

Campagnolo[®]

11TM
SPEED

ERGOPOWERTM

EPSTM

CONTROL LEVERS



WARNING!

Carefully read, follow and understand the instructions given in this manual. It is an essential part of the product, and you should keep it in a safe place for future reference.

MECHANIC QUALIFICATION - Please be advised that many bicycle service and repair tasks require specialized knowledge, tools and experience. General mechanical aptitude may not be sufficient to properly service or repair your bicycle. If you have any doubt whatsoever regarding your service/repair ability, please take your bicycle to a qualified repair shop.

"AN ACCIDENT" - Please note that throughout this manual, reference is made that "an accident" could occur. Any accident could result in damage to your bicycle, its components and, more importantly, could cause you or a bystander to sustain severe personal injury or even death.

INTENDED USE - This Campagnolo® product is designed and manufactured for use only on road racing style bicycles that are ridden only on smooth road or track surfaces. Any other use of this product, such as off-road or on trails is forbidden.

LIFESPAN - WEAR - INSPECTION REQUIREMENT - The lifespan of Campagnolo® components depends on many factors, such as rider size and riding conditions. Impacts, falls, improper use or harsh use in general may compromise the structural integrity of the components and significantly reduce their lifespan. Some components are also subject to wear over time. Please have your bicycle regularly inspected by a qualified mechanic for any cracks, deformation, signs of fatigue or wear. If the inspection reveals any deformation, cracks, impact marks or stress marks, no matter how slight, immediately replace the component; components that have experienced excessive wear also need immediate replacement. The frequency of inspection depends on many factors; check with your authorized Campagnolo® representative to select a schedule that is best for you. If you weigh 82 kg/180 lbs or more, you must be especially vigilant and have your bicycle inspected more frequently (than someone weighing less than 82 kg/180 lbs) for any evidence of cracks, deformation, or other signs of fatigue or stress. Check with your mechanic to discuss whether the components you selected are suitable for your use, and to determine the frequency of inspections.

Important PERFORMANCE, SAFETY and WARRANTY Notice

- Dear customer, please remember that to maximise the performance of your EPS drivetrain and to prevent jeopardising its safety, performance, long-life and functionality, it is absolutely necessary to use the 6 components of EPS drivetrain with components of the Campagnolo 11 speed mechanical drivetrain; it is not possible to use EPS components that are not manufactured by Campagnolo.

Note: Tools supplied by other manufacturers for components similar to Campagnolo® components, may not be compatible with Campagnolo® components. Likewise, tools supplied by Campagnolo s.r.l. may not be compatible with components supplied by other manufacturers. Always check with your mechanic or the tool manufacturer to insure compatibility before using tools supplied by one manufacturer on components supplied by another.

The user of this Campagnolo® product expressly recognizes that there are risks inherent in bicycle riding, including but not limited to the risk that a component of the bicycle can fail, resulting in an accident, personal injury or death. By his purchase and use of this Campagnolo® product, the user expressly, voluntarily and knowingly accepts and/or assumes these risks, including but not limited to the risk of passive or active negligence of Campagnolo s.r.l. or hidden, latent or obvious defects in the product, and agrees to hold Campagnolo s.r.l. harmless to the fullest extent permitted by law against any resulting damages.

1. POSITIONING ON THE HANDLEBAR

When installing/removing or servicing components, switch off the EPS drivetrain as indicated in the instruction sheet of the EPS Power Unit.

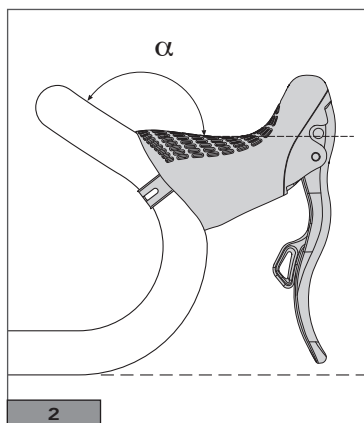
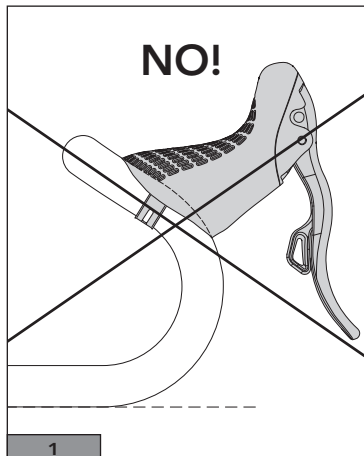
- Do not place the upper part of the control on the straight section of the handlebar (Fig. 1).

- Make sure that the part of the handlebar onto which you are fitting the control has a surface rough enough to guarantee maximum adherence.

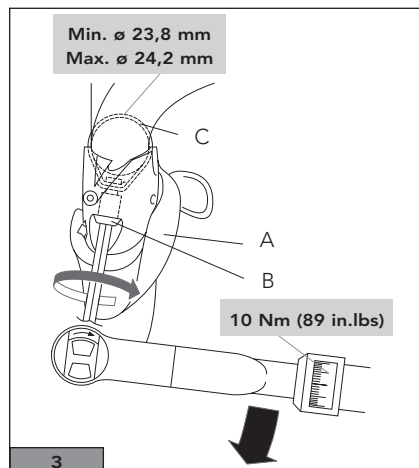
! WARNING!

If the controls are not fitted correctly they may cause accidents or physical injury.

- Ensure that the angle ϑ is sufficiently large to guarantee correct assembly of the sheath and the associated smoothness of the cable (Fig. 2).

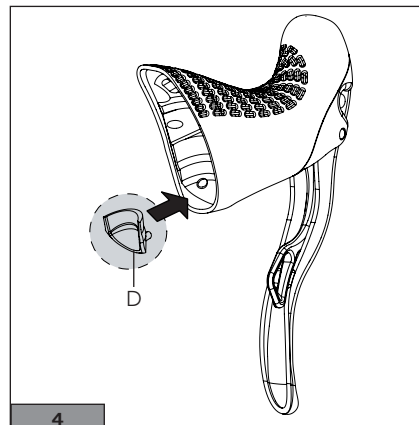


- Raise the support cover (A - Fig. 3) to expose the securing screw (B - Fig. 3).
- Loosen the screw (B - Fig. 3) located on the upper part of the body, so that the retaining band (C - Fig. 3) can be slid over the non-taped handlebar without removing the band from the Ergopower™ EPS control lever unit.



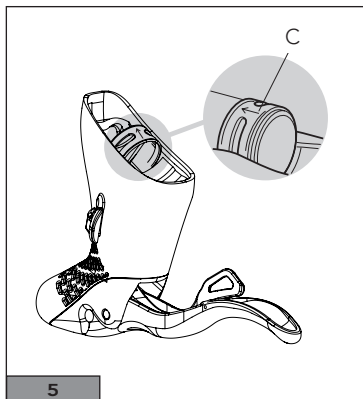
The ergonomics of the new Ergopower™ EPS controls can be adapted for cyclists with very large hands by applying an insert (D - Fig. 4).

- Fit the “big hands” insert into the rear bottom part of the control (Fig. 4) before installing it on the handlebar.

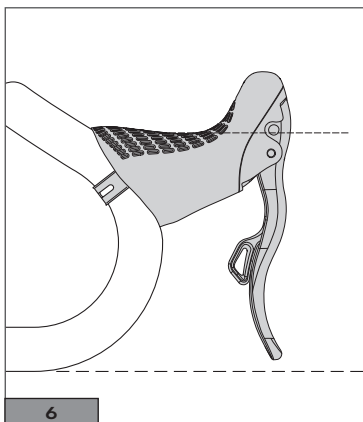


Make sure the arrow on the clamp is facing the upper part of the control (C - Fig. 5).

- If the hood has been removed completely, slightly dampen the inside of the hood with some alcohol to make it easier to install it on the control.

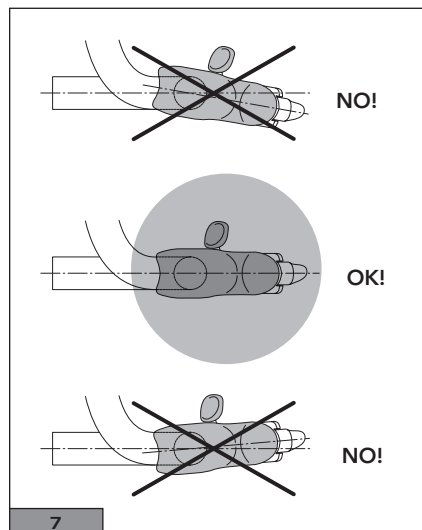


- Place the Ergopower EPS control in the curved section of the handlebar and try to create a straight line where the curved part of the handlebar allows to do so (Fig. 6).



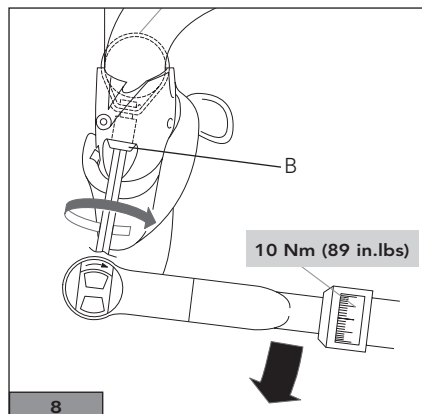
- The control must be oriented correctly to avoid reducing the aerodynamics of the bicycle (Fig. 7)

- Fix the control on the handlebar by tightening screw (B - Fig. 8) to **10 Nm - 89 in.lbs** with a torque wrench.



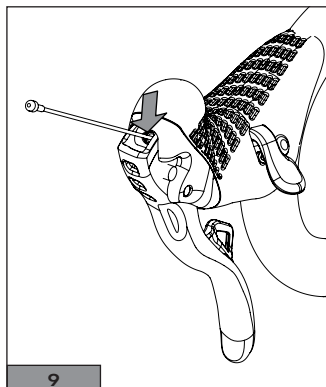
WARNING!

If your handlebar is made of carbon fiber, contact the handlebar manufacturer to insure that the frame will not be damaged by this 10 Nm (89 in.lbs) tightening torque, or to determine what actions need to be taken to protect the handlebar from damage. Even slight damage to a carbon fiber handlebar can result in an unexpected failure, resulting in an accident, personal injury or death.



1.1 - REAR BRAKE CABLE AND CASING

- Insert the brake cable (1.600 mm long - $\varnothing$ 1.6 mm) in the ball bushing on the brake lever of the EPS control, making sure that the cable stop head fits into its seat (Fig. 9).
- Depending on your frame, it may be necessary to cut the rear brake casing (1.250 mm long - $\varnothing$ 4.9 mm) and install a casing end ($\varnothing$ 6 mm, not supplied with the package).
- Fit the casing (without the casing end) in the brake casing retainer and secure the cable to the brake (refer to the brake user manual).



1.2 - FRONT BRAKE CABLE AND CASING

- Insert the brake cable (800 mm long - $\varnothing$ 1.6 mm) in the ball bushing on the brake lever of the Ergopower EPS control, making sure that the cable stop head fits into its seat (Fig. 9).
- Fit the casing (580 mm long - $\varnothing$ 4.9 mm) in the brake casing retainer (without the casing end) and secure the cable to the brake (refer to the brake user manual).

WARNING!

After installation, make sure the wires and brake cables do not interfere with the headset or with any other part of the bicycle. Interference may affect your ability to turn or control the bicycle and may cause accidents, personal injury or death.

WARNING!

THE ERGOPOWER EPS CONTROLS MUST BE MOUNTED AND CONNECTED ONLY AND EXCLUSIVELY BY ONE OF CAMPAGNOLO'S SERVICE CENTERS, A CAMPAGNOLO PRO-SHOP OR A MECHANIC SPECIALISED IN MOUNTING EPS GROUPSETS.

PLEASE REMEMBER THAT TAMPERING OR INCORRECT OR INCOMPLETE INSTALLATION OF EVEN JUST ONE COMPONENT OF THE EPS GROUPSET AUTOMATICALLY RESULTS IN THE INVALIDATION OF ANY WARRANTY.

NOTE FOR SPECIALISED MECHANICS!

Please remember that all assembly, disassembly, adjustment and maintenance procedures for the EPS drivetrain are described in the EPS technical manual, which is available in PDF format on our internet site www.campagnolo.com.

1.3 - TAPING THE HANDLEBAR

- Raise the hood.
- Tape the handlebar.

WARNING!

A malfunction of the Ergopower EPS control may cause accidents, personal injury or death.

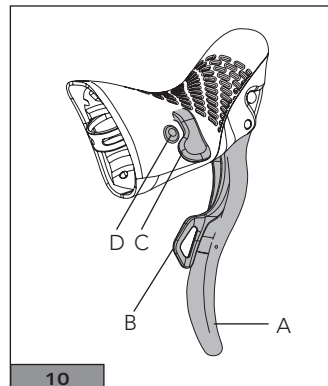
- Place the hood back into its position.

WARNING!

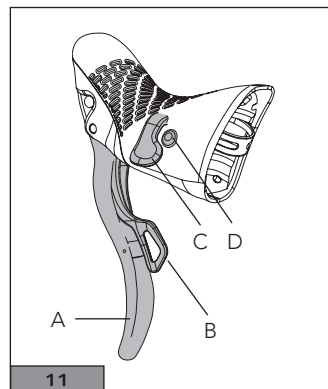
Before using your Ergopower EPS control on the road, use it in a quiet area with no traffic to familiarize yourself with its operation. No knowing how it is operated may cause accidents, personal injury or death.

2. OPERATION

- The lever (A - Fig. 10) controls the operation of the brake.
- The left control lever (B - Fig. 10) operates the derailleur by moving up the chain on the upper chainring.
- The left control lever (C - Fig. 10) operates the derailleur by moving down the chain on the lower chainring.
- The derailleur automatically centres the fork in the best position depending on the position of the chain on the chainrings and pinions.



- The right control lever (B - Fig. 11) operates the rear derailleur by moving up the chain on the upper pinion.
- The right control lever (C - Fig. 11) operates the rear derailleur by moving down the chain on the lower pinion.
- By pressing and holding the right control lever (B - Fig. 11) you enable multiple shifting upwards.
- By pressing and holding the right control lever (C - Fig. 11) you enable multiple shifting downwards.



- By briefly pressing one of the two MODE buttons (Fig. 10/11) it is possible to view the battery charge level on the LED of the interface.

- Levers (B - Fig. 10/11) and (C - Fig. 10/11) can be operated with the hands in a high or low position on the handlebar.

Moreover, the EPS controls allow to shift gears also when braking.

2.1 - RIDING SETTING and ZERO SETTING

- Pressing the MODE button (D - Fig. 10/11) located on the control of the rear derailleur or derailleur for about 6 seconds allows to adjust the reference position of the rear derailleur and derailleur (refer to the directions contained in the instructions leaflet of the EPS rear derailleur and EPS derailleur).
- Pressing both MODE buttons together (D - Fig. 10/11) for about 6 seconds allows you to reset the reference position of the rear derailleur and derailleur to zero



WARNING!

Setting the rear derailleur and derailleur when the bicycle is in motion may result in dangerous situations and cause accidents. Therefore please be very careful if you decide to do it.

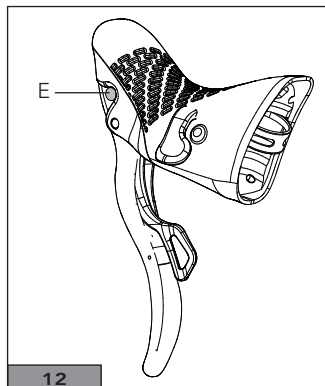


WARNING!

Resetting the rear derailleur and derailleur to zero is a particularly delicate operation and must be carried out when the bicycle is stationary and placed on a stand. This is why it should be conducted only and exclusively by a Campagnolo Service Center, a Campagnolo Pro-shop or a mechanic specialised in mounting EPS groupsets.

NOTE

The Ergopower EPS controls are fitted with a release pin positioned on the brake lever (E - Fig. 12) that allows to open up the brake directly from the control and conduct maintenance work on the wheels.

**3. REMOVAL**

When installing/removing or servicing components, switch off the EPS drive-train as indicated in the instruction sheet of the EPS Power Unit.

 WARNING!

THE ERGOPOWER EPS CONTROLS MUST BE DISASSEMBLED ONLY AND EXCLUSIVELY BY ONE OF CAMPAGNOLO'S SERVICE CENTERS, A CAMPAGNOLO PRO-SHOP OR A MECHANIC SPECIALISED IN MOUNTING EPS GROUPSETS.

4. MAINTENANCE

- The Ergopower EPS controls must be checked by a specialised mechanic every 3 years or at least every 30,000 Km. The brake cables and casings must be replaced every 2 years or at least every 20,000 Km.
- If used at a professional level, the EPS controls must be checked by a specialised mechanic and the brake cables and casings must be replaced every year or at least every 15,000 Km.
- **The time indications reported herein are purely indicative and may vary considerably in relation to the conditions of use and intensity of your activity (significant factors include for instance: professional training, rain, mud, salt on streets in winter, the weight of the cyclist, etc). Contact your mechanic to identify the best-suited schedules for your features.**
- **Do not immerse your Ergopower EPS controls in water.** Never wash your bicycle with pressurised water. Pressurised water, even from the nozzle of a garden hose, can pass the seals and enter inside your Campagnolo® components, causing irreparable damage. Wash your bicycle and Campagnolo® components by gently cleaning them with water and neutral soap. Dry carefully with a soft cloth: Never use abrasive or metallic sponges.

 WARNING!

Salty environments (such as roads in winter or in areas near the sea) may cause galvanic corrosion on most of the bicycle's components. To prevent damage, malfunction and accidents, carefully rinse, clean, dry and lubricate all the components subjected to this phenomenon.