GALLIUM PRO DISC: ASSEMBLY GUIDE

Gallium Pro Disc Gloss shown above. The Gallium Pro Disc is also available in Black Matte.

Revision 1.0 - 2016-10-04 - Valid for MY2017 Gallium Pro Disc
Gallium Pro Disc Gloss shown above. The Gallium Pro Disc is also available in Black Matte.
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 (SKU: 80649)  
2: Seat clamp (SKU: 80546)
This chart indicates recommended values. Max and min drop values are calculated according to Canadian specification. Please consult one of our authorized dealers for further informations on your bike fit.
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**
Naild 12-3-9 quick release thru axles with integrated rear derailleur hanger. Axles are included with frameset.

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

**Seat Post**
27.2mm (Argon 18 ASP-6600 Carbon Seat Post 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)
Assemble the seat post collar with the seat post. Apply carbon paste on the seat post where it inserts inside the frame. Tighten the bolt at 4 Nm.
The seat post 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.
BEFORE ASSEMBLING YOUR NEW GALLIUM PRO DISC, MAKE SURE THAT YOU HAVE ALL THE FOLLOWING:

1. Frameset parts (see p.9)
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.9)
5. For optimal shifting performance, use a derailleur hanger alignment gauge to make sure that the derailleur hanger is straight (p.10)

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>1 Bottle cage</td>
<td>Screw (4)</td>
<td>5 mm</td>
<td>3 Nm</td>
<td>Grease</td>
</tr>
<tr>
<td>2 Chain stay cable guide</td>
<td>Screw (2)</td>
<td>3 mm</td>
<td>1.5 Nm</td>
<td>Grease</td>
</tr>
</tbody>
</table>
GALLIUM PRO DISC: 7. Frameset Parts

Included in SKU: 80403
SKU: 80554
SKU: 80546
SKU: 80555
SKU: 80547
SKU: 38884
SKU: 80548
SKU: 80551
SKU: 80550
SKU: 80549
SKU: 38661
SKU: 38446
SKU: FK.GALLPRO.D.246A
SKU: FK.GALLPRO.D.246B
SKU: SP.GALLPRO.D.246A
SKU: SP.GALLPRO.D.246B
SKU: 80404
SKU: 80553
SKU: 80552
SKU: 80551
SKU: 80550
SKU: 80549
SKU: 38661
1. Ensure that the derailleur hanger is aligned. 

2. Use Derailleur Hanger Alignment Gauge like Park Tool Item #DAG-2 or #DAG-2.2. 

💡 For any assistance, visit Park Tool’s website: parktool.com/product/derailleur-hanger-alignment-gauge-dag-2 

Also see instructions from Naild for rear assembly in Appendix (p.27).
Start installation at this end.

Insert derailleur cables with hoses using plastic caps.

Insert hydraulic brake hose as shown.

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.
Making sure the pipe is aligned with the top hole, insert BB guide in the square hole until it clicks.

DC = Derailleur Cable (mech.)
Exit the hydraulic brake hose through the hole on the chain stay.
Start installation at this end.

Insert electronic wire and hydraulic brake hose as shown.

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 in the square hole until it clicks.
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 to fix the battery correctly. Apply a slight amount of grease on both parts.
Start installation at this end.
Insert hydraulic brake hose as shown.

BR = Brake Hose
Use the square hole to connect all the wires to the junction box.
Insert the junction box in the hole.
Insert the BB cover in the square hole until it clicks.
Exit the hydraulic brake hose through the hole on the chain stay.
## GALLIUM PRO DISC: 10. Frameset Parts Checklist

<table>
<thead>
<tr>
<th>SKU</th>
<th>Description</th>
<th>Qty</th>
<th>Picture</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>FRAME</td>
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<td><img src="image1" alt="Frame" /></td>
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<tr>
<td>FK.GALLPRO_D.246A</td>
<td>FORK</td>
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<td><img src="image2" alt="Fork" /></td>
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<tr>
<td>FK.GALLPRO_D.246B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SP.GALLPRO_D.246A</td>
<td>SEAT POST ASSEMBLY</td>
<td>1</td>
<td><img src="image3" alt="Seat Post Assembly" /></td>
</tr>
<tr>
<td>SP.GALLPRO_D.246B</td>
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<table>
<thead>
<tr>
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<tr>
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<td>SEAT POST CLAMP SUBASSEMBLY</td>
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<tr>
<td>80642</td>
<td>SEAT POST CRADLE</td>
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<td>80643</td>
<td>SEAT POST TOP CLAMP</td>
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<tr>
<td>80644</td>
<td>SEAT POST BARREL</td>
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<tr>
<td>80646</td>
<td>SPHERICAL WASHER R03</td>
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<tr>
<td>80647</td>
<td>BOLTS - M5x35LG</td>
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<tr>
<td>80645</td>
<td>SPRING</td>
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<tr>
<td>80656</td>
<td>WASHER M5</td>
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<tr>
<td>SKU</td>
<td>Description</td>
<td>Qty</td>
<td>Picture</td>
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<tr>
<td>38661</td>
<td>HEADSET WITH 3D SYSTEM</td>
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<tr>
<td>38446</td>
<td>DI2 BATTERY HOLDER</td>
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<tr>
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<td>SEAT POST COLLAR Dia. 30.7</td>
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<td><img src="image2.png" alt="Image" /></td>
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<tr>
<td>80649</td>
<td>REAR DERAILLEUR HANGER</td>
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<thead>
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<th>Description</th>
<th>Qty</th>
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<tr>
<td>80547</td>
<td>BOTTOM BRACKET CABLE GUIDE</td>
<td>1</td>
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<tr>
<td>80548</td>
<td>BOTTOM BRACKET COVER</td>
<td>1</td>
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<tr>
<td>80549</td>
<td>OBLONG PLUG</td>
<td>2</td>
</tr>
<tr>
<td>80550</td>
<td>OBLONG GROMMET</td>
<td>1</td>
</tr>
<tr>
<td>80551</td>
<td>OBLONG CABLE GUIDE</td>
<td>2</td>
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<table>
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<tr>
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<th>Description</th>
<th>Qty</th>
<th>Picture</th>
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<td>CABLE STOPPER</td>
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<td>80553</td>
<td>ROUND GROMMET</td>
<td>2</td>
<td><img src="image3.png" alt="Image" /></td>
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<tr>
<td>80554</td>
<td>ROUND PLUG</td>
<td>2</td>
<td><img src="image4.png" alt="Image" /></td>
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<tr>
<td>Included in 80404</td>
<td>REAR AXLE ADJUSTER MECHANISM</td>
<td>1</td>
<td><img src="image5.png" alt="Image" /></td>
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<tr>
<th>SKU</th>
<th>Description</th>
<th>Qty</th>
<th>Picture</th>
</tr>
</thead>
<tbody>
<tr>
<td>80404</td>
<td>REAR AXLE</td>
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<tr>
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<td>FRONT AXLE ADJUSTER MECHANISM</td>
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<tr>
<td>80403</td>
<td>FRONT AXLE</td>
<td>1</td>
<td><img src="image3" alt="Front Axle" /></td>
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<tr>
<td>38884</td>
<td>ROUND CAP SCREW - M5 x 16mm LG</td>
<td>4</td>
<td><img src="image4" alt="Round Cap Screw" /></td>
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<tr>
<td>80555</td>
<td>FLAT HEAD SOCKET CAP SCREW M3 x 0.5 x 10 mm LG</td>
<td>2</td>
<td><img src="image5" alt="Flat Head Screw" /></td>
</tr>
</tbody>
</table>
**GALLIUM PRO DISC: 11. Appendix - Naild Axles Installation**

**Assembly Steps**

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Adjuster insert aligned into fork</td>
<td>Flats aligned shoulder flush</td>
</tr>
<tr>
<td>2</td>
<td>AAT_12 tool aligned into NDS of fork. AAT_12 engages bore of adjuster insert. AAT_12 engages flat of adjuster insert. Adjuster assembly nut threaded to adjuster insert and torqued to spec. Flats must remain aligned.</td>
<td>Semi-permanent thread lock suitable for AI-AI use. Torque spec = 12-15 N-m</td>
</tr>
<tr>
<td>3</td>
<td>Adjuster cover onto adjuster insert. Adjuster cover nut threaded to adjuster assembly nut</td>
<td>Adjuster cover flat on adjuster insert. Adjuster cover nut torque spec = 2-3 N-m. Adjuster cover free to rotate</td>
</tr>
</tbody>
</table>

**Notes**

- Ensure all parts and components are within spec/tolerance before assembly.
- Ensure all parts and components function properly after assembly.
- Follow quadrant code specifications for service and service intervals.
- Assembly and maintenance to be done by qualified and certified mechanic.
- Assembly specs subject to change. (REV) 2016.06.22
**Appendix - Naild Axles Installation**

**STEP #1:**
- **Hanger Pin Mated to Hanger**
- **Naild Standard** = P/N 0000315
- Direct = P/N 0000292
- **Hanger Flush to Frame**

**STEP #2:**
- **Adjuster Insert**
- **Adjuster Cover**

**STEP #3:**
- **AAT_12 Tool Aligned into MDS of Fork**
- **AAT_12 Engages Bore of Adjuster Insert**
- **Adjuster Assembly Nut Threaded to Adjuster Insert**
- **Torque** = 12-15 N-m

**STEP #4:**
- **Adjuster Cover onto Adjuster Insert**
- **Adjuster Cover Nut Threaded to Adjuster Assembly Nut**
- **Adjuster Cover Flat on Nut and Hex Faces Engaged**

Ensure all parts and components are within specification before assembly. Ensure all parts and components function properly after assembly. Follow quadrant code specifications for service and service intervals.

Assembly and maintenance to be done by qualified and certified mechanics.

Assembly specs subject to change. © REV2016.08.22

**Specifications:**
- **Hanger Pin Secure**
- **Hanger Flush to Frame**
- **Flats Aligned**
- **Pin Locked and Aligned Shoulder Flush**
- **Semipermanent Threadlock Suitable for All Use**
- **Torque Spec = 12-15 N-m**
- **Adjuster Cover Flat on Nut and Hex Faces Engaged**
- **Flush to Fork**
- **Torque to 2-3 N-m**
- **Cover Should Rotate Freely**

**Materials:**
- **12mm Adjuster Std Hanger**

**Notes:**
- Do not scale down or enlarge design and break sharp edges. Store in dry area for proper storage.