector.

Pry on the locking tabs (step 3) and slide the wiring connector with wires out of the plastic retainer.



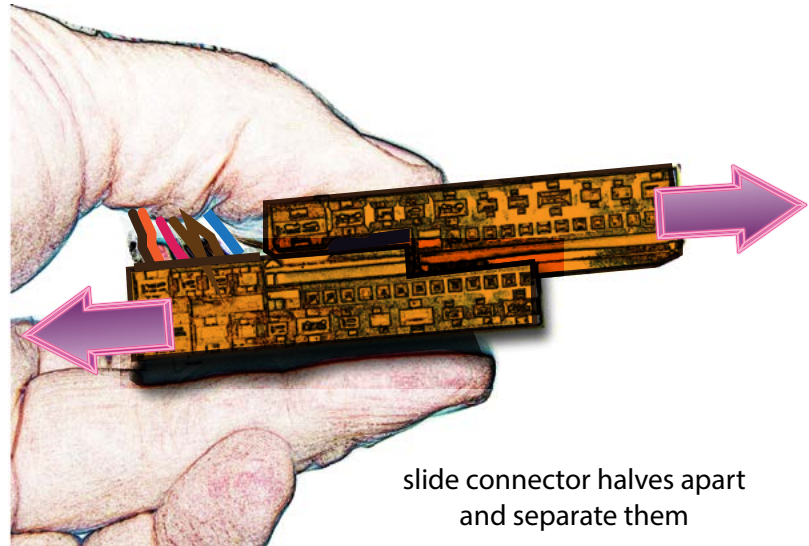
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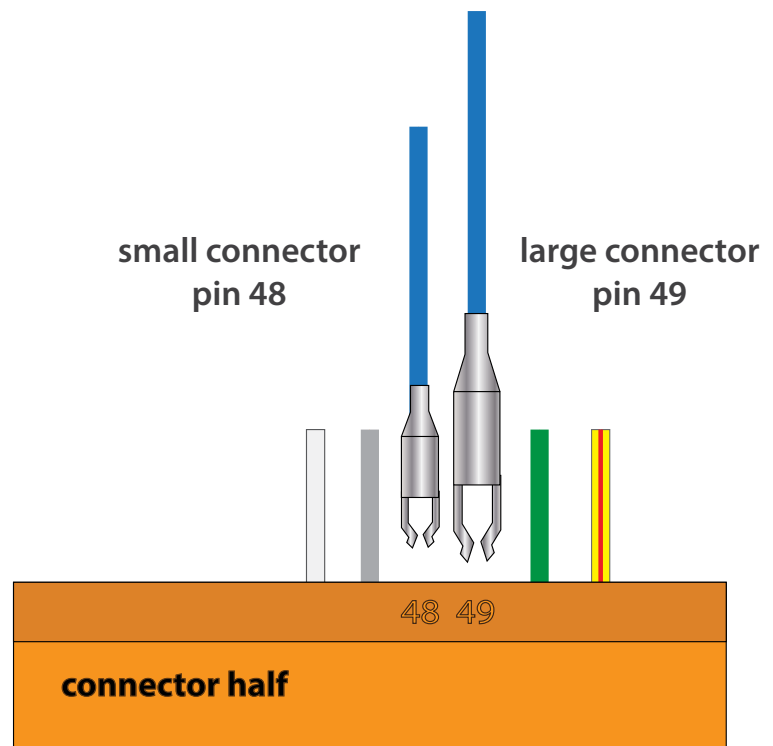
The yellow electrical connector is made of two segments that slide together like puzzle pieces.

Slide the two halves apart and separate them to expose the inner terminal locations. Each terminal location is identified by a small embossed number.



slide connector halves apart and separate them

- Locate terminals 48 and 49 in one of the connector halves.
- Insert the trigger wire with the **large** terminal into empty terminal cavity 49. Push until it locks in place with an audible click.
- Insert the trigger wire with the **small** terminal into empty terminal cavity 48. Push until it locks in place with an audible click.
- Slide the connector halves together and reinsert them into the connector retainer until they lock in place.
- Reconnect the yellow connector at the CECM and rotate the white plastic arm until it locks in place.
- Test your headlights.



This completes the HID (High Intensity Discharge)  
Headlight Conversion Harness Kit Installation.