WARNING!
THIS TECHNICAL MANUAL IS INTENDED FOR USE BY PROFESSIONAL MECHANICS. Anyone who is not professionally qualified to assemble bicycles should not attempt to install and operate on the components because of the risk of carrying out incorrect operations that could cause the components to malfunction with the consequent risk of accidents, physical injury or even death.
The actual product may differ from what is illustrated, as the specific purpose of these instructions is to explain the procedures for using the component.

1 - EPS V3 / V4 POWER UNIT (SOLUTION 2)

1.1 - POSITIONING INSIDE THE SEAT TUBE WITH ELASTIC SUPPORT IN THE SEAT BRACKET TUBE

Depending on which elastic support you have you can secure the V3 / V4 Power Unit to the following seat bracket tubes:

<table>
<thead>
<tr>
<th>ROUND TUBE</th>
<th>ELASTIC SUPPORT COLOUR</th>
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<tbody>
<tr>
<td>external diameter 27,2 mm</td>
<td>internal diameter 21,0 - 25,6 mm</td>
</tr>
<tr>
<td>external diameter 30,9 - 31,6 mm</td>
<td>internal diameter 24,0 – 28,5 mm</td>
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In case of an aerodynamic seat bracket tube (teardrop), select the most suitable elastic support version for the geometry and dimensions of the tube so that the support is stably inserted.
1) Ensure that the elastic support is compatible with the seat support tube you have.

2) Bringing the seat support tube alongside the column tube, in the minimum seat support tube insertion position ensure that the length of the power unit’s 3 cables is sufficient as shown. Ensure that the 3 male connectors of the rear derailleur cables (green), front derailleur (yellow) and interface (grey) can come out of the frame holes in order to be connected to the respective female connectors of the components being connected. If the cables are not long enough procure adequate extensions (see the Tools and accessories table).

**Note:** The red coloured connectors on the extensions are compatible with the grey connectors on the Power Unit and the Unit interface.
- For the rear derailleur (55 cm), front derailleur (55 cm) and interface (135 cm) cables the “Cable extension for EPS PU installation under seat” kit is available
- For the single interface cable (25 cm) the “Cable extension for EPS PU under BB installation” is available

**Note**
Remember that if the extensions are not used, once the power unit is installed you may not be able to remove the seat support tube from the column tube. The crankset may need to be disassembled and the power unit of various components may need to be disconnected.

3) Clean and lubricate the internal surface of the seat support tube in order to increase adherence between the tube itself and the elastic support (Fig. 2).

4) Engage the elastic support in the central area of the Power Unit (Fig. 3).
Important
Positioning the elastic support outside the central area of the Power Unit may damage the Power Unit's internal components or the shell due to excess vibration or impact with the seat post or frame. Excessively high (fig. 4) or excessively low (fig. 5) positions should therefore be avoided. Using Power Unit support systems not produced by Campagnolo is also prohibited.

5) Check whether there's the risk of contact with the frame or seat post by moving the Power Unit from side to side. If there is a risk of contact, recheck the position of the elastic insert to reduce the risk as far as possible and apply the adhesive neoprene spacer, contained in the elastic support pack, in the area of the Power Unit where contact may occur (Fig.6).

6) Engage the Power Unit and elastic support in the seat post, making sure that the support doesn't shift from the position in which it has been fitted (Fig.7).
7) The elastic support must be engaged in the seat post for the whole area where the anti-slip tabs are present. The tab must remain outside the seat post (Fig. 8).

Once the support has been inserted if the support is too easily extracted return to Step 1.

8) To hold the 3 cables of the power unit together and facilitate routing of the cables through frame, fit one of the two spiral wraps: near the front derailleur connectors and the battery charger connector, and fit the other near the rear derailleur connector (Fig. 9).

Bring the cables out from the bottom bracket shell. If it is not easy to get the cables out from the bottom bracket shell, use the grommet magnet kit, putting the long cable in from the bottom bracket and making it come out of the seat tube. Fit the short wire on the red connector, connect the two magnets and pull the long cable, pulling the ends of the cables out from the bottom bracket.

- Remove the spiral wraps holding the cables together (Fig. 10).

9) Apply the warning label (Fig. 11) on the seat support pipe to reduce the risk of damage in the event of disassembly of the seat support pipe (there are 2 labels provided in the package with different colour text designed for white and black/carbon seat support pipes).

- Continue installation by routing the cables for the rear derailleur, the front derailleur and the interface, following the instructions given in the chapter “Assembly: cable routing” chapter, available from our website: www.camagnolo.com.

- To determine where to place the Campagnolo sticker that comes with the power unit and which will indicate where to place the magnetic EPS shut-off strip, we recommend knowing the definitive seat height of the end customer. Once established, place the magnetic strip on the column tube, approximately near the upper end of the power unit, up to which the system will be switched off. Place the rectangular part of the sticker in correspondence with this position.