KOSO Feel The Speed

INSTALLATION

●Thank you for purchasing the our product. Before installing, please read the instruction carefully and keep it for future reference.

⚠ Attention!

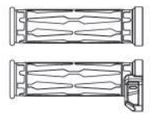
●For installation, please follow the steps described in manual. Any damage caused by wrong installation shall be imputed to the users.
●Don't break or modify the wire. To avoid the short circuit, please don't pull the wire when installing.
●The interior examination or maintenance should be executed by our professionals.

◉ MARK MEANING:

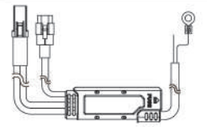
NOTE	You could get the installation details from the information behind the mark.
⚠	Some processes must be followed to avoid the affection caused by wrong installation.
⚠ WARNING!	Some processes must be followed to avoid damages to yourself or the public.
⚠ CAUTION!	Some processes must be followed to avoid the damage to the vehicle.
READ CAREFULLY !	If any information dealt with in the manual remains unclear seek professional assistance.

1 Accessories

1 Heated grip x2



2 Harness Kit x1



3 Bar-end Cap x2



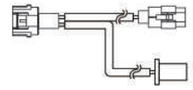
4 Glue x1



5 Thumb heater x1



6 Thumb heater wiring x1



7 Foam x1

8 Abraslve paper x1

9 3M double-sided adhesive x1



10 Heat shrink x1

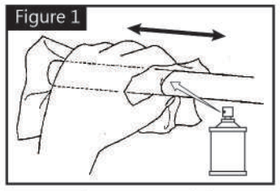


NOTE Contact your local distributor, if the items received in the box are not the same as the items listed above.

2-1 Practical installation instructions

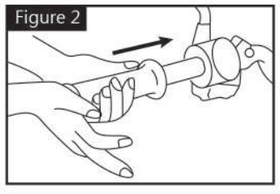
Heated grips installation proceedure

Figure 1



1. Use an appropriate tool to remove the original handlebar grips.
2. Apply a cleaning agent and wipe back and forth to remove the glue residue from the handlebar.

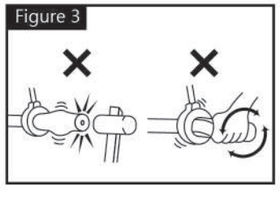
Figure 2



3. Push the heated grip straight onto the handlebar.

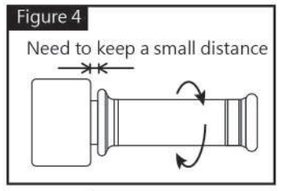
NOTE If the heating grip and the handlebar are loose; then apply the super glue (Accessory 4) to strengthen the hold to ensure that there will be no twisting during riding.

Figure 3



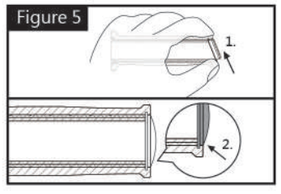
⚠ CAUTION!
To install, do not use any tool to knock the grip on. Do not twist the grip by hand or with a tool. By doing so, this will break or damage the wire inside the handlebar.

Figure 4



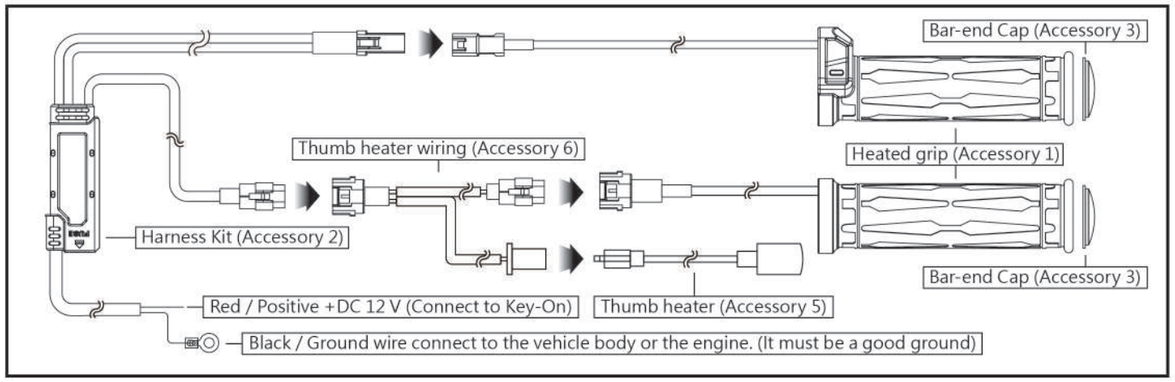
⚠ CAUTION!
To install the heating grip onto the throttle sleeve, the throttle must maintain a small distance with a surplus distance for wiring; You must test them by rotating back and forth to make sure they can twist.

Figure 5

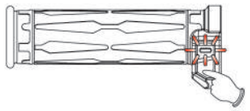


4. To install the side cap onto the heating grip, insert the top cap into the top groove and then press it downward into the bottom groove.

2-2 Practical installation instructions

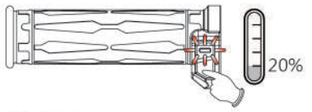


3 Heating Function Instruction

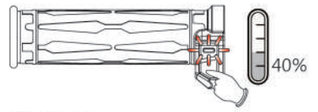


●Key-On: White Color Light Up Once
●Short Press: Enter Level 1

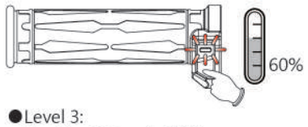
NOTE When no button pressed then it's in the turn-off mode which means no heating and no light up.



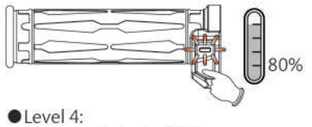
●Level 1:
Heating Output - 20%
Color of Light - Blue
●Short Press: Enter Level 2



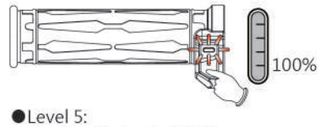
●Level 2:
Heating Output - 40%
Color of Light - Green
●Short Press: Enter Level 3



●Level 3:
Heating Output - 60%
Color of Light - Yellow
●Short Press: Enter Level 4



●Level 4:
Heating Output - 80%
Color of Light - Orange
●Short Press: Enter Level 5

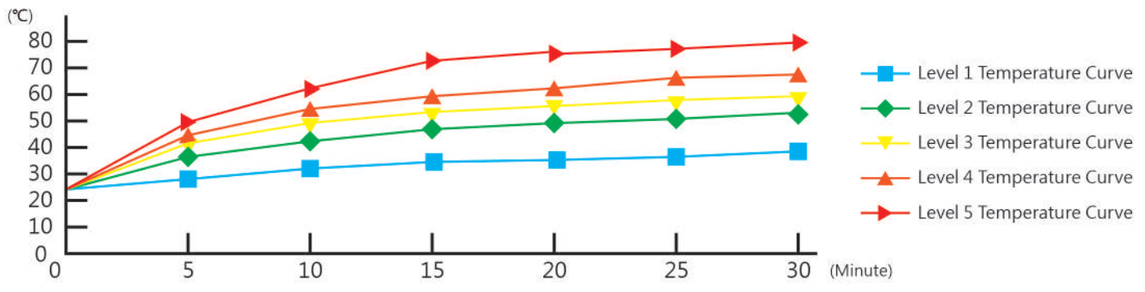


●Level 5:
Heating Output - 100%
Color of Light - Red
●Short Press: Turn-Off

NOTE Press and hold the button for 3 seconds could turn-off the heated grips in any level.

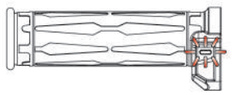
NOTE This Heated Grip combine the memorizing function which means no matter the grip was shut down in any level more than 3 seconds and restart, it will restore to the previous level.

4 Apollo Heated Grip Testing Data



NOTE The testing environment is under 25 Degrees Celsius, with working voltage of 13.5V.

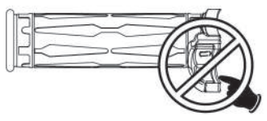
5 Low Battery Warning Instruction



- Low Battery Warning Activate Condition : When voltage lower than 11.5 V and more than 5 seconds.
- Heating Output : Turn-Off
- Indicator : Purple Light Flashing
- Short Press During Warning : Temporary deactivate the warning.
- Short Press During Turn-Off : Purple light flashing 3 times and turn-off.

NOTE Condition to Restore Normal Status : Detected voltage higher than 13 V and more than 5 seconds.

6 Caution



- Please do not push the rubber part too hard, it might cause the device broken.



- Please do not bend the in-line control unit on the harness kit, it might cause the unit broken.

7 Trouble shooting

The following situation do not indicate malfunction of the meter.Please check the following before taking it in for repair.

Trouble-1	Check item
No LED indicator lighting up.	●Could be the improper connection between the connectors. → Please check each connector about the connection. ●Could be the fuse was burnt. → Please replace the 4A fuse by Terminal Car Fuse.

※If the problem couldn't be solved after above checking, please contact the local dealer or KOSO directly.