FAE

WE DEVELOP CUSTOMIZED ELECTRONIC SENSOR SOLUTIONS

HEADLIGHT LEVELLING SENSOR

+40 PART NUMBERS | **+10k** APPLICATIONS | **+200M** VIO



Height regulation sensors accurately measure the distance between the chassis and the axles, enabling automatic adjustment of headlight angle and suspension level. They are essential in automatic lighting systems and adaptive suspension, enhancing safety and comfort under load or changing terrain conditions. Installed on the chassis and connected to the suspension arm, their contactless technology ensures high durability, reliability, and easy integration into the vehicle.



Cover
Protective sensor casing that shields the internal circuit from moisture, dirt, and mechanical damage.

Circuit Board
Electronic module that controls engine operation and signal processing.

Connector
Electrical interface between the pump and the vehicle's control system.

Sensor Arm
Articulated lever connecting the sensor to the suspension arm; it transmits axle movement to the sensor to measure height variations in the vehicle.

Suspension Arm
Connects the sensor arm to the bracket attached to the vehicle's suspension, transmitting movement to detect height changes.

Mounting Bracket
Metal structure that holds the sensor in place and connects it to the suspension wishbone.



Ref. 43024
VIO 0.54 M



Volkswagen
Bora 2.0

Ref. 43001
VIO 0.40 M



Volkswagen
Tiguan 2.0 TDi 4motion

Ref. 43006
VIO 0.38 M

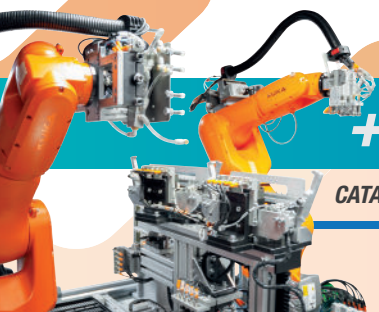


Volkswagen
Golf V 1.9 TDi

Ref. 43015
VIO 0.38 M



Volkswagen
T-Roc 1.5 TSi



Warning: After servicing the height regulation sensors, it is recommended to recalibrate both the system and the ADAS using diagnostic equipment, always following the manufacturer's instructions for each vehicle. This ensures proper operation and prevents errors due to changes in vehicle height or geometry.

+11 CATALOGUES | **+75** YEARS | **+180M²** ESD ROOM | **+1000M²** CLEAN ROOM | **+5.000** PART NUMBERS | **+12.000M²** BARCELONA

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