

Dear user:

Thank you for choosing our products. To enable you fully enjoy the features of the product, please read the instructions carefully before use it; and please comply with terms listed, please keep this manual for reference.

Product name: Vehicle Headlamp Auto-leveling system

Model type: ALS-1

Feature:

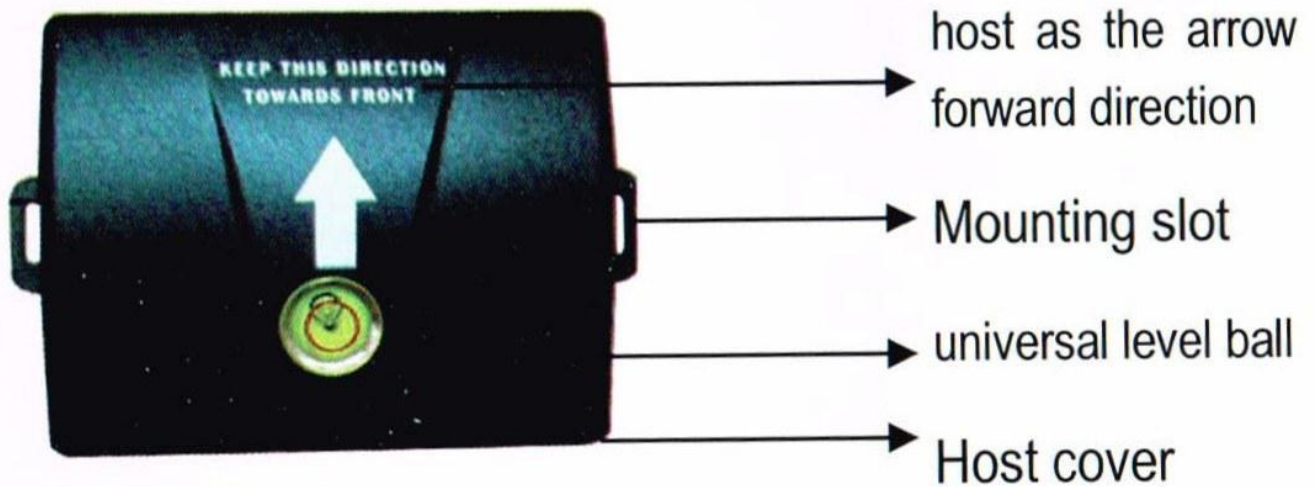
ALS can react sensitively to car's external conditions change and adjust headlight to leveling position automatically. It can avoid car headlight downward to ground or upward diffuse, effectively protect your safe during driving.

Million times test to warranty product more stable and reliable. Wish to make your enjoy relaxing driving.

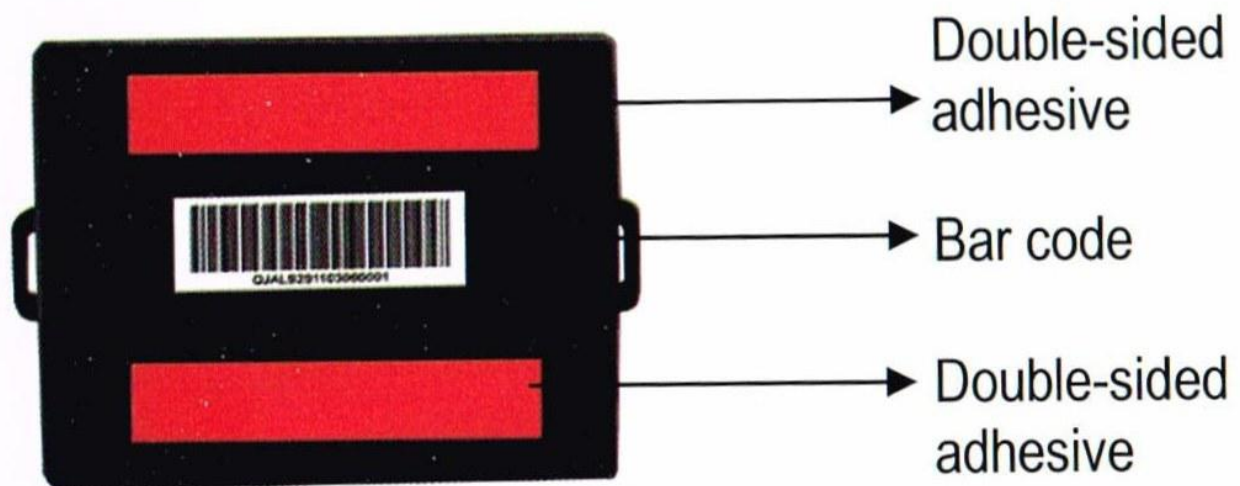
Please follow the instructions; damage or problems caused by illegal operations is not the case of warranty

Main parts of ALS

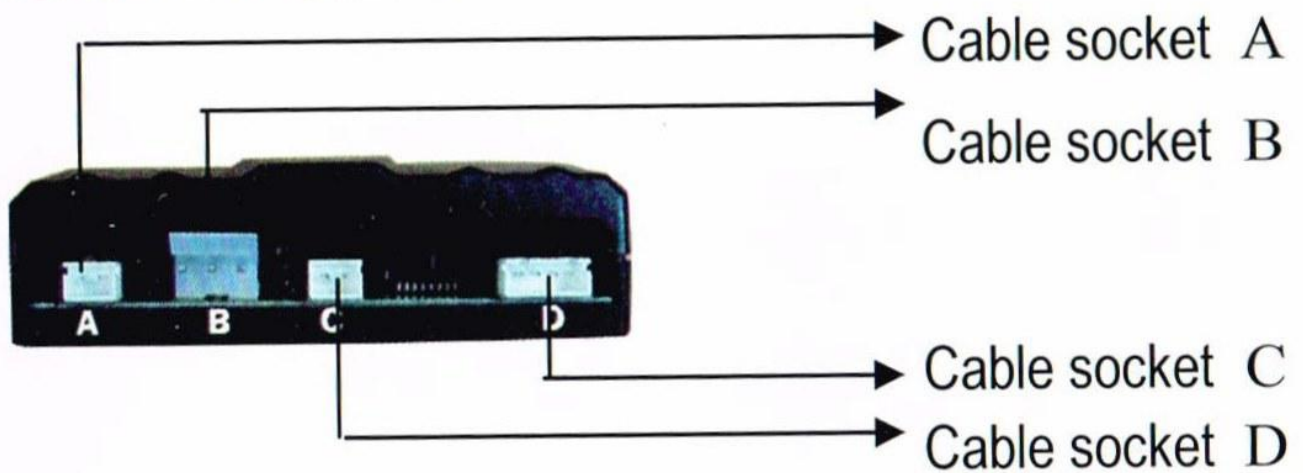
Host —Front view



Host—back view



Host-front side view



Regulator front view



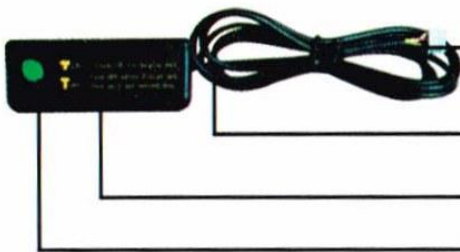
Regulator cover

Adjustment scale table

Adjust knob

Silk Screen Printing Instructions

Regulator Side view



Cable terminal to host

Connect cable

Silk Screen Printing Instructions

Switch button of regulator

Accessories



12V Power cable



Signal output cable









Connect cable for ACC & speed signal cable

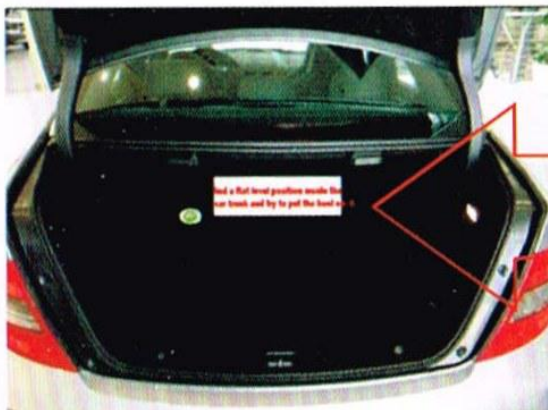


Adapter cable

Installation:

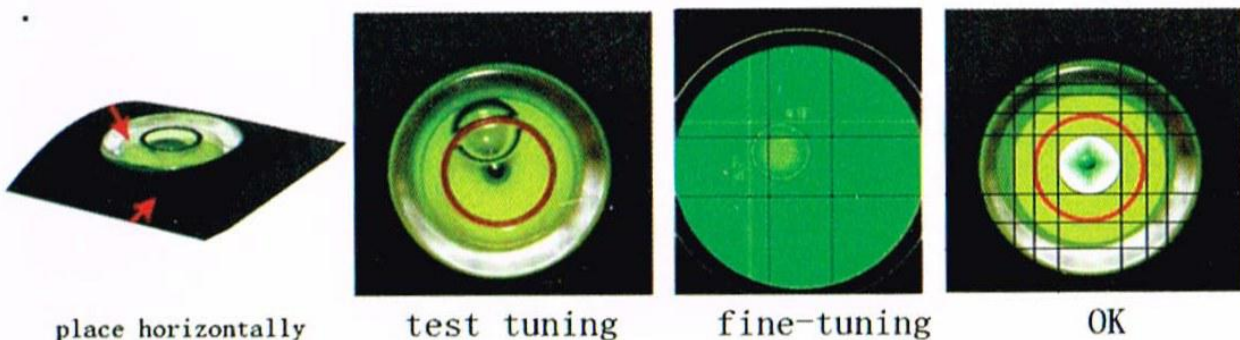
please check the packing list before installation

1		the host	1	PCS
2		the regulator	1	PCS
3		the signal output cable	1	PCS
4		the power cord	1	PCS
5		Connect cable for Acc & speed signal cable	1	PCS
6		Adapt cable	2	PCS



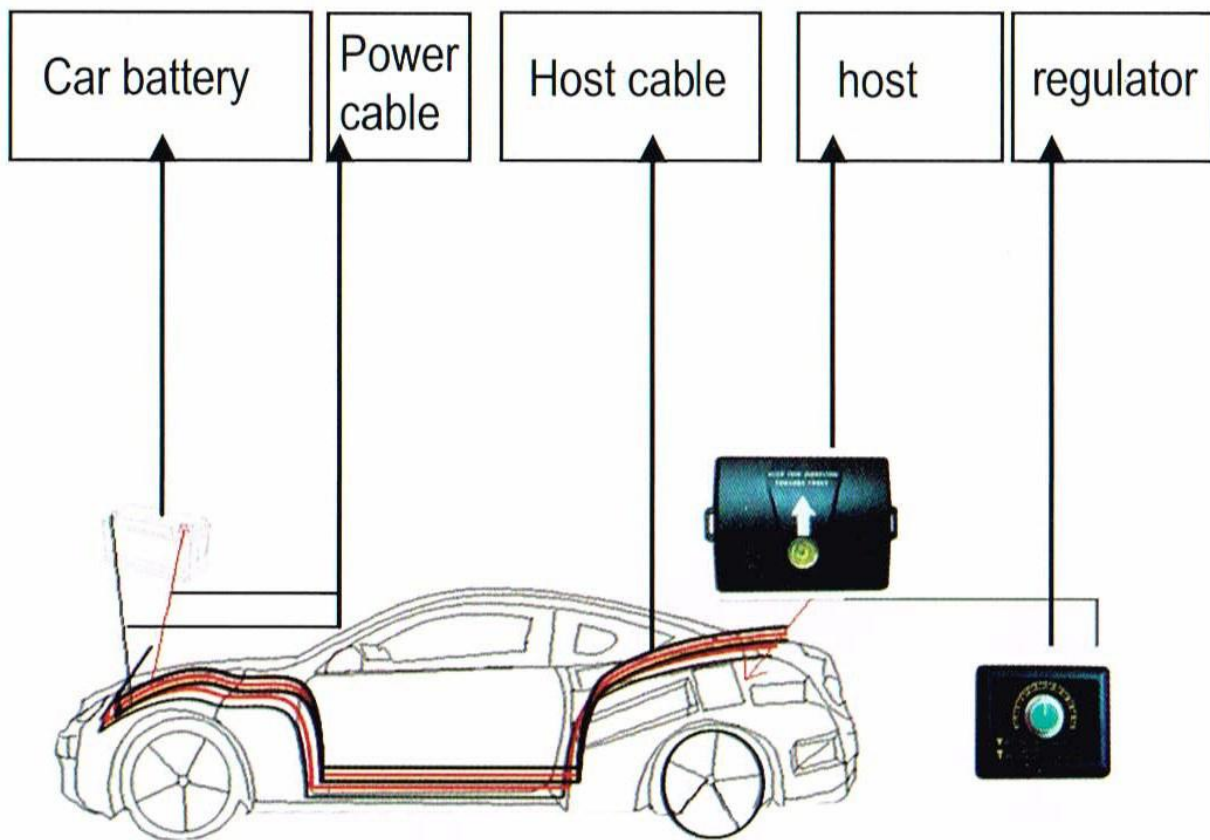
find a flat level position inside the car trunk and use the Double-sided adhesive of the host to fix it. **Make the arrow towards the front of car, and make the host parallel with the car body as far as possible.**

The universal leveling ball on the host can help to find a flat level position. Please see follow picture show how to use it. Only the bulb be kept in the middle of red circle means host been put in a real Horizontal level position.



Cable wiring diagram

Do cable wiring according car body length after fixed the host at flat leveling position. Please wire the cable along the car body and connect it with car's headlight, connect car battery with host, connect ACC and speed signal cable with the host. We had equipped with maximum length cable according maximum car body length. Extra cable can be coiled and fixed at side of host or some hidden room of the car.

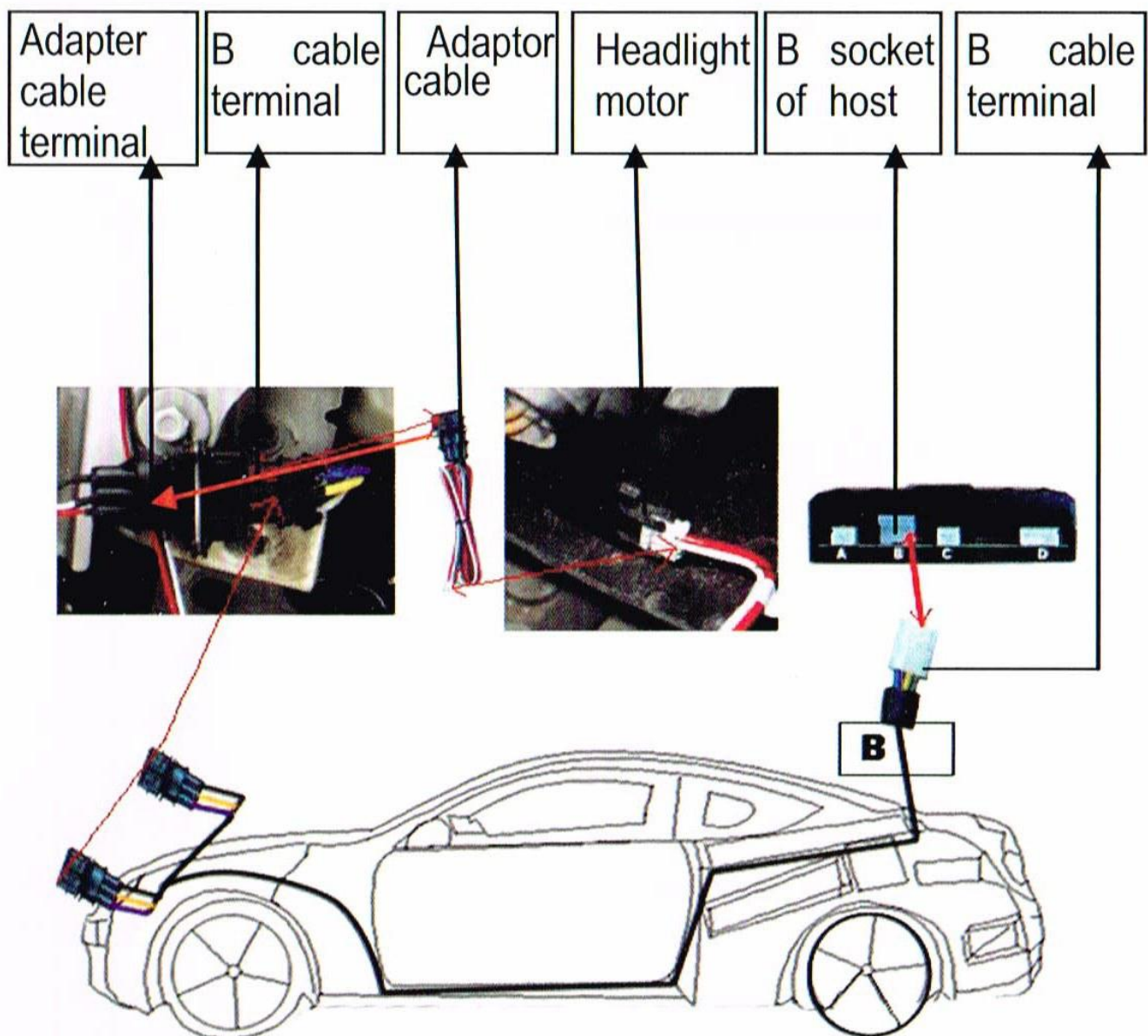


**Cable wiring
through car
body**



Host and headlight connect diagram

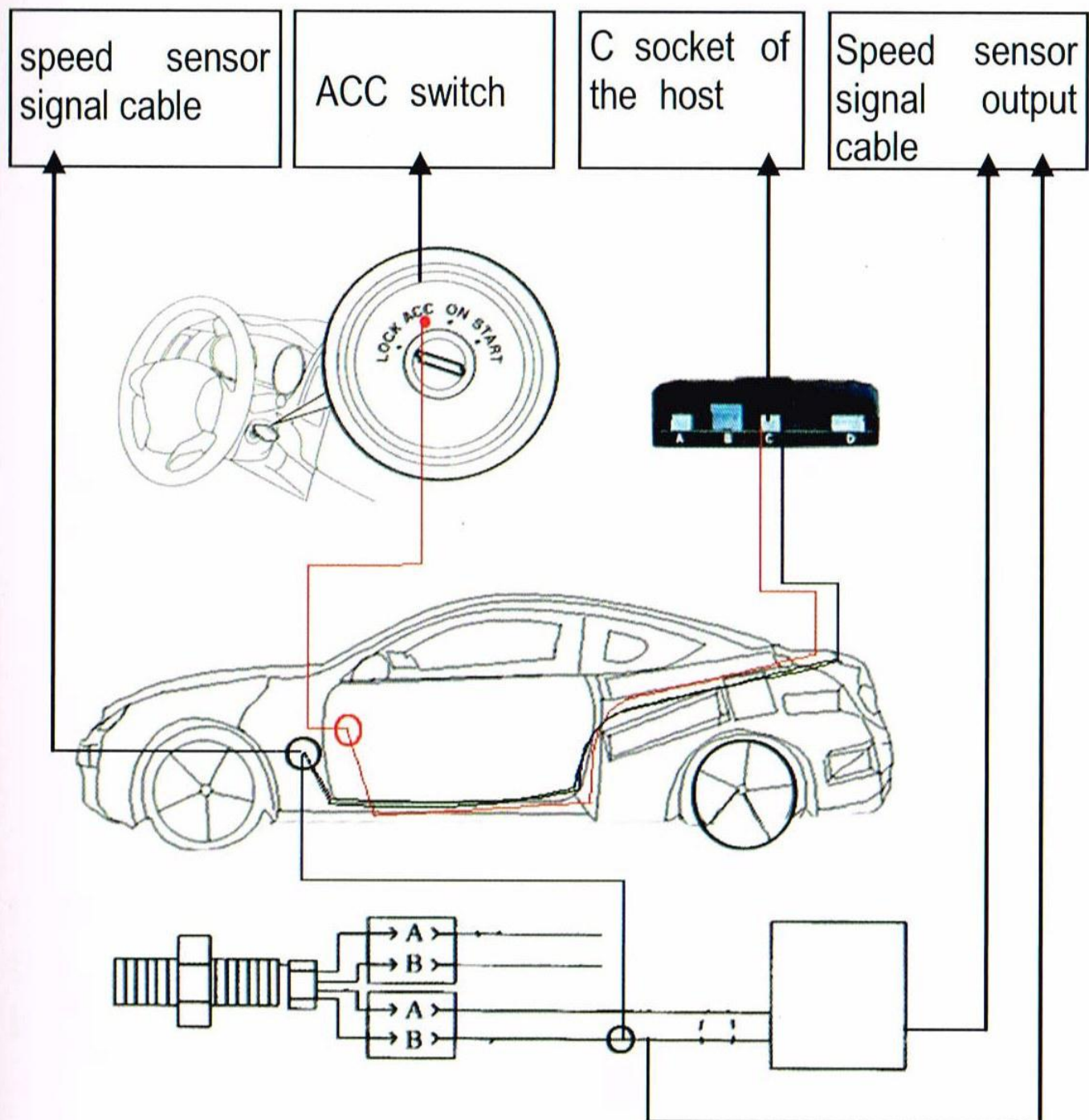
Connect one end of the B cable with adapter cable to fix length of cable. Connect one end with 3P terminal of headlight motor, and connect the other end of B cable with B socket of the host. Connect both headlight motor in same way.



Reminder: There are labels printed letter A,B,C,D etc on terminals of every cable's both ends. Please check them carefully to avoid mistaken connection.

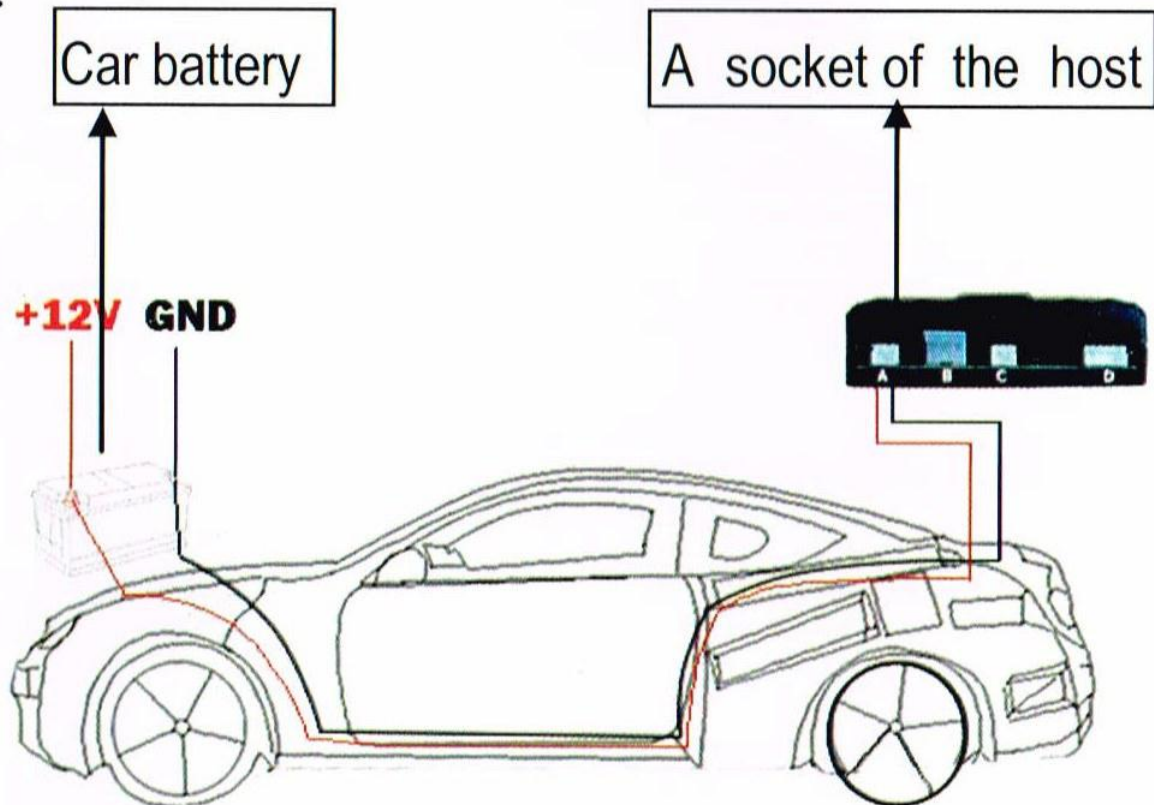
ACC and Speed signal cable connect diagram

1. Find ACC cable connect at down of the Steering wheel, and connect it with the red cable of the C cable.
2. Find the Speed sensor signal output cable and connect it with black cable of C cable.
3. Connect the other side of C Cable with C socket of the host.



Connect host with car battery

Connect the Power cable A with car battery according correct wire diagram. Please don't mistake Positive and negative . The other side of the cable connect with A socket of host.

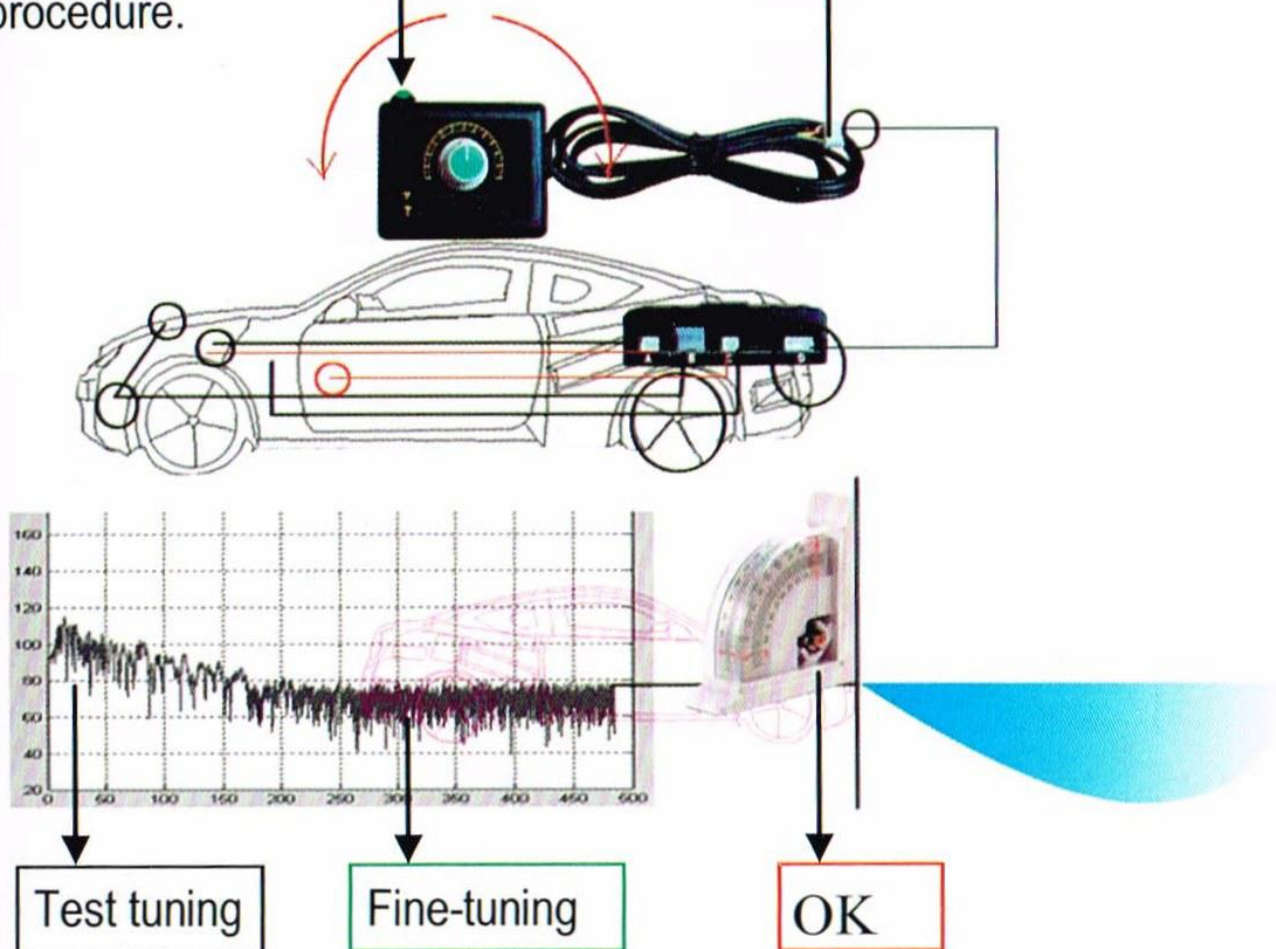


Install Regulator and use it

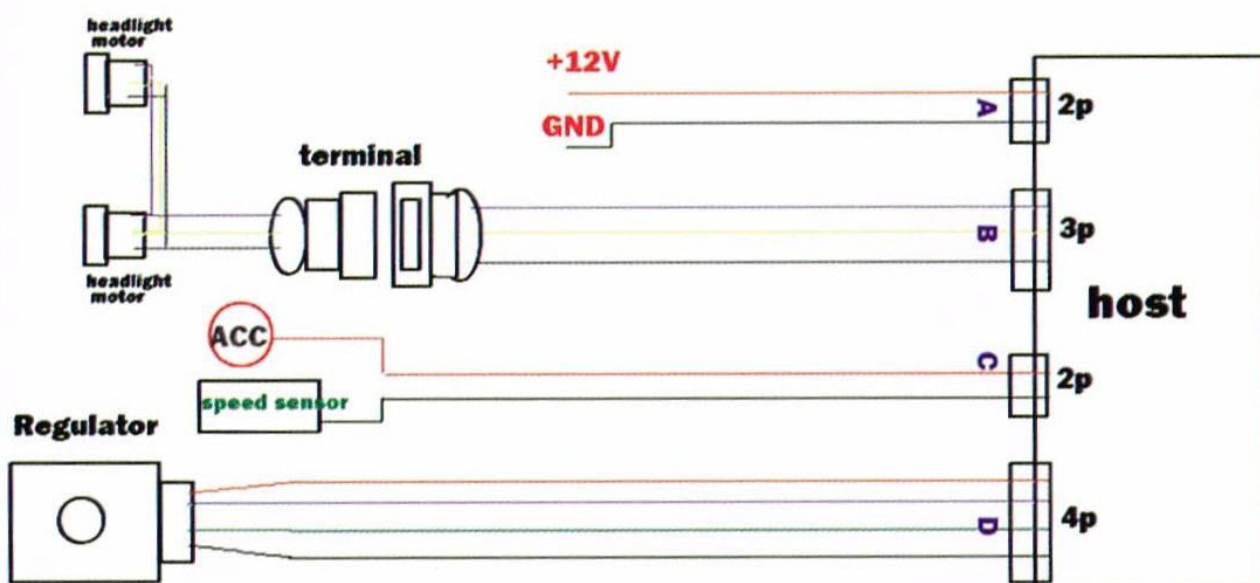
Connect regulator's cable with D plug of the host when keep the host be place at horizontal level position. Press down the switch button of the regulator to ON to begin fine-tuning slowly. Please do regulate in fine- tuning to avoid no-exactly or too much. And watch the light beam situation when setting, checking the headlamp light level or not.. After finish regulate procedure and keep the headlamp to leveling position . please press switch button again to OFF the regulator. Level position information will keep in the kit automatically. And the headlamp will be turn to leveling position automatically too from then on. Pull out the regulator and do keep it for next time use.

Press down to ON to start the regulator and begin set. Press again to OFF it after finish set procedure.

Connect with D socket of host



Cable connect



Problems and solutions

NO	Problem	Reason and solution
1	No power	<ol style="list-style-type: none"> 1. Check power cable and car battery connection point. 2. Check the host connection ok or not, 3. check the positive and negative connection is correct or not.
2	Can not be regulated	<ol style="list-style-type: none"> 1. Check all connection point, 2. Check if the host power on or not 3. Check if it had to be regulate to maximum value.
3	Headlight could only be adjusted upward or downward	<ol style="list-style-type: none"> 1. Check if the host be put and fixed at flat leveling position 2. The regulator regulate error 3. Host error 4. Check if the regulator did not powered off after finished regulate procedure according manual request
4	Only one headlight be adjusted	<ol style="list-style-type: none"> 1. Connect the regulator, set again to check the un-worked headlight motor connect correct and controlled by host or not. 2. Check motor work normal or not. 3. Check all connection point