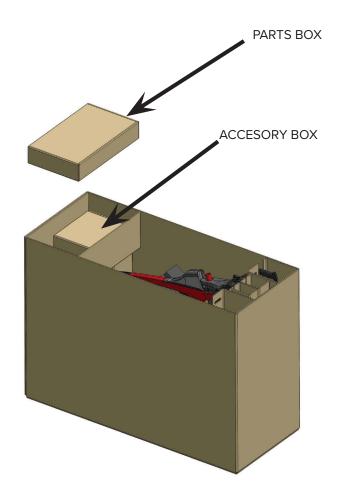


# **SECTION 1**

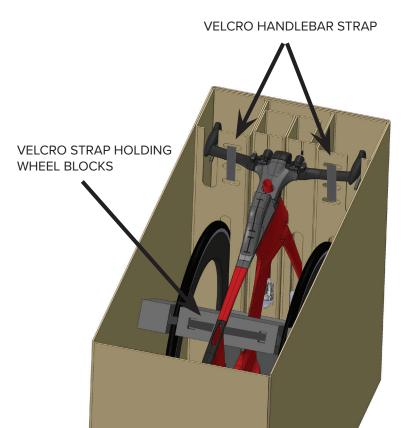
# UNPACKING INSTRUCTIONS

REMOVE PART BOX, ACCESSORY BOX AND SADDLE AND SEATPOST ASSEMBLY.

SET ACCESORIES AND SEAT ASSEMBLY ASIDE FOR FINAL ASSEMBLY.

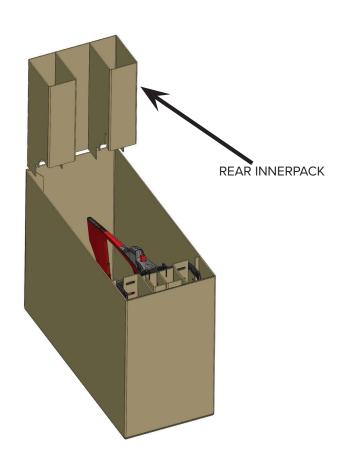


#### UNSTRAP WHEEL BLOCKS AND HANDLEBAR STRAPS.

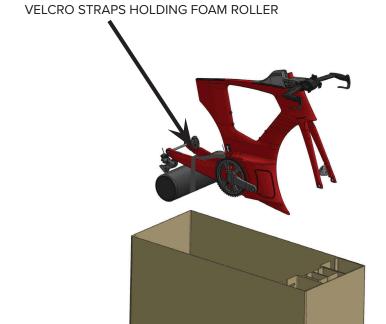


# 4

REMOVE REAR INNER PACK FROM BOX.
\*PAY CLOSE ATTENTION TO REAR DERAILLUER AND BRAKE CALIPER WHILE REMOVING.
REMOVE FRONT AND REAR WHEEL. SET ASIDE FOR FINAL ASSEMBLY



CAREFULLY REMOVE BIKE FROM MASTER CARTON.
PLEASE NOTE FOAM ROLLER IS STILL STRAPPED TO CHAINSTAYS.
THIS CAN BE REMOVED AT ANYTIME. STORE FOR LATER USE.
PLACE BIKE IN WORKSTAND FOR FINAL ASSEMBLY.



# **SECTION 2: USER GUIDE**

Handle Bar	13
Bolt-On Axle Skewers	14-15
Seat Post and Clamp	16-20
Pedals	21
Top Tube Storage	22-24
Stem Storage	25
User Guide Reference	26-27

#### SECTION 3: COMPONENT ASSEMBLY

30-33	Seat Post and Clamp
34	Steer Limiter
35	Headset
36	Fork
37	Stem / Spacers / Headset
37-39	Stem / Bar
40	Top Tube Cable Grommet
41-43	Top Tube Storage
44	Stem Storage
45	Frame Storage
46-47	Front Derailleur Configurations
48	Front Derailleurs
49-50	Rear Derailleur / Hanger
51	Disc Brake Calipers
52	Bottom Bracket
53	Crank
54	Water Bottle Bolts
55-56	Brake Cabling
57-59	Mechanical Cabling
60	eTAP Cabling
61-64	Di2 Cabling
65	Chain
66	Wheels
67-68	Component Assembly Reference

SYMBOL	EXPLANATION
8MM	NECESSARY HEX TOOL
€ 8 Nm	CLOCKWISE ROTATION AND TIGHTENING TORQUE OF SCREW
<b>√</b> 8 Nm	COUNTER CLOCKWISE ROTATION AND TIGHTENING TORQUE OF SCREW
8	NECESSARY BOM PART
	GREASE THE RED COLOURED SURFACES
	FIRST IN SEQUENCE OF WORK STEPS
	NEXT IN SEQUENCE OF WORK STEPS



# **SECTION 2**

# **USER GUIDE**



READ THROUGH THIS USER GUIDE CAREFULLY AND KEEP IT FOR FUTURE REFERENCE. IN IT YOU'LL FIND IMPORTANT INFORMATION ABOUT THE PARTS GROUP AND ASSEMBLY OF YOUR ANDEAN. BY FOLLOWING THE GUIDELINES AND SPECIFICATIONS IN THIS DOCUMENT, YOU'LL ENSURE THAT YOUR BIKE IS SET UP PROPERLY AND IS READY TO RIDE. WE HAVE TAKEN SPECIAL CARE TO INCLUDE ALL THE TECHNICAL INFORMATION YOU'LL NEED, ACCOMPANIED BY EASY-TO-FOLLOW INSTRUCTIONS AND DIAGRAMS.

THANKS, AND ENJOY THE RIDE.

**DIAMONDBACK** AND THE **ANDEAN** PRODUCT TEAM

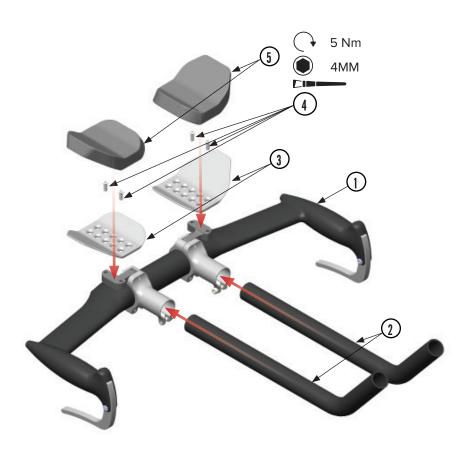


# **ASSEMBLY**

ADVICE

1. Install aerobar extensions, armpads, and risers.

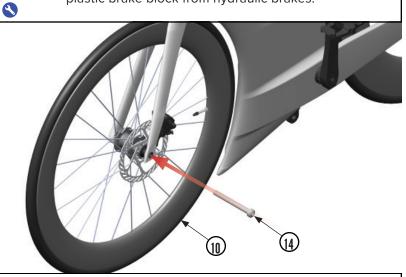




#### **ASSEMBLY**

ADVICE

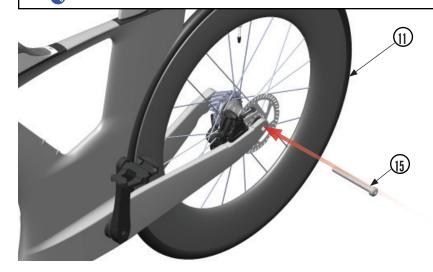
4a. Remove thru axle from fork by unthreading – remove plastic brake block from hydraulic brakes.

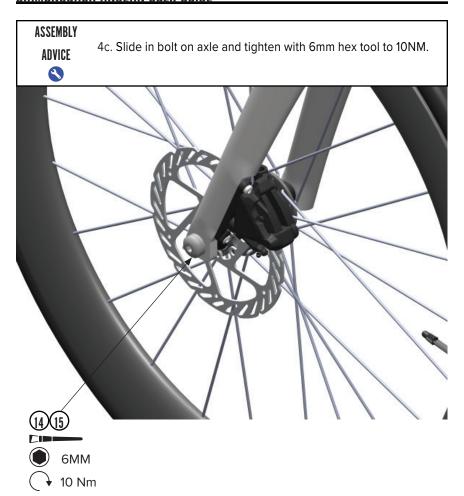


# **ASSEMBLY**

ADVICE

4b. Slide wheel into drop outs aligning disc between caliper pads.







For assembly videos, trouble shooting, and the bike assembly check list see www.diamondback.com/build-your-road-bike

**ASSEMBLY** 

ADVICE

5a. Install Seat Post Grommet onto Seat Post.

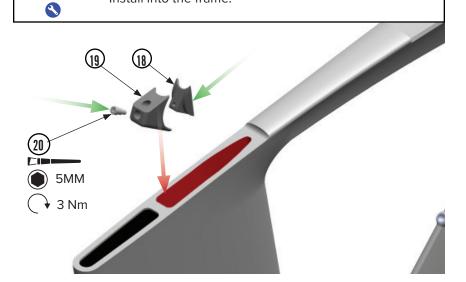




**ASSEMBLY** 

ADVICE

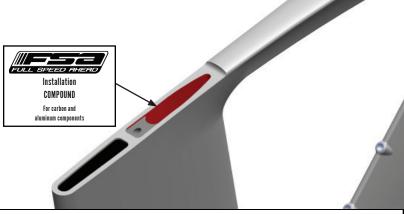
5b. Assemble Seat Post Binder with Shoulder Screw and Install into the frame.



**ASSEMBLY** 

ADVICE

5c. To increase friction between the seat post and seat tube, carbon assembly compound should be applied to the top 3-4 inches of the seat tube.



**ASSEMBLY** 

ADVICE

5d. Install Seat Post into the frame.





WARNING

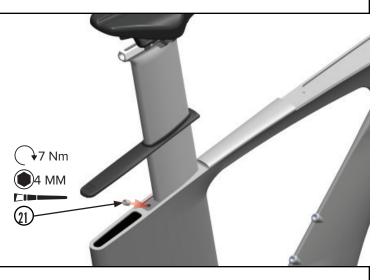


! Ensure that 65MM MINIMUM of the Seat Post is inside the frame!

# **ASSEMBLY**

ADVICE

5e. Adjust Seat Post to desired height and install Set Screw to hold position.

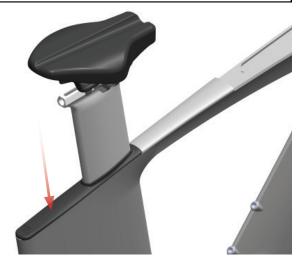


### **ASSEMBLY**

ADVICE

5f. Lower Seat Post Grommet onto Top Tube.





ASSEMBLY

ADVICE

5g. Adjust fore / aft position of saddle to desired position.





#### WARNING



Ensure the seat post, inner seat tube, and binder are clean. Grease or oil on these parts will reduce friction and may cause the seat post to slip, even when clamp is in closed position.

#### **ASSEMBLY**

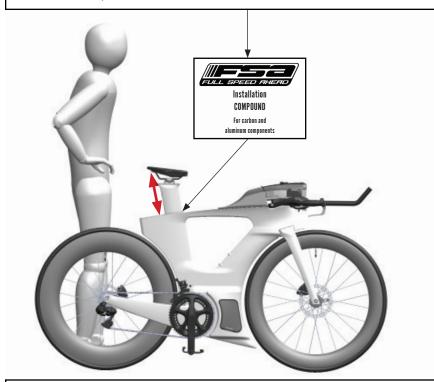
# ADVICE



6. Open the seat post binder to raise or lower saddle to desired position.

# NOTE

Carbon assembly compound should be applied to the inner seat tube to increase friction between the seat post and seat tube.



#### WARNING



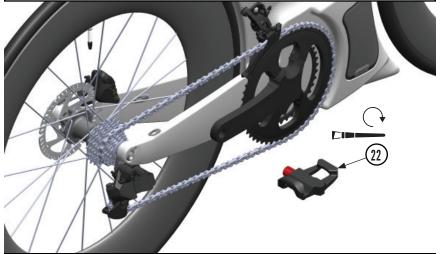
! Ensure that 65MM MINIMUM of the Seat Post is inside the frame!

# ASSEMBLY

ADVICE



7. Install drive side pedal onto crank arm by turning clockwise. Install non drive side pedal onto crank arm by turning counter clockwise. Tighten pedals snugly to 35Nm with a 15mm pedal wrench if pedals have a hex back



WARNING

! Ensure the pedals and crank arms are clean. It is recommended that you apply grease to reduce friction and prevent damage to these parts!

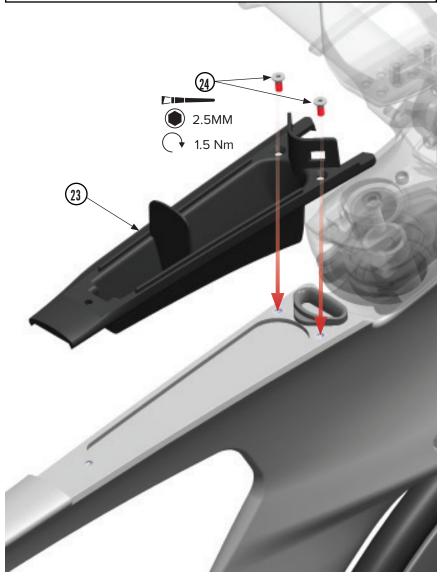


# ASSEMBLY

ADVICE

8a. Install Top Tube Storage tray in frame.



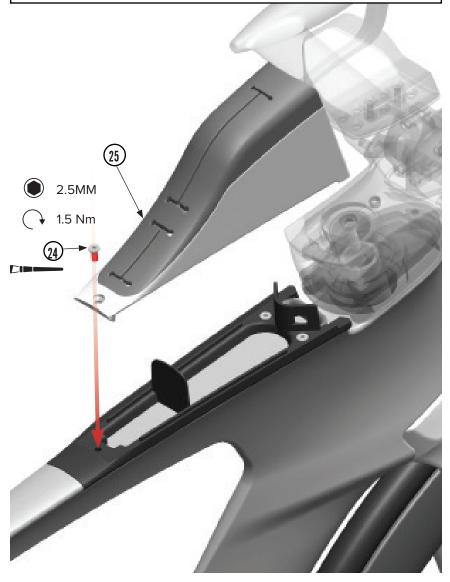


# **ASSEMBLY**

ADVICE

8b. Install Top Tube Storage cover.



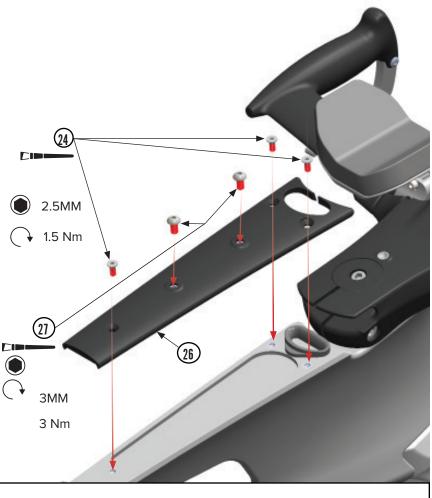


#### **ASSEMBLY**

ADVICE

9. Install Top Tube Storage cover plate.





NOTE

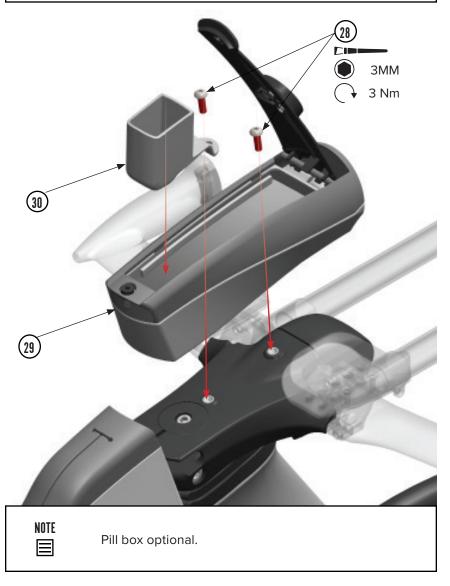
Only install cover plate if not using top tube storage.

# **ASSEMBLY**

ADVICE

10. Install Stem Storage.







# <u>DIAMONDBACK ANDEAN USER GUIDE PART REFERENCE</u>

ITEM NO.	PART NUMBER	QTY.
1	BAR	1
2	EXTENSIONS	2
3	ARM CUPS	2
4	ARM CUP BOLT M4X0.7X12 FHCS	4
5	ARM PADS	2
6	FACEPLATE	1
7	FACEPLATE BOLT M5X0.8X15 SHCS	4
8	NOSE CONE	1
9	NOSE CONE BOLT M4X0.7X8 FHCS	2
10	FRONT WHEEL	1
11	REAR WHEEL	1
12	FRONT THRU AXLE SKEWER	1
13	REAR THRU AXLE SKEWER	1
14	FRONT BOLT-ON AXLE SKEWER	1
15	REAR BOLT-ON AXLE SKEWER	1
16	SEAT POST	1
17	SEAT POST GROMMET	1
18	SEAT POST BINDER BOTTOM	1
19	SEAT POST BINDER TOP	1
20	SP BINDER SHOULDER SCREW M4X0.7X6 SHSC	1
21	SP BINDER SET SCREW M8X1.25X10 FHSS	1
22	PEDAL	2
23	TOP TUBE STORAGE TRAY	1
24	TOP TUBE STORAGE BOLT M4X0.7X10 FHCS	3
25	TOP TUBE STORAGE COVER	1
26	TOP TUBE STORAGE COVER PLATE	1
27	TOP TUBE WATER BOTTLE BOLT M5X0.8X10 BHCS	2
28	STEM STORAGE BOLT M5X0.8X16 BHCS	2
29	STEM STORAGE	1

# **SECTION 2**

# **COMPONENT ASSEMBLY**



# **ASSEMBLY**

ADVICE

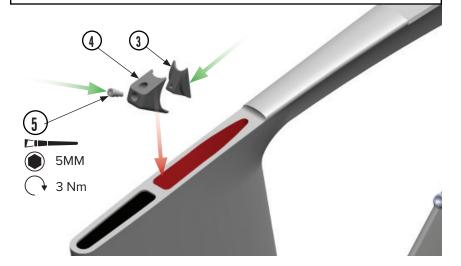
1a. Install Seat Post Grommet onto Seat Post.





#### **ASSEMBLY**

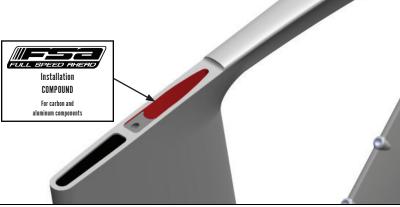
1b. Assemble Seat Post Binder with Set Screw and Install into the frame.



**ASSEMBLY** 

ADVICE

1c. To increase friction between the seat post and seat tube, carbon assembly compound should be applied to the top 3-4 inches of the seat tube.



**ASSEMBLY** 

ADVICE

1d. Install Seat Post into the frame.





WARNING

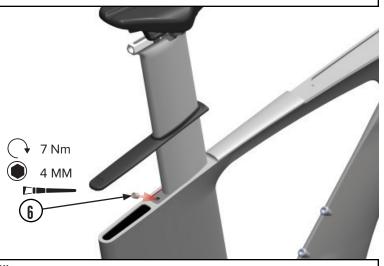


! Ensure that 65MM MINIMUM of the Seat Post is inside the frame!

# **ASSEMBLY**

ADVICE

1e. Adjust Seat Post to desired height and install Set Screw to hold position.

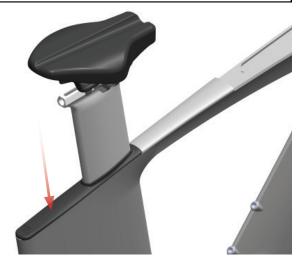


#### **ASSEMBLY**

ADVICE

1f. Lower Seat Post Grommet onto Top Tube.





ASSEMBLY

ADVICE

1g. Adjust fore / aft position of saddle to desired position.



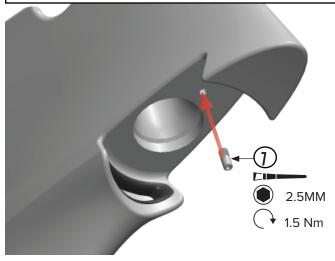


#### ASSEMBLY

ADVICE

2. Install Steer Limiter.



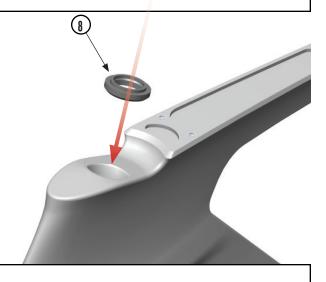


ASSEMBLY

ADVICE

3. Install Head Set.

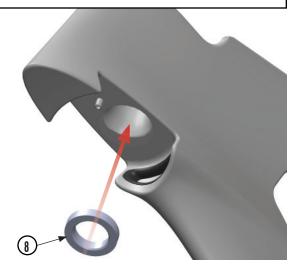




WARNING

A

 $! \ Please \ refer to head \ set manufacturer's \ assembly \ instructions!$ 

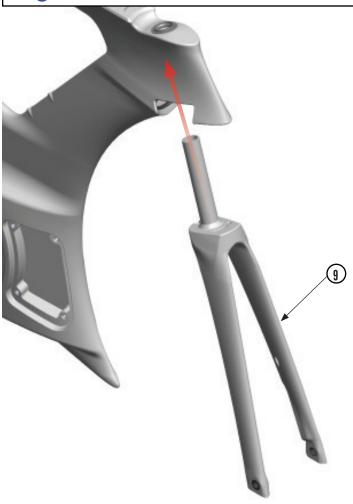


**ASSEMBLY** 

ADVICE

4. Install fork.





NOTE

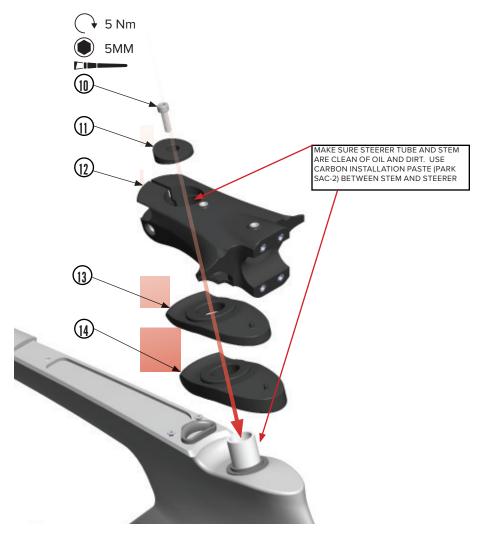
Reference front brake cable routing instructions on pg. 55 prior to fork installation.

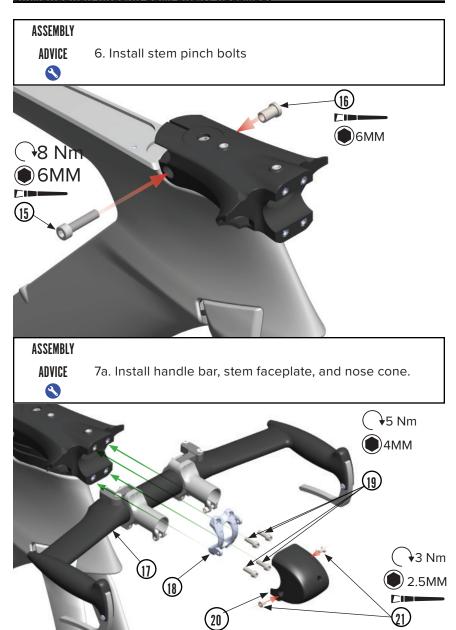
#### **ASSEMBLY**

ADVICE

5. Install stem, spacers and head set.





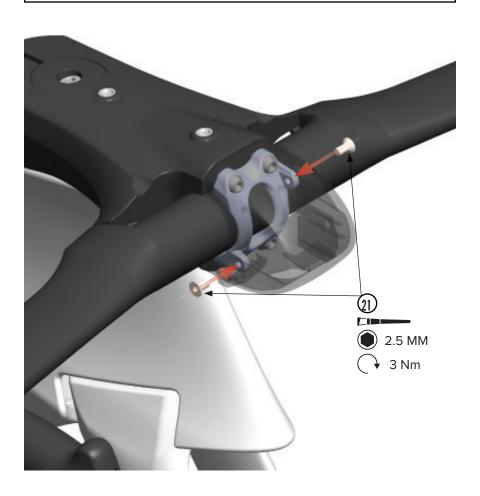


**ASSEMBLY** 

ADVICE

7b. Nose cone installation detail.





**ASSEMBLY** 

ADVICE

8a. Install Top Tube Cable Grommet.



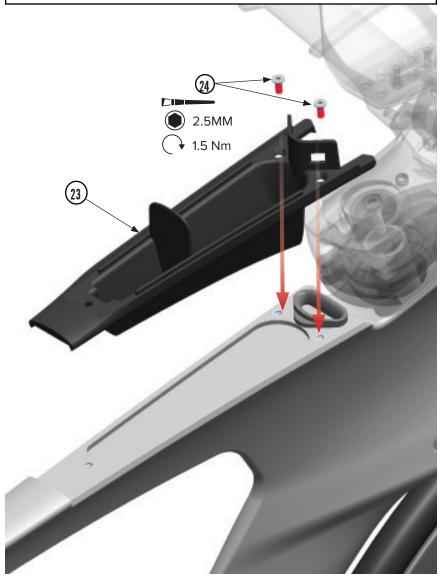


#### ASSEMBLY

ADVICE

8b. Install Top Tube Storage tray in frame.



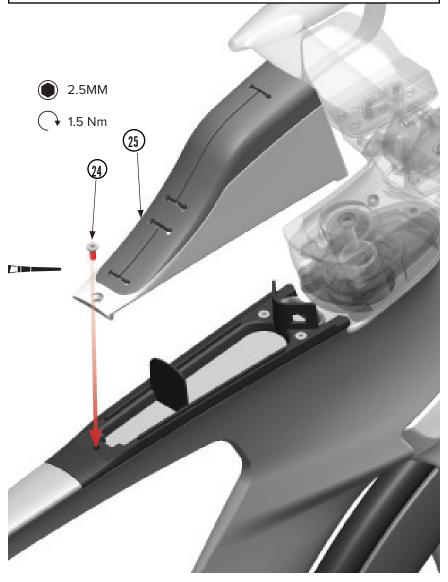


#### ASSEMBLY

ADVICE

8c. Install Top Tube Storage cover.



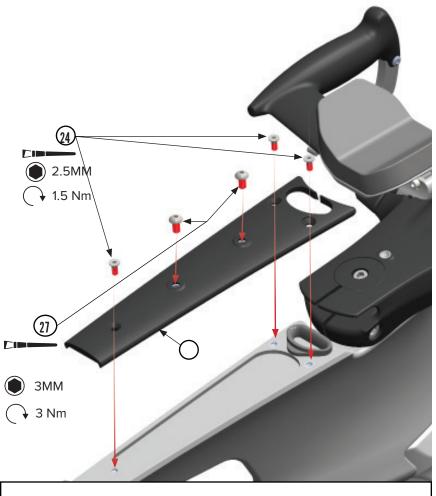


#### **ASSEMBLY**

ADVICE

8d. Install Top Tube Storage cover plate.





NOTE

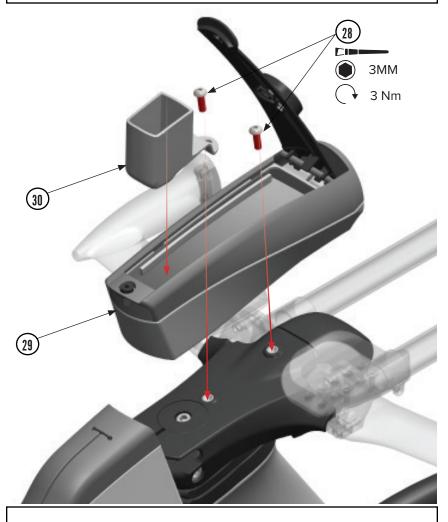
Only install cover plate if not using top tube storage.

#### **ASSEMBLY**

ADVICE

9. Install Stem Storage.





NOTE

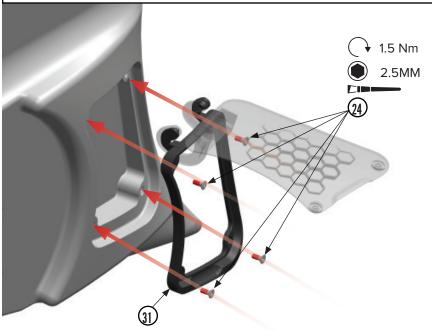
Pill box optional.

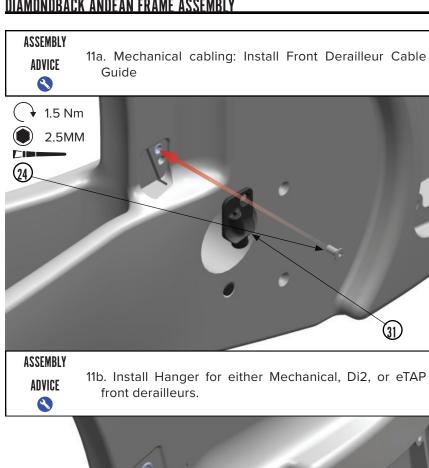
#### **ASSEMBLY**

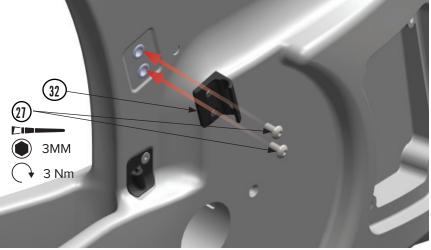
ADVICE

10. Install Frame Storage.





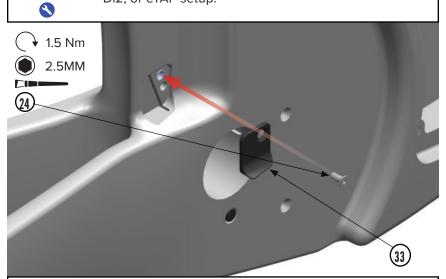






ADVICE

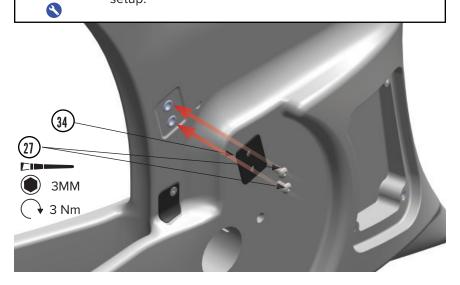
12a. Install front derailleur cable guide cover plate for 1X, Di2, or eTAP setup.



**ASSEMBLY** 

ADVICE

12b. Install Front Derailleur Hanger cover plate for 1X setup.

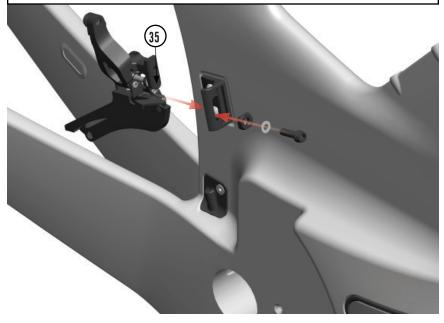


ASSEMBLY

ADVICE

13. Install Front Derailleur.





WARNING

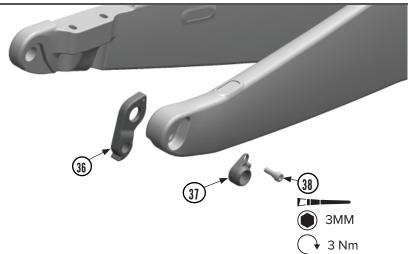


! Please refer to derailleur manufacturer's assembly instructions!

**ASSEMBLY** 

ADVICE 14. Install Thru Axle rear Derailleur Hanger.



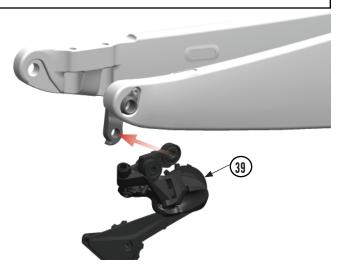


**ASSEMBLY** 

ADVICE

15. Install Rear Derailleur.



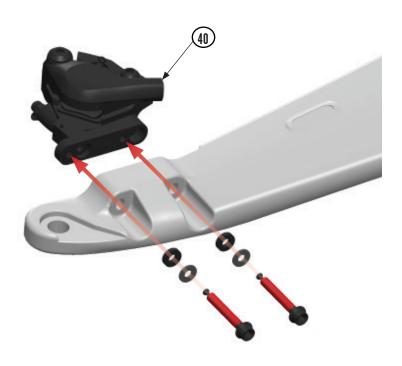


**ASSEMBLY** 

ADVICE

16. Install rear disc brake caliper





WARNING



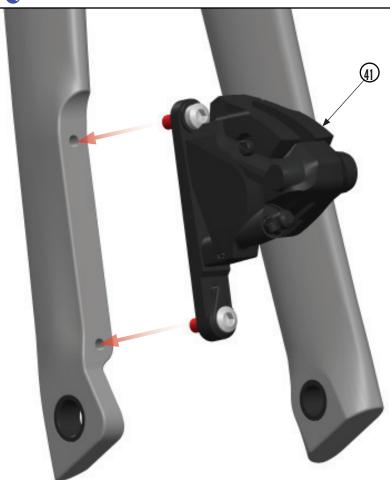
! Please refer to brake manufacturer's assembly instructions!

**ASSEMBLY** 

ADVICE

17. Install front disc brake caliper





WARNING

A

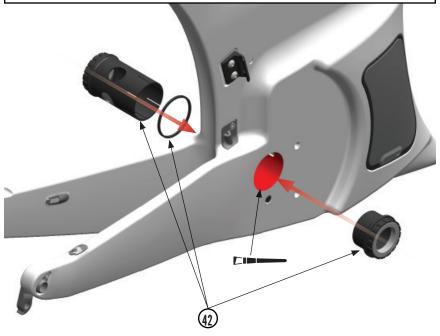
! Please refer to brake manufacturer's assembly instructions!

**ASSEMBLY** 

ADVICE

18. Install Bottom Bracket.





WARNING

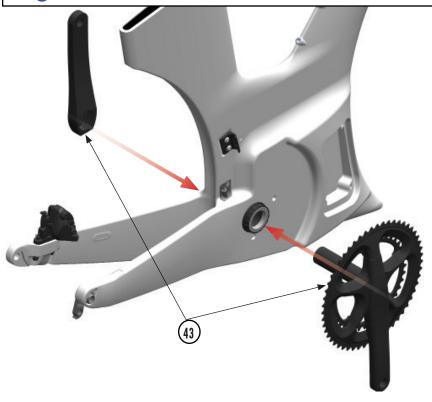
! Please refer to bottom bracket manufacturer's assembly instructions!

ASSEMBLY

ADVICE

19. Install Crank.

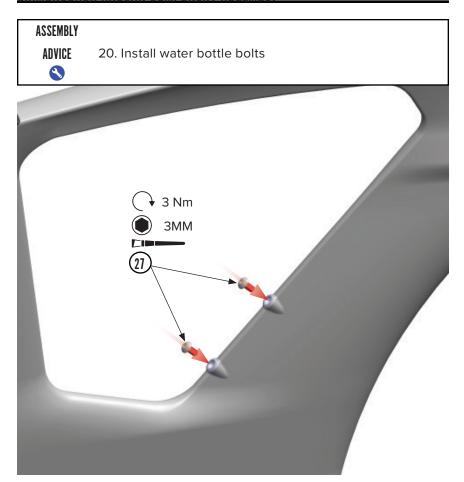




WARNING

A

! Please refer to crank manufacturer's assembly instructions!

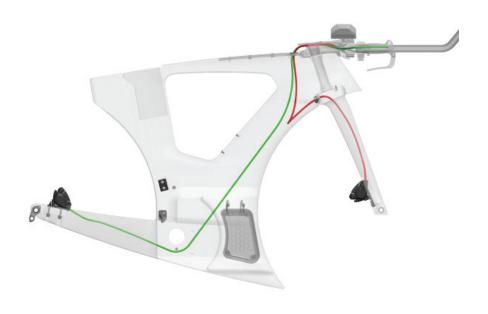


## DIAMONDBACK ANDEAN: DISC BRAKE CABLING LEGEND

**ASSEMBLY** 

ADVICE Front Disc Brake: RED Rear Disc Brake: GREEN



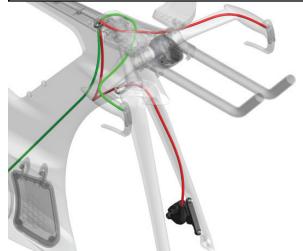


#### DIAMONDBACK ANDEAN: DISC BRAKE CABLING

ASSEMBLY Advice



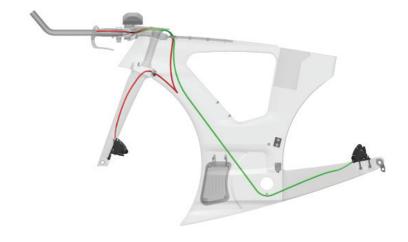
FRONT BRAKE: hydraulic hose enters top tube and travels inside
the head tube, exits the frame and enters the fork behind the fork
crown, runs down inside the non drive side fork leg and exits near
the drop out where it connects to the front brake.



ASSEMBLY Advice



2. REAR BRAKE: hydraulic hose enters top tube and travels inside the down tube, under the bottom bracket, inside the non drive side chain stay and exits near the drop out where it connects to the rear brake.



## DIAMONDBACK ANDEAN: MECHANICAL CABLING LEGEND

**ASSEMBLY** 

ADVICE Front Derailleur YELLOW

Rear Derailleur: **BLUE** 



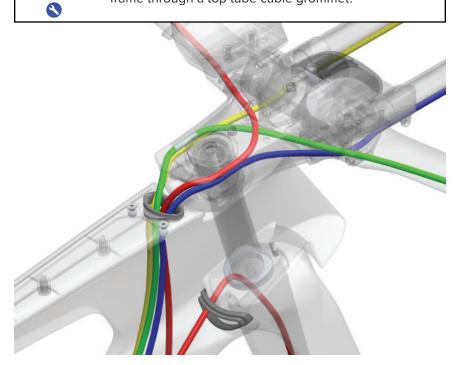


#### DIAMONDBACK ANDEAN: CABLE MANAGEMENT

#### **ASSEMBLY**

ADVICE

1. CABLE MANAGEMENT: the derailleur cables enter the frame through a top tube cable grommet.

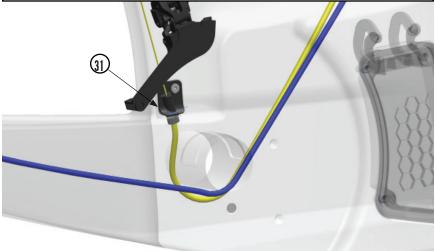


#### DIAMONDBACK ANDEAN: FRONT & REAR DERAILLEUR CABLING

ASSEMBLY Advice



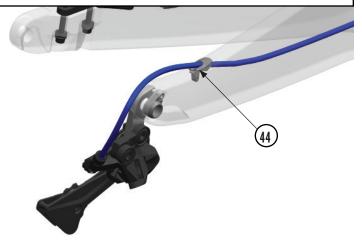
2. FRONT DERAILLEUR: the cable travels inside the down tube, passes under the bottom bracket, and exits the frame through a cable guide below the derailleur.



ASSEMBLY Advice



3. REAR DERAILLEUR: the cable travels inside the down tube, passes under the bottom bracket, continues inside the drive inside chain stay and exits through a cable guide near the drop out.



#### DIAMONDBACK ANDEAN: ETAP CABLING

#### **ASSEMBLY**

ADVICE

1. eTAP BLIP BOX: the blip box is connected to a bracket that is mounted onto the extensions.

#### **ASSEMBLY**

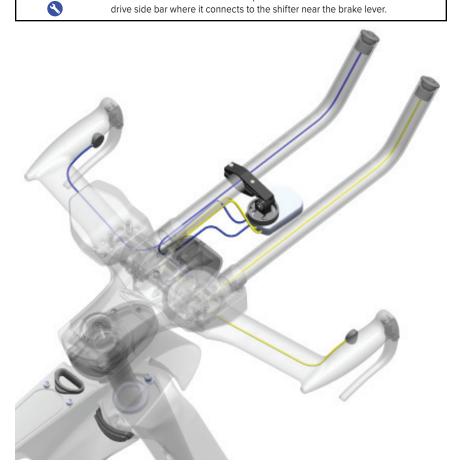
ADVICE

 eTAP FRONT DERAILLEUR: the first cable travels from the blip box and runs along the underside of the non-drive side extension where it connects to the shifter. The second cable travels from the blip box and runs alone the underside of the non-drive side bar where it connects to the shifter near the brake lever.

#### **ASSEMBLY**

ADVICE

1. eTAP REAR DERAILLEUR: the first cable travels from the blip box and runs along the underside of the drive side extension where it connects to the shifter. The second cable travels from the blip box and runs alone the underside of the drive side bar where it connects to the shifter near the brake lever.



#### DIAMONDBACK ANDEAN: DI2 CABLING LEGEND

**ASSEMBLY** 

ADVICE Front Derailleur: YELLOW Junction Box: PINK

Rear Derailleur: **BLUE** Battery: **BLACK** 

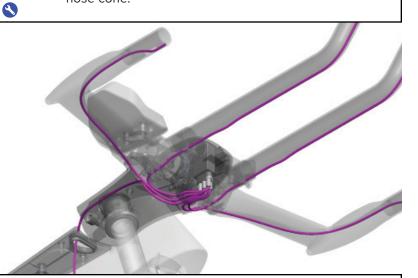


#### DIAMONDBACK ANDEAN: DI2 CABLING

#### **ASSEMBLY**

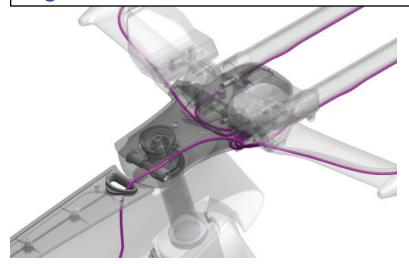
ADVICE

1. Junction (A): the junction box is mounted inside the stem nose cone.



# ASSEMBLY ADVICE

2. Electric Wire Entry: from Junction (A), the electric wire travels through the stem and enters the top tube through a grommet.

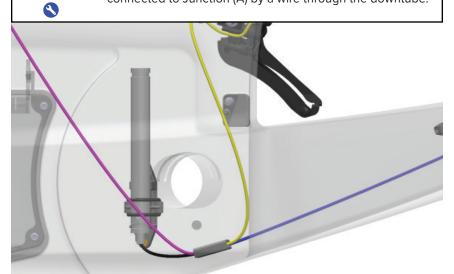


#### DIAMONDBACK ANDEAN: DI2 CABLING

#### **ASSEMBLY**

ADVICE

3. Junction (B): the junction box is housed inside the BB. It is connected to Junction (A) by a wire through the downtube.

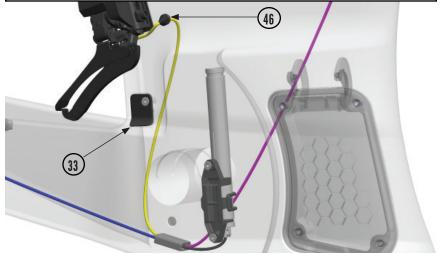


# ASSEMBLY

ADVICE

3

4. FRONT DERAILLEUR: electric wire travels from Junction (B) and exits the frame through a grommet next to the front derailleur.

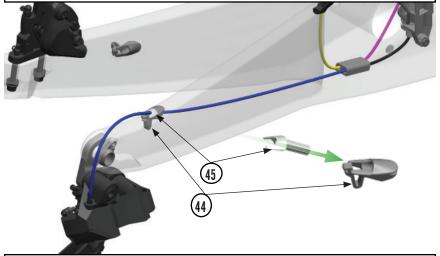


#### DIAMONDBACK ANDEAN: DI2 CABLING

ASSEMBLY Advice



5. REAR DERAILLEUR: electric wire travels from Junction (B) through the drive side chainstay. It exits through a cable guide at the dropout and connects to the rear derailleur.

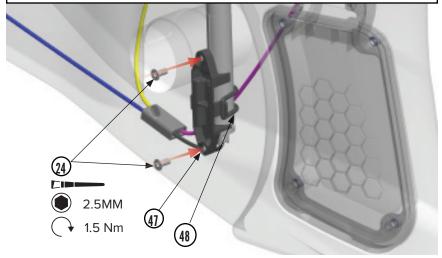


ASSEMBLY

ADVICE



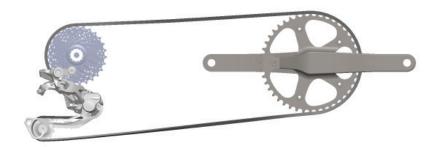
6. Battery: the internal type Di2 battery is secured with a mount that is bolted inside the frame next to the bottom bracket .The electric wire travels from the battery to Junction (B) in the BB.

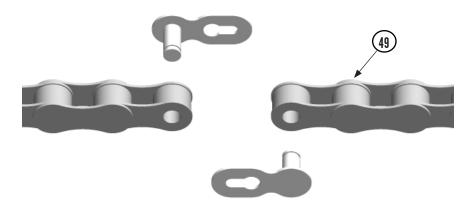


**ASSEMBLY** 

ADVICE 21. Install Chain







WARNING

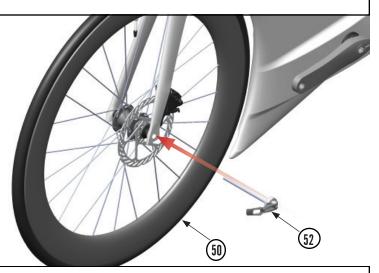
A

! Please refer to chain manufacturer's assembly instructions!

#### **ASSEMBLY**

ADVICE

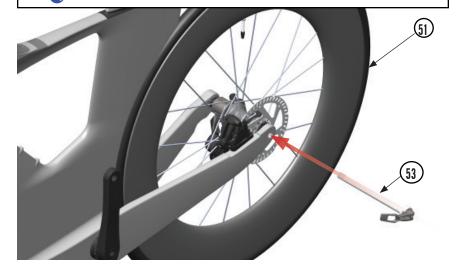
22. Remove thru axle from fork by unthreading – remove plastic brake block from hydraulic brakes.



#### **ASSEMBLY**

**ADVICE** 

23. Slide wheel into drop outs aligning disc between caliper pads.



# DIAMONDBACK ANDEAN COMPONENT ASSEMBLY PART REFERENCE



ITEM NO.	PART NUMBER	QTY.
1	SEAT POST	1
2	SEAT POST GROMMET	1
3	SEAT POST BINDER BOTTOM	1
4	SEAT POST BINDER TOP	1
5	SP BINDER SHOULDER SCREW M4X0.7X6 SHSC	1
6	SP BINDER SET SCREW M8X1.25X10 FHSS	1
7	STEER LIMITER BOLT M5X0.8X7 FHSS	1
8	HEADSET	1
9	FORK	1
10	HEADSET BOLT M6X1.0X20 SHCS	1
11	TOP CAP	1
12	STEM	1
13	10MM AERO SPACER	2
14	15MM AERO SPACER	2
15	STEM PINCH BOLT M8X1.25X35 SHCS	1
16	STEM NUT M8X1.25X14.5	1
17	BAR	1
18	FACEPLATE	1
19		4
20	FACEPLATE BOLT M5X0.8X15 SHCS	1
	NOSE CONE	
21	NOSE CONE BOLT M4X0.7X8 FHCS	2
22	TOP TUBE CABLE GROMMET	1
23	TOP TUBE STORAGE TRAY	1
24	BOLT M4X0.7X10 FHCS	10
25	TOP TUBE STORAGE COVER	1
26	TOP TUBE STORAGE COVER PLATE	1
27	BOLT M5X0.8X10 BHCS	6
28	STEM STORAGE BOLT M5X0.8X16 BHCS	2
29	STEM STORAGE	1
30	STEM PILL BOX	1
31	FRONT DERAILLEUR CABLE GUIDE	1
32	FRONT DERAILLEUR HANGER	1
33	FRONT DERAILLEUR CABLE GUIDE COVER	1
34	FRONT DERAILLEUR HANGER COVER	1
35	FRONT DERAILLEUR	1
36	REAR DERAILLEUR HANGER	1
37	REAR DERAILLEUR THRU AXLE NUT	1
38	REAR DERAILLEUR SHOULDER SCREW M4X0.7X9 SHSC	1
39	REAR DERAILLEUR	1
40	REAR DISC BRAKE CALIPER	1
41	FRONT DISC BRAKE CALIPER	1
42	BOTTOM BRACKET	1
43	CRANK	1
44	SNAP-IN CABLE GUIDE	2
45	REAR DERAILLEUR CABLE GUIDE GROMMET	1
46	Di2 CABLE GROMMET	1
47	Di2 BATTERY HOLDER	1
48	Di2 BATTER HOLDER O-RING	1
49	CHAIN	1 1
50	FRONT WHEEL	1 1
51	REAR WHEEL	1 1
52	FRONT THRU AXLE SKEWER	1 1
53	REAR THRU AXLE SKEWER	1
	I THE THE PARTY OF	

© 2016 DIAMONDBACK BICYCLES DIAMONDBACK.COM

# **SECTION 2**

# FRAME ASSEMBLY

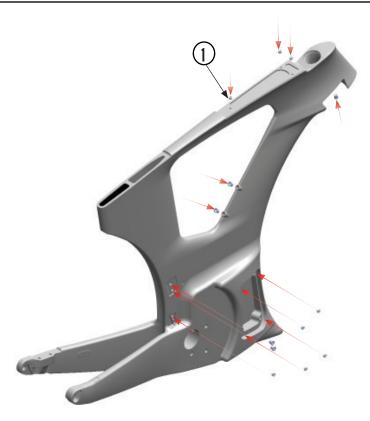


#### **ASSEMBLY**

ADVICE

1. Press threaded inserts into frame.



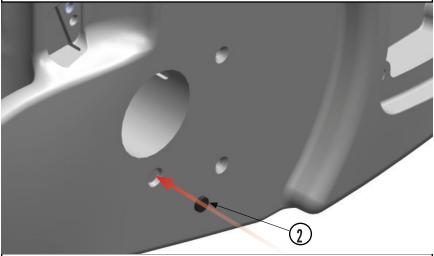


#### **ASSEMBLY**

ADVICE

2. Install Crank Magnet.



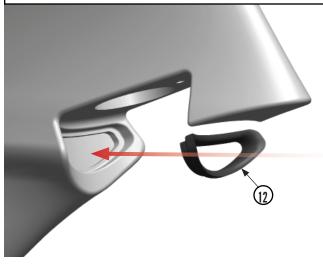


#### **ASSEMBLY**

ADVICE

3. Install Front Brake Cable Grommet

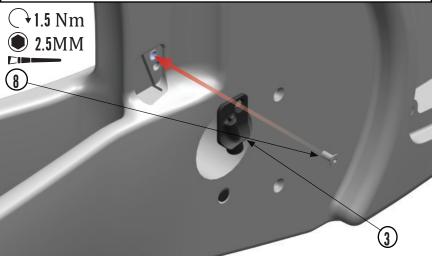






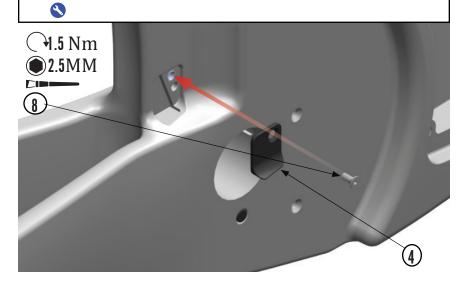
**ADVICE** 4a. Install Front Derailleur Cable Guide.





#### **ASSEMBLY**

**ADVICE** 4b. Install Front Derailleur cable guide cover plate.

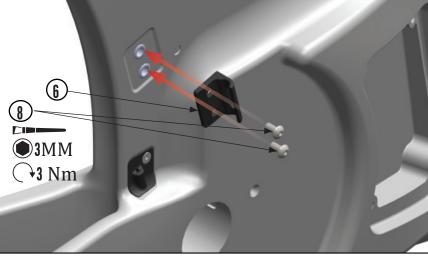




ADVICE

5a. Install Front Derailleur Hanger.

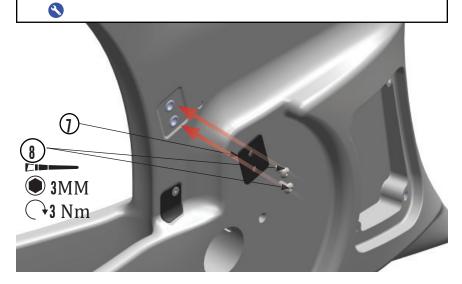




#### **ASSEMBLY**

ADVICE

5b. Install Front Derailleur Hanger cover plate.

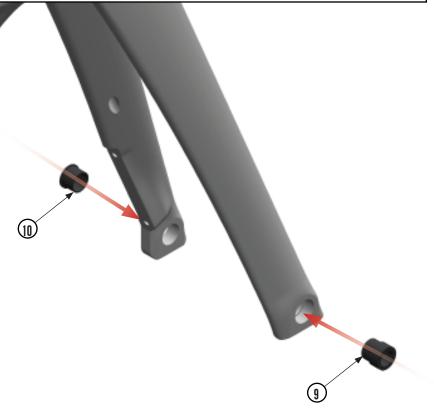


#### **ASSEMBLY**

ADVICE

6. Press thru axle inserts into fork dropouts.



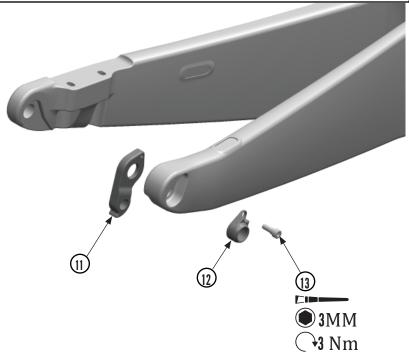


**ASSEMBLY** 

ADVICE 7. Insta

7. Install Thru Axle rear Derailleur Hanger.







# <u>Diamondback andean frame assembly part reference</u>

ITEM NO.	PART NUMBER	QTY.
1	THREADED INSERTS	18
2	CRANK MAGNET	1
3	FRONT DERAILLEUR CABLE GUIDE	1
4	FRONT DERAILLEUR CABLE GUIDE COVER	1
5	FD CABLE GUIDE BOLT M4x0.7x9 SHCS	1
6	FRONT DERAILLEUR HANGER	1
7	FRONT DERAILLEUR HANGER COVER	1
8	FD HANGER BOLT M4x0.7x9 SHCS	1
9	DS FORK THRU AXLE INSERT	1
10	NDS FORK THRU AXLE INSERT	1
11	REAR DERAILLEUR THRU AXLE HANGER	1
12	REAR THRU AXLE NUT	1
13	THRU AXLE BOLT M4x0.7x9 SHCS	1