

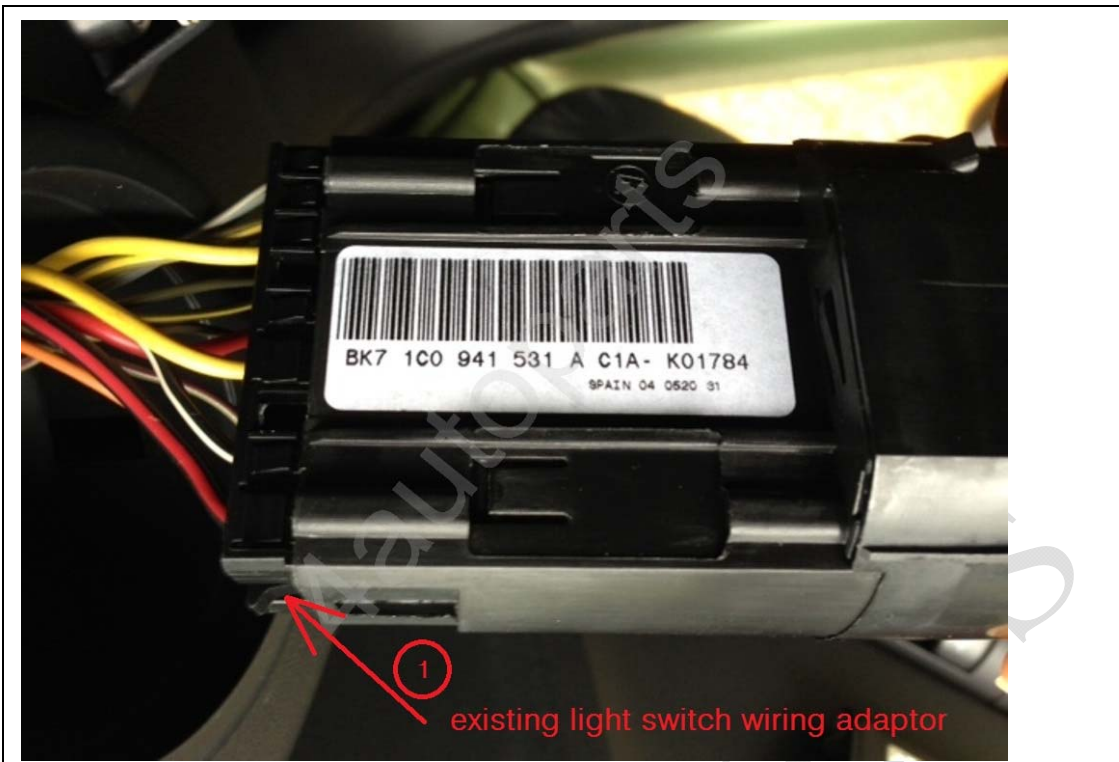
Overview of Wiring Connection Diagram



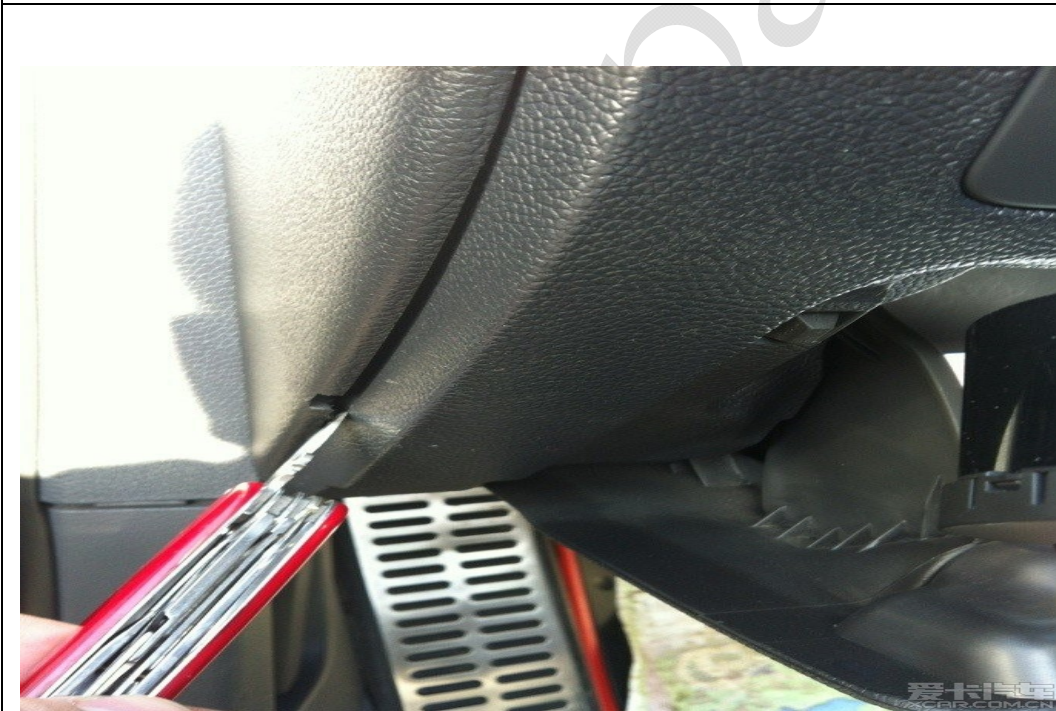
DSC-TX55 F3.5 1/4s ISO800

Step 1:- Remove the existing light switch (switch off ignition and all electrical consumers)

- turn light switch rotary knob to "0" position
- Press the rotary knob and turn slightly to right
- Hold rotary knob in this position and pull out the rotary knob to remove light switch from dash panel.



Step 2 - Disconnect the existing wiring connector



Step 3 - Remove the side cover of the dash board (near driver side)

Step 4 - Place the control module unit inside the empty space behind the dash board



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(sample photo taken from 2010 Beetle)



Step 5 - Connected the existing light switch wiring adaptor cable to the connection port of the new control module unit





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Step 6 - Connect the wiring adaptor from the new control module unit to the new "Auto" Light Switch



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Step 7 - Switch on the ignition

Step 8 - Rotate the rotary knob of light switch to "side Light" position and visual check if the side light is "On".

Step 9 - Rotate the rotary knob of light switch to "dipped beam headlight" position and visual check if the dipped beam headlight is "On"

Step 10 - Rotate the rotary knob of the new light switch to "0" position and visual check if all light is "off".

Step 11 - Wait for 12 second, rotate the rotary knob of light switch to "Auto" position, use non-transparent material to block/enclose the light sensor of the control unit and visual check if all headlight (side and dipped beam) are "On"

Step 12 - Switch off the ignition and set the rotary knob of light switch to "0" position

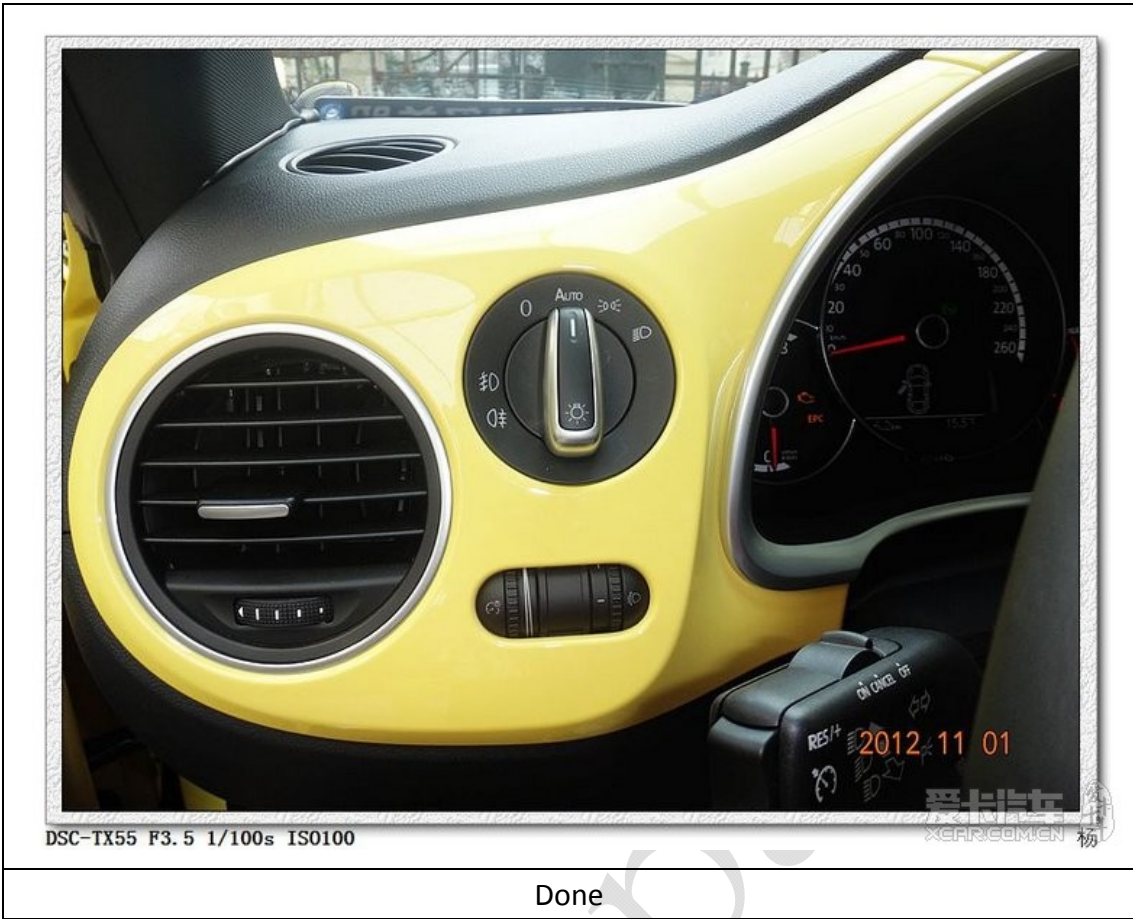




Step 13 - Pass the light sensor cable thro the fuse box and place the light sensor at the location that sensitive to light.



Step 14 - Clean the surface where the sticker will apply to, then remove the protective film of the sticker of the light sensor and stick the light sensor that location sensitive to light (remark:- the sticker is for one time use only and will loss it's stickiness if reapplication to other area)





## **B) Setting up of the Control Unit (Must read this before installation)**

### **1. Function of the Control Unit**

- While the light switch rotary knob is set to "Auto" position, the lights will be start/stop base on the lighting intensity as detected by the light sensor of that control unit. (Car lights will start in two steps. The side light become first lit in the dusk, when become darker the dipped beam headlight will then switches on).

### **2. Light sensitivity regulating/reset - (by rotating the rotary knob of light switch)** **(need to be carried under the light intensity that the light sensor could be detected)**

- If you want to reset/re-adjust the factory preset light sensor sensitivity (for side lights), i.e override the factory preset value to auto switch "on" the side light early or lately:-
  - Switch on the ignition
  - At the desired external light intensity(with ignition on), first set the rotary knob of the light switch to "Auto" position, then switch to "side lights" position and then switch back to "Auto" position (**please complete that process within 1.5s**)



- if the setting is success, there will have two "dig" "dig" sounds from the control module unit to acknowledge your reset is successful.
- However, if the desired external light during the resetting is brighter than the

manufacturer's preset minimum value to start the side light, then the side light will be reset to auto on at the minimum value as per the manufacturer's range value.

b. If the user want to reset/re-adjust the factory preset light sensor sensitivity (for the dipped beam lights), i.e override the factory preset value to auto switch "on" the dipped beam light early or laterly:-

- Switch on the ignition
- At the desired external light intensity(with ignition on), first set the rotary knob of the light switch to "Auto" position, then switch to "dipped beam lights" position and then switch back to "Auto" position **(please complete that process within 1.5s)**



- if the setting is success, there will have three "dig" "dig" "dig" sounds from the control module unit to acknowledge your reset is successful.
- However, if the desired external light during the resetting is brighter than the manufacturer's minimum preset value to start the dipped beam light, then the dipped beam lights will be reset to auto on at the minimum value as per the manufacturer's range value.

### 3. Setting of dipped beam light operated together with front Fog lights when the rotary knob of the light switch in "Auto" position

- for setting that function, i.e when the rotary knob of the light switch in "Auto" position, the dipped beam light and the front fog lights operated together.
- the model of function can be manual activated/deactivated by the follows steps (with ignition on + the autolight control module installed and power up):-
  - a. Switch on the ignition
  - b. Set the rotary knob of light switch to "Auto"
  - c. Rotate the rotary knob of light switch from "Auto" to "dipped beam light" then pull out the rotary knob in "front" and "real" fog light position together. and press the rotary knob again to the "Auto" position. There is no "dig" sound from the control module unit, then that mode of operation is activated. **(please complete that process within 1.5s)**
  - d. Repeat step c again and that mode of operations will be deactivated.
  - e. Repeat step c,d and that mode of operation can be repeatedly activated/deactivated.



#### **4. Setting of Coming/leaving Home Function (\*\*Not all VW model supported)**

- for setting the coming/leaving home function (i.e The sidelights will still on for a while when you pull the key out by ignition off or activated the central door lock/unlock signal by the key)
- to set the coming/leaving home function, please **ignition off with key removed**. Then rotate the rotary knob to "Auto". After that, rotate the rotary knob as the follow step(1-4):- "Auto->0->Auto->0->Auto" **within 1.5s**. Then you will hear one "dig" sound come from the control module unit and the side light will become flick and the control module unit will then start to count the time. Last step, when your desired time has reached, then switch the rotary knob to the "0" position and you will then again hear one "dig" sound from the control module unit and at that the time the coming/leaving home function setting is completed. (Noted, if the last step for switching back the rotary knob to "0" light position is completed within 5s, then the coming/leaving home setting will be disabled, and if the last step is over 60s that you didn't switch the rotary knob to "0", then the timer of the control module will preset to 60s).



**Remark:-**

1. If your car has been retrofitted with HID lamps, please change the relevant fuse to 20A, otherwise the following will be happened:-
  - when ignition off with key removed, and rotate the rotary knob of light switch to "sidelight" position, then sidelight will not "On" by manually;
  - when ignition on, and rotate the rotary knob of light switch to "dipped/main beam light" position, the dipped/main beam lights cannot operated;
  - coming/leaving home feature cannot functioned.
  
2. By considering the heavy electrical(battery) loading when start ignition, the autolight sensing function is disabled and delay about to 12s before starting the lights in order to protect the battery. After the self test of computer finished and turn the ignition key to start the engine, the lights will be switch on(depend on the lighting intensity detected). (Normally the lights will be switch on within 2s after engine started)