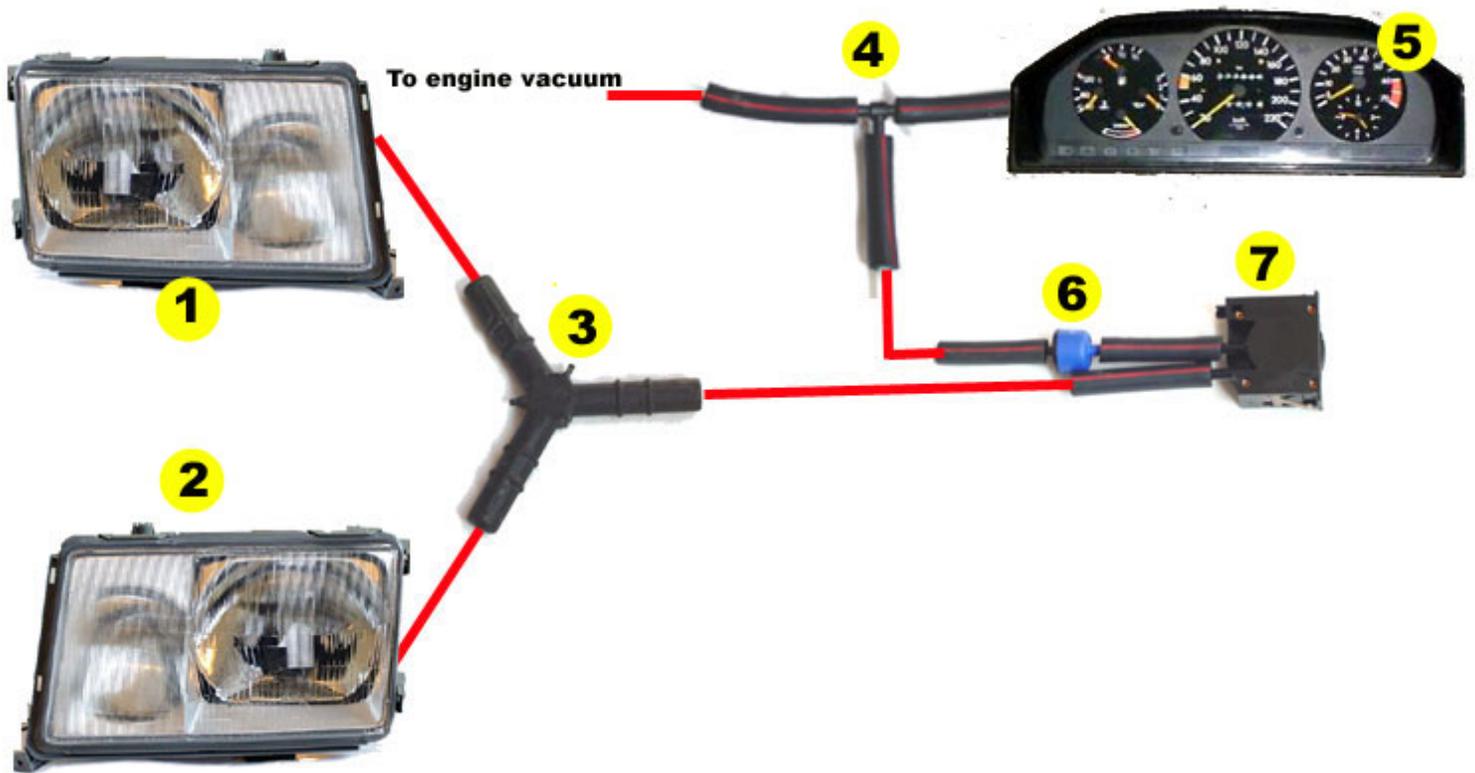


Mercedes W 201/W124/W126 Headlights level installation guide.

This diagram shows you all components of vacuum-controlled headlamp range adjustment.



First, how it works.

There is a vacuum position element on each Euro Head lamp unit connected to the swivel mount reflector via pull rod.

The regulating switch/thumbwheel has basic position "0" and range control settings 1,2 and 3.

In the basic position "0" the maximum vacuum exist on the headlight position elements and holds the reflector in its basic position

In the stage positions 1,2 or 3 a lower vacuum exist at the headlight position element, the stroke is increased and reflector are tilted.

1. Right headlight 3.Y-Connector 5.Instrument cluster.

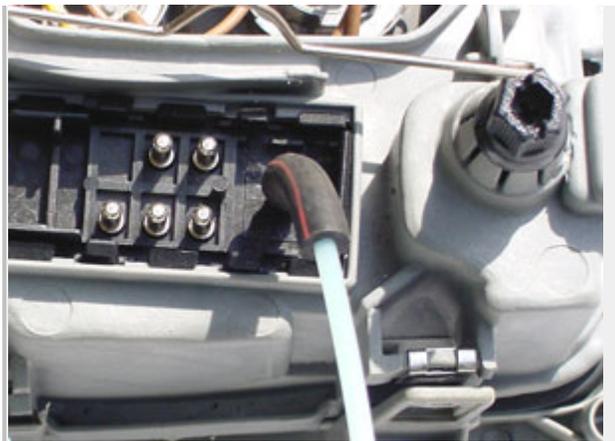
2. Left headlight 4. T-Connector 6.Check valve 7.Vacuum level switch.

How to install this kit.

First, cut a short piece of rubber hose to connect the vacuum line to the plug on the back of the right headlight(1).

Run the hard vacuum tubing under the fender joint back to the battery then beneath the cowl air intake over to the brake booster area.

Run a similar line from the back of the left headlight(2) to the brake booster area.



Pull up the floor mat behind the brake pedal, and unclip the speedometer cable clamp so it can move. Slip the wire hooks in on each side of the cluster, and ease it part way out, right side first. Unscrew the speedometer cable connection, and unplug everything else. Remove the cluster entirely.



The next step is to pull the headlight knob off while it is in the off-position. Then you can remove the 24mm locking nut using a deep socket wrench. Pull the panel out, starting with the left side. Next, pull off the light bulb holder for the face-plate light, and reinsert this into the new bezel with the cutout for the level switch.



Next, join both vacuum lines with a Y -connector(3) and get the vacuum line through the firewall. Under the cowl, on the firewall just right of the brake booster is a rubber grommet with several lines through it. Using needle-nose pliers, carefully pull out one of the unused nipples, then feed a length of vacuum tubing from the Y through the nipple. The other end of the tube should appear somewhere behind the instrument cluster on the left hand side. This line must be long enough to reach the new level control switch near the headlight switch.



Your vacuum source will be the economy gauge line, which you pulled off the back of the instrument cluster(5).

Install a T-connector (4) in that line and run the new line to the level control switch(7), with a check valve(6) to allow the vacuum to work but to prevent backflow; the black side of the check valve must be toward the vacuum source (suck it and see).

If your car has no economy gauge, use another convenient vacuum source.



Reinstall the connectors and the speedometer cable behind the instrument cluster, and slide it back into place.

Push the level control into the switch panel, and install the vacuum source hose to the top connector (number 1) and the line to the headlights on the bottom connector (number 2). Reinstall the switch panel, the 24-mm nut, and the headlight switch knob.

All pictures show installation on a W124 300E, All other models as W201 and W126 are similar.

