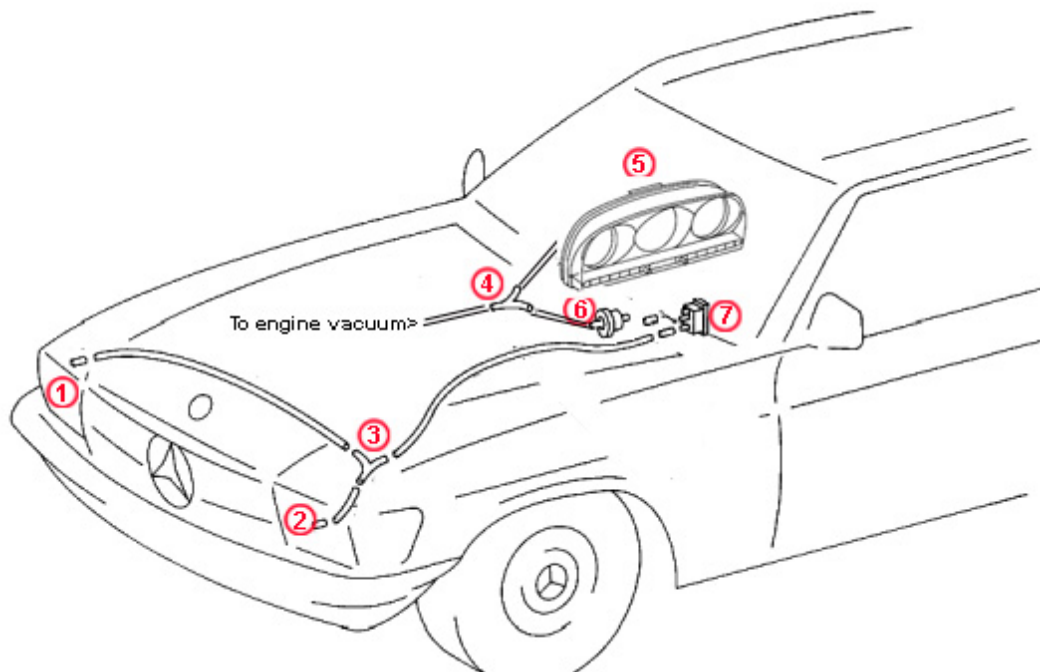


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## Mercedes W107 Headlights Adjustment Installation guide.

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 tubing to the plug on the back of the right headlight.

Run the hard vacuum tubing under the radiator support back to the left (driver) headlight.

Next, you have to connect both headlights together using the Y-connector. Connect one side of Y-connector to the left headlight and other side to vacuum tubing from right headlight. Connect the rest of hard vacuum tubing to the 3rd side of Y-connector.

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. Remove parking brake release handle and remove the nut Pull the Headlight switch panel out.Remove knee protection cover.

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.

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, the headlight switch knob and parking brake release knob with a nut. Reinstall knee protection cover.

You are done with installation!

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