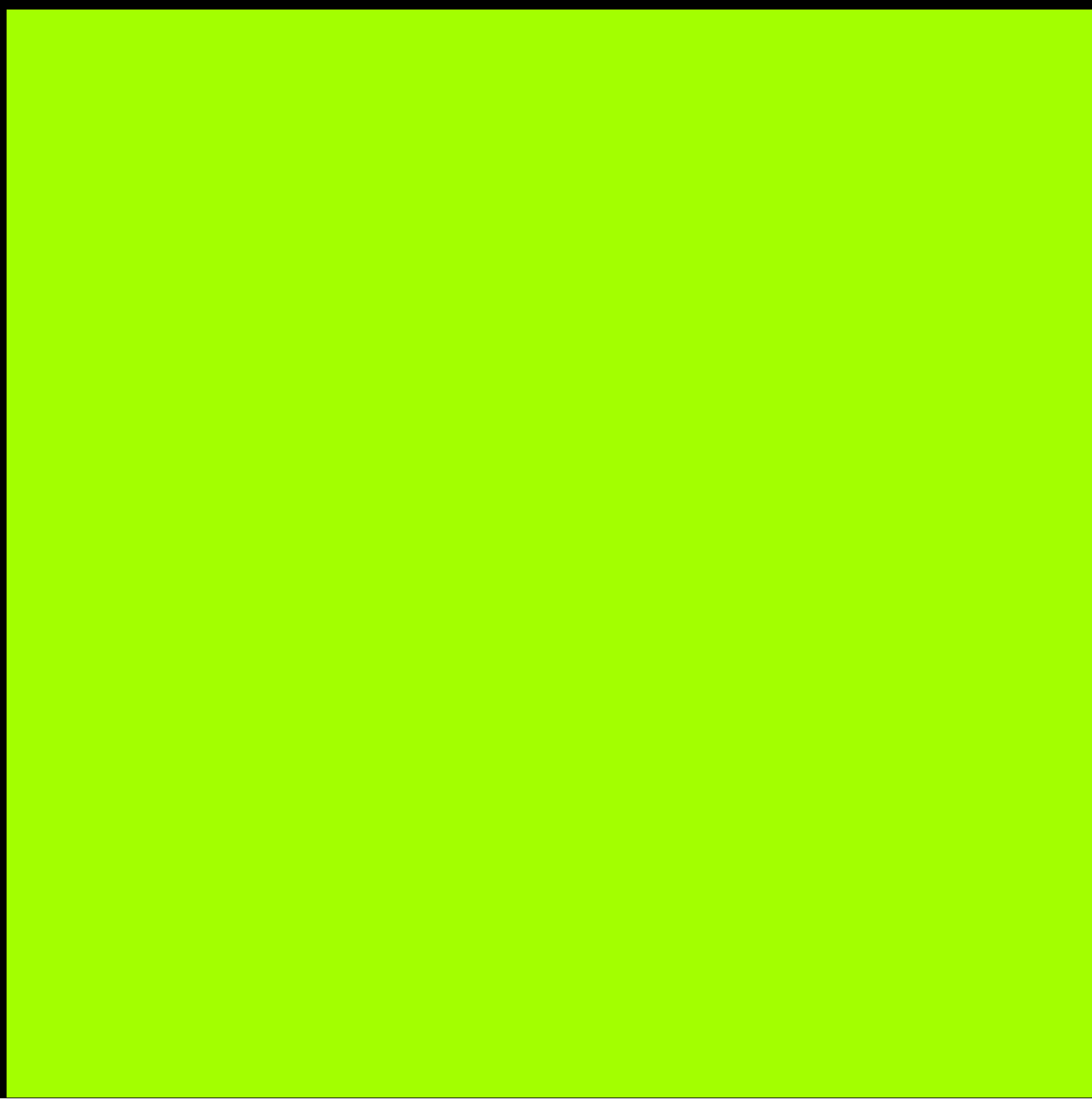


GREEN FORCE

HEATED GRIPS
DUAL GRIPS

#passion for innovation

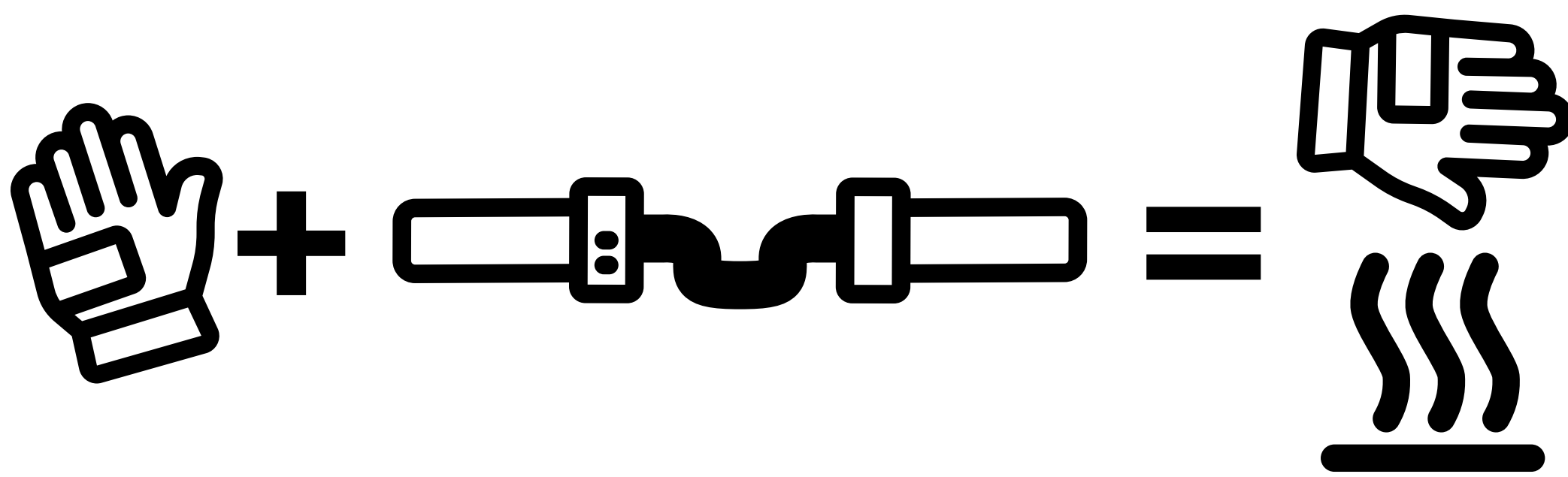




Green Force thanks you for purchasing its innovative DUAL GRIPS heated grips. Our DUAL GRIPS heated grips were invented, designed, and patented in France.

Our heated grips go beyond the classic cold protection. Indeed, the DUAL GRIPS can also be paired with HYBRID gloves, also offered by GreenForce, thereby eliminating the need for external batteries.

A technological and ecological breakthrough aligned with GreenForce's vision to make every journey more enjoyable and safe.



INSTALLATION PROCEDURE FOR ORIGINAL 130 MM GRIPS

Removing Original Grips:

You can remove the original grips by injecting compressed air between the grip and the handlebar using a blowgun connected to your compressor, or by cutting them with a cutter.

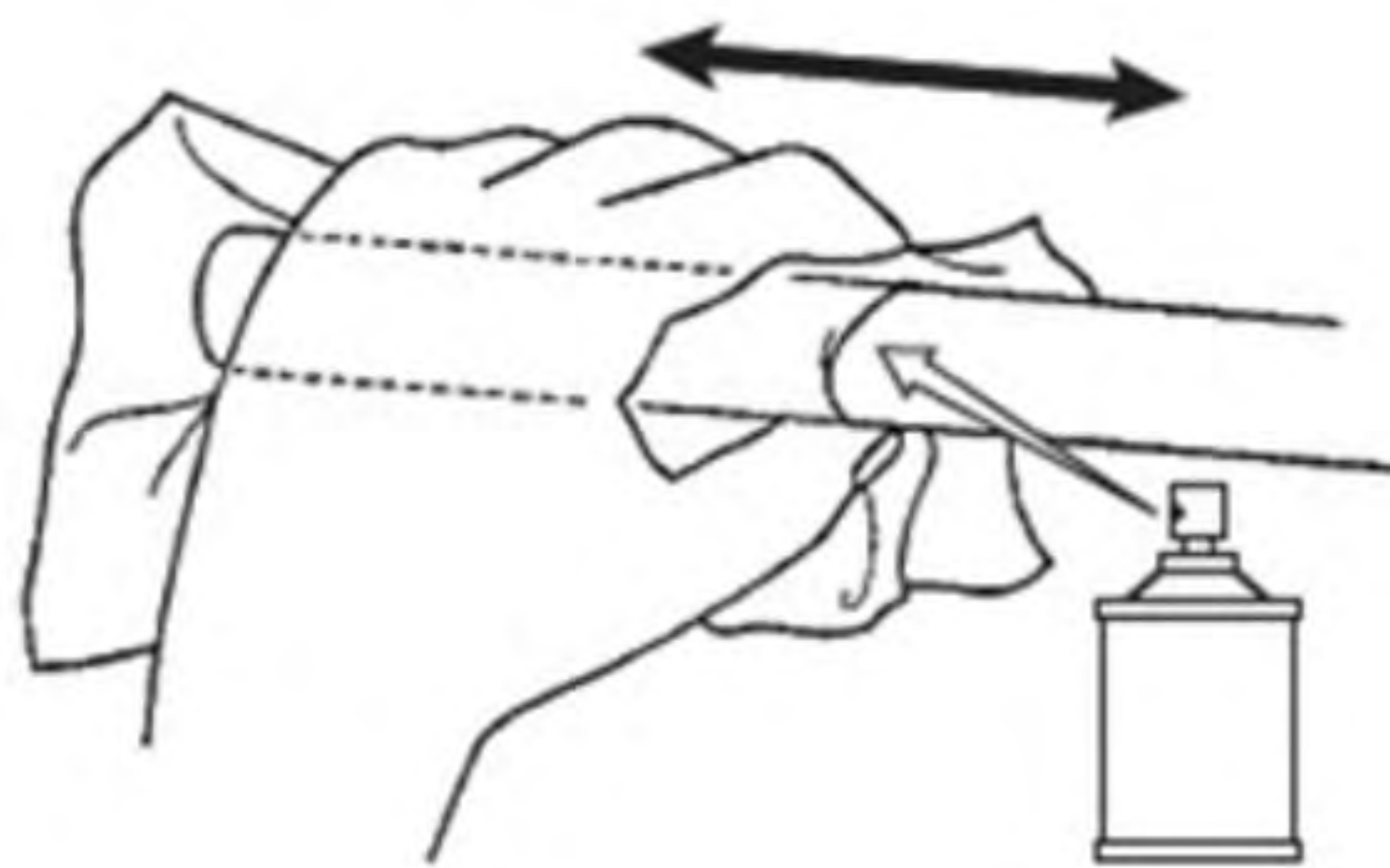


Fig. 1

Once removed, clean off adhesive residues using a cloth and solvent (Figure 1). Insert the heated grips (test-fit) and check for clearance between the grips and the handlebar.



Fig. 2

To reduce clearance, use adhesive tape. Apply the supplied neoprene glue to the handlebar and inside the heated grip.



Fig. 3

Heat the grip before installation. Insert the heated grip onto the handlebar, pushing with your palm (Figure 3).

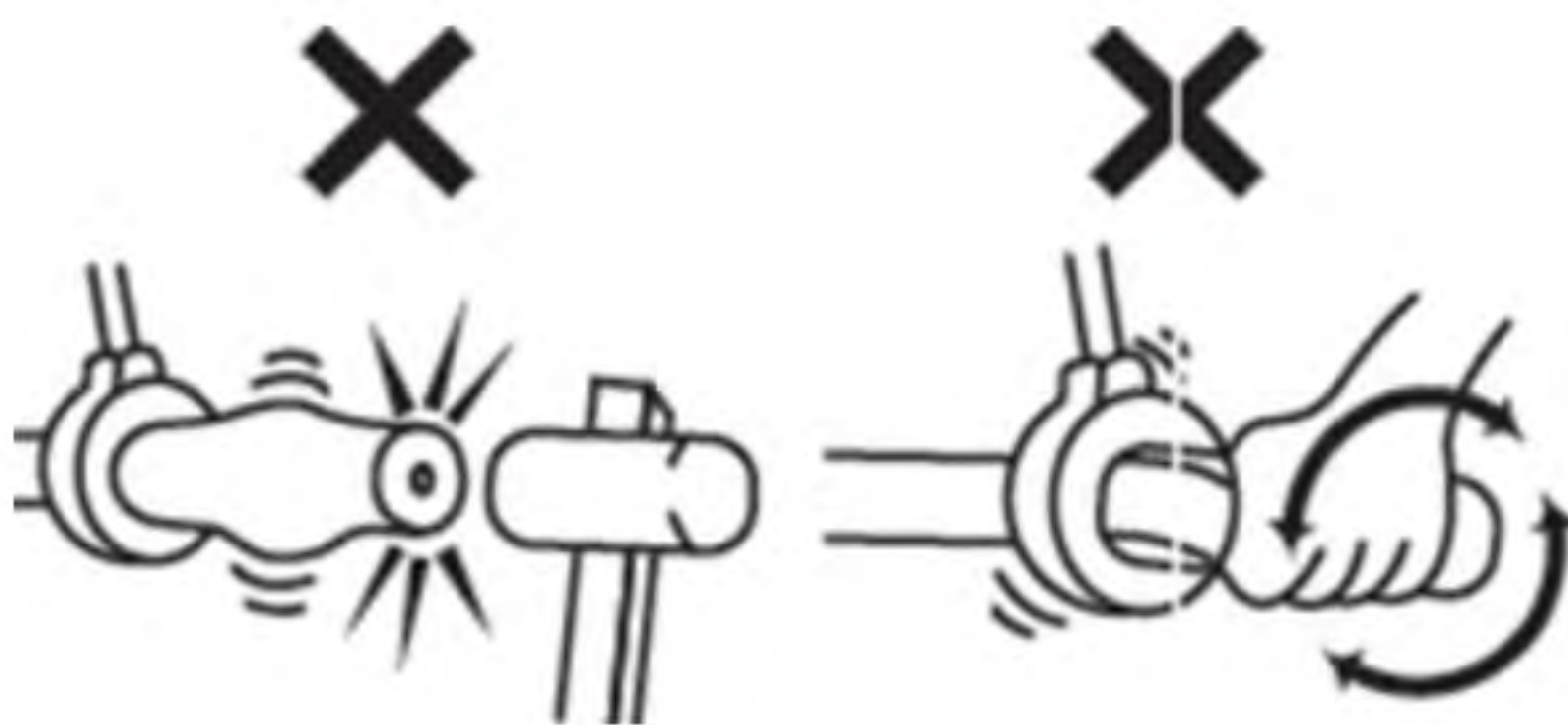


Fig. 4

CAUTION!

- Do not hit with a hammer.
- Do not twist the heated grips to insert them (Figure 4), as this may deform the grip and damage its heating element.

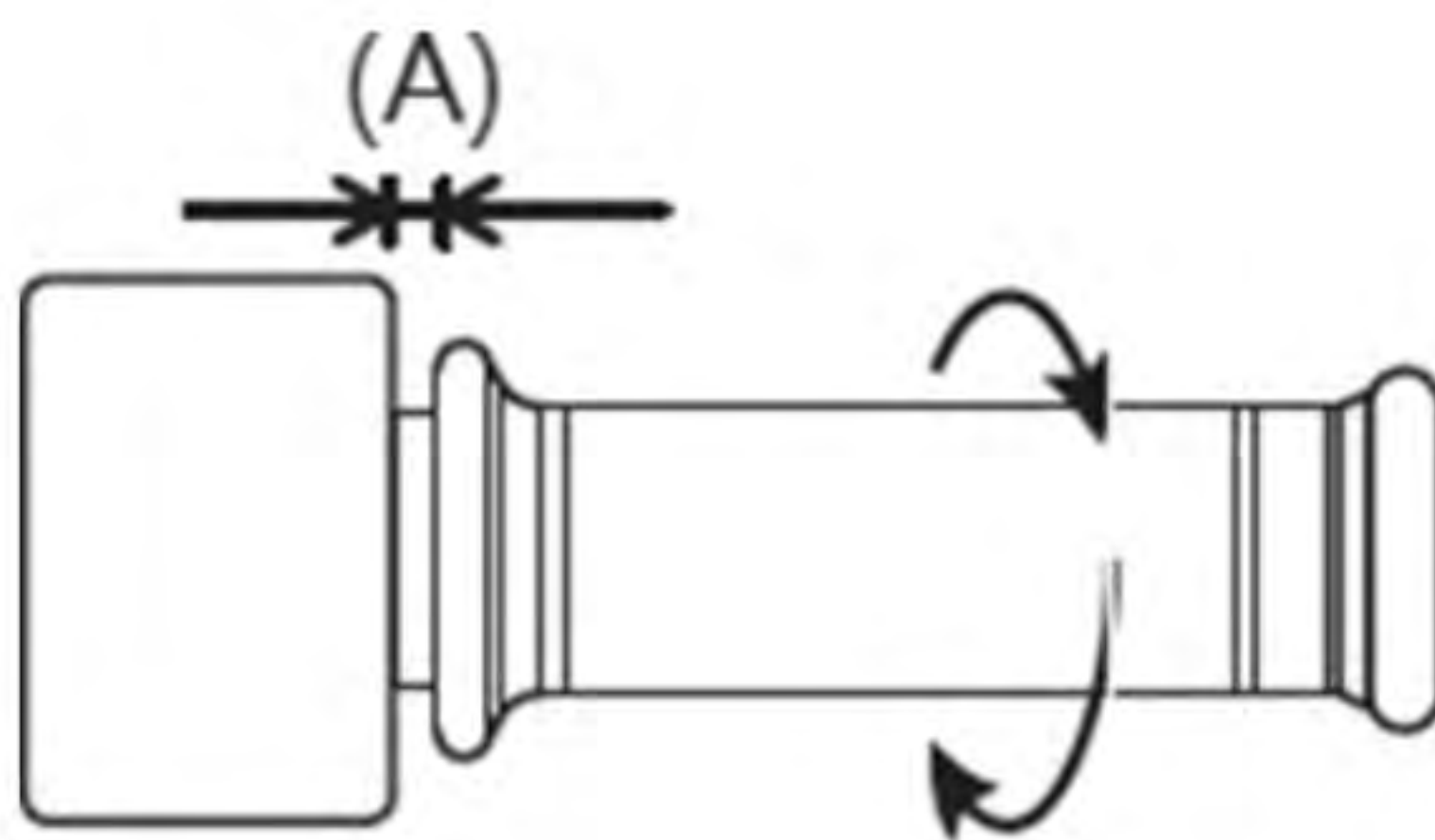


Fig. 5

For the right heated grip (throttle side, Figure 5), leave a 2–3 mm gap between the grip and the control switch (A) to ensure it rotates freely.

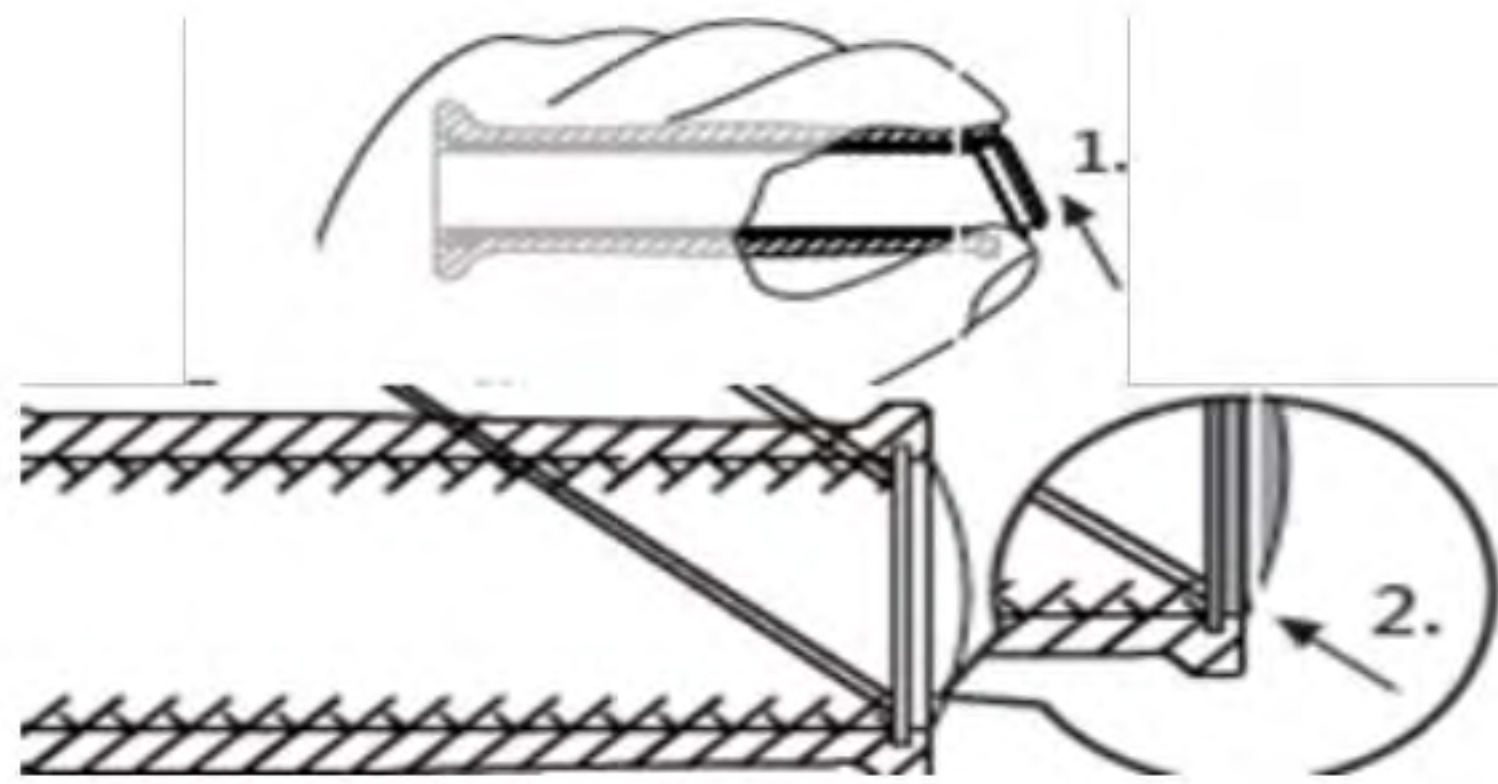


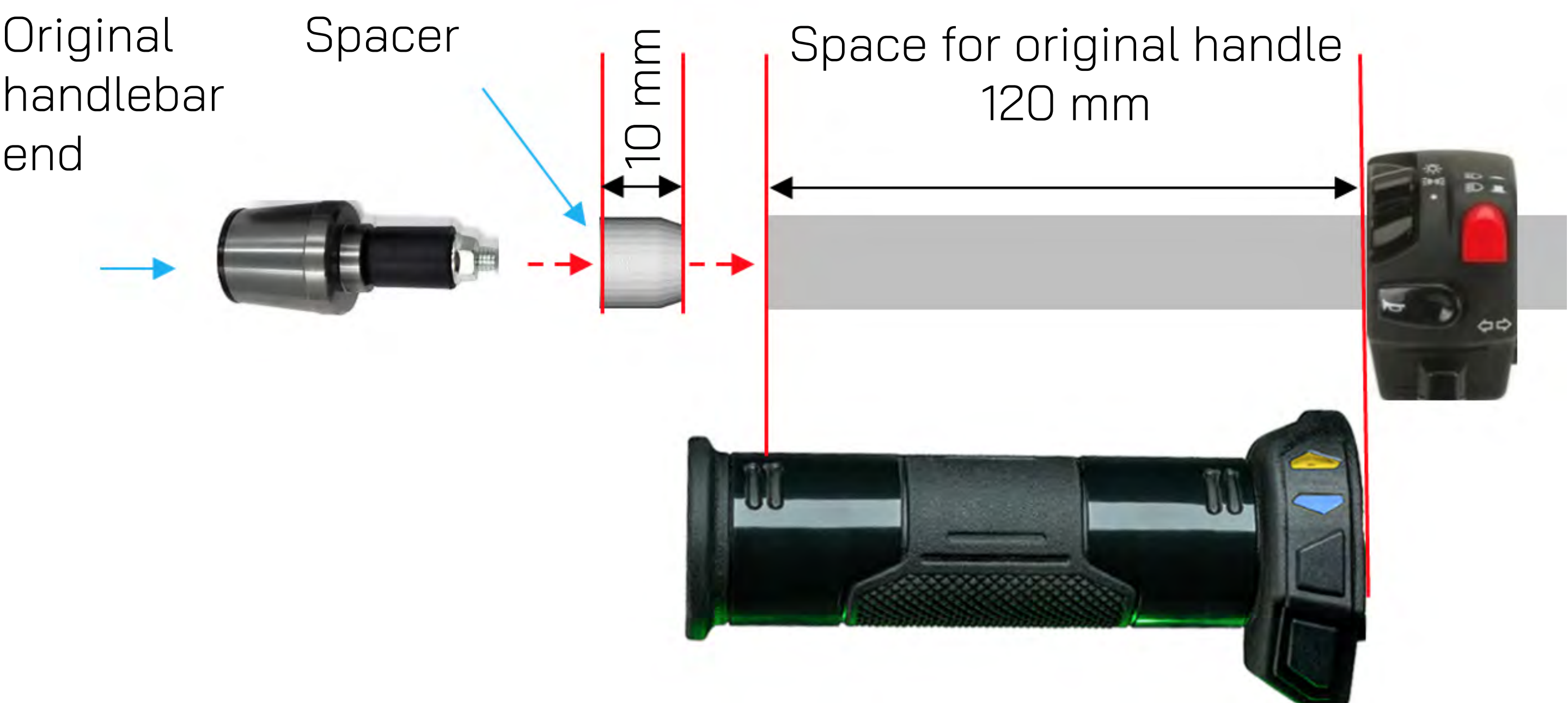
Fig. 6

If you don't have original handlebar end caps, you can insert the caps provided in your kit (Figure 6). Fit the cap into the designated slot.

CAUTION!




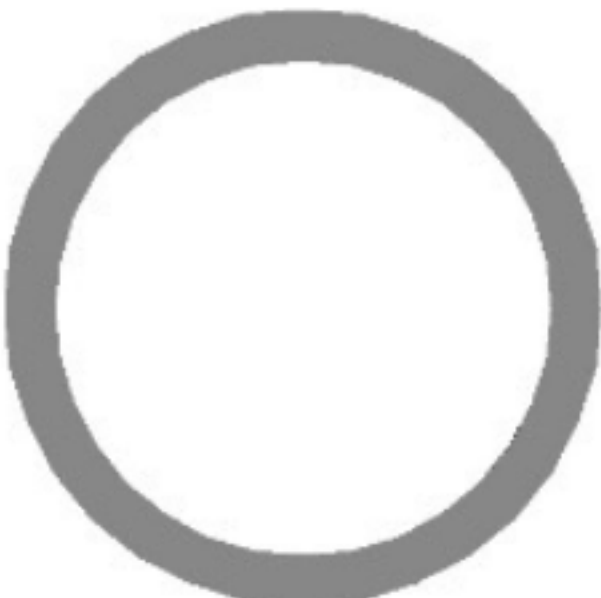
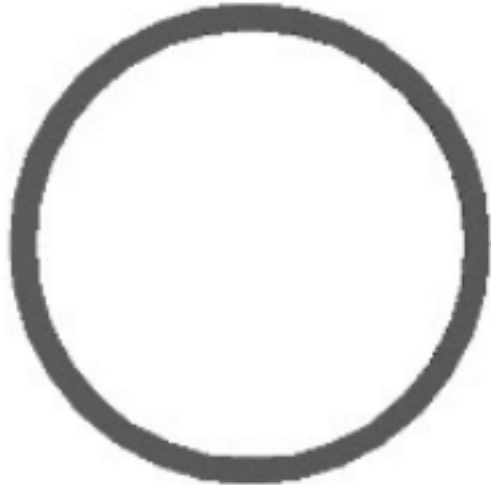




Before securing the right-side throttle grip's wiring with cable ties, ensure the cable remains free to move when the throttle is twisted.

**SPACER INSTALLATION
FOR ORIGINAL 120 MM GRIPS**



HANDLEBAR EXTENSIONS



Spacer A	Spacer B	Spacer C
		
22 x 18	18 x 16	16 x 12
		
22 x 11	18 x 11	16 x 11
		



HANDLEBAR EXTENSIONS
(MORE)



Spacer D



12 x 10



12 x 11



Spacer E



10 x 8



8 x 11



Spacer F



8 x 6



6 x 11

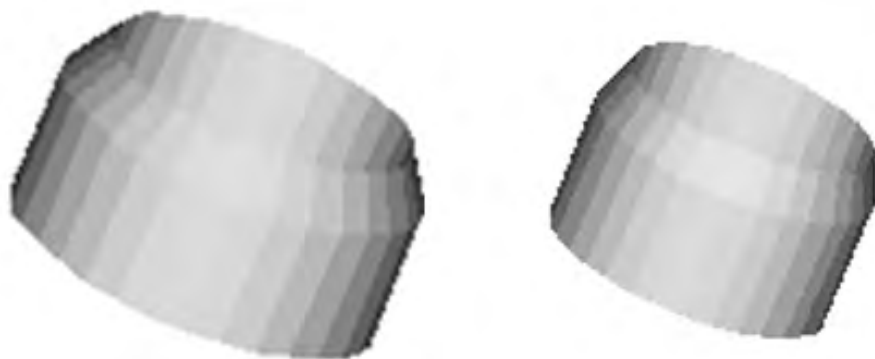


EXAMPLES OF COMBINATIONS:



Spacer A + Spacer B.

= 22 x 16



Spacer A + Spacer B + Spacer C.

= 22 x 12



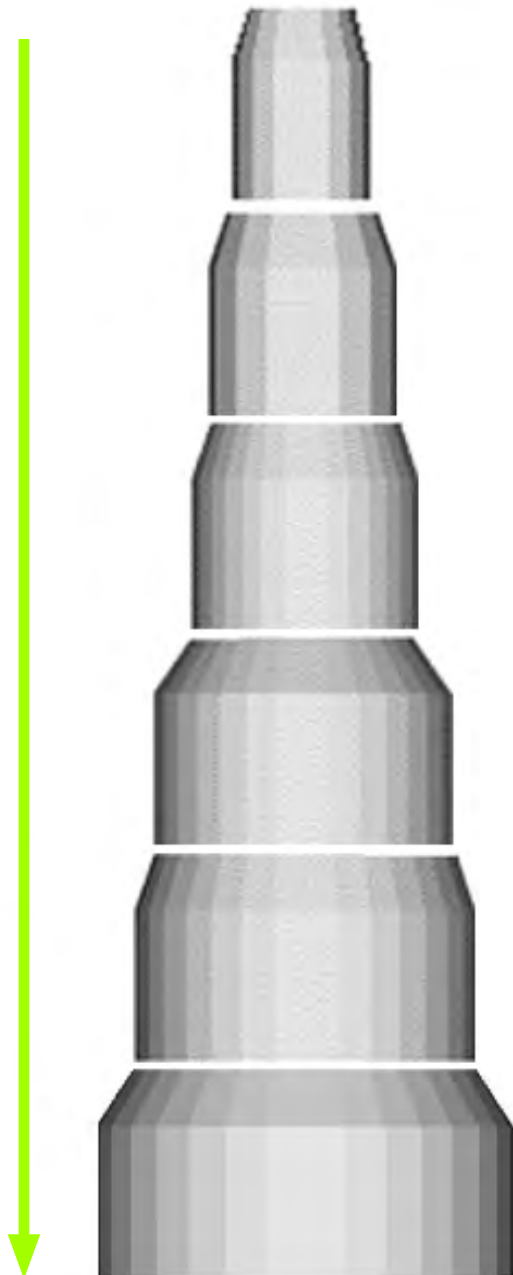
Spacer C + Spacer D.

= 16 x 10



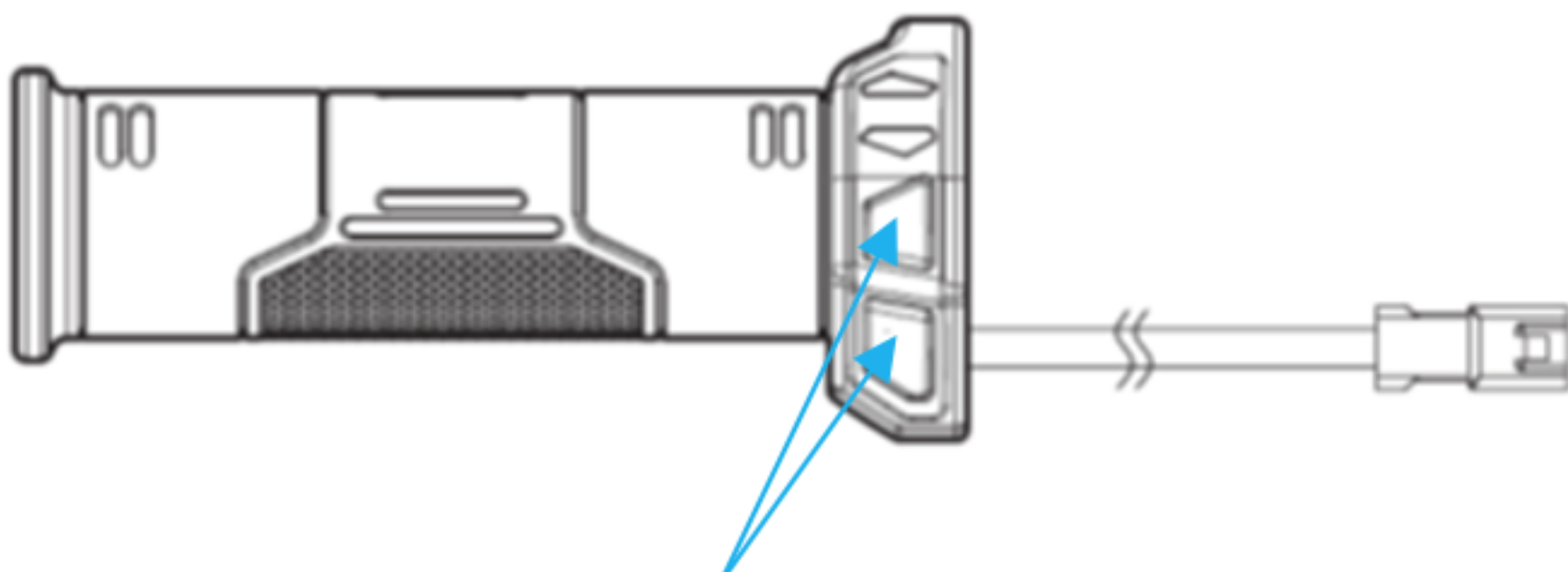
Spacer C + Spacer D + Spacer E + Spacer F.

= 16 x 6



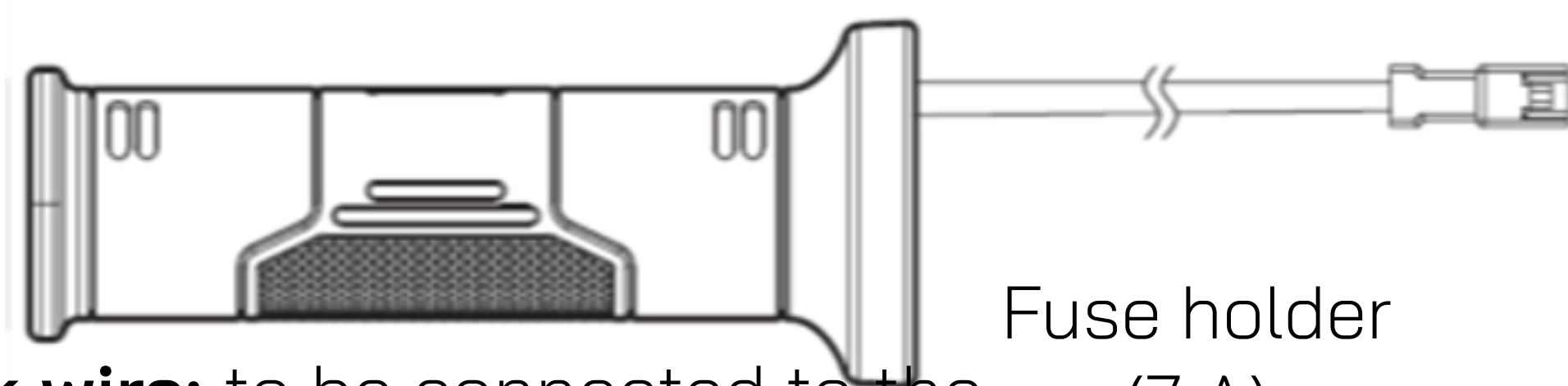
SCHEMATIC DIAGRAM

Left-hand heated handle



Push buttons :
On / Off
Temperature setting.

Right-hand heated handle



Black wire: to be connected to the negative of the vehicle

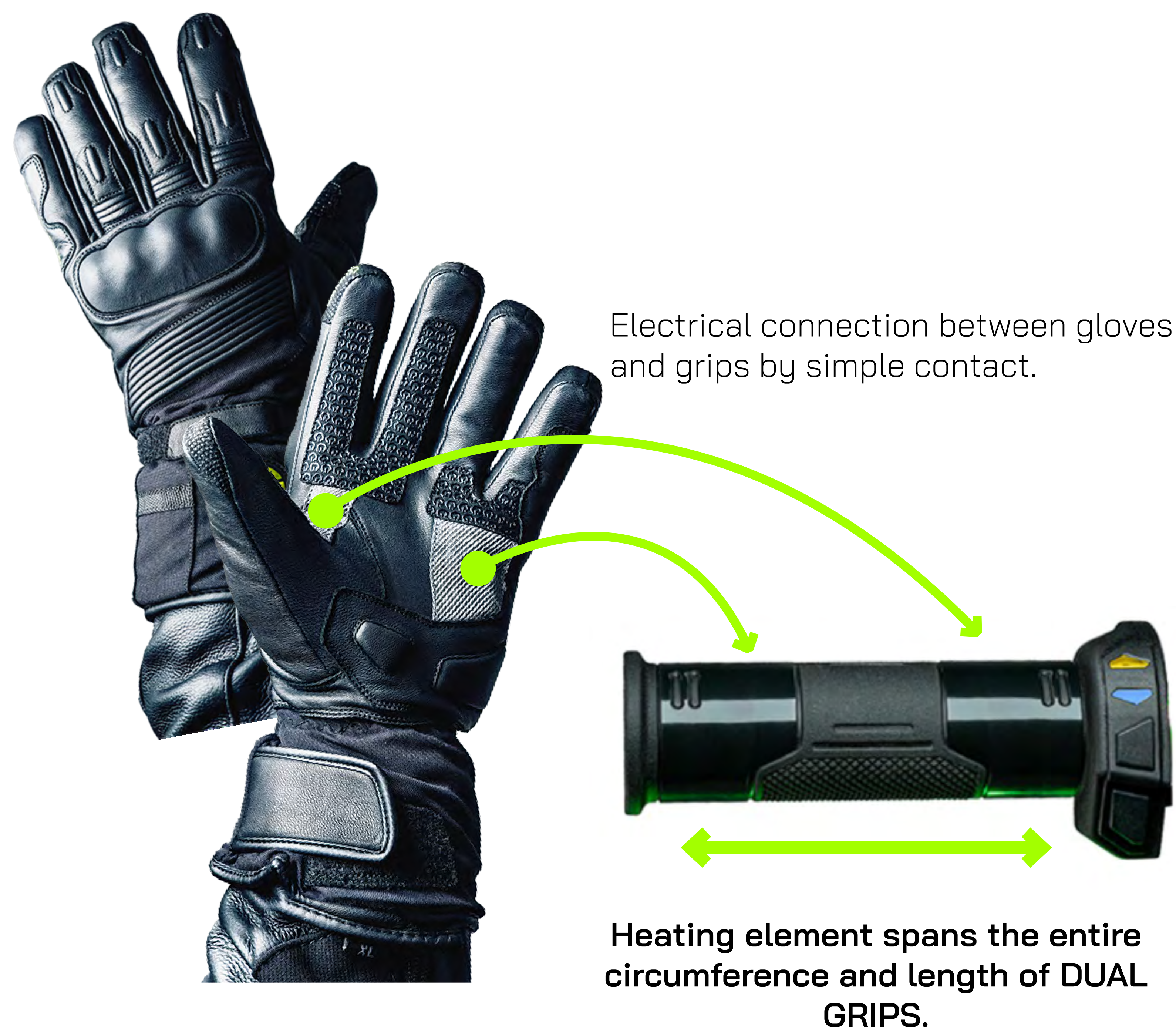
Red wire :

to be connected and soldered to the 12 volt '+' after the vehicle contact.

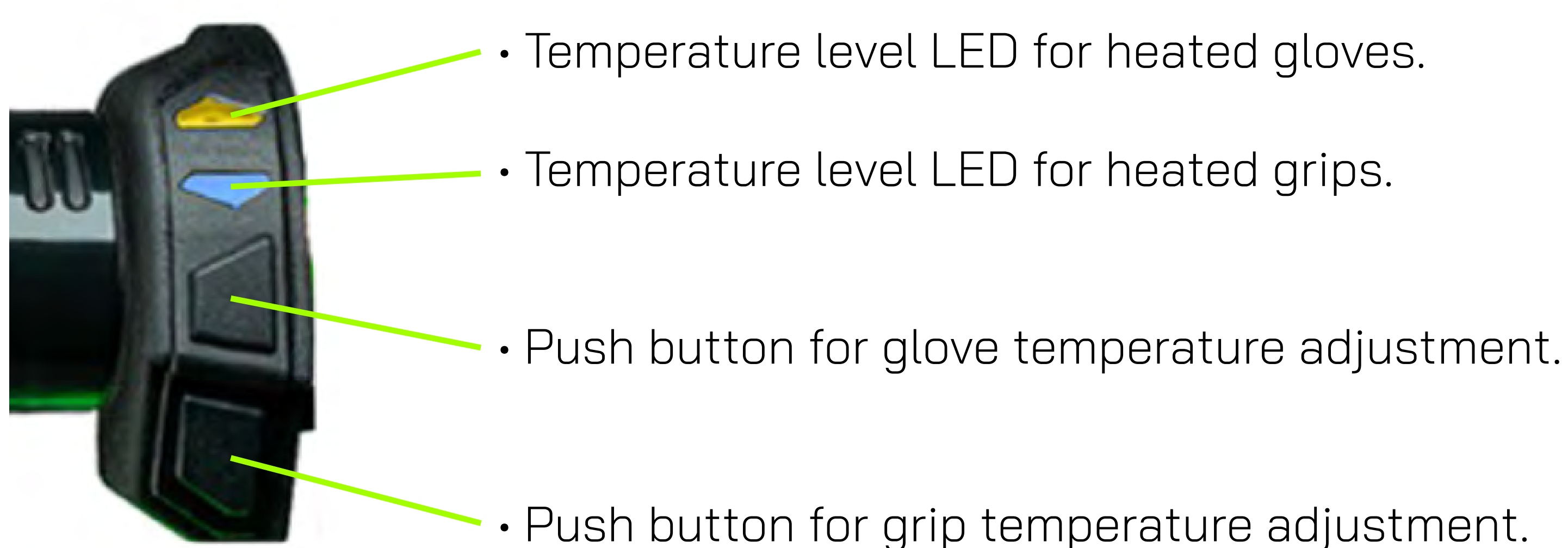
NOTE : We advise you to remove the eyelet lug and solder the black wire directly to the vehicle's main wiring harness. **Do not connect directly to the battery.**

OPERATING INSTRUCTIONS

GreenForce HYBRID Gloves: Compatible with **DUAL GRIPS** heated grips (sold separately).



INDICATORS AND CONTROLS:



CONNECTIONS BETWEEN GLOVES AND GRIPS



After turning the ignition key to «ON,» both LEDs light up white for **3 seconds** and then turn off:

- If at least one glove is in contact with the grips, the «heated glove temperature level» LED lights up white.
- Press the upper push button for **3 seconds** to turn on the heated gloves and adjust the temperature.

Behavior of the «heated glove temperature level» LED after glove heating activation:

- As long as a heated glove remains in contact with one of the grips, the temperature setting remains active.
- If no heated glove is in contact with the grips, the temperature level LED turns off after 3 seconds.
- To retain your initial setting, at least one glove must reconnect with the grips within 90 seconds.
- If no glove is in contact with the grips after 90 seconds, the LED will revert to white.

To reactivate glove heating, press the upper push button for **3 seconds**.

PUTTING DUAL GRIPS INTO SERVICE



STEP 1



Turn the key switch to 'ON', the two LEDs will light up white for 3 seconds and then go out.



Only the top LED could remain lit in white if one or two heated gloves are in contact with the handle.

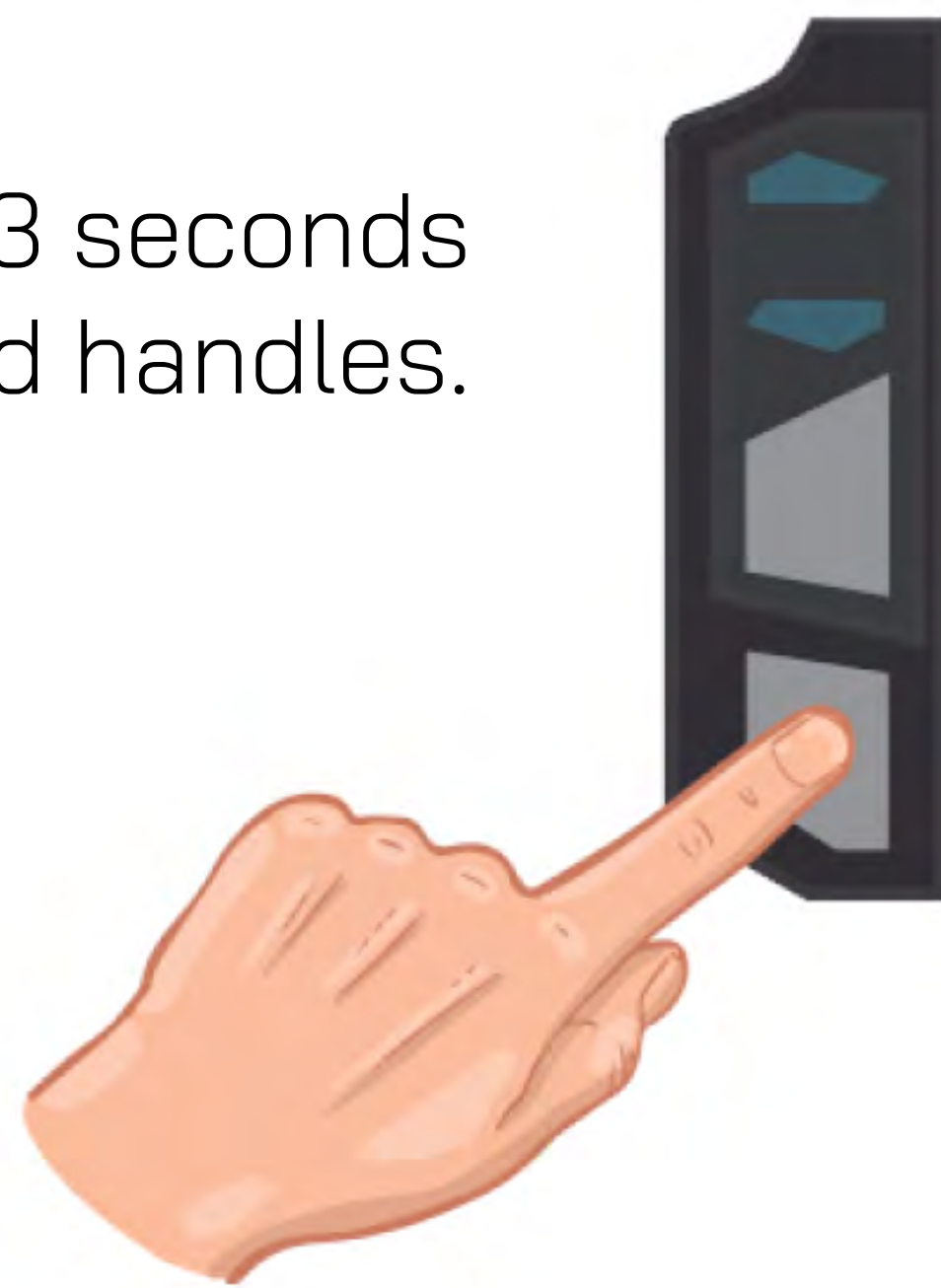


TEMPERATURE CONTROL

STEP 2

SETTING THE TEMPERATURE OF THE HEATED HANDLES (BOTTOM PUSH-BUTTON)

Press the **down button** for 3 seconds
to switch on the heated handles.



HEATED GLOVE TEMPERATURE SETTING (TOP PUSH-BUTTON)

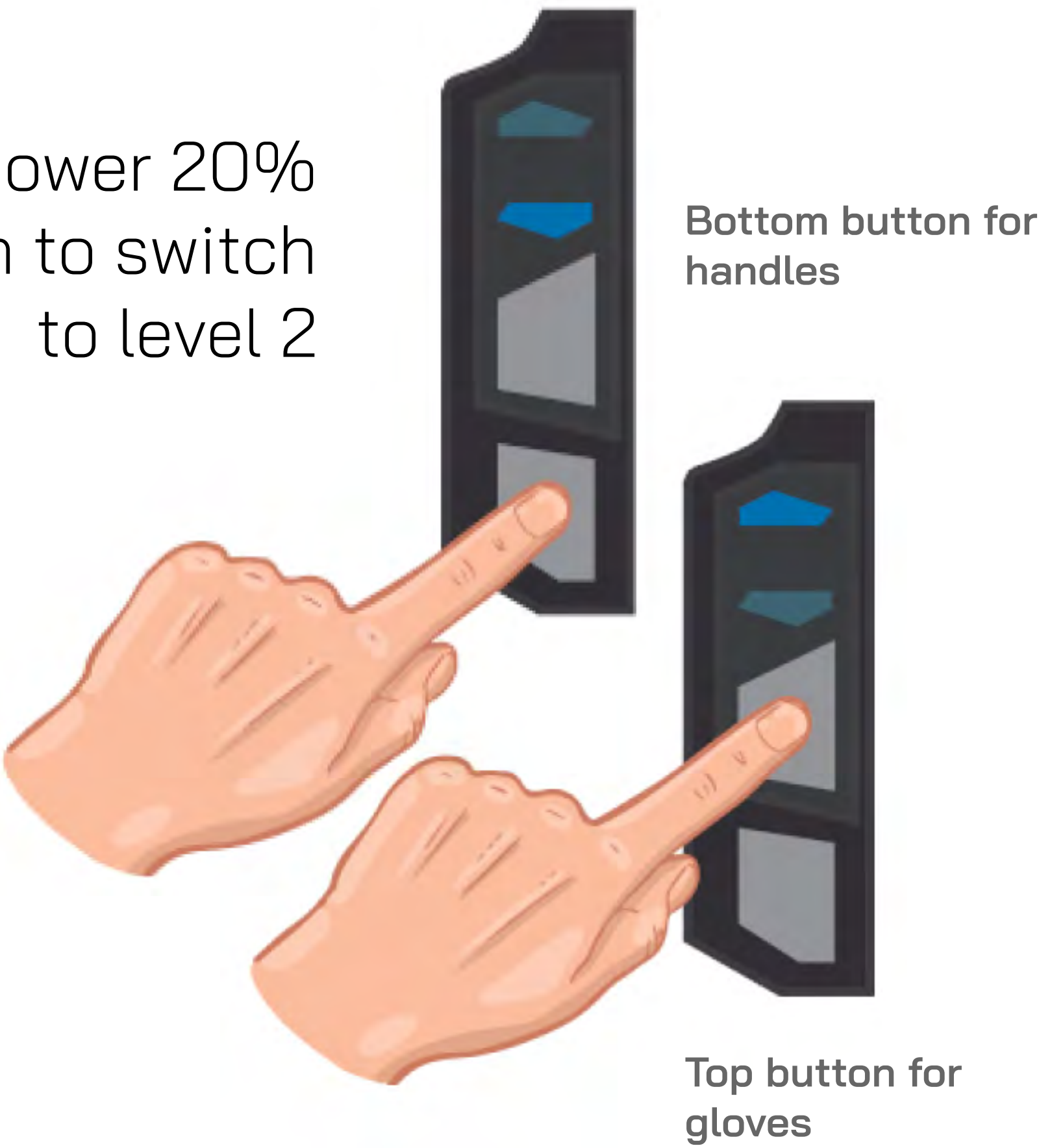
Press the **up button** for 3 seconds to
switch on the heated gloves.



STEP 3

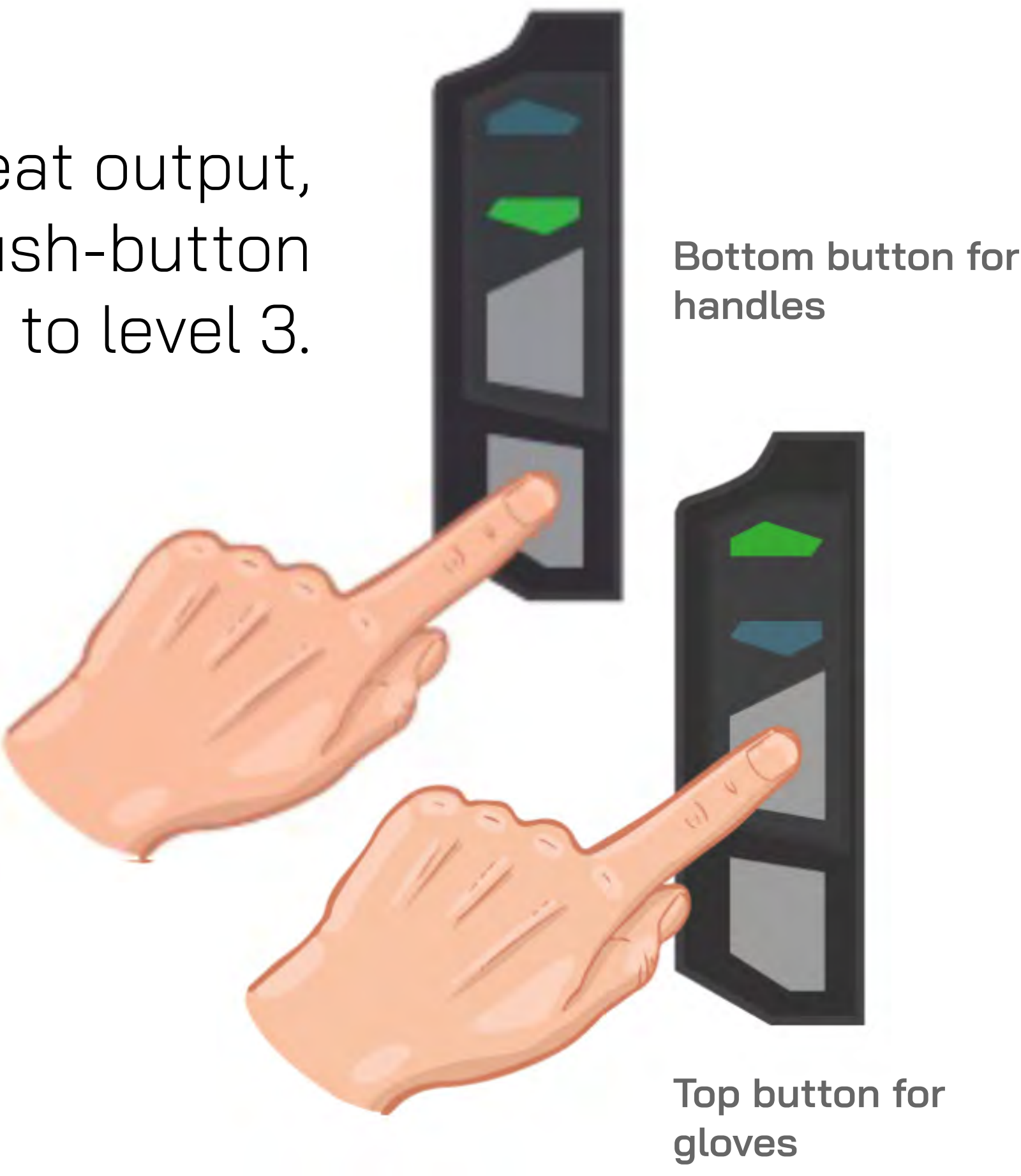
LEVEL 1

Blue LED
Heating power 20%
Press the push-button to switch
to level 2



LEVEL 2

Green LED, 40% heat output,
press the push-button
to go to level 3.

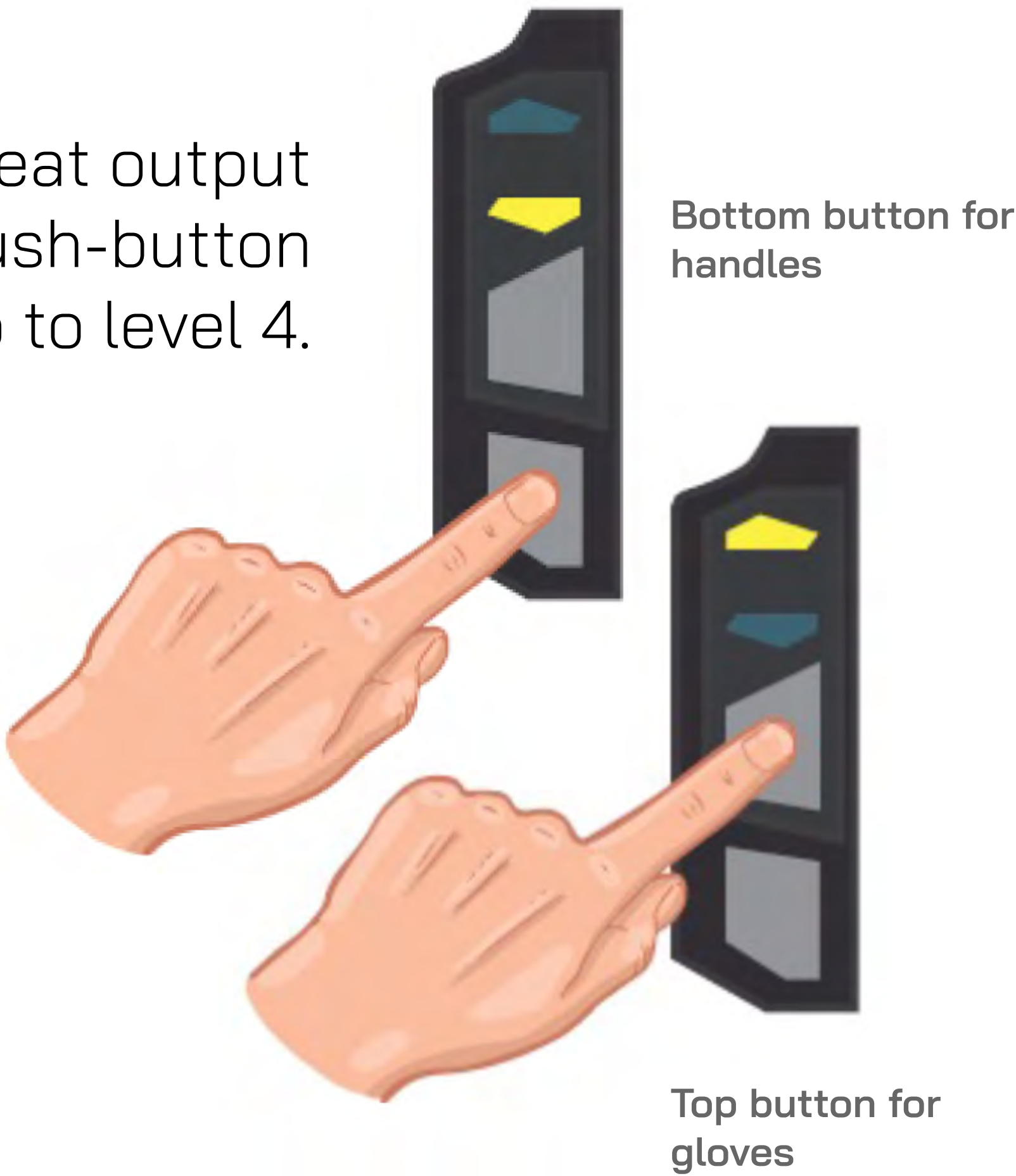
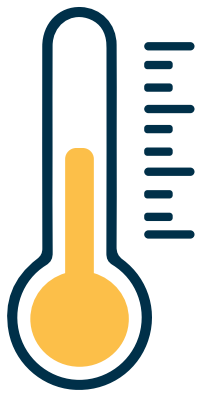


STEP 3

LEVEL 3

Yellow LED.60% heat output
press the push-button
to go to level 4.

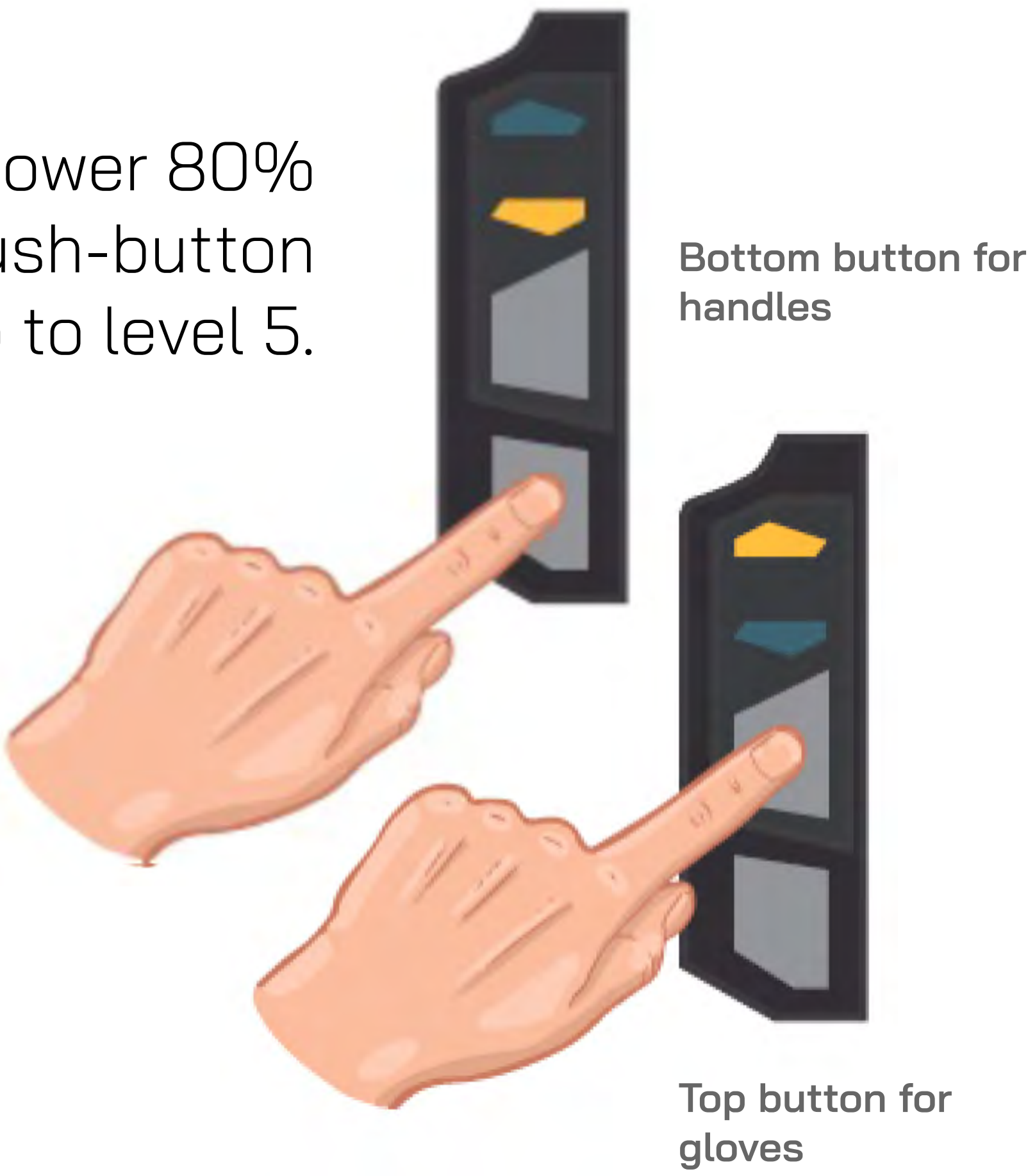
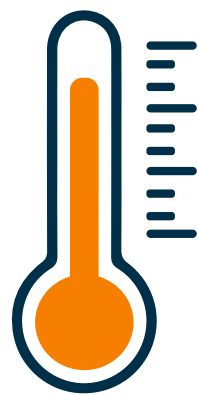
LEVEL 3



LEVEL 4

Heating power 80%
Press the push-button
to go to level 5.

LEVEL 4

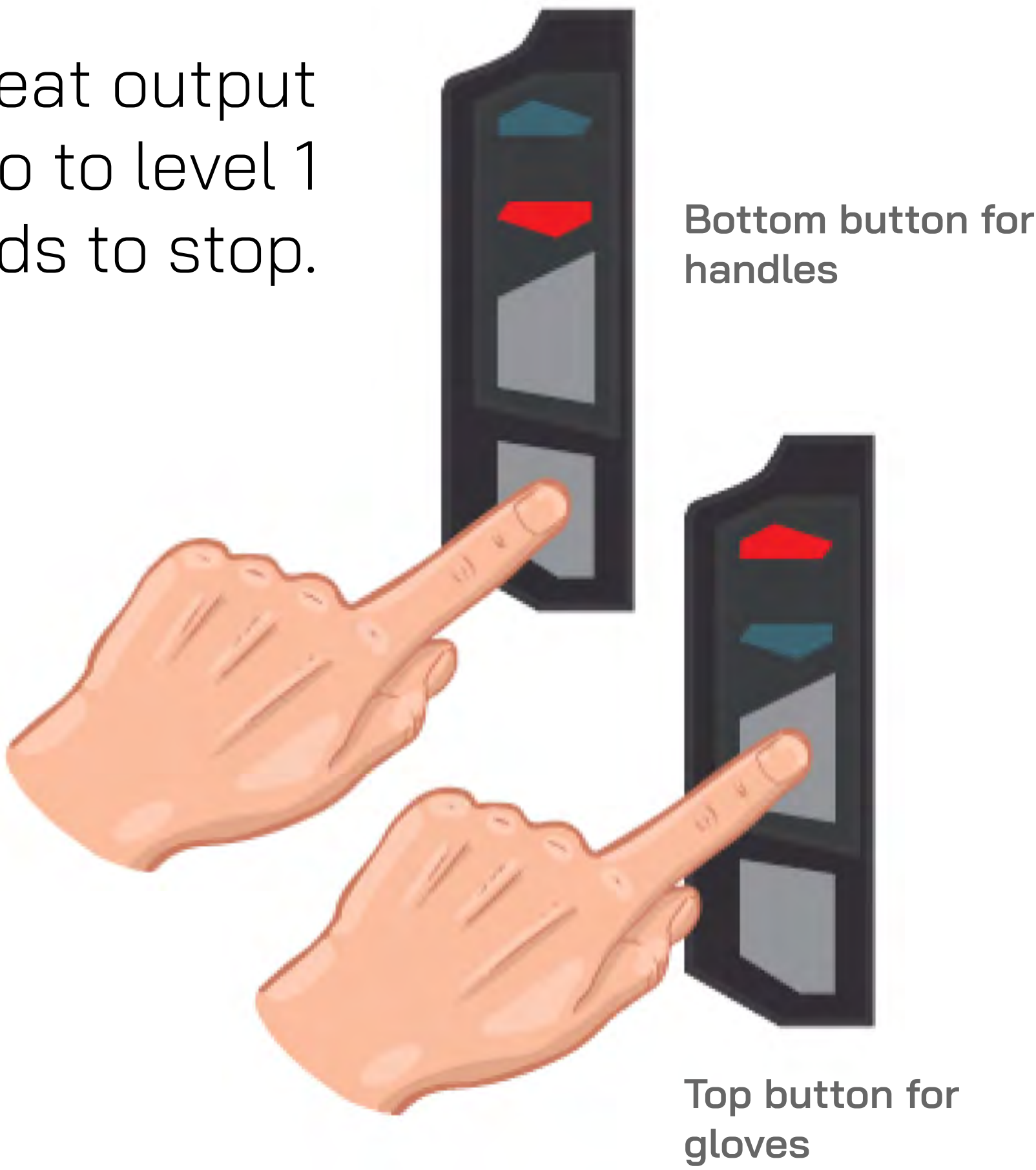
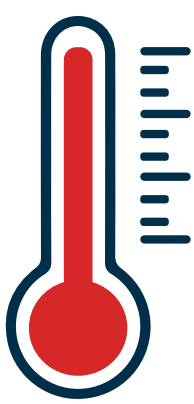


STEP 3

LEVEL 5

Red LED.100% heat output
Push-button to go to level 1
or 3 seconds to stop.

LEVEL 5

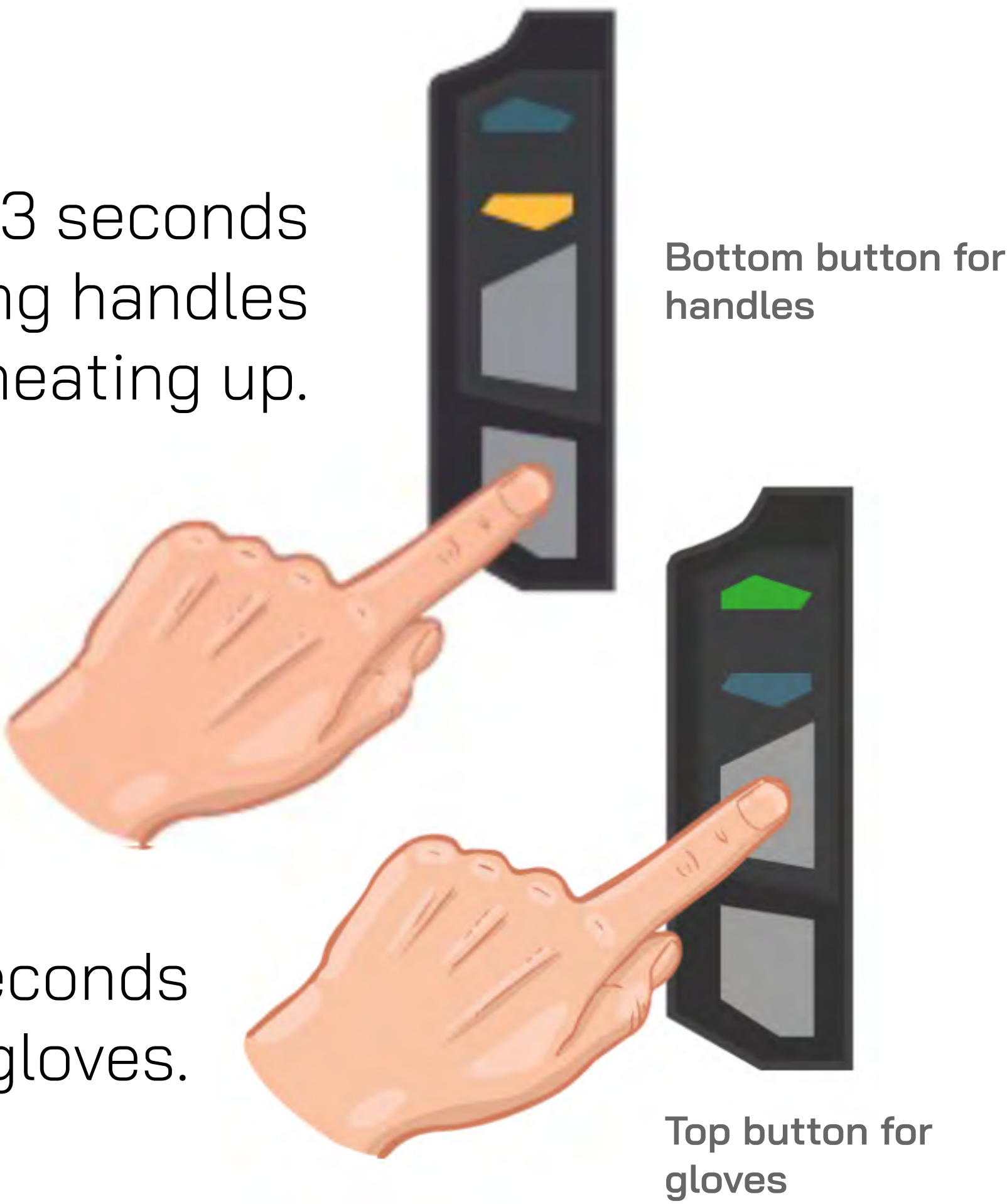


STEP 4

SWITCHING OFF HEATED GRIPS AND GLOVES

Press the down button for 3 seconds
to stop the heating handles
from heating up.

Press the top button for 3 seconds
to stop heating the gloves.



LOW BATTERY FUNCTION FOR HEATED GRIPS

When your heated grips are switched on and the battery is low, a purple light will flash.

This function is activated when the battery voltage falls below 11.5 Volts for more than 5 seconds; the ideal operating voltage is 13 Volts.

Top indicator for
heated grips



LOW BATTERY FUNCTION FOR GLOVES:

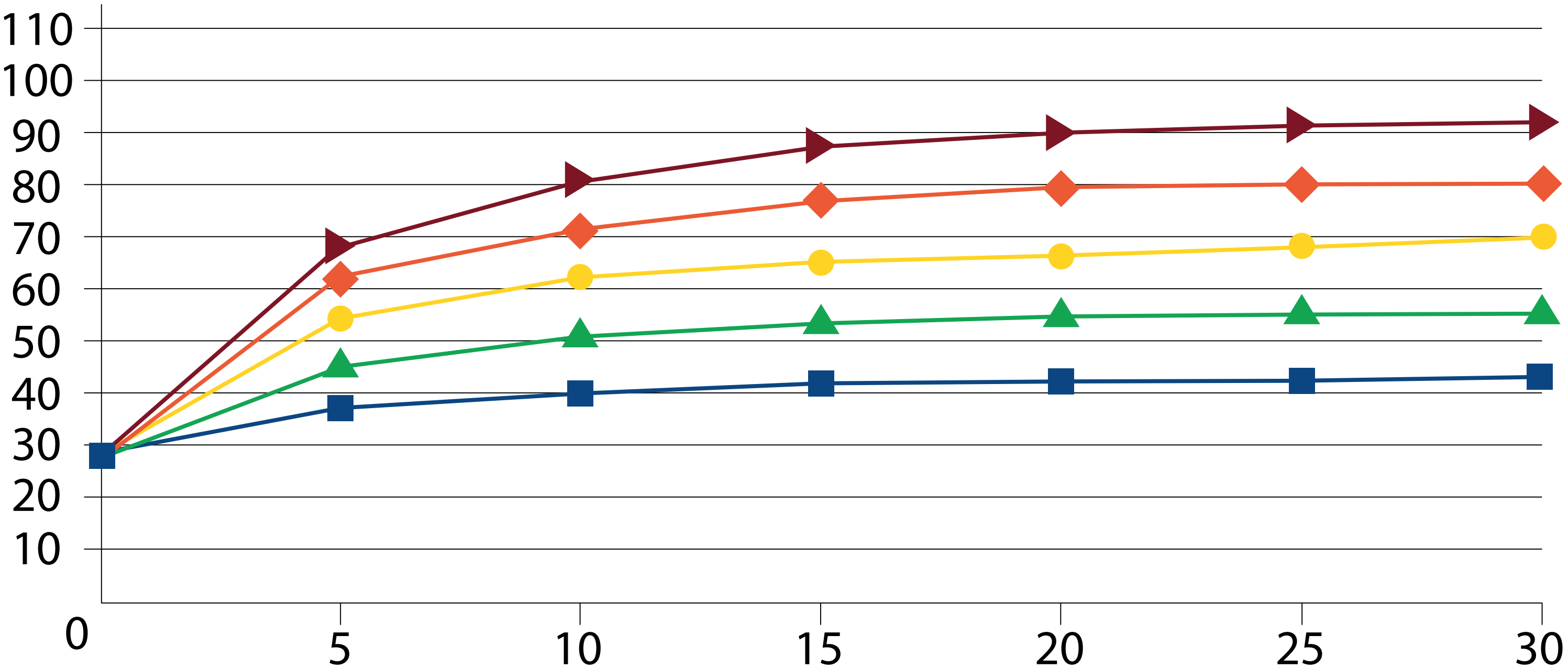
When your heated gloves are switched on and the battery is low, a purple light will flash.

This function is activated when the battery voltage falls below 11.5 Volts for more than 5 seconds; the ideal operating voltage is 13 Volts.

Top indicator for
heated gloves



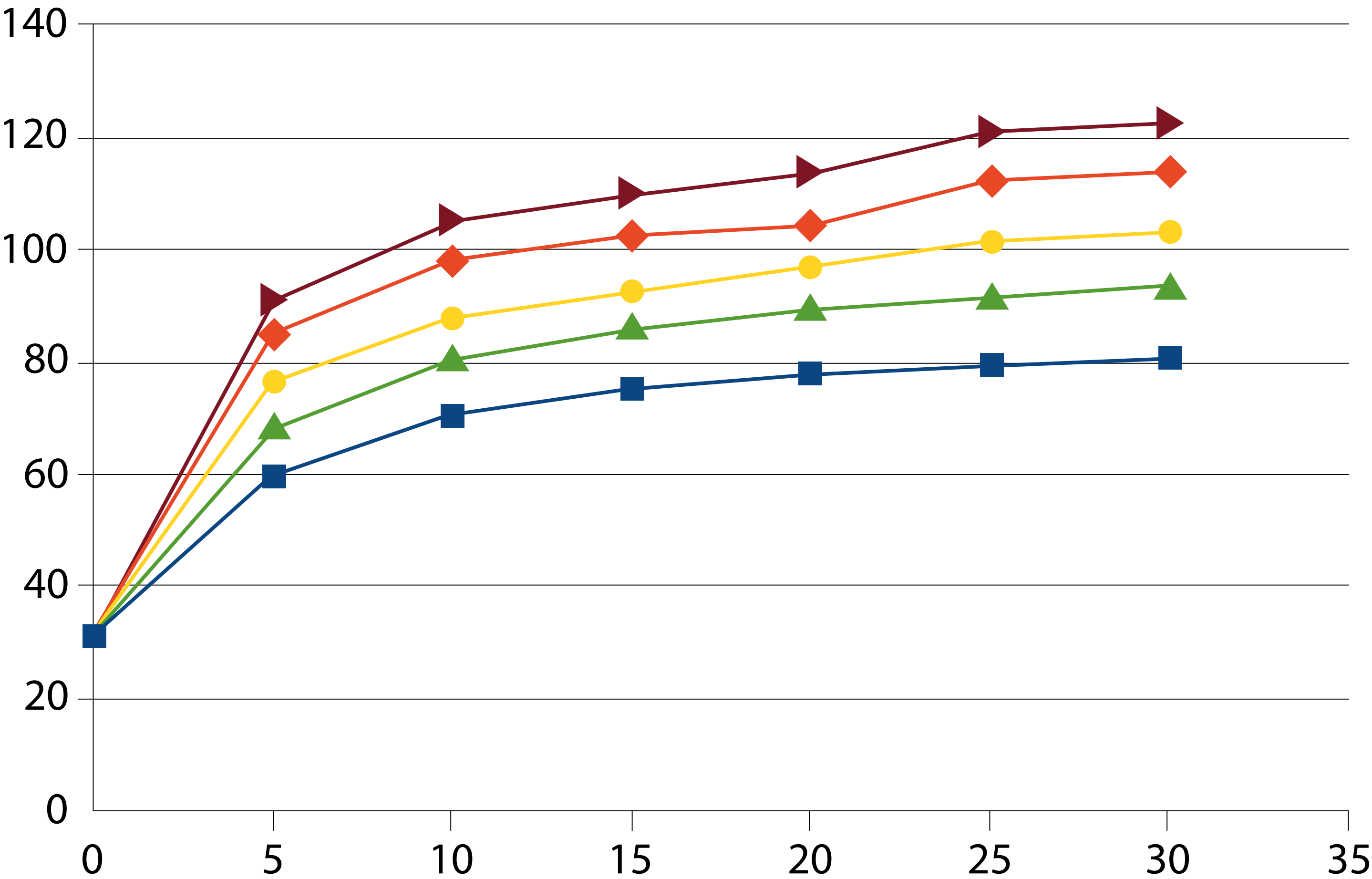
**TEMPERATURE CURVE
FOR HEATED HANDLES**



NOTE : Test environment
below 26 degrees Celsius, with
an operating voltage of 13.5 V.

- Level temperature curve 5
- Level temperature curve 4
- Level temperature curve 3
- Level temperature curve 2
- Level temperature curve 1

TEMPERATURE CURVE
FOR HYBRID GLOVES



NOTE : Test environment
below 26 degrees Celsius, with
an operating voltage of 13.5 V.

- Level temperature curve 5
- Level temperature curve 4
- Level temperature curve 3
- Level temperature curve 2
- Level temperature curve 1

MAINTENANCE TIPS

- 1. Avoid Shocks:** Do not hit or strike the grips to prevent deformation or damage to internal components.
- 2. Protect the Grips from Chemicals:** Avoid contact with chemicals, as this can damage the surface finish, degrade the appearance of the conductive rings, or affect the quality of the grip's rubber.
- 3. No High-Pressure Cleaning:** Do not use a high-pressure cleaner on the grips, as it may damage the seals and internal components.
- 4. Gentle Cleaning:** Use a soft, damp cloth with mild soap to clean the grips. Avoid abrasive or corrosive products to preserve the integrity of the materials.
- 5. Regular Inspection:** Regularly inspect the grips for signs of wear or damage.
- 6. Professional Installation:** Have the grips installed by a qualified professional to ensure optimal performance and avoid installation or usage issues.
- 7. Water Protection:** While the grips are waterproof (IP67 rating), avoid prolonged immersion to preserve their lifespan.

TECHNICAL SPECIFICATIONS:

Power supply: 12 V DC (10 V – 16 V).

Recommended battery: At least 6 Ah.

Compliance: ECE R10, CE certification.

Warranty: 2 years.

Minimum standby consumption: 1.5 mA \pm 0.5mA
Maximum Consumption of heated handles: 3.2A \pm 0.5A
Maximum Consumption of heated gloves: 2.4 A \pm 0.5 A

Power per level of heated handles: Level 1:

1.26 W / Level 2: 2.34 W / Level 3: 3.39 W / Level 4: 4.47 W /
Level 5: 5.52 W

WARRANTY

The GreenForce DUAL GRIPS heated grips are covered by a 24-month warranty from the date of purchase, provided they are installed by a qualified professional with a dated invoice as proof. This warranty only covers manufacturing and material defects under normal product usage, in accordance with the provided installation and usage instructions.

Important: The sputter-treated rings on the handles may lose their satin finish over time and become shinier. This aesthetic change, which is due to natural wear and tear, does not constitute a manufacturing defect and in no way affects their proper operation.

WARRANTY EXCLUSIONS

The warranty does not cover the following cases:

- 1. Normal wear and tear:** Aesthetic changes, such as the loss of the satin finish of the 3C rings or wear to the rubber on the handles, are the result of regular use of the product. Damage caused by excessive use is also excluded.
- 2. Improper installation:** Any damage caused by improper installation or installation by unqualified personnel.
- 3. Improper maintenance:** Damage caused by cleaning that does not comply with the recommendations in this manual.
- 4. Misuse:** Any deformation, cut, burn, fall or any inappropriate use in abnormal conditions.
- 5. Extreme environmental conditions:** Damage caused by prolonged exposure to very high temperatures, direct heat or intense sunlight.
- 6. Unauthorised modifications and repairs:**
Any intervention, modification or repair carried out by a third party not authorised by GreenForce.

CONDITIONS OF APPLICATION OF THE WARRANTY

For any claim, the purchaser must provide proof of purchase and, if applicable, an invoice for professional installation. GreenForce reserves the right to inspect the handles before replacement or repair. Return shipping costs are the responsibility of the purchaser, but will be refunded if the defect is confirmed.

LIMITATION OF RESPONSIBILITY

The warranty is limited to the repair or replacement of the heat grips, at GreenForce's option. In no event shall GreenForce be liable for any indirect, incidental or consequential damages arising out of the use or inability to use DUAL GRIPS heat grips.

AFTER SALES SERVICE

If you have any questions about the guarantee or after-sales service, please contact GreenForce after-sales service at the following address: sav@greenforce.team



www.greenforce.team

#passion for innovation