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<tr>
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</tr>
</tbody>
</table>

To maintain the validity of the warranty, the bicycle must be fully assembled by an authorized Argon 18 dealer. High-end components, particularly carbon parts, require extra care during assembly.

These components must be installed using a torque wrench to ensure each bolt is at the specified torque setting to prevent damage.

### AMP UP YOUR NEXT ADVENTURE

---

**MY SUBITO**

Date of Purchase: 

Retailer:  

Size:  

Serial Number:  

Hub Serial Number:  

---

ARGON 18
1. **Tools Needed & First Aid Kit**

1. Bearing Cup Press
2. Allen Key Set
3. Torx T25 Key
4. Carbon Paste & Grease
5. Utility Picks
6. Clean Rag
7. Derailler Hanger Alignment Gauge
8. Cables and Housing Cutter
9. Thread Locker Medium strength
10. Isopropyl Alcohol
11. Torque Wrench
12. Cassette Lockring

**Important:**
First Aid Kit: Essential parts to always have on hand
IN CASE OF EMERGENCY...THIS MIGHT SAVE YOUR RIDE!

1. Seat Post Clamp
2. Spare Rear Derailleur Hanger
2. Frameset Inspection

Before assembling your new Subito, please verify that you have all the following:

1. Frameset parts checklist (see p.7-9)
2. MAHLE ebikemotion® parts checklist (see p.10-13)
3. Inspect the frame for cosmetic defects (scratches, bumps, cracks, paint defects, etc.)
4. For reference, record serial number on p.3
5. All the necessary bolts (refer to frameset parts, p.7-9)
6. For optimal shifting performance, use a derailleur alignment gauge to make sure that the derailleur hanger is straight

**IMPORTANT:**
Some of the following parts are already assembled on the frame. When assembling the bike, you will need to adjust these parts according to their torque specifications and fastener conditions when necessary.

<table>
<thead>
<tr>
<th>NO.</th>
<th>A18 SKU#</th>
<th>FUNCTION</th>
<th>DESCRIPTION</th>
<th>SCREW TYPE</th>
<th>TORQUE</th>
<th>THREAD CONDITION</th>
<th>QTY</th>
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<td>80806*</td>
<td>Chain Catcher Screw</td>
<td>M5 x 25mm Screw</td>
<td>Socket Head</td>
<td>3Nm</td>
<td>Nylock</td>
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<tr>
<td>2</td>
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<td>FD Hanger Screw</td>
<td>M5 x 16mm Screw</td>
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<td>3Nm</td>
<td>Grease</td>
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<td>3</td>
<td>80249</td>
<td>Water Bottle Screw</td>
<td>M5 x 14mm Screw</td>
<td>Button Head</td>
<td>3Nm</td>
<td>Grease</td>
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<td>4</td>
<td>81250</td>
<td>Battery Screw</td>
<td>M5 x 10mm Screw</td>
<td>Button Head</td>
<td>5Nm</td>
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<td>81251</td>
<td>BB Cover Screw</td>
<td>M4 x 10mm Screw</td>
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<td>Headset Cap Screw</td>
<td>M4 x 12mm Screw</td>
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<td>0.5-1.0Nm</td>
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<td>7</td>
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<td>M3 x 10mm Screw</td>
<td>Flat Head</td>
<td>Hand Tight</td>
<td>Dry</td>
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<td>81252</td>
<td>Side Guide Screw</td>
<td>M3 x 10mm Screw</td>
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<td>Cable Clip Screw</td>
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<td>RD Hanger Screw</td>
<td>M3 x 8mm Screw</td>
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<td>81254</td>
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<td>Rear Disc Screw</td>
<td>M5 x 8mm Torx Screw</td>
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<td>Front Thru Axle</td>
<td>M12 x 1.5 Axle</td>
<td>-</td>
<td>12Nm</td>
<td>Grease</td>
<td>1</td>
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<tr>
<td>16</td>
<td>81228</td>
<td>Motor Lock Nut</td>
<td>M12 x 1.5 Nut</td>
<td>Rear Wheel Nut</td>
<td>35Nm</td>
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<td>17</td>
<td>81227</td>
<td>Magnet Lock Nut</td>
<td>-</td>
<td>Casette Lockring</td>
<td>40Nm</td>
<td>Grease</td>
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</tbody>
</table>

* Included
3. TROUBLESHOOTING / TIPS / SPECIFICATIONS

Brakes
Use only flat mount disc brakes. The frame is compatible with 160/180mm disc rotors. The rear caliper installation does not require an adapter for 160mm discs. Refer to 140mm disc rotor brake manufacturer’s instructions. Rear mount thickness: 30mm.

The fork is compatible with 140/160mm disc rotors. An adapter might be required for front caliper installation. Consult brake manufacturer’s instructions.

Tire Clearance

700c  The largest tires that can be installed must be no wider than 40mm for the front and rear wheels. If fenders are installed, the tires must be no wider than 35mm.

650c  The largest tires that can be installed must be no wider than 45mm for the front and rear wheels. If fenders are installed, the tires must be no wider than 40mm.

Seat Post
Ø 27.2mm
The saddle clamp is compatible with saddle rail up to 9 x 7mm.

Seat Post Collar
Ø 31.8mm

Bottom Bracket
BB86 (Press-fit)

Headset
Argon18 exclusive, FSA No 30 + 3D Press-fit
(Bearing 1 1/8”, 36° x 45° top and 1 1/2", 36° x 45° Bottom + FSA TH-881-1 Compressor included)

IMPORTANT:
No more than 30mm of spacers can be placed between the stem and the top cap of the 3D system. The use of more than 5mm of spacers on top of the stem could affect the efficiency of the compressor. These practices will automatically void any warranty claim against the manufacturer.

IMPORTANT:
The Ebikemotion system is shipped to retailers in Demo mode. When the bike is sold, it must be taken out of Demo mode. Please see related documentation on our B2B portal. Demo mode will allow for a maximum of 50km of riding, after which the motor will stop working.
4.1 FRAMESET SKUS AND DESCRIPTIONS

81236
FK.SUBR.M-XL.314A
FK.SUBR.XXS-S.314A
FK.SUBG.M-XL.314B
FK.SUBG.XXS-S.314B

38446
80811

81252

80801

81255

81235 &
81253 (screws)

80806

81234

81256

80804

81054

81045

SP.KRYS.273B

81250

81254

81242

81240

81258

81260

80826

81239 &
81252 (screw)

81251 (screws)

81241 &
81251 (screws)

81247

80264

80551

80985

81243

80988

81248 (screws)

81245

81246

81052
## 4.2 Frame Set SKUs and Descriptions

<table>
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<td>Subito Frame</td>
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<td>Subito Fork (XSS/XS/S)</td>
<td>FK.SUBR.XXS-S.314A</td>
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</tr>
<tr>
<td></td>
<td>-OR-</td>
<td>FK.SUBG.XXS-S.314B</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subito Fork (M/L/XL)</td>
<td>FK.SUBR.M-XL.314A</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>FK.SUBG.M-XL.314B</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Subito Seatpost (Same as Krypton CS)</td>
<td>SP.KRYCS.273B</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Seatpost Collar 31.8mm</td>
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<td>5</td>
<td>Rear Derailleur Hanger</td>
<td>81235</td>
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<td>FD Hanger Removable</td>
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<td>7</td>
<td>CS Wire Clip</td>
<td>81239</td>
<td>1</td>
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<td>FD Plug</td>
<td>81240</td>
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<td>BB Opening Cover</td>
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<td>FD Cable Stopper</td>
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<td>11</td>
<td>Button Cap Clip</td>
<td>81243</td>
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<td>12</td>
<td>HT Side Guide</td>
<td>81244</td>
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<tr>
<td>13</td>
<td>Side Grommet 2X</td>
<td>81245</td>
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<td>Side Grommet 1X</td>
<td>81246</td>
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<td>15</td>
<td>Side Grommet Di2</td>
<td>81247</td>
<td>1</td>
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<tr>
<td>16</td>
<td>Chain Catcher (Incl. Small/Large, Washer and Screw)</td>
<td>80806</td>
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</tr>
<tr>
<td>17</td>
<td>Plastic Plug M5</td>
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<td>18</td>
<td>Long Grommet Mechanical</td>
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<td>Long Plug Grommet</td>
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<td>Rear Brake Oblong Cable Guide</td>
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<td>22</td>
<td>Oblong Plug</td>
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<td>23</td>
<td>Foam Liner</td>
<td>80811</td>
<td>3</td>
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<td>24</td>
<td>Headset No.30 + 3D Assembly, with Compressor Th-881-1, Headset Assembly</td>
<td>80771</td>
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<td>25</td>
<td>A18 Front Thru Axle M12 x 1.5 x 119</td>
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<td>26</td>
<td>A18 Thru Axle Lever</td>
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<td>27</td>
<td>Fender Bracket</td>
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<td>28</td>
<td>Battery Holder</td>
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### 4.3 FRAMESET SKUS AND DESCRIPTIONS

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<td>32</td>
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<td>33</td>
<td>Headset Cap Screw</td>
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<td>1</td>
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<td>34</td>
<td>Charger Connector Screw, Side Guide Screw and Cable Clip Screw</td>
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<td>4</td>
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<td>35</td>
<td>RD Hanger Screw</td>
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<td>37</td>
<td>Rear Disc Screw</td>
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<td>Subito Headset Cap 15mm</td>
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<td>Subito Headset Cap 30mm</td>
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<td>41</td>
<td>Subito Road Top Tube Button Cap</td>
<td>81236</td>
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<td>42</td>
<td>Dirt Guard Kit, Two Parts</td>
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<td>43</td>
<td>CS Protector (Same as Dark Matter, Refer to Subito Installation Instructions)</td>
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<td>44</td>
<td>Chainsuck Guard</td>
<td>81234</td>
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5.1. MAHLE EBIKEMOTION SKUS AND DESCRIPTIONS – NORTH AMERICA

North American Version

81184 (314A) 700C
81192 (314B) 650B

81183 (314A) 700C
81185 (314B) 650B

Available Separately

*N81223*

N/A

North American Version

81217

81227

81218

81229

81225

81228

81230

81226

81232

81231

81219

81223

81220

81184 (314A) 700C
81192 (314B) 650B

81183 (314A) 700C
81185 (314B) 650B
## 5.2. MAHLE EBIKEMOTION SKUs and Descriptions – North America

<table>
<thead>
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<td><strong>PARTS INCLUDED IN THE FRAMESET</strong></td>
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<td>Rear Wheel Road – North America (for 314A)</td>
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<td>2</td>
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<tr>
<td>1</td>
<td>Rear Wheel Road – North America (for 314A)</td>
<td>81183</td>
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<td>2</td>
<td>Rear Wheel Gravel – North America (for 314B)</td>
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<td>KIT X35 – C – One Flat – North America</td>
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<td>X35 B1-C Battery – 6.9A</td>
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<td>Drive Unit-M1-C – North America (*Already Included in the Rear Wheel)</td>
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<td>3.3</td>
<td>Torque Washer Nut</td>
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<td>Motor Lock Nut</td>
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<td>Shield M1</td>
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<td>Freewheel Nut</td>
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<td>One Remote</td>
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<td>Charging Point – ROUND CONN.</td>
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<td>Charger-C (Without Wire)</td>
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<td>Charger Wire for North America</td>
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<td><strong>OPTIONAL PARTS THAT CAN BE ORDERED SEPARATELY</strong></td>
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<td>External Battery SP1 + Holder</td>
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<td>PCAN USB Adaptor</td>
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<td>Diagnosis Wire</td>
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6.1. MAHLE EBIKE MOTION SKUS AND DESCRIPTIONS – EU

**European Version**
- 81187 (314A) 700C
- 81188 (314B) 650B

**Available Separately**
- *81223*
- N/A

**European Version**
- 81227
- 81218
- 81229

- 81216
- 81224
- 81228
- 81230

- 81226
- 81232

- 81219
- 81221

- 81222
- 81220
6.2. MAHLE EBIKEMOTION PARTS AND DESCRIPTIONS – EU

<table>
<thead>
<tr>
<th>NO.</th>
<th>NAME</th>
<th>A18 SKU#</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>PARTS INCLUDED IN THE FRAMESET</strong></td>
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<tr>
<td>1</td>
<td>Rear Wheel Road – EU (for 314A) -OR- Rear Wheel Gravel – EU (for 314B)</td>
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<td>2</td>
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<td>3</td>
<td>KIT X35 – C – One Flat – EU</td>
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<td>3.1</td>
<td>X35 B1-C Battery - 6.9A</td>
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<td>Drive unit-M1-C – EU (*Already Included in the Rear Wheel)</td>
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<tr>
<td>3.3</td>
<td>Torque Washer Nut</td>
<td>81229</td>
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<tr>
<td>3.4</td>
<td>Motor Lock Nut</td>
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<tr>
<td>3.5</td>
<td>Shield M1</td>
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<td>3.6</td>
<td>Freewheel Nut</td>
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<tr>
<td>3.7</td>
<td>One Remote</td>
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<td>3.8</td>
<td>Charging Point – ROUND CONN.</td>
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<td>PAS Sensor B – ROUND CONN.</td>
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<td>Magnet Lock Nut</td>
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<td>Charger Wire for Europe</td>
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<td>Charger Wire for United Kingdom</td>
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<td><strong>OPTIONAL PARTS THAT CAN BE ORDERED SEPARATELY</strong></td>
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<td>External Battery SP1 + Holder</td>
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<td>-</td>
<td>Diagnosis Wire</td>
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</table>
7. SEAT POST COLLAR ASSEMBLY

1. Assemble the seat post collar (SKU: 80801) on the frame.
2. Apply grease on the thread of the M5 x 22mm bolt.
3. Apply carbon paste on the inside of the frame (seat tube).
4. Insert the seat post (SKU: SP.KRYCS.273B) to the desired height.
5. Tighten the M5 x 22mm bolt to 4Nm.

IMPORTANT: Refer to p.50 for seat post MIN and MAX insertion limits.
8. SEAT POST ASSEMBLY

The seat post is supplied fully assembled.

1. Unscrew both bolts slightly until the top clamp (a) and the cradle (b) are separated enough to insert the saddle rail. Do not unscrew the bolts completely.
2. Apply grease on the thread of each bolt.
3. Screw both bolts in order to adjust the angle of the saddle and clamp the rail.
4. Tighten the rear bolt to 9.5Nm.
9. REAR DERAILLEUR HANGER ADJUSTMENT

1. Assemble the rear derailleur hanger (SKU: 81235) on the frame with the two bolts (Flat head cap screw M3 x 8mm SKU: 81253).

2. Tighten bolts to 2Nm, do not apply grease on the thread.

3. Use a rear derailleur hanger alignment gauge to align the rear derailleur hanger.

For assistance, visit Park Tool’s website at:
https://www.parktool.com/blog/repair-help/rear-derailleur-hanger-alignment
1. **Apply grease on the thread of both M5 x 16mm bolts (SKU: 81248).**
2. **Assemble the front derailleur hanger (SKU: 81238) on the frame with the two bolts.**
3. **Tighten bolts to 3Nm.**

### Using a Single Chainring Set-Up:

1. **Install the FD plug (SKU: 81240) to cover the hole.**
### 11.1 MAHLE CONNECTOR IDENTIFICATION

**Down**
- Motor Side
- Battery Side
- PAS Sensor Side
- Battery Side
- Charging Port Side
- Battery Side

**Motor Connector**

**PAS Sensor Connector**

**Charging Port Connector**

**Up**
- Light Wire Side
- Battery Side
- iWok Side
- Battery Side

**Light Connector**

**iWok Button Connector**
11.2 BATTERY INSTALLATION

1. Insert the battery (SKU: 81218) through the hole under the bottom bracket. The three threaded mounting holes on the battery must face down. The side with the two connectors (iWok button connector and light connector) must be inserted first.

2. Guide the two connectors (iWok button connector and light connector) through the top of the head tube.

3. Install the 3 M5 x 10mm battery screws (SKU: 81250). Once the 3 screws are installed, tighten to 5Nm. Do not apply grease to the thread.

4. Guide the motor connector into the NDS chainstay and through the exit hole.

IMPORTANT
Use only M5 x 10mm screws. Using longer screws will damage the battery and void the warranty.
II.3 CHARGING PORT INSTALLATION

1. Install the charging port with the arrow pointing the rear of the bike, that way the cover will open facing the down tube.

2. Allow the charging port connector to exit through the BB hole.

3. Install and tighten both M3 x 10mm screw (SKU: 81252) only by hand, do not apply grease on the thread.

4. Connect the charging port connector to the matching connector on the battery. Align both arrows on each connector.
11.4 PAS SENSOR INSTALLATION

1. Insert the cable of the PAS sensor (SKU: 81232) from the hole in the interior of the drive side chainstay.

2. Exit the cable through the hole under the bottom bracket.

3. Push the PAS sensor in the bottom of the PAS cavity.

4. Hand tighten the M4 x 5mm setscrew (SKU: 81254) to secure the PAS sensor. Do not apply grease on the thread.

5. Insert the grommet (SKU: 80826) to cover the cable insertion hole.

6. Connect the PAS sensor cable to the matching connector on the battery, you will hear a clicking sound.
Secure the iWoc one remote to the top tube button cap.

1. Disassemble the iWoc one remote (SKU: 81231) from the one remote flat holder.
2. Place the button cap clip (SKU: 81243) in the top tube button cap (SKU: 81236).
3. Insert the iWoc one remote through the cover and button cap clip.
4. Install the one remote nut and turn clockwise approximately 3 turns.
5. Hold the iWoc one remote and turn the top tube button cap until the assembly is tight.
1. Guide the iWok one remote connector from the battery through the top tube hole.
2. Connect the iWok one remote connector to the matching connector on the battery.
3. Push the cable in the top tube in the seat tube direction.
4. Insert the top tube button cap with the button cap clip first, and align the hole with the rivet.
5. Push the light cable in the top tube.
12.1 CABLE AND HOUSING ROUTING – MECHANICAL SHIFTING

1. All cables must be routed above the battery.
2. The rear brake housing will be above the BB once installed.
3. Both derailleur housing will be under the BB once installed.
4. All housing can be covered by a foam liner (SKU: 80811).
12.2 Cable and Housing Routing – Mechanical Shifting

**Rear Derailleur:**

1. Insert housing from rear hole on the seat stay.
2. Guide the housing over the battery through the BB hole.
3. Exit the housing through the side guide hole.
4. Insert the mechanical grommet (SKU: 80985) on the seat stay hole.

**Rear Brake:**

1. Insert housing from rear hole on the chainstay.
2. Guide the housing over the battery through the BB hole.
3. Exit the housing through the side guide hole.
4. Insert the rear brake oblong cable guide (SKU: 80551) on the chainstay hole.
12.3 CABLE AND HOUSING ROUTING – MECHANICAL SHIFTING

**Front Derailleur with cable stop:**

1. Insert front derailleur housing from side guide hole.
2. Once the housing exits from the BB hole, install the dirt guard kit (SKU: 80988).
3. Install the FD cable stopper (SKU: 81242).
4. Install the cable in the housing.
5. Install the rubber dust seal (included in SKU: 80988).
6. Guide the housing in the hole behind the BB.
7. Install the plug grommet (SKU: 80804) on the Di2 seat tube hole.
Front derailleur with full housing:

1. Housing length will depend on the chainring.
2. Insert front derailleur housing from side guide hole.
3. Once the housing exits from the BB hole, guide the housing in the hole behind the BB.
4. Install the mechanical grommet (SKU: 80985).
5. Install the housing ferrule.
6. Install the plug grommet (SKU: 80804) on the Di2 seat tube hole.
12.5 CABLE AND HOUSING ROUTING – MECHANICAL SHIFTING

Parts Needed for Installation:
- Head Tube Side Guide (SKU: 81244)
- Side Grommet 2X (SKU: 81245)
- Flat Head Cap Screw M3 x 10mm (SKU: 81252)

1. Install the grommet in the side guide.
2. Route the cable through the assembly.
3. Screw the side guide into the frame, hand tighten the screw without grease.
1. All cables must be routed above the battery.
2. The rear brake housing will run above the BB once installed.
3. The rear derailleur housing will be under the BB once installed.
4. All housing can be covered by a foam liner (SKU: 80811).
13.2 Cable and Housing Routing – Mechanical 1x Shifting

**Rear Derailleur:**

1. Insert housing from rear hole on the seat stay.
2. Guide the housing over the battery through the BB hole.
3. Exit the housing through the side guide hole.
4. Insert the mechanical grommet (SKU: 80985) into the seat stay hole.

**Rear Brake:**

1. Insert housing from rear hole on the chainstay.
2. Guide the housing over the battery through the BB hole.
3. Exit the housing through the side guide hole.
4. Insert the rear brake oblong cable guide (SKU: 80551) into the chainstay hole.
1. Install the FD plug (SKU: 81240) over the two FD hanger rivets. Refer to page 15.

2. Install the plug grommet (SKU: 80804) in the Di2 seat tube hole and FD housing exit hole.

3. Install a M5 plug (SKU: 80264) over the chain catcher hole.
13.4 CABLE AND HOUSING ROUTING – MECHANICAL 1X SHIFTING

**Parts Needed for Installation:**

- Head Tube Side Guide (SKU: 81244)
- Side Grommet 1X (SKU: 81246)
- Flat Head Cap Screw M3 x 10mm (SKU: 81252)

1. Install the grommet in the side guide.
2. Route the cable through the assembly.
3. Screw the side guide on the frame, hand tighten the screw without grease.
1. All cables must be routed above the battery.
2. The rear brake housing will be above the BB once installed.
3. The rear derailleur housing will be under the BB once installed.
4. Brake housing can be covered by a foam liner (SKU: 80811).
14.2 CABLE AND HOUSING ROUTING – ELECTRONIC WIRE ROUTING

**Rear Derailleur:**

1. Insert the Di2 rear derailleur cable from rear hole on the seat stay until it exits from the BB hole.
2. Insert the Di2 junction A cable from side guide hole until it exits from the BB hole.
3. Insert Di2 battery cable from seat tube until it exits from the BB hole.
4. Plug the three cable to the junction box.
5. Insert the Di2 grommet (SKU: 80805) into the seat stay hole.

**Rear Brake:**

1. Insert housing from rear hole on the chainstay.
2. Guide the housing over the battery through the BB hole.
3. Exit the housing through the side guide hole.
4. Insert the rear brake oblong cable guide (SKU: 80551) into the chainstay hole.
1. Insert Di2 front derailleur cable from hole behind seat tube until it exits from the BB hole.

2. Plug the cable into the junction box.

3. Install the plug grommet (SKU: 80804) in the FD housing exit hole and the Di2 grommet (SKU: 80805) into the Di2 seat tube hole.
### 14.4 Cable and Housing Routing - Electronic Wire Routing

**Parts Needed for Installation:**

- Head Tube Side Guide (SKU: 81244)
- Side Grommet Di2 (SKU: 81247)
- Flat Head Cap Screw M3 x 10mm (SKU: 81252)

1. Install the grommet in the side guide.
2. Route the cable through the assembly. Start by inserting the Di2 cable, then insert the brake housing.
3. Screw the side guide onto the frame, hand tighten the screw without grease.
1. The rear brake housing must be routed above the battery and it will be above the BB once installed.

2. Brake housing can be covered by a foam liner (SKU: 80811).
15.2 CABLE AND HOUSING ROUTING - ELECTRONIC WIRELESS ROUTING

**Rear Derailleur:**

1. Install the plug grommet (SKU: 80804) in the seat stay hole.

**Rear Brake:**

1. Insert housing from rear hole on the chainstay.

2. Guide the housing over the battery through the BB hole.

3. Exit the housing through the side guide hole.

4. Insert the rear brake oblong cable guide (SKU: 80551) into the chainstay hole.
1. Install the plug grommet (SKU: 80804) on the Di2 seat tube hole and FD housing exit hole.
**Part needed for installation:**
(Note that the same grommet as Di2 is used for this configuration)

- Head tube side guide (SKU: 81244)
- Side grommet Di2 (SKU: 81247)
- Flat head cap screw M3 x 10mm (SKU: 81252)

1. Install the grommet in the side guide.
2. Route the cable through the assembly.
3. Screw the side guide onto the frame, hand tighten the screw without grease.
16. HEADSET INSTALLATION

**Assembly process:**

1. Install the headset plastic sleeve into the top of the head tube. (Apply grease on the sleeve)
2. Insert the required headset column, 0, 15 or 30mm, in the headset plastic sleeve. (Apply grease)
3. Insert bottom bearing (MR127) on the fork. (Apply grease)
4. Insert top bearing (MR122) in the headset column. (Apply grease)
5. Slide the fork into the head tube.
6. Install conical compressor ring.
7. Install stack compressor.
8. Apply grease on the headset seal to avoid any noise.
9. Install the corresponding headset cap to complete the assembly.
10. Fix the cap and the button holder with the M4 x 12 flat head cap screw (81807). Torque between 0.5 and 1Nm, do not apply grease.

**Headset Cap:**

When uninstalling the headset cap, you need to first loosen the headset cap, remove the headset cap screw and remove the fork from the frame. Then you need to pinch the rear section the headset cap and lift the rear section upward. This will release the headset cap from the frame.

*As with almost all Argon 18 bikes, the Subito provides you with the benefit of the 3D system. This system allows for 3 positions: 0mm, 15mm, or 30mm.*
17.1 REAR WHEEL INSTALLATION (DISC INSTALLATION)

1. Use the M5 x 8mm torx screw (SKU: 81255) supplied with the frameset. A longer screw will damage the motor.
2. Apply loctite before installing the bolt.
3. Once the bolts are hand tightened, turn the rotor clockwise to assure a good contact between the rotor and the bolt.
4. Tighten to 4Nm in a star pattern.
5. Install the cable shield (SKU: 81230).
6. Install the torque washer nut (SKU: 81229), aligning the shoulder with the cable.
7. Install the motor lock nut (SKU: 81228).

IMPORTANT
Use only M5 x 8mm screws. Using longer screws will lock the motor and void the warranty.
17.2 REAR WHEEL INSTALLATION (CASSETTE INSTALLATION)

1. You will need to replace the lockring supplied with the cassette and use the magnet locknut (SKU: 81227).
2. Place the cassette on the cassette body, aligning the spline.
3. Grease the threads of the magnet locknut.
4. Screw the magnet locknut in place.
5. Torque to 40Nm.

**IMPORTANT**

Use the supplied cassette Magnet lock nut (SKU: 81227). Without it (SKU: 81227), the ebikemotion system will not recognize the pedaling movement and will not provide any assistance.
17.3 REAR WHEEL INSTALLATION

1. Align the flat on the axle with the drop-out, the cable must exit downward.
2. Tighten NDS motor lock nut with an 8mm Allen key, torque to 35Nm.
3. Install the drive side torque washer nut (SKU: 81229), aligning the shoulder with the NDS washer.
4. Install the drive side motor lock nut (SKU: 81228) and tighten with an 8mm Allen key, torque to 35Nm.
5. Install the chainstay wire clip (SKU: 81239), using the M3 x 10mm flat head cap screw (SKU: 81252), hand tighten and do not apply grease.
6. Connect the motor cable to the battery, align both arrows on the connector.
7. Push the connector into the chainstay, you can pull from the BB hole to help.
8. Clip the cable in the cable clip contouring the brake bolts.

Adjust PAS sensor distance: Distance from PAS sensor to magnet must be between 2 and 5mm. Hand tighten the screw.
1. Install the bottom bracket using a bottom bracket press.
2. Push the cable into the opening. Make sure the motor cable has enough range of movement to be able to remove the wheel without removing the BB cap.
3. Install the BB cap [SKU: 81241], torque the M4 x 10mm button head cap screw [SKU: 81251] to 2Nm, do not apply grease.
18. CHAIN CATCHER

1. Select the appropriate chain catcher (SKU: 80806). The selection of the correct chain catcher is made according to the size of the small chainring.

<table>
<thead>
<tr>
<th>SMALL CHAIN RING SIZE</th>
<th>CHAIN CATCHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-32</td>
<td>Small</td>
</tr>
<tr>
<td>34 and more</td>
<td>Large</td>
</tr>
</tbody>
</table>

2. Insert the M5 x 25mm screw (a) in the chain catcher (b) and place the lock washer (c) between the frame and the piece. Secure the assembly pointing forward, loose enough to be able to adjust the parts.

3. Install the crank according to manufacturer’s specifications.

4. Place the tip of the chain catcher at approximately 2mm to the inner side of the small chain ring and torque at 3Nm.
1. According to the model of fender used, place the fender bracket (SKU: 80808) at the correct height on the seat stay.

2. Secure the fender bracket with the two supplied rubber bands making sure that the 2 plastic parts overlap.

3. When securing the fender and/or the rear rack on the drop-out, make sure that the screw doesn't interfere with the chain. The maximum insertion of the screw is 15mm to avoid protrusion and possible chain interference. Make sure there’s at least 10mm of screw insertion to support the load.

4. On the seat stay, the thread length is 8mm, make sure to have 8mm or less of thread insertion.

* If a fender is used with a rear rack: if possible, screw the fender onto the rear rack. If not, place the rear rack between the frame and the fender on the screw. All screws must be torqued to a maximum of 3Nm. Apply grease on the thread.
20. FRONT FENDER INSTALLATION

- On the upper screw, the thread length is 9mm. Make sure to have 9mm or less of thread insertion.
- On the lower screw, the thread insertion is 15mm. The thread starts 5mm above the surface of the fork. There must be between 10 and 15mm of visible thread once the fender is on the screw.
- All screws must be torqued to a maximum of 3Nm. Apply grease on the thread.
21. RANGE EXTENDER AND WATER BOTTLE POSITION

Here are some possible options of how to fit the battery range extender and waterbottle(s) onto the frame's water-bottle-cage mounts, depending on the frame size.
22. SEAT POST MIN AND MAX INSERTION

Refer to the table adjacent for details on saddle height and seatpost insertion limits:

i. The correct frame size must be determined according to the saddle height limits.
   A. Minimum Saddle Height.
   D. Maximum Saddle Height.

ii. Depending on the size of the frame and the desired saddle height, the seatpost might need to be cut.
   B. Maximal insertion depth in the frame's seat tube.
   C. Required seatpost cut length to be able to adjust the saddle height at the minimum position.
      » Adjust the seatpost cut length in accordance with your desired saddle height.
      » Required Minimum Seatpost Cut Length = C - ("Desired Saddle Height" – A)
      » Example: For a desired saddle height of 600mm on a XX-Small Subito frame.
      » The required minimum seatpost cut length is: 135 - (600 - 520) = 55mm.
   E. Minimal insertion depth in the frame's seat tube.

<table>
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<tr>
<th>SIZE</th>
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<th>ST MAX INSERT</th>
<th>SP CUT</th>
<th>SADDLE H MAX.</th>
<th>SP MIN INSERT</th>
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23. ADDITIONNAL DOCUMENTATION

**Distributor**
- Subito Distributor Procedure
- Ebike_Activation_Guide_v1.1_28022019

**Dealer**
- Dealer APP Manual (EN V1.0)

**End user**
- X35 – Care and Maintenance (EN–ES–DE–FR–IT–PT v1.1)
- User Manual – APP (EN.V1.0)
- Web User DashBoard Manual (EN V1.0)