SHARK 4ZONE ATV LOCK-ON HEATED GRIPS

Product Code: 800-01-040

USER INFORMATION & INSTALLATION INSTRUCTIONS

Thank you for purchasing SHARK Heated Grips. SHARK Lock-On Heated Grips with integrated controls are designed for easy installation on thumb-operated vehicles such as ATVs and snowmobiles. They are not intended for motorcycles and vehicles with twist throttle control. The grips offer 2 levels of heat. Thermistor in each grip helps to maintain a constant heat level.

IMPORTANT!

- Heating is designed to fit most ATVs and snowmobiles with 12V electrical system and 22mm diameter handlebars. Heating must be installed and used in accordance with the instructions.
- Read all instructions carefully before installation and using, and follow the information carefully.
- **For correct and safe operation of the heater, we recommend installation to be carried out by a qualified service technician.**
- The manufacturer, distributor, or dealer will accept no liability for any damage resulting from improper installation or improper use of the product, or using of the product contrary to the instructions.
- Unauthorized or unprofessional installation, tampering or modification of the equipment poses the risk of damage to the equipment, vehicle electrical installation or the vehicle itself.
- Do not leave the vehicle unattended when the heated grips are turned on. Switch off the grips when you stop the vehicle.
- For safe operation, we recommend to connect the heating via the vehicle‘s main ignition switch so that the heating switches off when the ignition is switched off. Otherwise, if heating is connected directly to the battery, there is a risk of battery discharge if you forget to switch the heater off.

TECHNICAL DATA

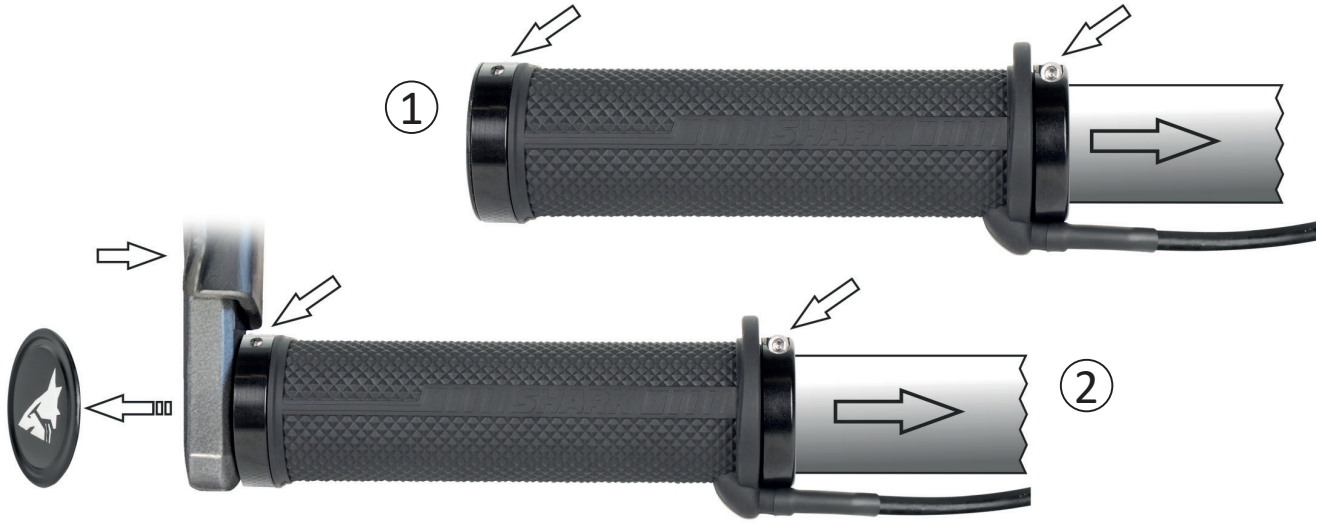
- For 22 mm handlebars
- 12 Volt systems only
- 2 heating intensity levels
- Power: Grips 40W (2x 20W)
- Current Drain: Grips 3.3A (total)
- Grips length: 130 mm
- WATERPROOF CONNECTORS
- Fuse 7.5 A, protection against overvoltage and reverse polarity

PARTS LIST

- 2 Heated SHARK Lock-On Grips
- Three-position switch
- Electronic control unit with complete wiring
- No. 2.5 Allen key for tightening the grips
- Spare fuse
- Zip ties

INSTALLATION OF THE GRIPS

1. Remove the existing grips from the handlebars. If you have hand guards mounted on your handlebars, remove them first.
2. Clean the handlebar ends of all glue, residues and dirt. Smooth off any raised ridges with a file or sandpaper, and degrease the handlebars thoroughly.
3. If installing grips in combination with hand guards, first remove the Lock-On end caps from the outer clamps, see picture ②.
4. Loosen the screws on Lock-On clamps and slide the grips onto the handlebars with grip wires facing towards the machine.
5. Adjust the correct position of the grips: mount the vehicle and position the grips so that the control buttons can be operated comfortably with your thumbs.
6. Tighten both grips with the supplied Allen key (do not forget to tighten both clamps, see Fig.①). If necessary, the handlebar surface can be roughened with sandpaper under the clamps for better adhesion. Check that grips are firmly locked onto the handlebars and do not twist.
7. If you have removed the hand guards, reinstall them.
8. For electrical wiring, see page 3.



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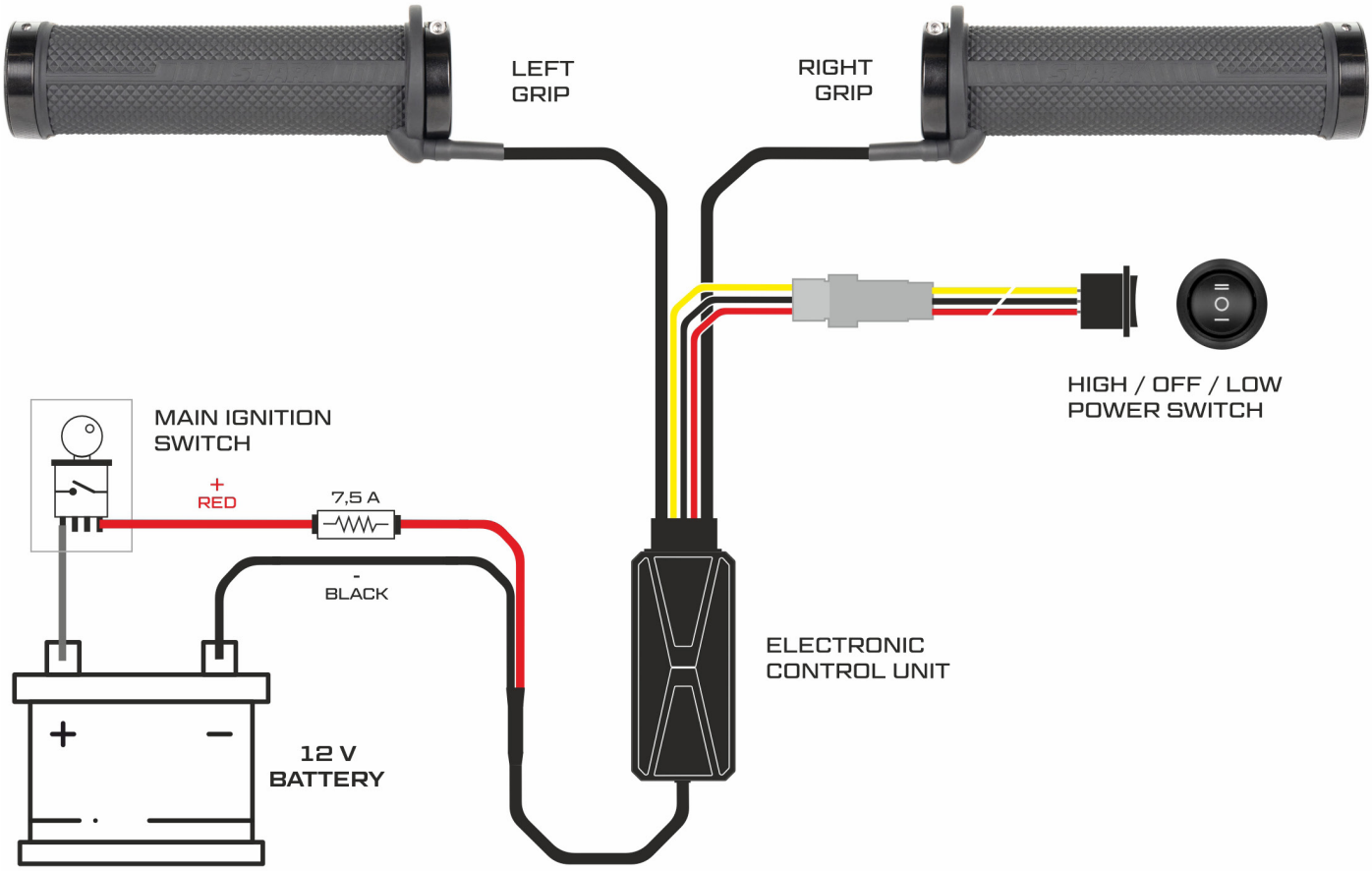
ELECTRICAL WIRING

Thanks to the pre-wiring, electrical connection of the SHARK 4ZONE Heated Grips is easy.

1. Disconnect both battery terminals - first disconnect the negative (- black) terminal and then the positive (+ red) one.
2. Measure the sufficient cable length and select suitable location for the electronic control unit. Place the control unit so that it will be protected from water and mud, on the place without risk of damage during operation.
3. Secure the cables with the zip ties, but do not tight them for now, leave the cables free. Make sure that cables are not pinched, have sufficient slack all along their length, and that the cables aren´t/ won´t be too tight anywhere.
4. Double check the cable wiring for sufficient slack by turning the handlebars to their full stop positions in both directions. The cables must not be stretched or strained in any way when moving the handlebars. Ensure that there is sufficient slack between the handlebars and the electronic control unit to allow free movement of the handlebars.

Note:
Do not connect the electrical circuit (black wire) to the vehicle frame, but only to the negative terminal of the battery. A good grounding connection is important for proper and safe operation of the heating.

Warning:
We do not recommend to connect heated grips directly to the battery. If you forget to turn off the grips after stopping the engine, the battery could be drained.

5. Finally, reconnect the battery (positive (red) terminal first, then the negative (black) terminal), and test the whole system according to the instructions in the chapter Grips Control on page 4. If everything works properly, secure the cables to the handlebars / vehicle firmly by zip ties. Double check, that cables can´t be torn or damaged during operation.