



Guide to installing thermal night vision camera to vehicle or ATV 4x4

1 CAUTION:

- 1 The assembling of IR313GT should be authorized by the factory or local technical support. Without the authorization, users can not disassemble or repair.
- 2 Please follow the rules and steps in this manual, or the manufacturer will not afford any legal or economic liability .
- 3 Without the authorized technician's support, please do not change the cables or fuse of the configuration location on the car.
- 4 Please do not put the IR313GT in moist location or close to water, which will cause electric shock, damage or fire by short circuit.
- 5 Output voltage of IR313GT is 12v, it is only for IR output, please do not connect other devices not specified. Please disconnect the IR313GT and the power source before connection between the IR313GT and the other specified devices.
- 6 Connect the IR313GT with power source without specified cables will damage the IR313GT.
- 7 Photos below are only for reference, please subject to products.

2 IR313GT configurations

1 Standard configuration

NO.	Name	Quantity
1	IR313GT	1
2	Cable	1

NOTE: Bracket and decoding box of Audi are needed

2 Brackets for Audi A6L

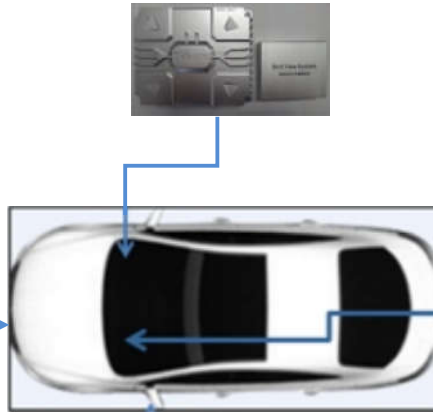
Brackets for Audi A6L		
NO.	Name	Quantity
1	A6L Fasten kit	1
2	M4X10 screw (fasten the IR313GT)	3
3	M4X8 pan-head screw (fasten the IR313GT)	1
4	M5X16 pan-head tapping screw (fasten the IR313GT)	4
5	T type cutting kit	1
6	Cable for IR313GT and decoding box	1

3 Assembling

3.1 Arrangement of all devices

Decoding box and BVS are configured at the top of the container .

IR313GT is configured behind of the grating



Membrane switch is configured on the panel lower right to the steering wheel



3.2 Assemble and route

3.2.1 Disassemble the decoration panel on top of the grating. Please check the red frame in the picture below.



3.2.2 Cut off the logo on grating(Or disassemble the component inside the logo).



Paste the tags for cutting



Cut the circle inside the logo with T-type kit

3.2.3 Fasten



Fix the IR313GT on the bracket , please notice that it is the pan head screw on the lower left of the bracket. Please fasten the screw later after the pitch angel adjustment is completed.



Fasten the IR313GT with bracket behind the grating using 4 M5*15 tapping screws.



Preliminarily fasten of the IR313GT

3.2.4 Route



Adhesive tape

Protection panel

Disassemble the protection panel and the adhesive tape at the rear of the engine compartment.

To disassemble the screw, screen cloth of the AC should be removed.



Remove the 3 screws on AC air in vent set at the rear of the engine compartment with No.10 screw socket.



Please wiring as showing in the pictures and penetrate the cables follow the original wiring.



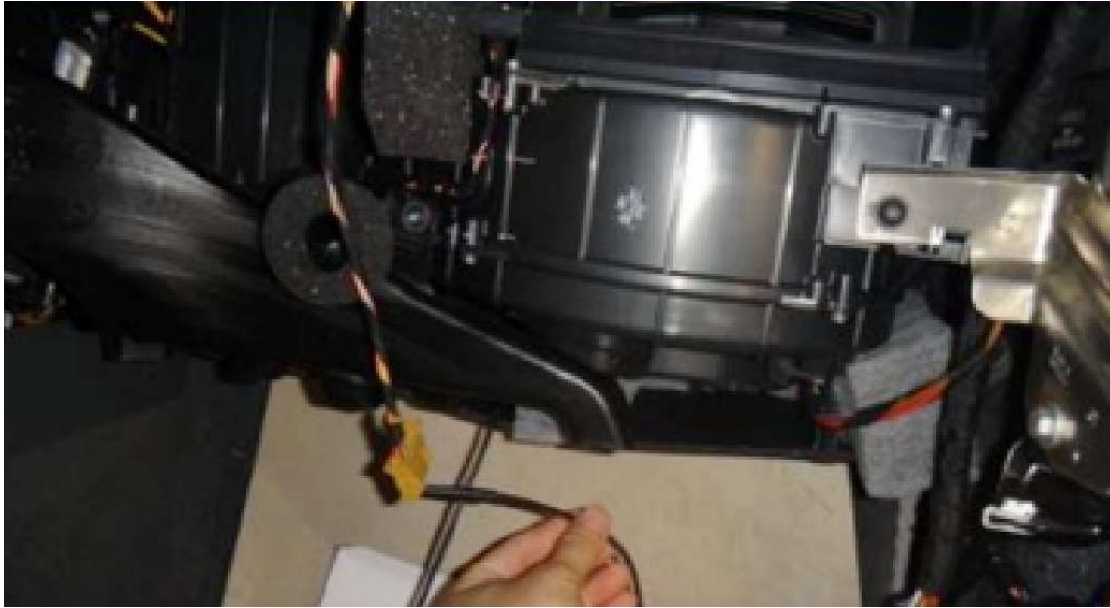
The cables go into the engine compartment through the AC air in vent and the cables go out of the engine compartment from the rear of the containers.



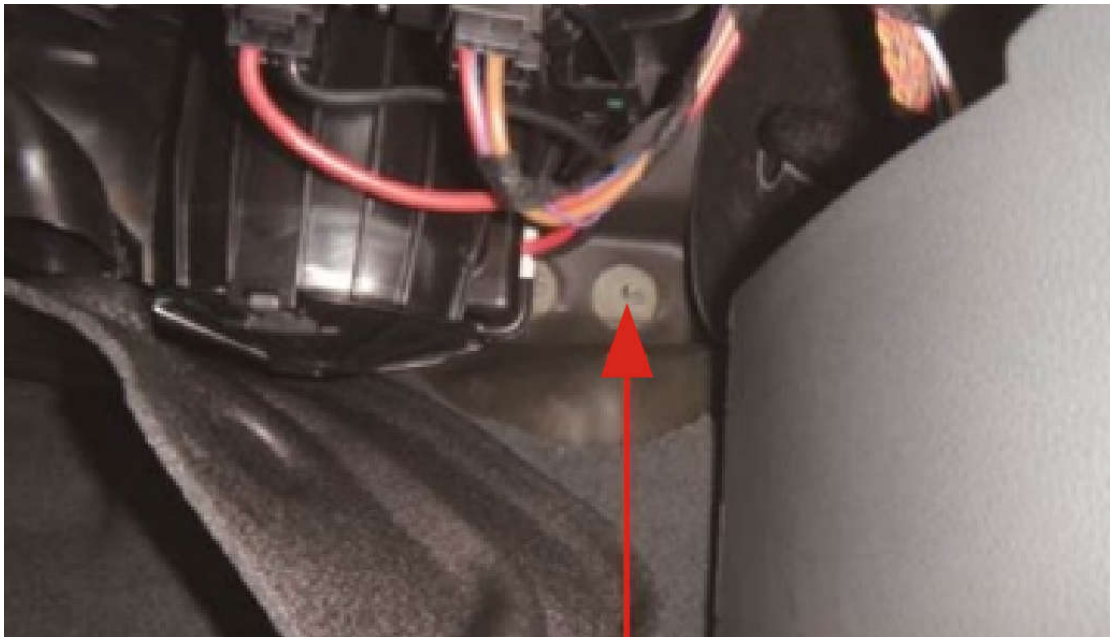
Notice: cables near to the air in vent should be protected with tapes

Back of the container





Cable leading out position in the cab.(Under the rear of the container, corresponding to the air in vent of the engine compartment)



Cable lead into the cab from this position.

4 Adjustments

- 1 Connect the IR313GT with BVS and power on
- 2 Adjust the pitch angel manually. When target, like pedestrian in front of the car 30 meters away, is just in the middle of the screen, fasten screws on the bracket connecting IR313GT as described in 3.2.3.