



TOYOTA MOTOR ASIA PACIFIC  
ENGINEERING & MANUFACTURING  
CO.,LTD.

## INSTALLATION MANUAL

### Head Up Display

For IMV 2-4

CAD		CAQ		TMT	
Checked	Approved	Checked	Approved	Checked	Approved

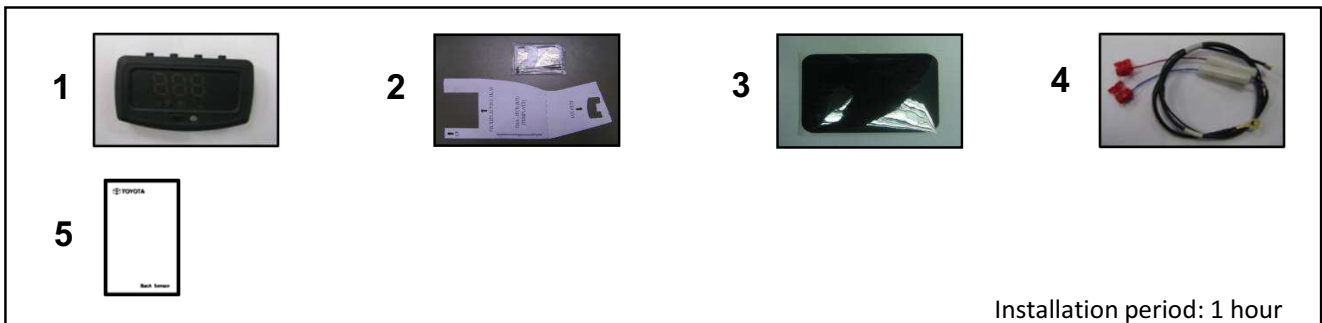
# INSTALLATION MANUAL

## Head Up Display

Thank you for your purchase of TOYOTA genuine "Head Up Display". This manual explains the procedure for Install Head up Display. Please carefully read this manual before operation to ensure correct installation.

Part number	Model
PZ065-0K003	KUNXX TGNXX

### COMPONENT PART



NO.	PART NAME	PART NO	Q'TY
1	HUD	PZ065-0K053	1
2	Installation Kit	PZ065-0K056	1
	2.1 Velcro		1
	2.2 Sponge tape		1
	2.3 Pattern paper		1
	2.4 Cable tie		4
3	Reflective Film	PZ065-0K055	1
4	Wire Harness	PZ065-0K054	1
5	Owner's Manual	-	1

### TOOLS

1. Clip remover
2. Screwdriver
3. Ratchet
4. Pliers
5. Socket No. 8,10,12
6. Alcohol
7. Wrench Torque 6.9-9.8 N.m  
or 70.4-100 kgf.cm



## Checking before installation

For safety working. Please pay attention with caution symbol as details below.



**Caution** ... If now follow there might cause the accident, injured or take damage to the vehicle

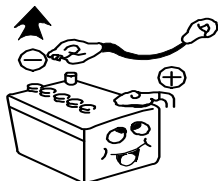


**Note** ... Information in order to work faster

- (1) Parking on smooth road, pull hand brake and check brake
- (2) Use key start engine without vehicle moves check electric door lock normal operation or not
- (3) Caution about parts when uninstal example clip screw bolt or not missing and correct positions when reinstallation

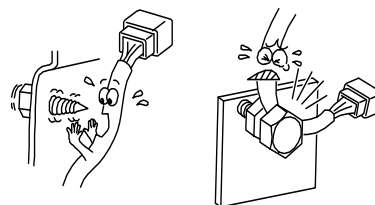
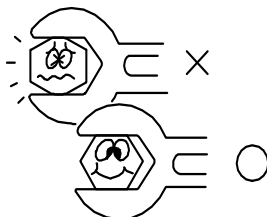
### Component

- Unload battery terminal (-)



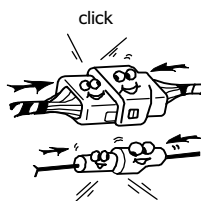
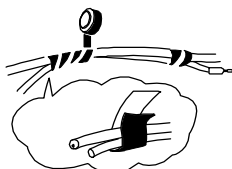
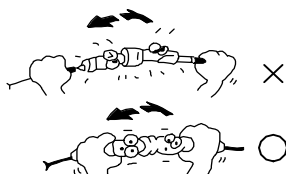
### Assembly

- Use tool by correct method
- Caution shape area touch with wire harness



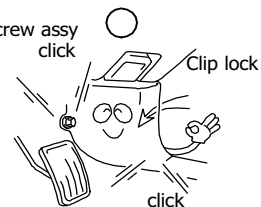
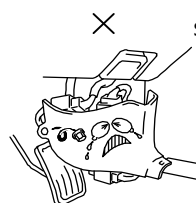
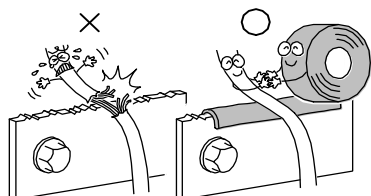
### Route the wire harness

- Hold connector when uninstal
- Don't pull and hold wire
- Use tape for correct wire together
- Insert connector tightly
- Don't too much pull wire



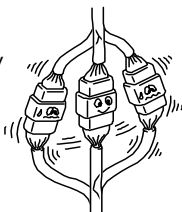
- Use tape for protect wire from shape area

- Route wire harness through circle space beware about waterproof



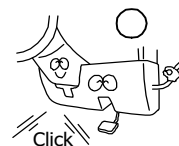
### Correct wire

- Don't correct wire without insulation
- Caution terminal cut touch with another wire
- Cut wire over
- Correct connector tightly beware rattle noise



### After install finished

- Reinstall all parts completely



## Caution

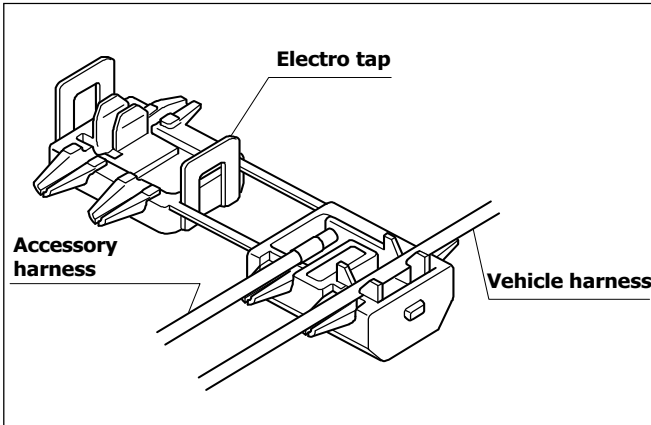
In case of operation while connected battery beware force make to shock sensor of safety air back effect to vehicle damage or injury

Check operation of door lock, electric mirror, Hazard for normal electric system checking

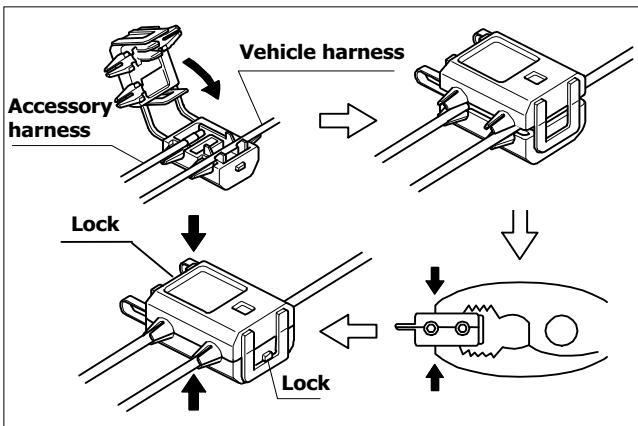
## Caution of use clip electro taps

- (1) In process of cut vehicle's vinyl beware wire damage
- (2) Use clip electro taps although others component already connected. It must connect to vehicle's wire
- (3) Connect wire by clip electro taps. It must has click sound happen that show already connected
- (4) Check number of connector, wire of component and vehicle's wire beware mistake connect position
- (5) In case of clip electro taps with wire that same pole please notice connection position
- (6) If hinge damage but can completely lock 2 points. It can use with no problem
- (7) Don't reuse clip electro taps. If mistaken position of clip electro taps please cut wire and vehicle's wire and protect them by vinyl tape

## Clip electro taps procedure

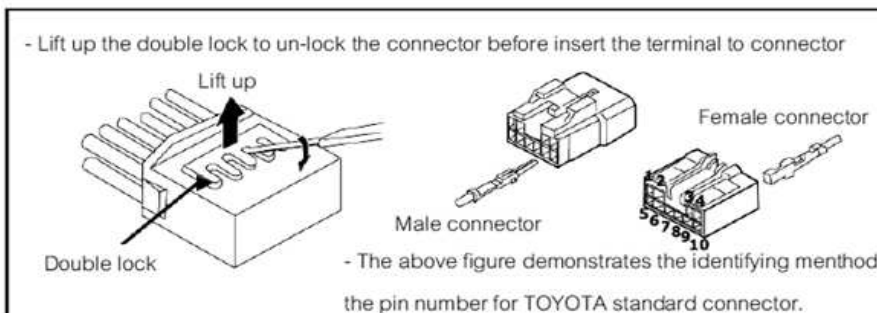


1. In case of vehicle's wire cover by vinyl tube or vinyl tape please cut them as appropriate
2. Insert vehicle's wire in hole tightly

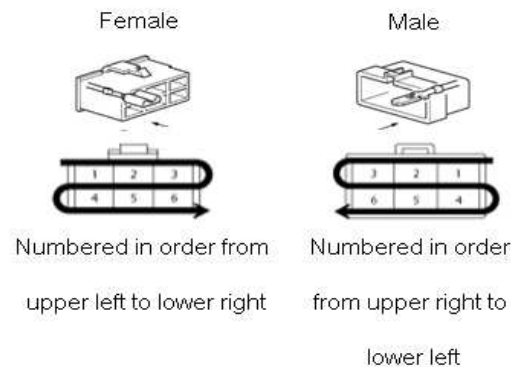


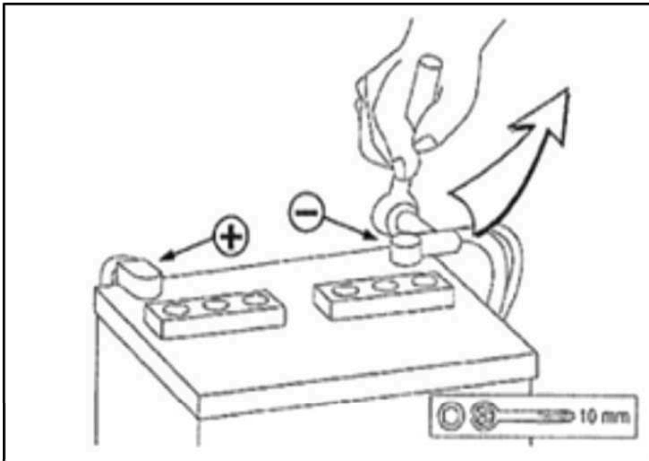
3. After completely insert vehicle's wire please use pliers for fold clip electro taps left and right together until completely lock (Click)
4. For protect insertion between clip electro taps please use vinyl tape cover them

### Terminal insertion procedure



### Indicates the pin number of the connector

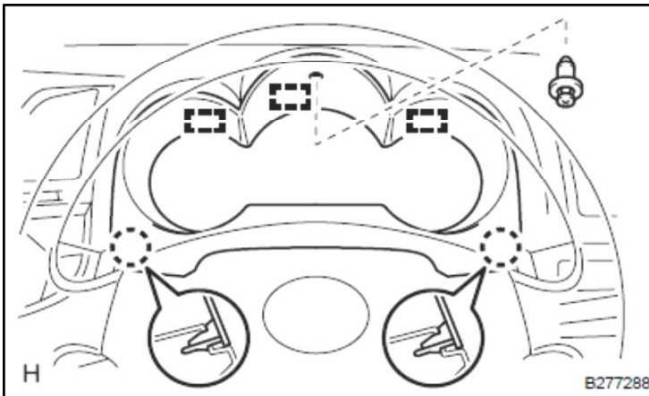




1. DISCONNECT NEGATIVE (-) TERMINAL.

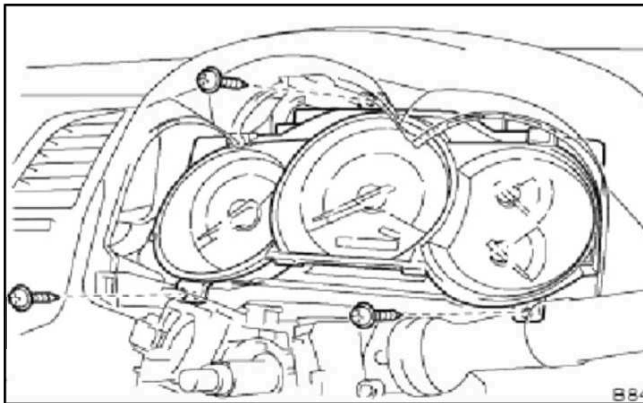
 **Caution**

Check the electrical system of vehicle before installation the HUD



2. REMOVE NO. 1 INSTRUMENT CLUSTER FINISH PANAL

2.1 Remove the clip and detach the 2 claws and 3 guides and remove the No. 1 instrument cluster finish panel.



3. REMOVE COMBINATION METER.

3.1 Remove the 3 screw then remove combination meter

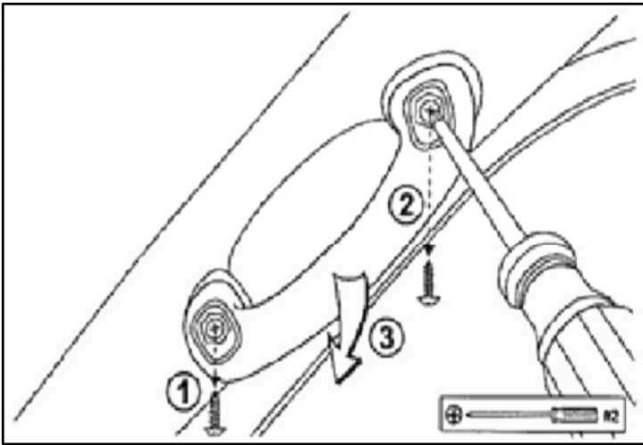


4. REMOVE FRONT ASSIST GRIP SUB-ASSY AT THE DRIVER SIDE.

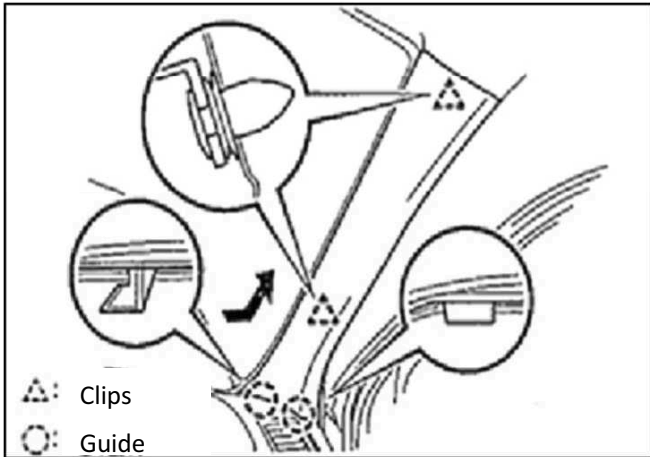
4.1 Using a screwdriver, detach the 4 claws and pry out the 2 assist grip plug.

**Hint**

Tape the screwdriver before use.



4.2 Remove 2 screws and assist grip.

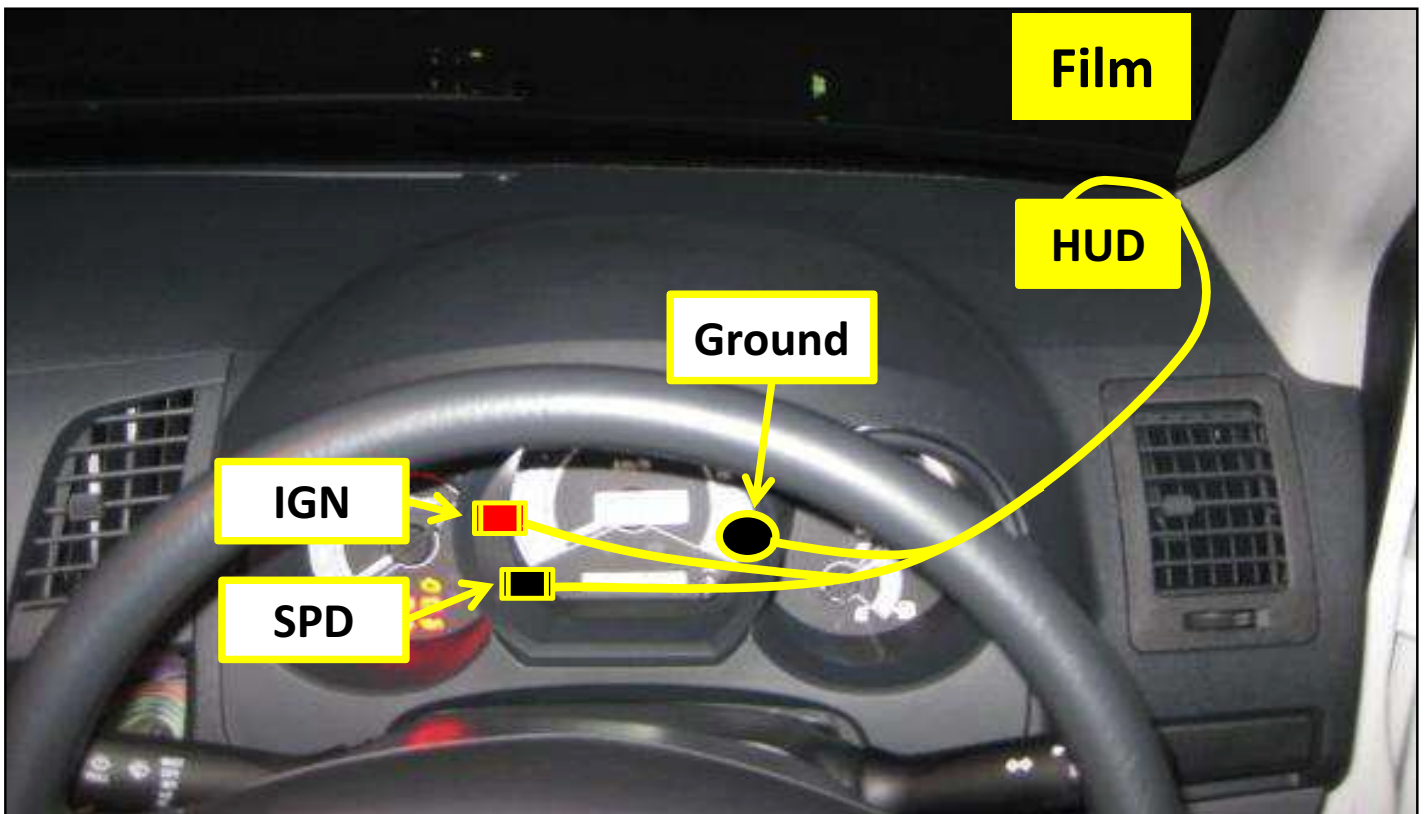


5. REMOVE THE PILLAR GARNISH.

5.1 Using clip remover, detach 2 clip.

5.2 Pull the pillar garnish in the direction indicated by the arrow which show in the illustration to detach 2 claws. Then remove the garnish.

Overall installation image.



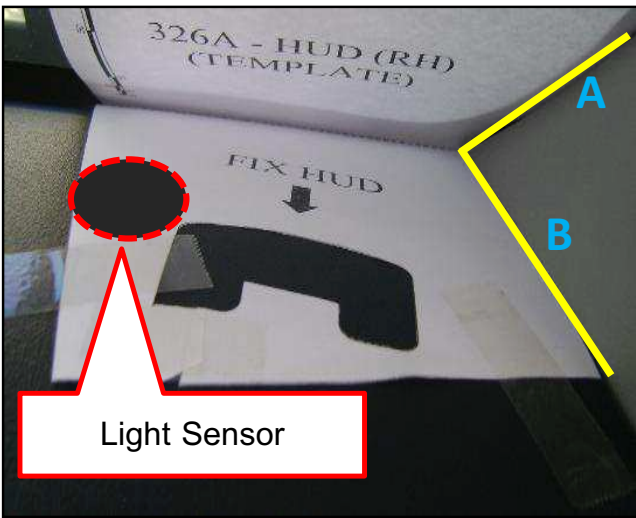




## 1. INSTALL THE HUD UNIT

1.1 Use velcro to fix HUD on dashboard.

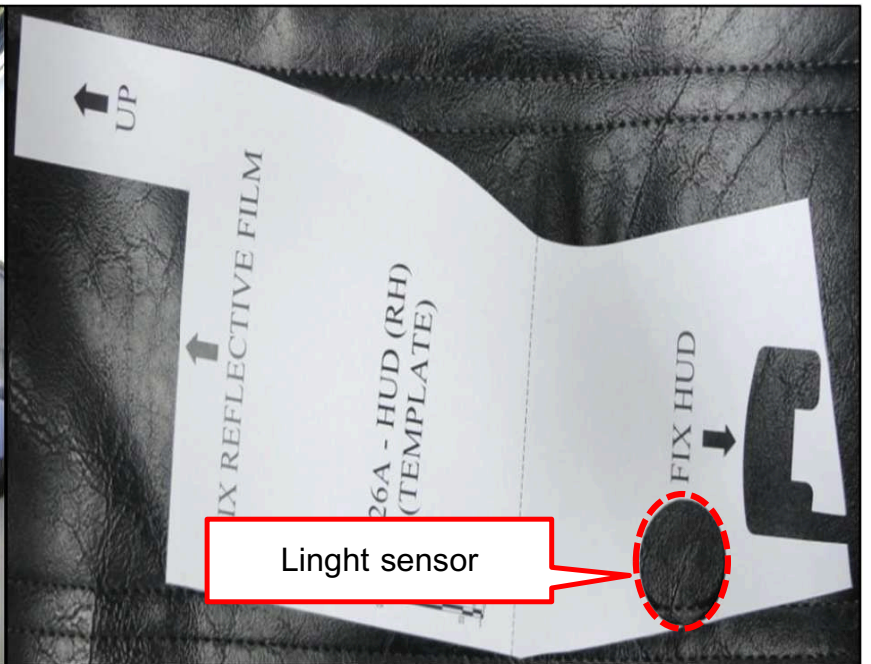
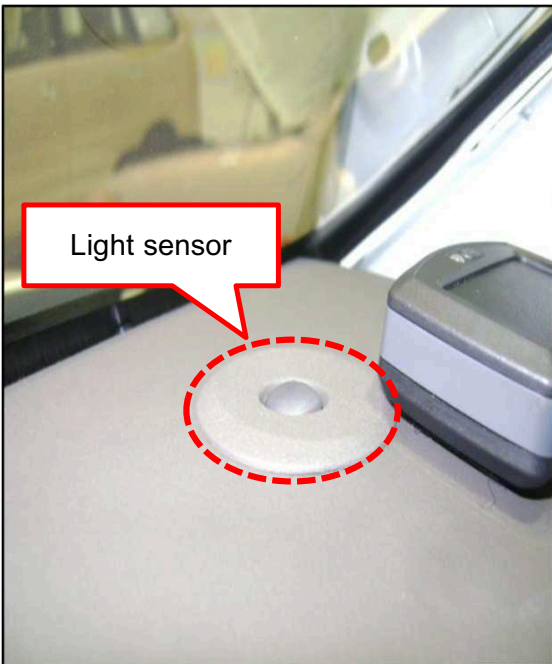
- a. - stick velcro's loop side on HUD's bottom.
- b. - stick velcro's hook side on dashborad.



1.2 Place a pattern paper on the corner right of dashboard.

### hint

1. Clean up the inner surface of windshield and dashboard before place the pattern paper.
2. Place a pattern paper to align with pillar garnish(RH) A,B and light sensor.







1.3 Stick vecro's hook side on dashborad at the position "FIX HUD" on a pattern paper.



**2. STICK THE REFLECTION FILM ON INNER SURFACE OF WINDSHIELD.**

2.1 Attech the template for attech the Reflective film on winshield as shown in the picture.

**Hint**

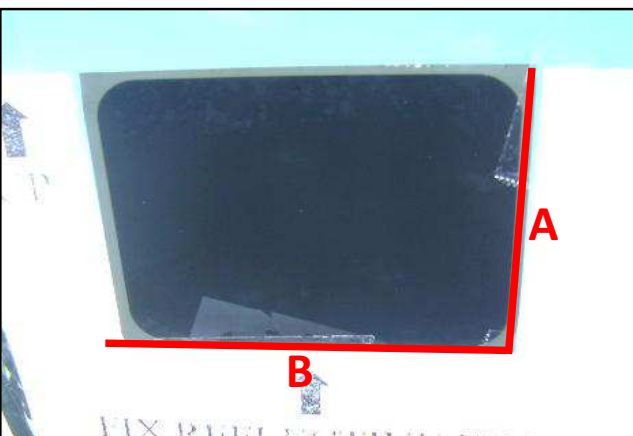
Clean up the windshield surface; then spread a litle water on it



2.2 Tear apart the cover paper of reflection fime and stick it on to the inner surface of winshield.

**Hint**

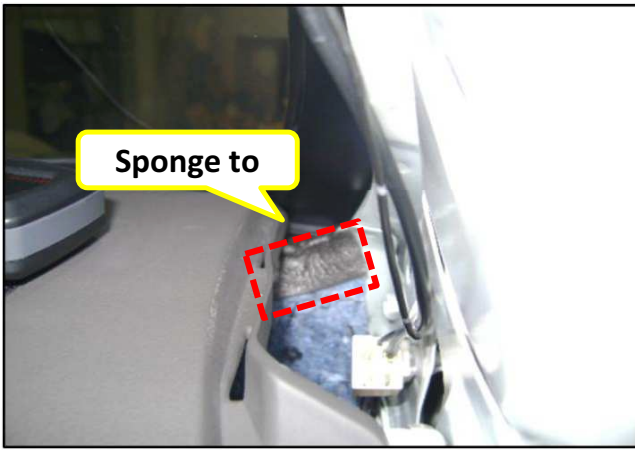
Do not have the air bubble after attceh Reflective film



**Hint**

Align the film to A and B side.

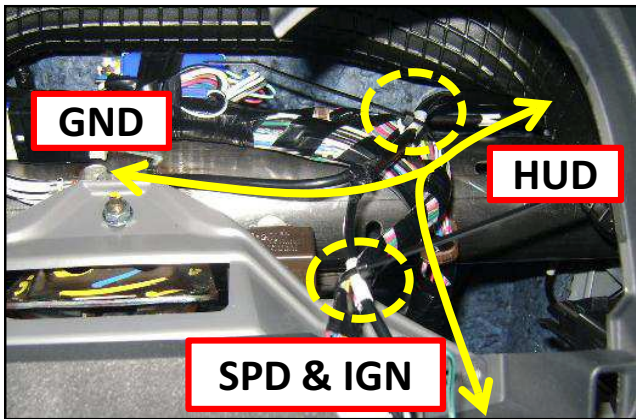
## Wiring harness



1. Stick the sponge tape to the edge of body vehicle, the room between front piddar garnish and dashboard.



2. Attech HUD ECU at the duble side tape on the upper instrument panal by mean of rotate button control come to driver.



3. Wiring the harness in the direction which show in the picture
  - 3.1 Route the wire harness connector side through under the air diet, the out at the hole of pillar garnish
  - 3.2 Put the cable into the gap between dash board and windshield.
  - 3.3 Use cable tie to tiethe cable up at the white mark.

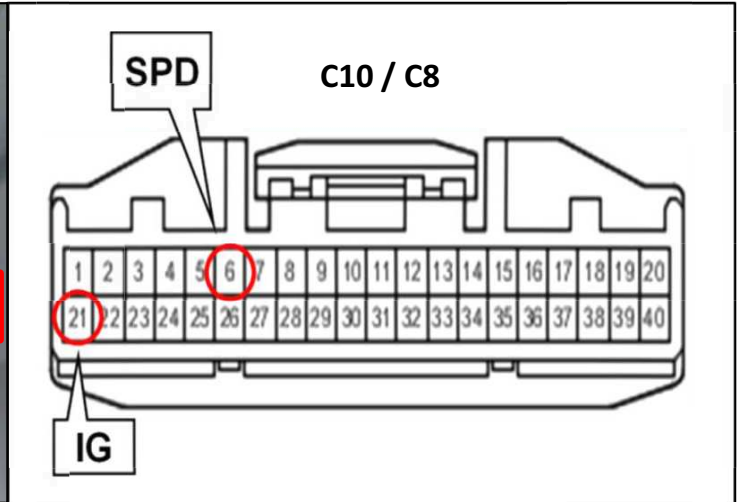
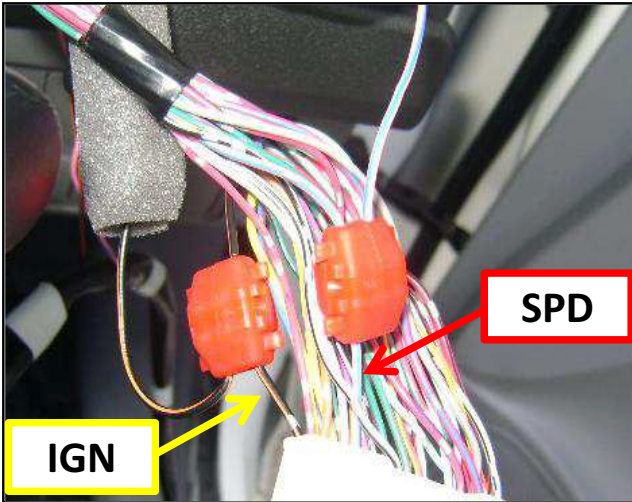


4. Connect GND wire.
  - 4.1 Fin out the metal bolt behind combination meter.
  - 4.2 Screw GND wire's washer to the bolt as picture.



### Note

Torque controlled at 6.9-9.8 N.m (70.4-100 kgf.cm)



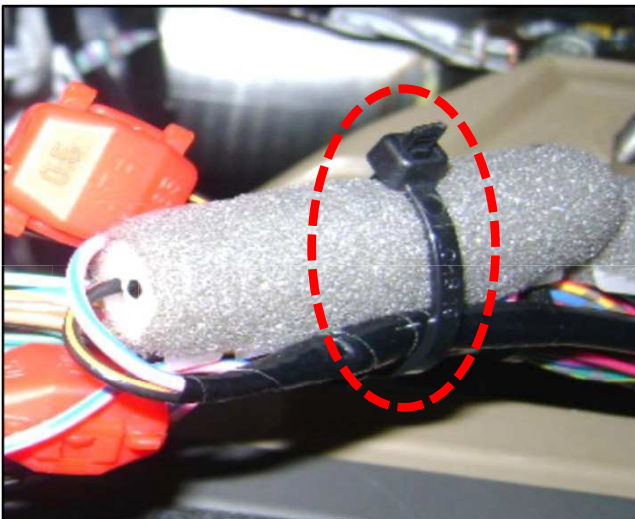
**C10 : IMV 4**  
**C8 : IMV2-3**

5. Connect speed signal and IG wire.

5.1 Find out the 40 pin connector (combination meter)

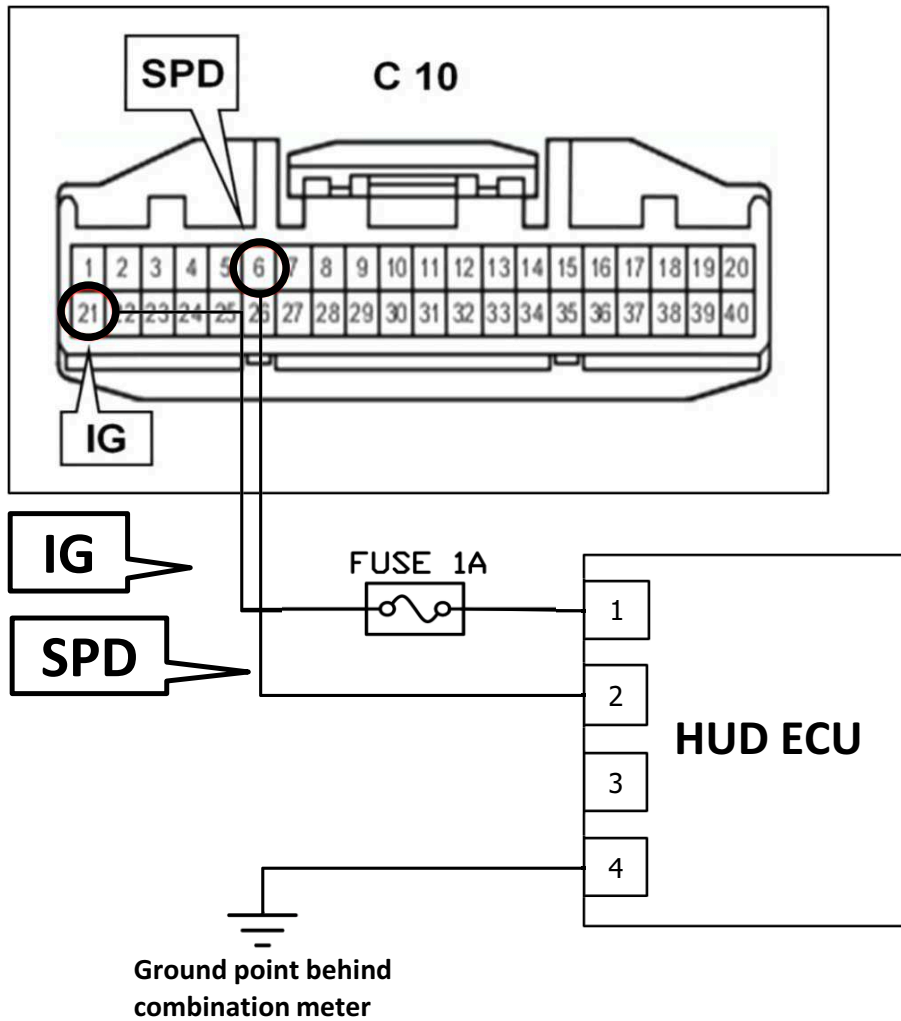
5.2 Connect the IG wire (orange-black) to the pin no.21 of the vehicle connector (orange-black)

5.3 Connect the SPD wire (violet-red) to the pin no.6 of the vehicle connector (violet-red)



6. Secvre the fuse case by a cable tie with the vehiclr main harness.

## System Diagram



Re-install the OE part back to original position.

### 1. Returning parts.

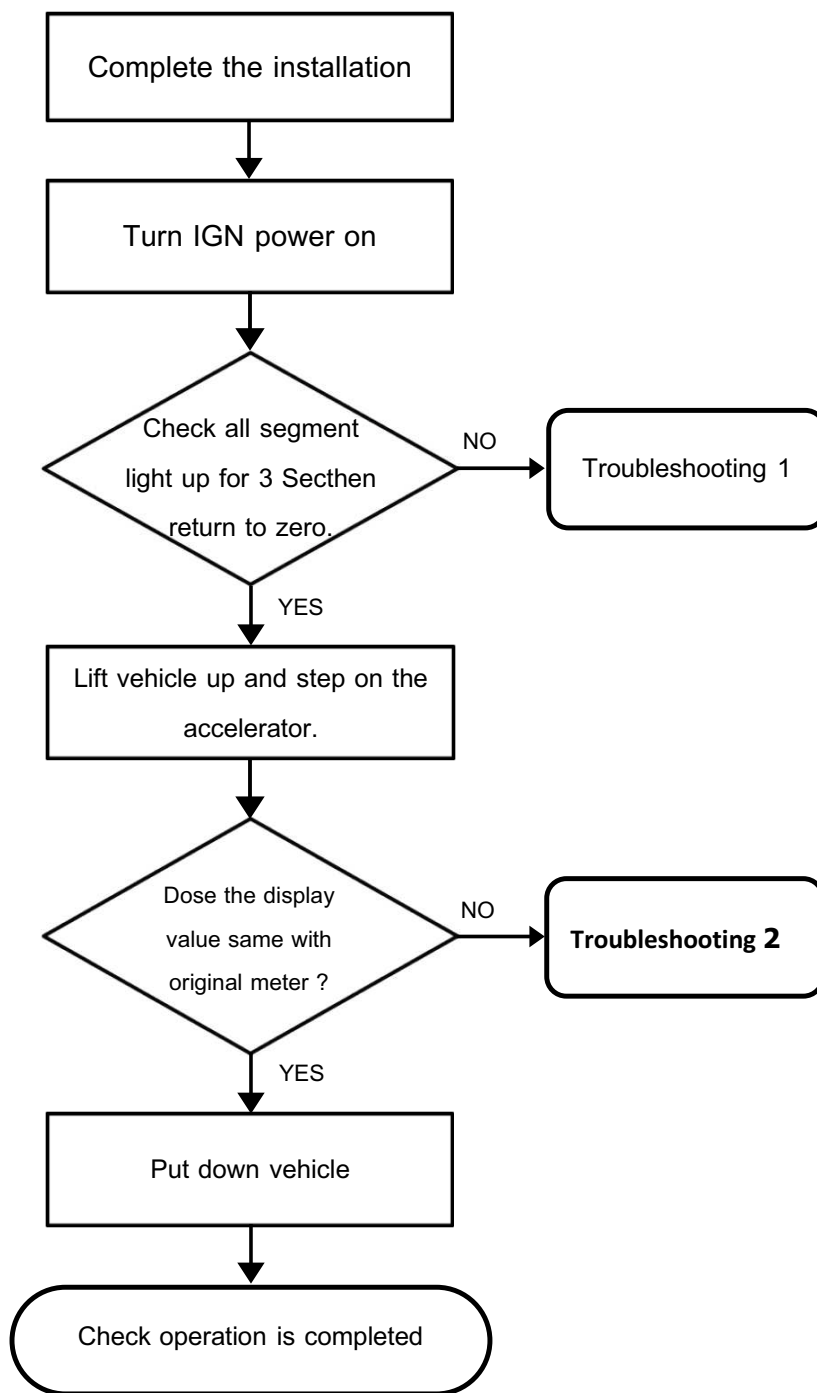
After functional check please carefully reinstall parts and see the condition below.

- Wire Harness (from OE. and accessory) might be mated by re-installs parts.
- Vehicle might injurious or has damage.

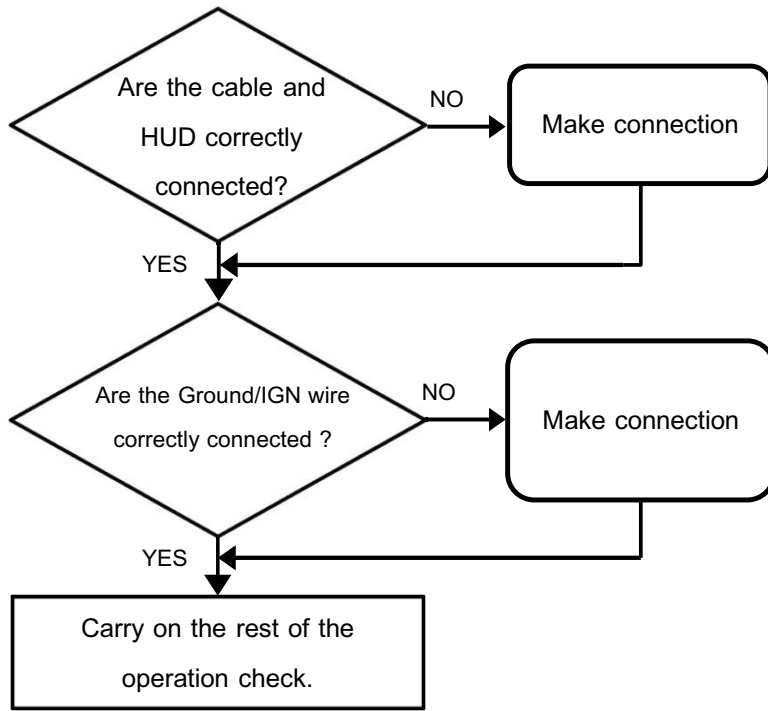
### 2. Caution : When reconnect the negative(-) terminal of battery.

After reconnect battery some parts should be set the initial value so after complete installation and functional check the initial value should be set.

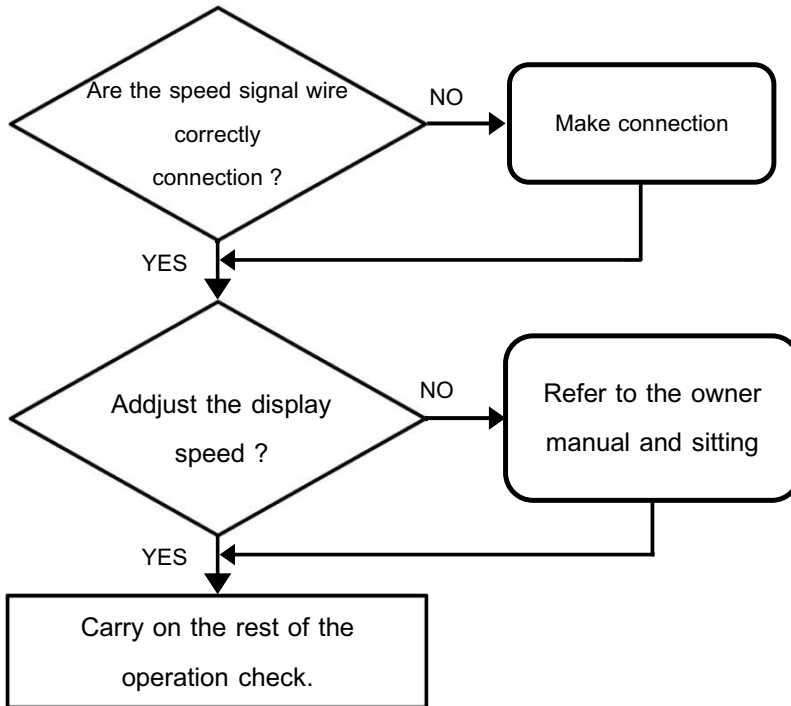
Procedure of verify after install



Troubleshooting 1



Troubleshooting 2

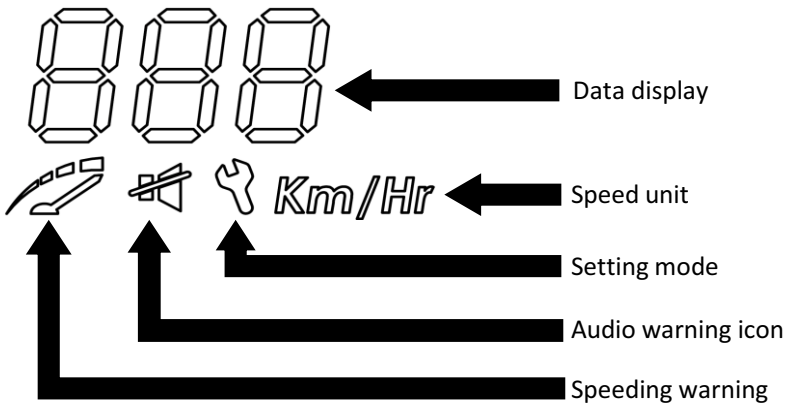




# Setting





All graphic icon of HUD will be displayed for about 3 seconds while power switch on.

## Display

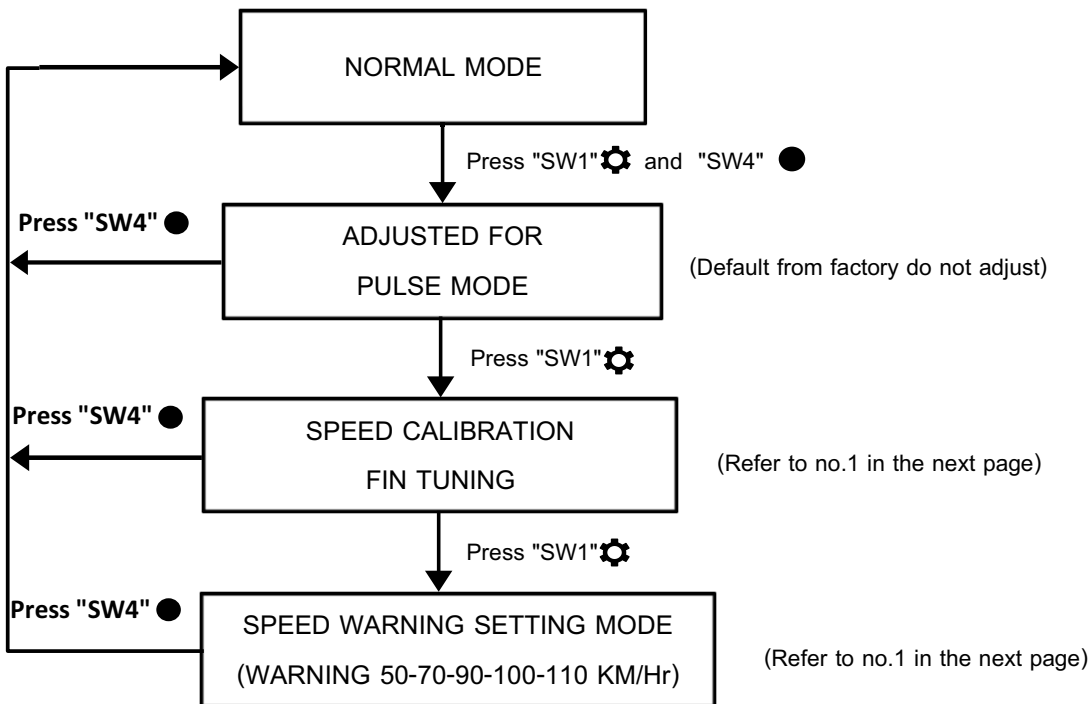


## Switch Control






-  SW1 Setting
-  SW2 Selection up
-  SW3 Selection down
-  SW 4 Close speed warning

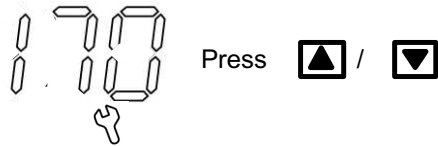
## Speeding alert mode selection








**1. Fine-Speed tuning mode (There is no need to reset if the displayed value consist with the gauge)**

Press "SW1"  and "SW4"  simultaneously, then press "SW1"  again, then the display will show below.






1) When speed display is too high, decrease it by pressing "SW3"  button ; or increase it by "SW2"  button then press "SW4" 

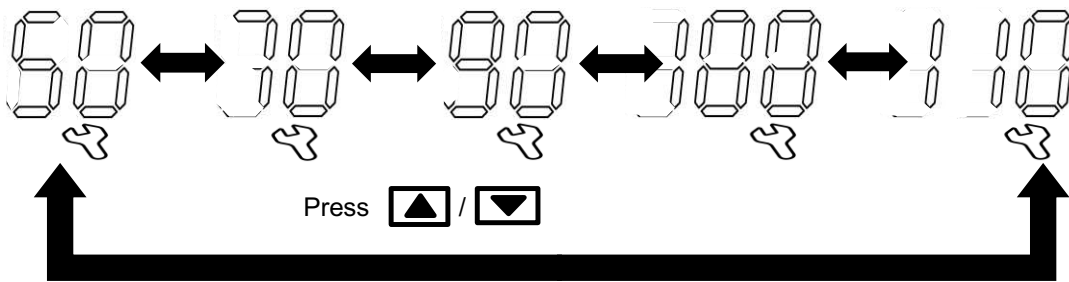
2) Confirm the adjustment by the actual driving if the value is exactly in consistency with the gauge value ?



Other wise, report no.1 (previous step)

**Remark:** Adjustment must be done only once the car stopped.

**2. Over speeding setting mode**


Press "SW1"  and "SW4"  as simultaneously, then press "SW1"  twice times, the display will show below.

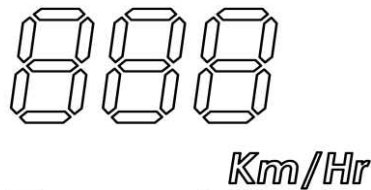


Use the up down  /  button to change over speed setting value, press the "SW1" again for next speed limit setting follow the same procedure described above to complete all setting.

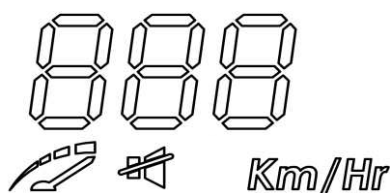
**Caution:** Default over-speed setting are 50,70,90,100 and 110 KM/Hr

**3. Speeding alert mode selection (There are 3 mode for alert)**

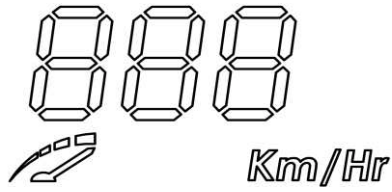
3.1 Press "SW4"  close speed warning alert tone, and then



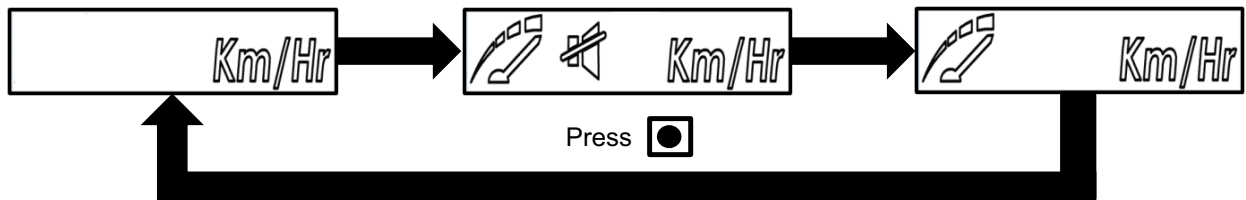
3.2 Press "SW4"  again open speed warning (Speed flash).



3.3 Press "SW4" ● again open speed warning (Speed flashing + Speed warning tone).



Sequence of speed selection mode.



**Caution:** Once the driving speed is over the setting, audio warning will sounds alarm and icon is lit up.

And will be stopped once the speed is lower the setting within 5 seconds.