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For the warranty to be valid, the bicycle must be fully assembled by an authorized Argon 18 dealer. High-end components, particularly carbon parts, need extra care when assembled. These components must be installed using a calibrated torque wrench to make sure every bolt is at the right torque setting to prevent damage.
Tools needed for assembly

1: Bearing Cup Press (Park Tool HHP-2)
2: Allen Key Set
3: Grease
4: Utility Pick Set (Park Tool Item #UP-SET)
5: Clean Rags
6: Derailleur Hanger Alignment Gauge (Park Tool Item #DAG-2 or #DAG-2.2)
7: Cables and Housing Cutter
8: Carbon Paste
9: Loctite #242
10: Torque Wrench

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

1: Spare rear derailleur hanger assembly
2: Seat post collar

(Direct mount option if utilized)
BEFORE ASSEMBLING YOUR NEW GALLIUM DISC, MAKE SURE THAT YOU HAVE ALL THE FOLLOWING:

1. Frameset parts (see p.5)
2. Inspect the frame for cosmetic aspect (scratches, bumps, cracks, paint defect, etc.)
3. For reference, check serial number and write it on p.2
4. All the necessary bolts (refer to Frameset Parts, p.5)
5. For optimal shifting performance, use a derailleur hanger alignment gauge to make sure that the derailleur hanger is straight (p.11)

IMPORTANT:
The following parts are assembled on the frame. When assembling the bike, you will need to adjust these parts according to their torque specifications.

<table>
<thead>
<tr>
<th>Parts installed on the frame</th>
<th>Description</th>
<th>Screw type</th>
<th>Torque Nm</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water bottle cage screws</td>
<td>Screw (4x)</td>
<td>5 mm</td>
<td>3 Nm</td>
<td>Grease</td>
</tr>
<tr>
<td>Chain stay cable guide</td>
<td>Screw (2x)</td>
<td>3 mm</td>
<td>1.5 Nm</td>
<td>Grease</td>
</tr>
<tr>
<td>Seat post collar</td>
<td>M5 Screw (1x)</td>
<td>Socket head</td>
<td>4 Nm</td>
<td>Grease</td>
</tr>
<tr>
<td>Seat post head</td>
<td>M5 Screws (2x)</td>
<td>Socket head</td>
<td>4.5 Nm</td>
<td>Grease</td>
</tr>
<tr>
<td>Rear derailleur hanger</td>
<td>M4 Screw (1x)</td>
<td>Flat head</td>
<td>2 Nm</td>
<td>Loctite</td>
</tr>
</tbody>
</table>
## GALLIUM DISC 280A: 4. Parts’ SKUs and Descriptions*

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Assembled on</th>
<th>A18 SKU#</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Parts already assembled</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Flat Head Socket Cap Screw - M3 x 0.5 x 10mm LG</td>
<td>Frame</td>
<td>80555</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>- Round Cap Screw - M5 x 16mm LG</td>
<td>Frame</td>
<td>38884</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>1 Rear Derailleur Hanger Assembly (incl. Hanger, Dropout, screw)</td>
<td>Frame</td>
<td>80802</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>5 Cable Stopper</td>
<td>Frame</td>
<td>38879</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>6 Bottom Bracket Cable Guide</td>
<td>Frame</td>
<td>80547</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>8 Removable Cable Stopper</td>
<td>Frame</td>
<td>80552</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Parts</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Gallium Disc Fork (XXS/XS/S), 254mm steerer</td>
<td>-</td>
<td>FK.GALL_D.XXS-S.280A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Gallium Disc Fork (M/L/XL), 302mm steerer</td>
<td>-</td>
<td>FK.GALL_D.M-XL.280A</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>- DT Swiss RWS Thru-axle FRONT 12 x 119mm</td>
<td>Fork</td>
<td>80812</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>- DT Swiss RWS Thru-axle REAR 12 x 161mm with removable handle</td>
<td>Frame</td>
<td>80813</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>2 Seat Post Collar</td>
<td>Frame</td>
<td>80546</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>3 Gallium Seat Post Assembly</td>
<td>-</td>
<td>SPGALL.279A</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>4 Oblong Cable Guide</td>
<td>Frame</td>
<td>80551</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>7 Round Plug</td>
<td>Frame</td>
<td>80554</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>9 Headset No.37 + 3D Assembly, with compressor TH-881-1</td>
<td>Fork</td>
<td>38661</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>10 Oblong Plug</td>
<td>Frame</td>
<td>80549</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>11 Oblong Grommet</td>
<td>Frame</td>
<td>80550</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>12 Bottom Bracket Cover, Electronic</td>
<td>Frame</td>
<td>80548</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>13 Round Grommet</td>
<td>Frame</td>
<td>80553</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>14 Internal Di2 Battery Support</td>
<td>Seat Post</td>
<td>38446</td>
<td>1 Set</td>
</tr>
<tr>
<td></td>
<td>15 Direct Mount Rear Derailleur Hanger</td>
<td>Frame</td>
<td>80832</td>
<td>1</td>
</tr>
</tbody>
</table>

*Except for the frame itself, which is not sold as a spare part, all parts can be ordered by referring to their respective SKU number.
Install the 3D headset (9) according to the pressfit assembly guide. You can choose from 3 different heights: 25mm, 15mm or 0mm.

**IMPORTANT:**

No more than 30mm of spacers can be placed between the stem and the top cap of the 3D system.

The steerer must be trimmed no more than 5mm above the stem. The use of more than 5mm of spacers above the stem could void the efficiency of the compressor.

These practices will automatically cancel any warranty claim against the manufacturer.
Assemble the seat post collar (2) with the seat post (3). Apply carbon paste inside the frame’s seat tube and on the seat post where it inserts inside the frame. Tighten the bolt at 4 Nm.
The seat post (3) is supplied fully assembled. It’s equipped with a spring-loaded head for easy installation of the saddle.

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. Screw both bolts in order to adjust the angle of the saddle and clamp the rail.

3. Tighten bolts at 4.5Nm.
The top clamp (a) and the cradle (b) can be flipped to change the saddle offset between 15 or 25mm.
1. Select the correct rear derailleur hanger depending on the type of derailleur that you have.
   - Direct mount (15)
   - Regular mount (1)

2. Make sure to align the rear derailleur hanger.

3. Use Derailleur Hanger Alignment Gauge like Park Tool Item #DAG-2.

For any assistance, visit Park Tool’s website:
www.parktool.com/product/derailleur-hanger-alignment-gauge-dag-2
Start installation at this end.

Insert derailleur cables with hoses using plastic Cable Stopper (5).

Insert hydraulic brake hose as shown, using the Oblong Cable Guide (4).

BR = Brake Hose
DC = Derailleur Cable (mech.)
DH = Derailleur Housing (mech.)
Exit derailleur cables through bottom bracket (BB) hole.
Insert in the appropriate slots in the BB guide (6).
Making sure the pipe is aligned with the top hole, insert BB guide in the square hole until it clicks.
Plug the FD Hange hole with the Round Plug (7).
Exit the hydraulic brake hose through the hole on the chain stay.

BR = Brake Hose
DC = Derailleur Cable (mech.)
DH = Derailleur Housing (mech.)
Start installation at this end.

Insert electronic wire and hydraulic brake hose as shown with the use of the Oblong Cable Guide (4), Oblong Plug (9) and Oblong Grommet (10).

BR = Brake Hose
EW = Electronic Wire
Use the square hole to connect all the wires to the junction box.

Insert the junction box in the hole.

Insert the BB cover (11) in the square hole until it clicks.

Use the Round Grommet (12) to secure the Di2 cable in the FD hole.

Plus the hole near the BB with the Round Plug (7).

EW = Electronic Wire
Exit the hydraulic brake hose through the hole on the chain stay.

BR = Brake Hose
EW = Electronic Wire
The Di2 battery is hidden in the seatpost; use the Di2 battery holder (13) to fix the battery correctly. Apply a slight amount of grease on both parts.
Start installation at this end.

Insert hydraulic brake hose shown with the use of the Oblong Cable Guide (4) and Oblong Plugs (9).
Use the square hole to connect all the wires to the junction box.

Insert the junction box in the hole.

Insert the BB cover (11) in the square hole until it clicks.

Use the Round Plugs (7) to plug holes near the FD hanger and BB.
Exit the hydraulic brake hose through the hole on the chain stay.

BR = Brake Hose
SPECIFICATIONS

**Brakes**
Use only flat mount hydraulic disc brakes. The frame and fork are compatible with either 140mm or 160mm disc rotors. Adapters might be required, consult brake manufacturer.

- Rear mount thickness: 30mm
- Rear flat mount fixing bolt length (for 140mm rotor): 43mm
- Rear converter fixing bolt length (for 160mm rotor): 36.8mm

**Axles**
Thru-axles 12mm, DT Swiss type, with removable handle. Axles are included with frameset.

**Tire Clearance**
Up to 28mm tire clearance.

**Seat Post**
27.2mm (Argon 18 Gallium Seat Post Assembly Included)

**Seat Post Clamp**
30.7mm

**Bottom Bracket**
BB86 (Press-fit)

**Headset**
FSA No 37 + 3D Press-fit (Bearing 1 1/8”, 36°x45° top and 1 1/2”, 36°x45° bottom + FSA TH-881-1 Compressor included)
GALLIUM DISC 280A: 6. Min/Max Seat Post Insertion

Refer to the tables below 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 SeatTube.
   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 XXS-Gallium disc Frame
       - The required minimum SeatPost Cut length is: 65 - (600-540) = 5mm

<table>
<thead>
<tr>
<th>Size</th>
<th>Saddle H Min</th>
<th>ST Max Insert</th>
<th>SP Cut</th>
<th>Saddle H Max</th>
<th>SP Min Insert</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX-Small</td>
<td>540</td>
<td>215</td>
<td>65</td>
<td>740</td>
<td>80</td>
</tr>
<tr>
<td>X-Small</td>
<td>575</td>
<td>245</td>
<td>35</td>
<td>775</td>
<td>80</td>
</tr>
<tr>
<td>Small</td>
<td>613</td>
<td>250</td>
<td>30</td>
<td>813</td>
<td>80</td>
</tr>
<tr>
<td>Medium</td>
<td>650</td>
<td>285</td>
<td>0</td>
<td>850</td>
<td>80</td>
</tr>
<tr>
<td>Large</td>
<td>685</td>
<td>320</td>
<td>0</td>
<td>885</td>
<td>80</td>
</tr>
<tr>
<td>X-Large</td>
<td>715</td>
<td>350</td>
<td>0</td>
<td>915</td>
<td>80</td>
</tr>
</tbody>
</table>