

Automatic headlight switch user's Guide

(Volkswagen, Skoda series)

Ver 2.1



北京小牛狂飙科技有限公司

The product overview

This product is LETO automatic headlight switch, light sensor, control system integrated with the original headlight switch, replace the original car switch assembly, automatic headlamp function (light dark, turn on the lights automatically ; Light, turn off the lights automatically), to avoid forgetting to turn on the lights, repeatedly switching tunnels and other issues; multi-functional version also supports welcome lighting and home lighting function (from-home features).

Products Imported car special micro control chip, relays, discrete components and other components are AEC-Q100 / Q101 certified components, the product uses a dual redundant reliability design to ensure traffic safety under extreme conditions, safe, stable and reliable .

First, the installation steps

1. The original car headlight switch is placed in the closed stalls, forced depress the switch knob and turn the knob clockwise about 15 ° , so that the knob stuck in the closed file and show the middle of the file; and then pinch the knob slowly Slowly pull out the headlight switch.
2. Press and hold the latch on the harness connector behind the switch and pull out the harness.
3. Insert the removed harness into the socket on the back of the new automatic headlight switch.
4. Vehicle power, twist the new automatic headlight switch to show wide and low beam lights, the test is the light can switch normally.
5. Put the automatic headlight switch in the AUTO position, wait for 8 seconds, and then wrap the sensor head with a cloth to test whether the light can be turned on automatically.
6. Pry open the fuse box cover on the left side of the center console, out of the head cable, the sensor attached to the front of the file under the glass lighting conditions better position.
7. Reinstall the cover of the fuse box, fasten the photosensitive cable with the cable tie, and the installation is completed.
8. * Sunny, Long line, Long Island, Crystal sharp four models, the 29-bit fuse replaced 25A, other models do not need.



通常情况下单纯用手不易打开，并且还容易弄伤手指，所以我们还是建议使用一些简单的工具，如一字螺丝刀将其撬开。



撬开后将光线感应器和线拿从旁边出来准备走线。



走线前先大致量好需要线缆的长度，以免走完线后发现有多余的线无处可放影响美观。



将光线感应器黏贴在中控台的最前方，前挡风玻璃下，因为光线感应器下边本身带有双面胶，所以无需自己准备。



然后盖上保险盒的盖子，并仔细检查是否每个卡子都已经卡住并且到位。



然后再仔细将一些暴露在外的线用螺丝刀将其捅进去，以免影响美观。



The functional description

1, Auto switch lights (headlights, showing wide lights)

When the switch is in the AUTO range and the ambient brightness is lower than the setting, the wide and low beam lights are automatically turned on. When the ambient brightness is higher than the setting, the wide and low beam lights are automatically turned off.

Show wide lights, low beam light is graded open, the light dims, first open the wide lights, darker lights, turn on the headlights; sensitivity grading settings, set the method described in the follow-up instructions.

2, Three working modes (tunnel mode, normal mode, delay mode)

Tunnel mode: light 0.5 seconds delay, for high-speed multi-tunnel section

Normal mode: light delay 3.0 seconds, for normal urban lanes, to avoid frequent overpass lights turn on the lights.

Delay mode: light delay of 5.0 seconds, suitable for slow city lane, to avoid frequent overpass lights turn on the lights. (Setting method see operation instructions).

3, Battery protection (delay open headlights)

Ambient brightness is less than the set brightness, the key is turned on, the first light only shows wide lights, low light will be delayed 10 seconds after the light beam, low light started before the car can protect the car battery.

4, Emergency traffic (light near the engine after the start of light)

Ambient brightness is less than the set brightness, the engine starts, the dipped light immediately open to facilitate emergency traffic at night.

5, Manually open the front fog lights

In the AUTO range can manually switch the front and rear fog lights, the method described in the operating instructions.

(Note: the headlight switch can not be pulled out in the AUTO file before and after the knob to open the fog lights)

6, Automatic fog lights

The front fog lights automatically turn on and off with the low beam light (the default is non-linkage mode, the fog lamp brightness is large, and the fog lights on the non-rain and fog weather will affect the line of sight of the opposite car, which is prone to danger.

7, Small light day trip function

Can make show width light on the key after the power is on, as the daytime running lights. For the original car without daytime running lights models, the use of small daylight function to increase vehicle identification, increase traffic safety.

8, With my home function (turn off delay)

Switch in the AUTO file, the headlights automatically open the case, the key off, turn off the low beam will continue to light up the way home (lighting time 10-30 seconds can be set, the setting details see the follow-up instructions). (Note: multi-functional section only) <Small light multi-function is bright light>

9, Welcome and night car search function (from home function)

Switch in the AUTO file, the ambient brightness is lower than the setting, the remote control to unlock, low beam will automatically light up, easy to find car (lighting time 10-30 seconds can be set, equivalent to my home time). (Note: multi-functional section only) <Small light multi-function is bright light>

Set up instructions

This product is manufactured, according to traffic safety and lighting standards, has adjusted the default parameters, riders without any settings can be used happily; if non-special needs, keep the default parameters can be.

Sensitivity: according to safety standards; **mode of operation:** tunnel mode;
away from home time: 10 seconds; **fog lights linkage:** no linkage;

Be sure to read the setting instructions carefully before setting the operation, and pay attention to setting the item ON condition ("key ON" or "remove the key"). To avoid mistaken settings. In case of wrong setting, please execute the "Factory Reset" (item 10).



- 1、 1, show the sensitivity of wide lights (**key on**)
- 2、 The switch is stopped for more than 3 seconds at wide stop, twisting to near light, turning back to wide, then turning to near light, turning back to wide (ie from the wide stop, Quick twist between the two files back and forth)
- 3、 The indicator flashes twice to set the current brightness as the width light sensitivity, as shown in Figure 1 below.

The function of small light day trip: open at noon light is bright, set the width of the light sensitivity can be displayed.4, battery protection time (**pull out the key**)

Operation with the same sensitivity display wide light conditions, different conditions, the need to remove the key operation.

LED flashes 1 time: 8 seconds protection delay; LED flashes 2 times: 15 seconds protection delay; LED flashes 3 times: 50 seconds protection delay; LED flashes 4 times: cancel the battery protection; as shown in Figure 1 below。



图1. 示宽灯灵敏度设置



图2. 近光灯灵敏度设置

4, low beam sensitivity (key on)

Switch in the low light stop for more than 3 seconds, twist to show width, then twist back to the light profile, then twist to show wide file, and then back to the light profile (that is, between the low beam and wide beam Two back and forth) indicator flashes three times that set the current brightness of low beam sensitivity, no flash means that the current brightness is too bright or too dark, the setting failed. As shown in Figure 2 above.

5, away from home trigger sensitivity setting (pull out the key) <multi-function section switch only>
Operation with the low beam sensitivity settings, different conditions, need to remove the key operation. 1-6 level cycle switching.

Indicator flashing 1 time: Level 1; indicator flashing 2 times: Level 2; indicator flashing 3 times: Level 3;
Indicator light flashes 4 times: 4 levels; Indicator light flashes 5 times: 5 levels; Indicator light flashes 6 times: 6 levels;

6, the working mode setting (light delay setting) (key on)

Switch in O position for more than 3 seconds, twist to AUTO, then turn back to O position, and then twist to AUTO, and then turn back to O position (that is, between O position and AUTO quickly twist two back and forth) >.

LED flashes 1 time: 0.5 seconds delay lights (tunnel mode)

LED flashes twice: 3.0 seconds delay lights (normal mode)

Indicator flashes 3 times: 5.0 seconds delay light (delay mode) See Figure 3 below.

7, from - go home time (pull out the key) <multi-function section switch only>

Operation with the working mode settings, different conditions, to be removed after the key operation.
<Off, 10 seconds, 20 seconds, 30 seconds cycle switching>

Indicator light flash 1 times: 10 seconds away - home time; light flash 2 times: 20 seconds away - go home time;

Indicator flashes 3 times: 30 seconds away - home time; indicator light flashes 4 times: close away from home function;

(From the home lights completely by the battery-powered, light should not be too long, negative on the battery, the two light minimum interval of 30 seconds)



图3. 工作模式设置

4, automatic fog lights (key on)

The switch is stopped for more than 3 seconds, twist to AUTO, and then turn back to show the wide file, then twist to AUTO, then turn back to show the wide file (that is, between the wide file and AUTO quickly twist two back and forth)

The flashing of the indicator light means that the fog light is automatically turned on with the low beam light, and the flashing light means that the fog light does not turn on automatically, as shown in Figure 4 below.

5, away from home mode adjustment (key off) <multi-function section switch only>

The switch is stopped for more than 3 seconds, twist to AUTO, and then turn back to show the wide file, then twist to AUTO, then turn back to show the wide file (that is, between the wide file and AUTO quickly twist two back and forth)

Flash 1 time: Welcome and go home with me; Flash 2 times: Welcome only function; Flash 3 times: Only go home with me. See Figure 4 below.



图4. 雾灯联动设置



图5. 手动开关前、后雾灯

4, the switch before the fog lights, rear fog lights (key on) Switch in the AUTO file, low beam on the case, the switch to the 0 file, and then quickly back to the AUTO file can be opened before and after the fog lights, repeat the operation can be closed Front and rear fog lights, see above 5.

4, restore factory settings (pull out the key)

Switch in the AUTO file stop for more than 3 seconds, twist to the O file, then twist back to the AUTO file, then twist to the O file, and then back to the AUTO file (that is, between the AUTO file and the O file quickly twist two back and forth) Flash 4 times means that the factory settings have been restored, as shown in Figure 6 below.

5, the light position (rear fog light position, bright green / red) See Figure 7 below



图6. 恢复出厂设置

图7. 指示灯位置

First, the technical parameters:

Switch body	Volkswagen original headlight switch assembly
Voltage	12V
temperature	-55℃-150℃
Power consumption	1mA
Light Sensitivity range	0—1000 lx

First, warranty instructions:

This product is used for car imported components, three years free warranty, life-long maintenance.

Second, the delivery list:

1	Automatic headlight switch assembly 1 <contains sensual head>
2	Panel dismantling tools 1

3	One 25A fuse <Sunny, Long Line, Long Island, Crystal sharp, need to replace the No. 29 fuse 25A, other models do not have to> <13 years ago, Long change for 32, 13 years after the change for 29, see below
4	Several cable ties
5	1 copy of the manual



北京小牛狂飙科技有限公司

公司地址：北京市 房山区

QQ: 1603023051

商务热线: 010-56180898

Download **WeChat**, search **c941888**, add our China contact information, you can contact us more quickly.