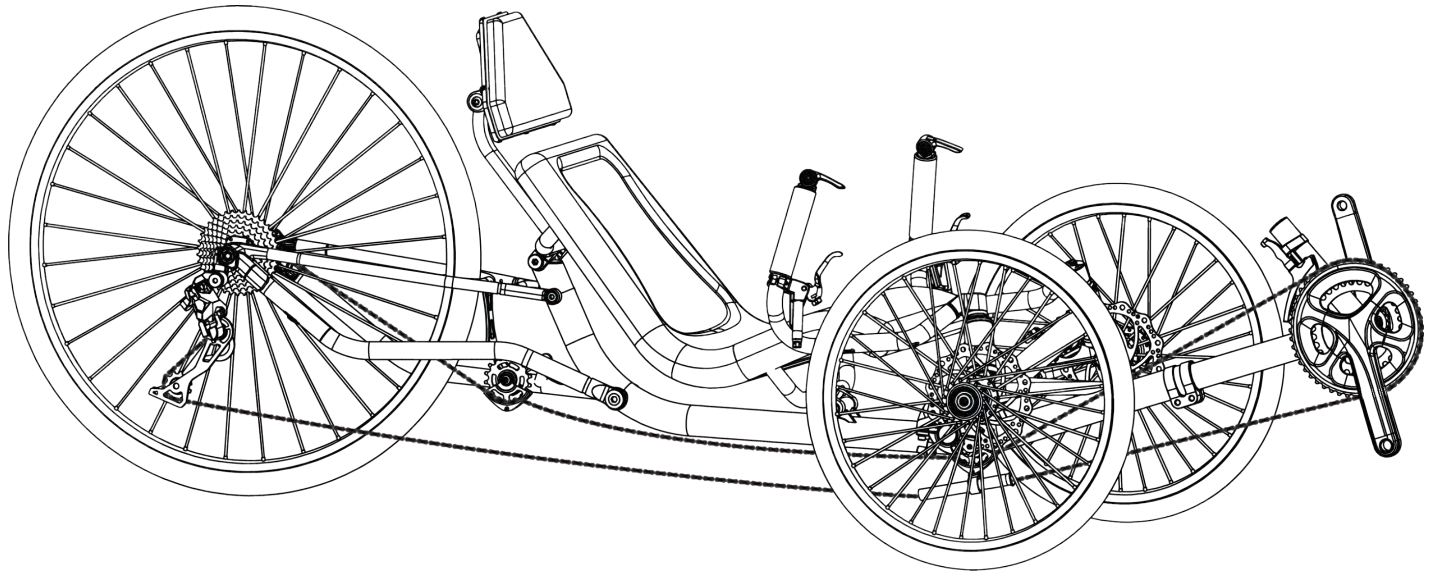




TerraTrike®



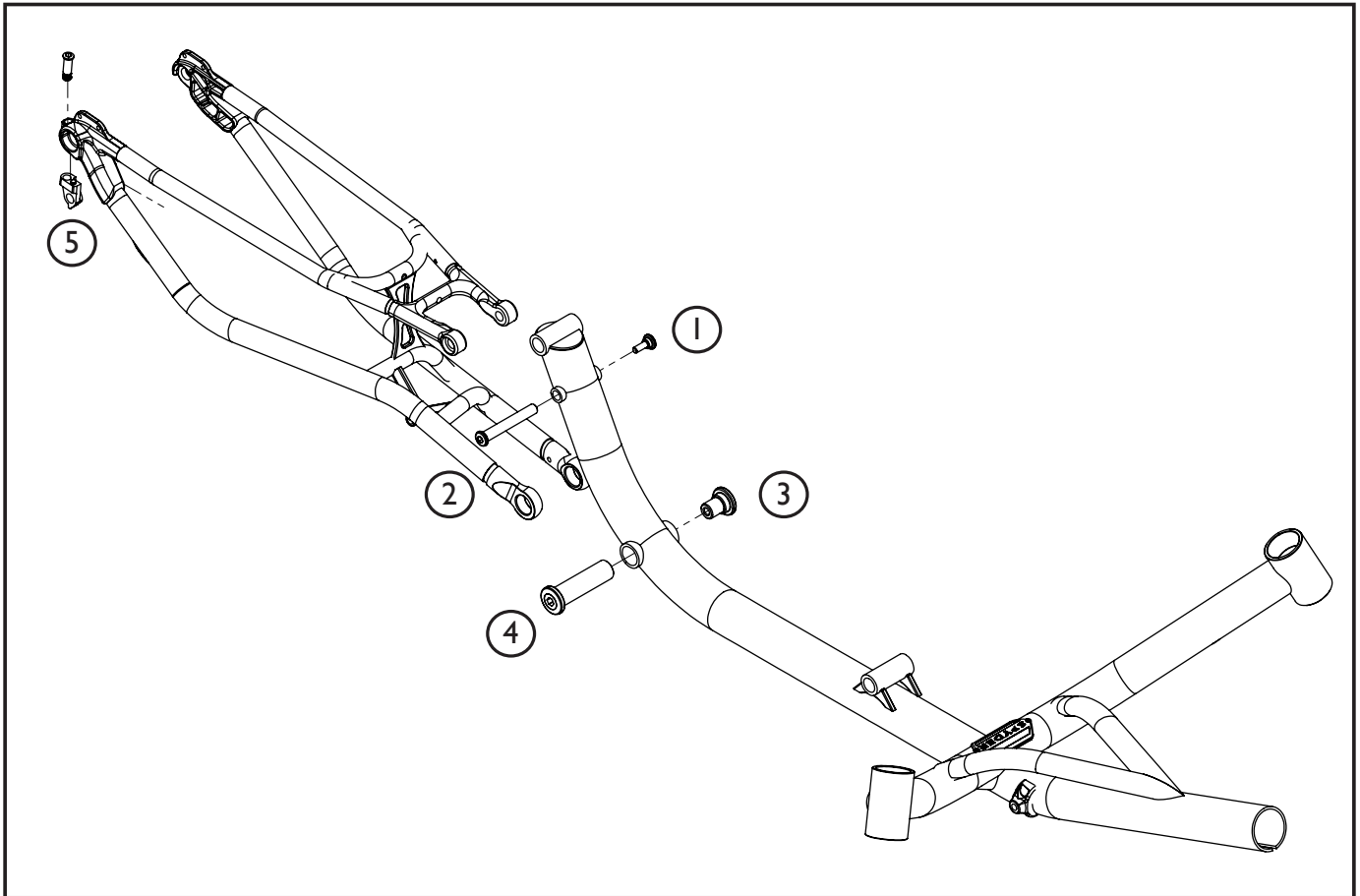
SPYDER
&
SPYDER ATC
Build Notes



Frame Assembly

Install rear frame section and derailleur hanger as shown below.

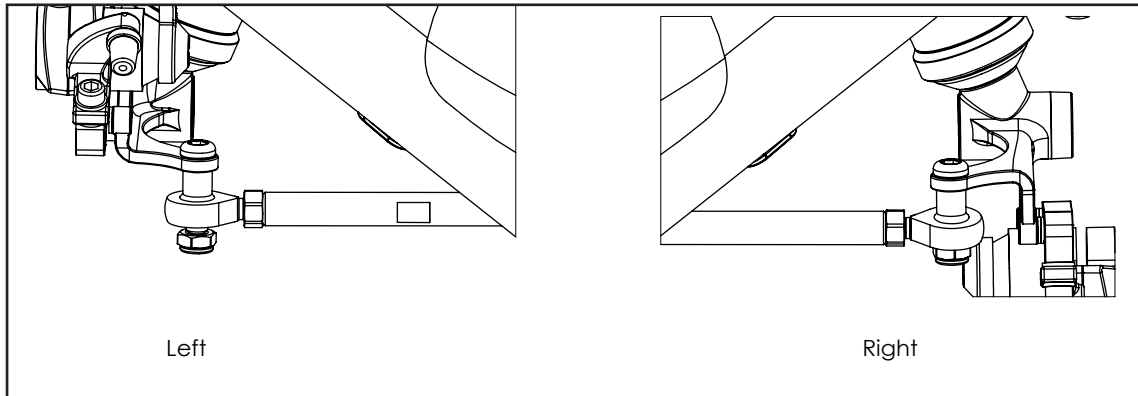
Torque specs: Top bolt(2) 8.5Nm, Bottom Bolt(4) 20Nm.



1	15x23mm Cap	WH000048
2	15x74mm Bolt	WH000049
3	28.6x28mm Cap	WH000050
4	28.6x77mm Bolt	WH000051
5	Derailleur Hanger with Bolt	WC000040

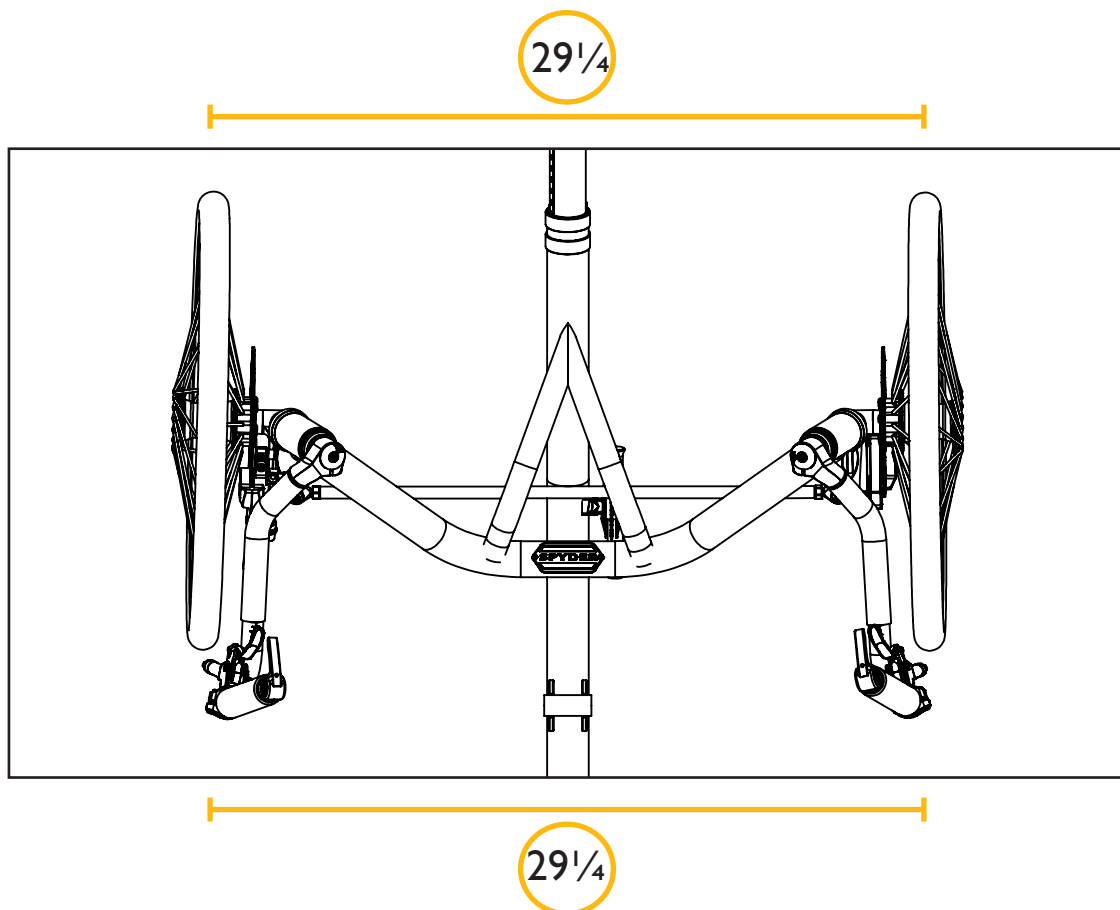


Tie Rod Assembly

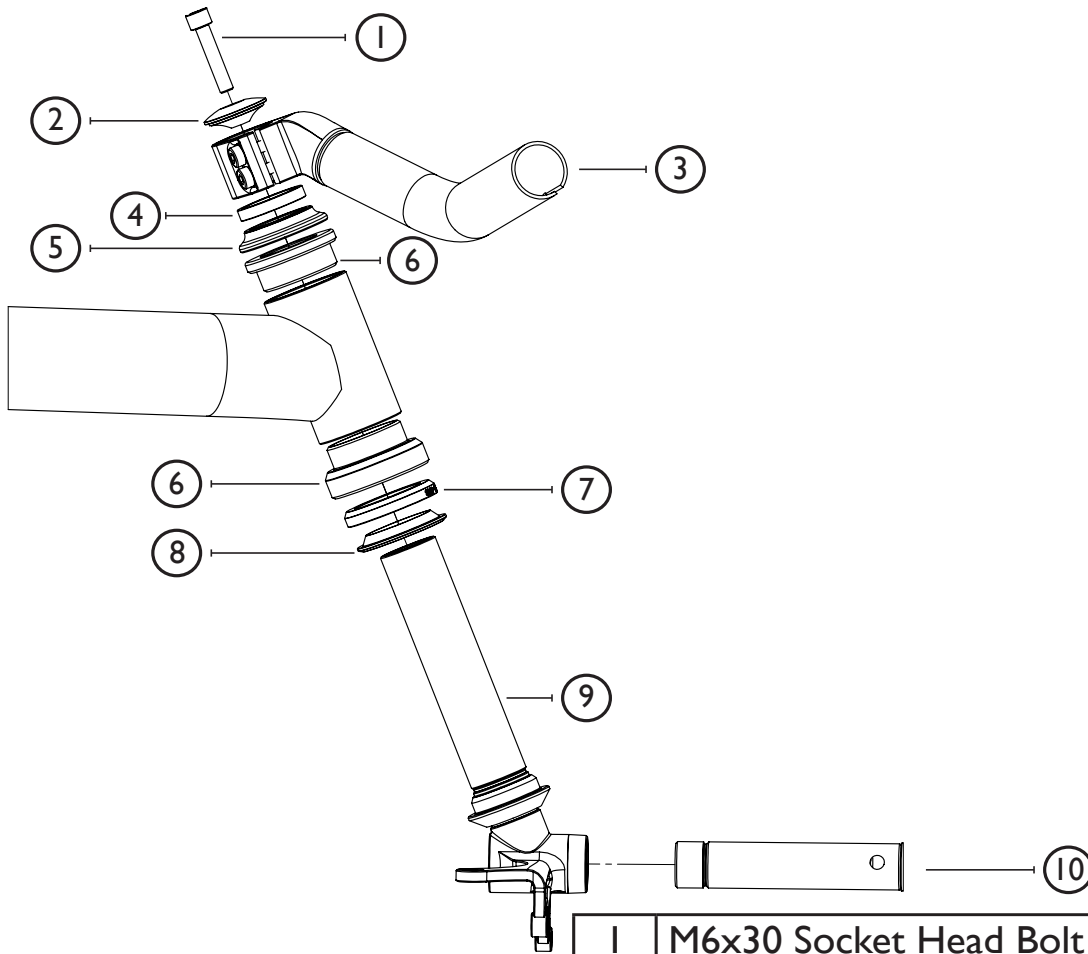


Alignment

Inflate tires before performing alignment. The Spyder alignment measurement is approximately 29 $\frac{1}{4}$ inches (center tread to center tread), though slight variance is possible. Most importantly, make sure the alignment remains neutral with a rider seated in the trike.



Spyder Steering Stack Assembly



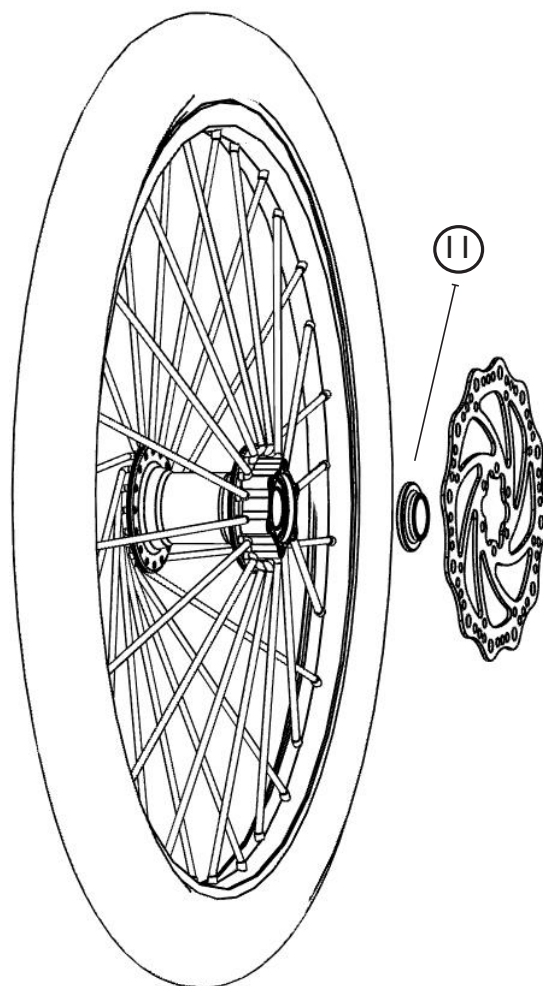
1	M6x30 Socket Head Bolt	TT000576
2	Hybrid Top Cap	TT000506
3	Spyder Handlebar Pair	TT600930
4	Hybrid Headset Spacer	TT000520
5	Hybrid Headset Cap	TT000505
6	Plastic Bushing	TT000504
7	Hybrid Headset Bearing	TT000600
8	Hybrid Steering Crown Race	TT000601
9	Rapid Axle Hubmount - RH	TT000713
	Rapid Axle Hubmount - LH	TT000714
	Rapid Axle Hubmount - Pair	TT000516
10	Rapid Axle - RH	TT000717
	Rapid Axle - LH	TT000718
	Rapid Axle - Pair	TT000563
11	Axle Spacer	TT000568



Steering Stack Assembly Continued*

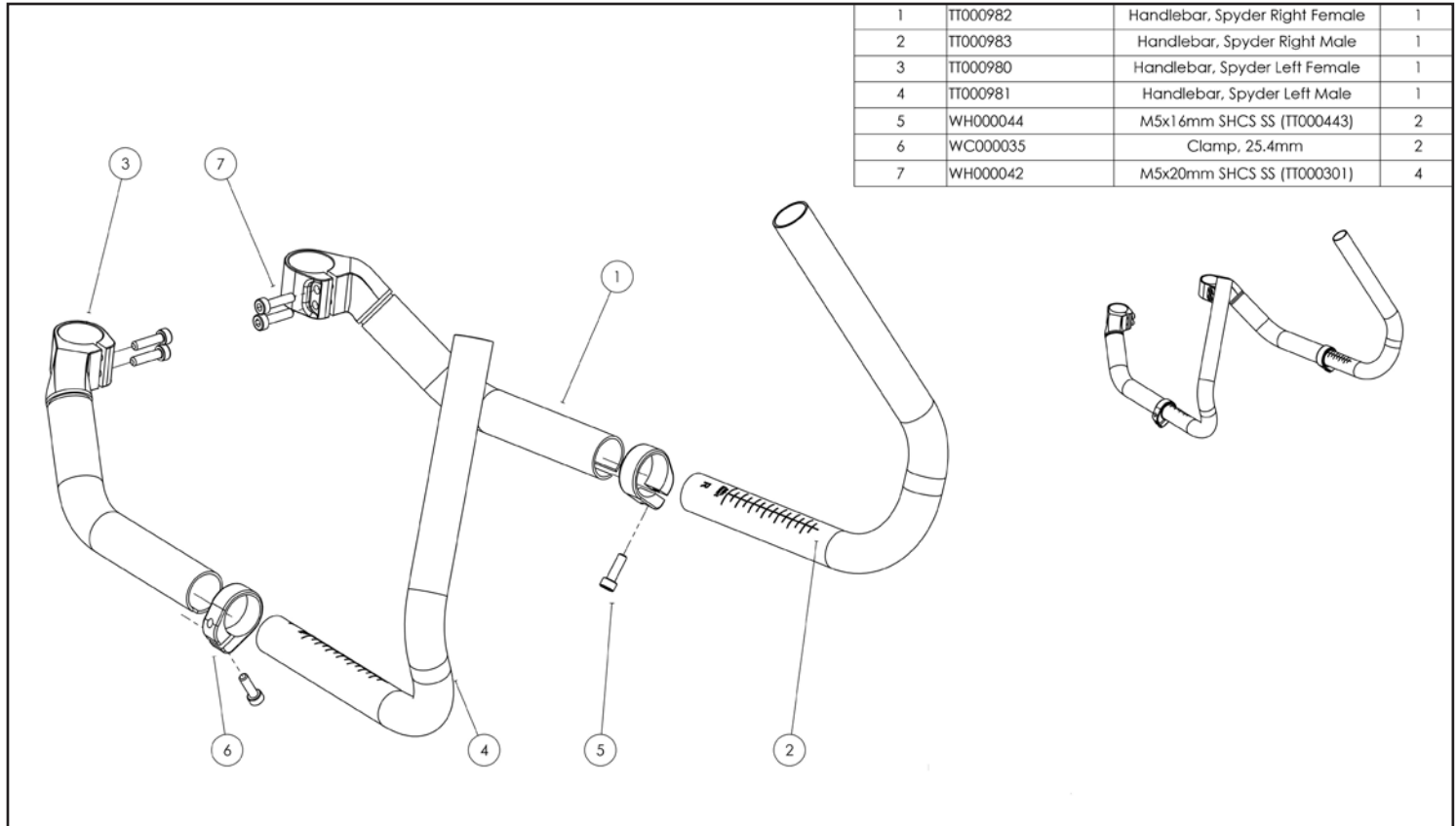
Install

Install Axle Spacer (11) between brake rotor and hub.

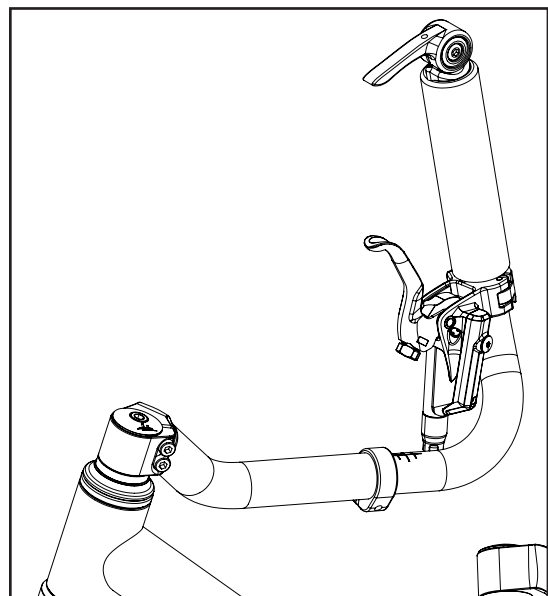
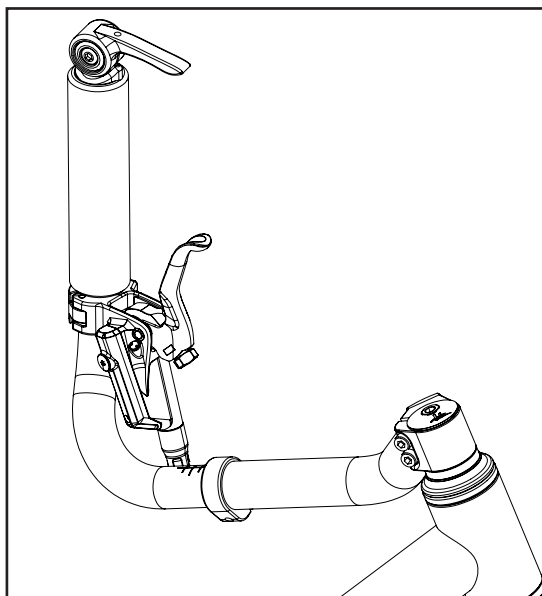


Handlebar Assembly

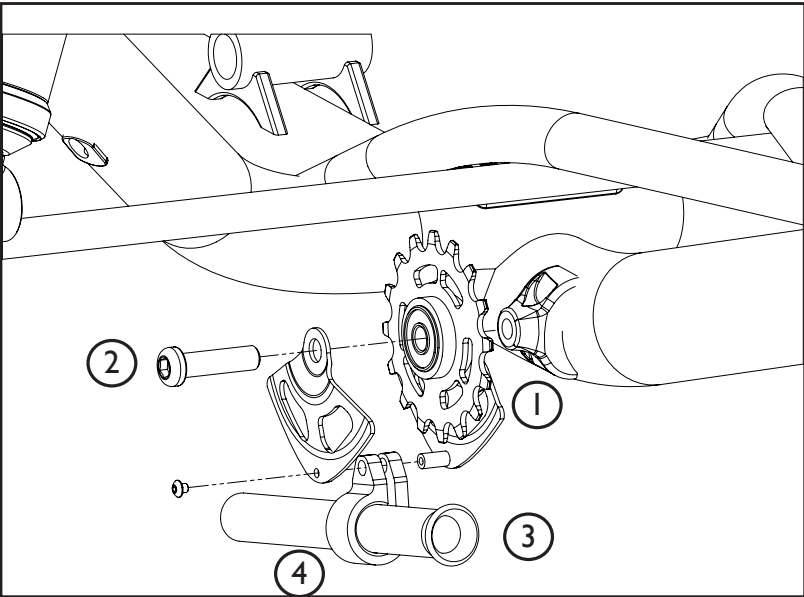
Minimum insertion of the handlebars is 7cm from the alignment marking nearest the handlebar upright.



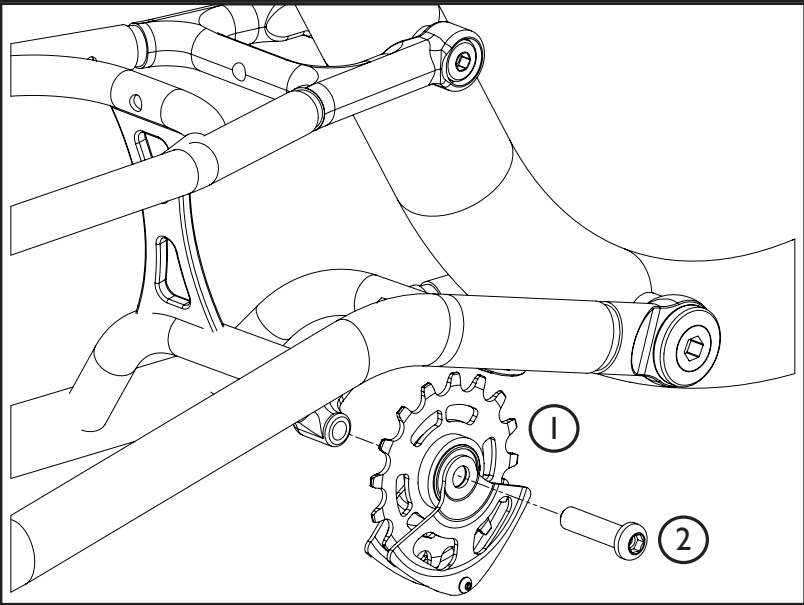
Brake Lever Orientation: (Spyder model only)



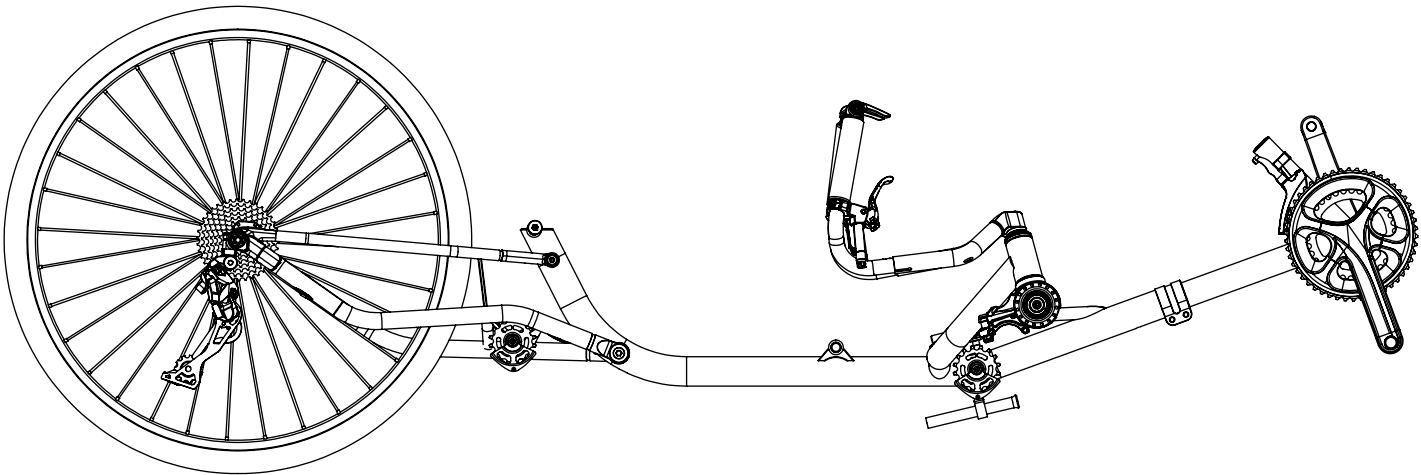
Chain Tube Setup/ Idler Setup



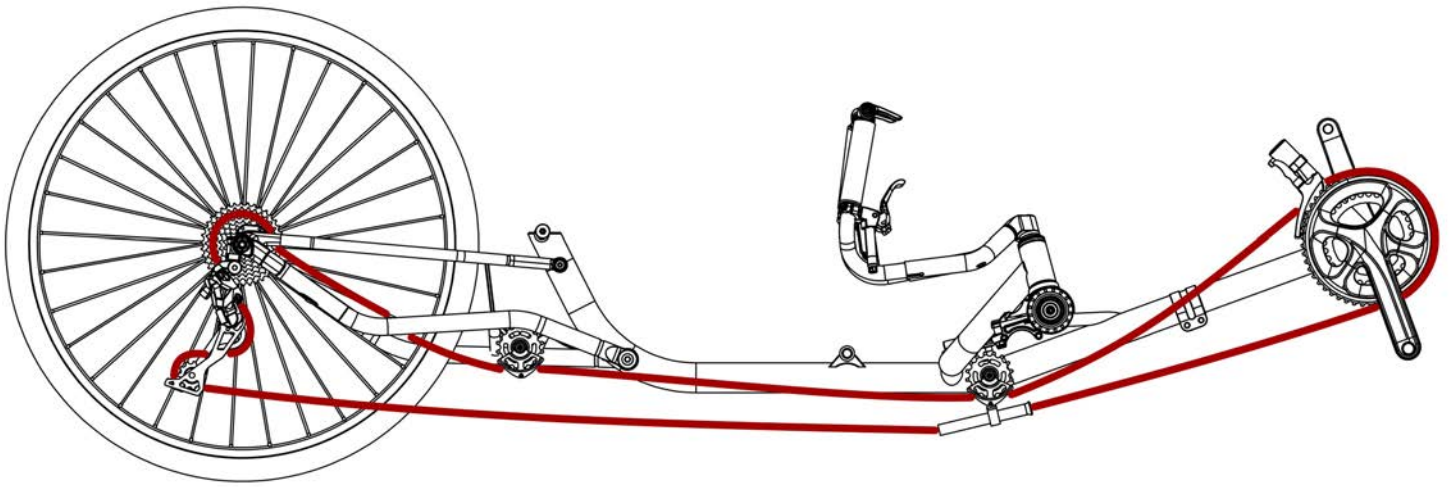
1	16t Aluminum Idler with cage	WC000041
2	M8x30 Bolt	TT000280
3	14cm LDPE Chain Tube	WC000039
4	Spyder Chain Tube Clamp	WC000038



1	16t Aluminum Idler with cage	WC000041
2	M8x30 Bolt	TT000280



Chain Routing



Cable Routing

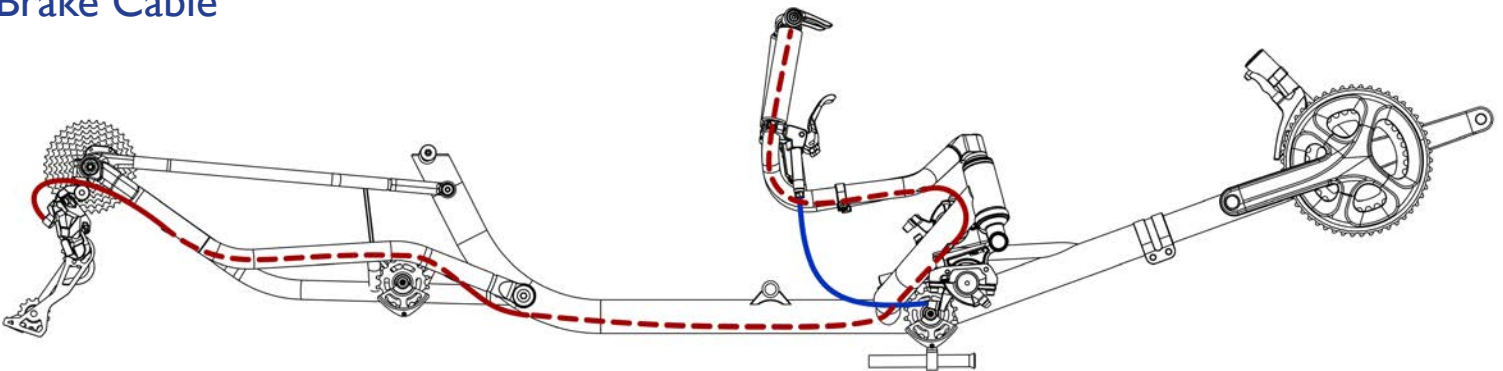
Note: Internal cable routing kit is necessary to complete cable routing.
Remove Spyder Head Badge and housing ferrules prior to routing cables.

Right Hand:

When routing RH cable housing, it is recommended to start installation at outrigger cable guide. Feed housing from outrigger to the badge window, and then through the mainframe. Next, route the housing from the mainframe through the rear frame section to rear derailleur. Finish by routing housing from outrigger cable guide, to handlebar cable guide and through handlebar. Install shifter and shift cable.

Shift Cable (solid=external routing, dashed=internal routing)

Brake Cable

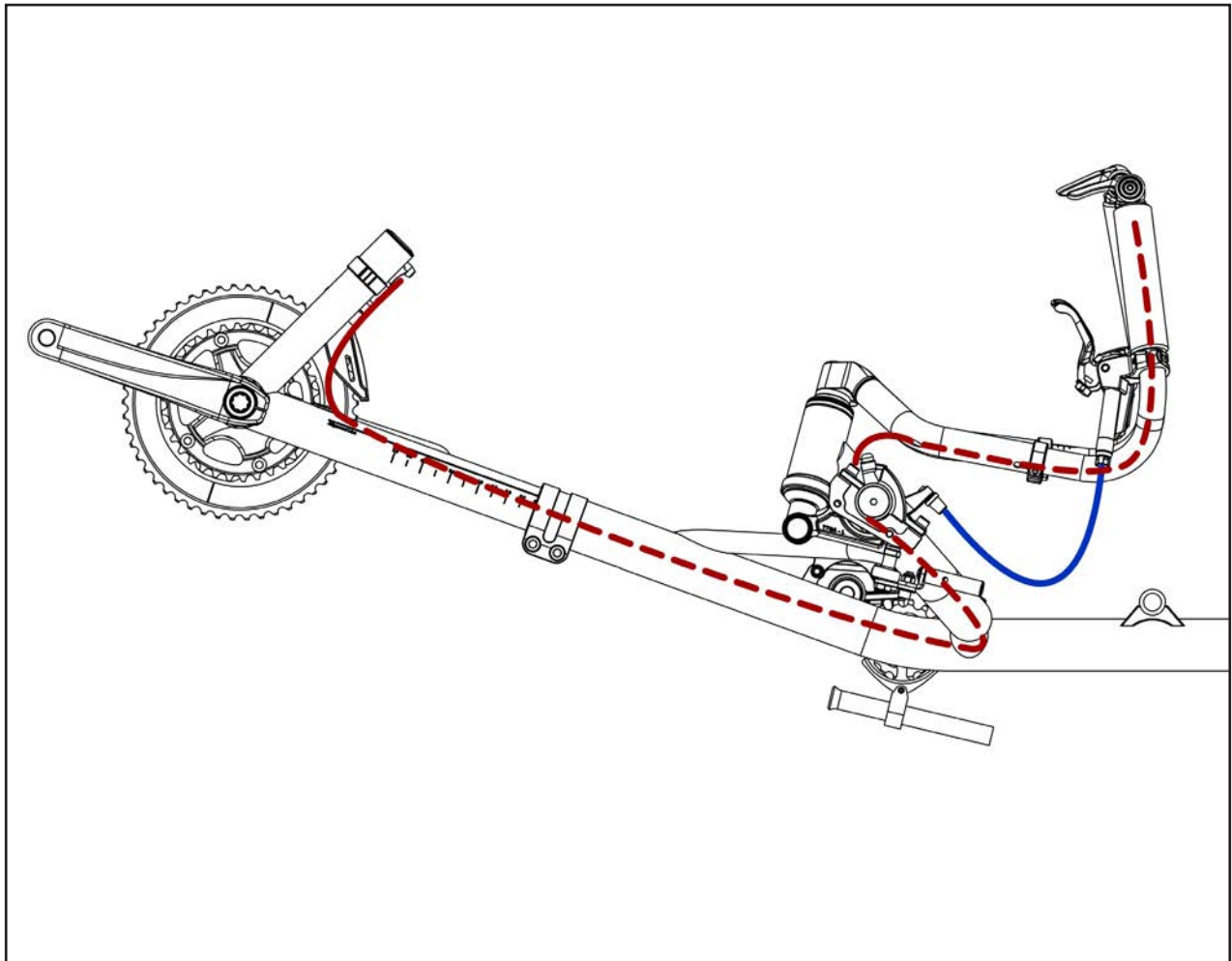


Left Hand:

When routing LH cable housing, it is recommended to start installation at boom cable guide. Feed housing through boom/boom receiver tube to the badge window, and then through outrigger. Finish by routing housing from outrigger cable guide to handlebar cable guide and through handlebar. Install shifter and shift cable.

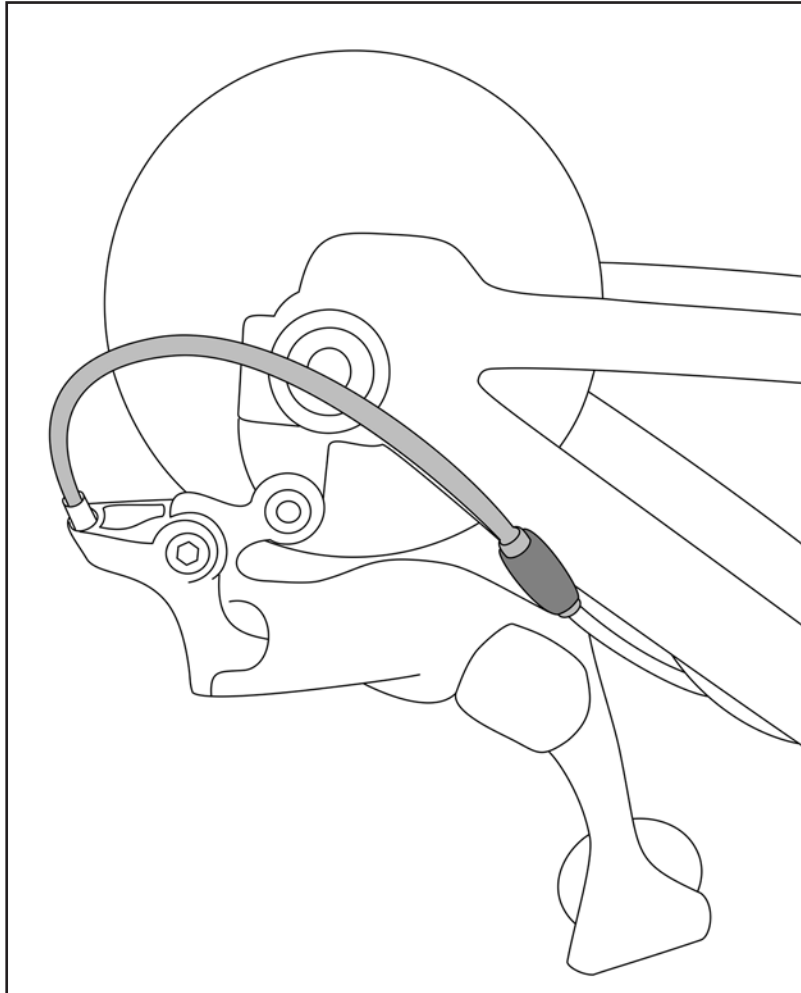
Brake Cable

Shift Cable (solid=external, dashed=internal)



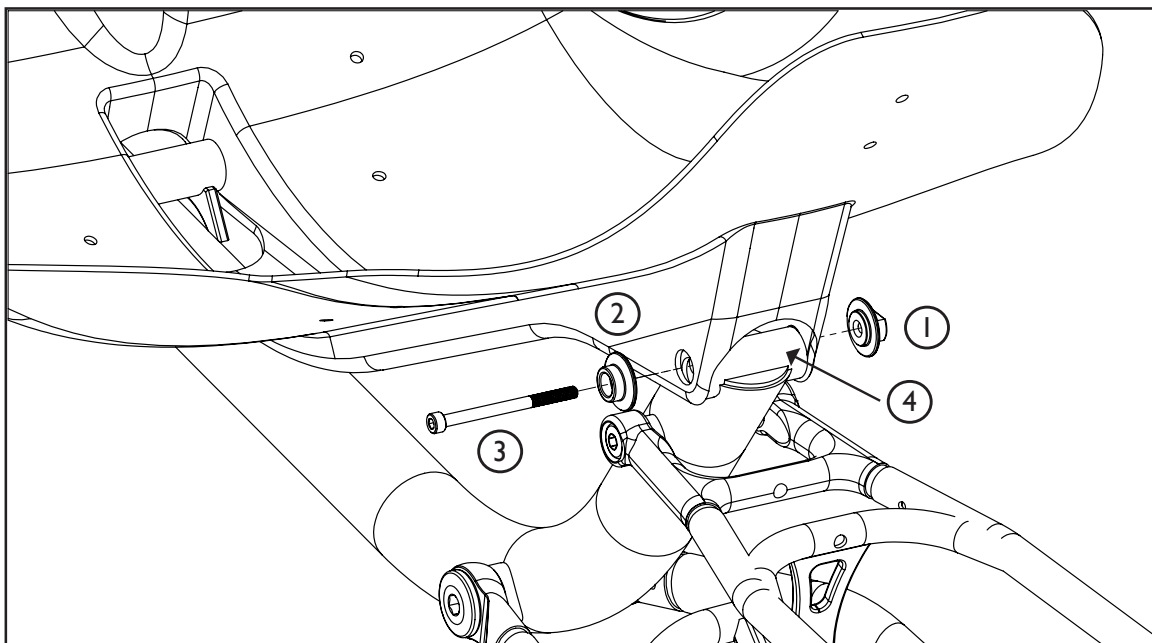
Inline Barrel Adjuster: (Spyder model only)

Install inline barrel adjuster on rear cable housing after the housing has been routed through the frame. Install the 7" cable housing section between barrel adjuster and rear derailleur.

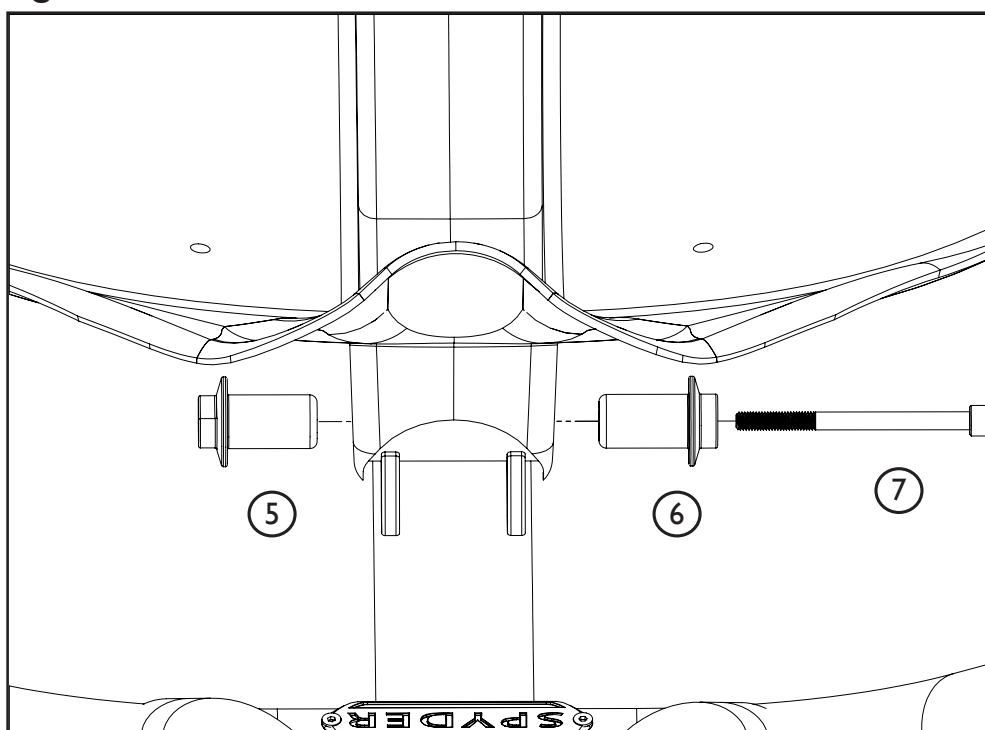


ATC Carbon Seat Assembly

Upper: Install offset insert (4) into seat mount on mainframe. Install threaded cap (1) and through hole cap (2) into upper mounting holes on seat. Install M5x65 bolt (3) and tighten to 5Nm.



Lower: Install seat bolts (5) & (6) into lower mounting holes on seat. Install M5x45 bolt (7) and tighten to 5Nm.

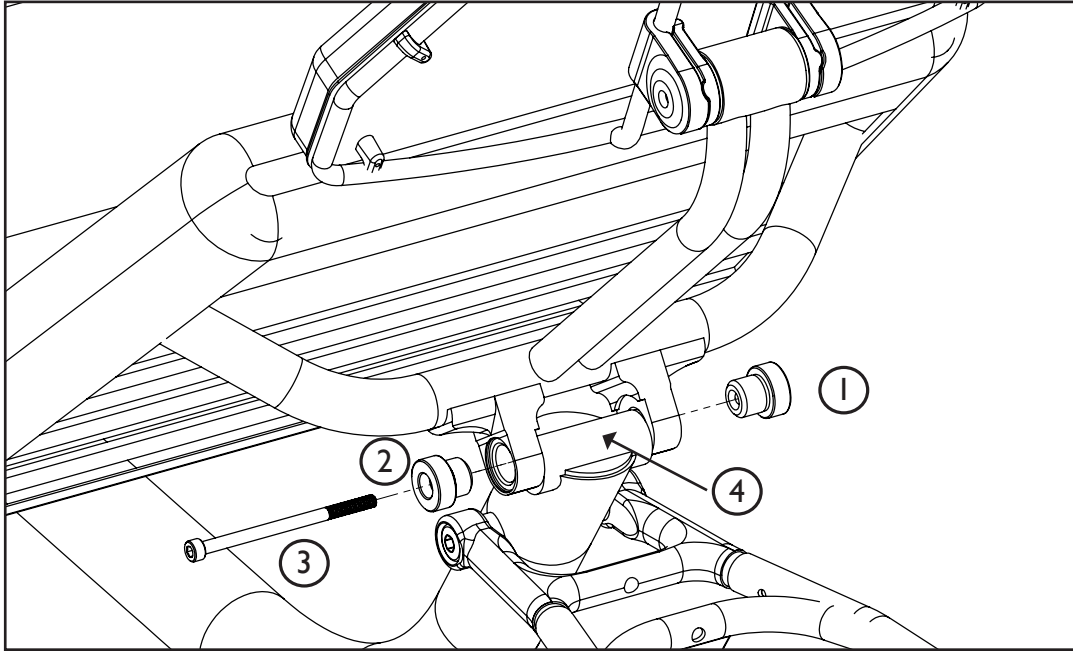


Perspective: Front of trike.

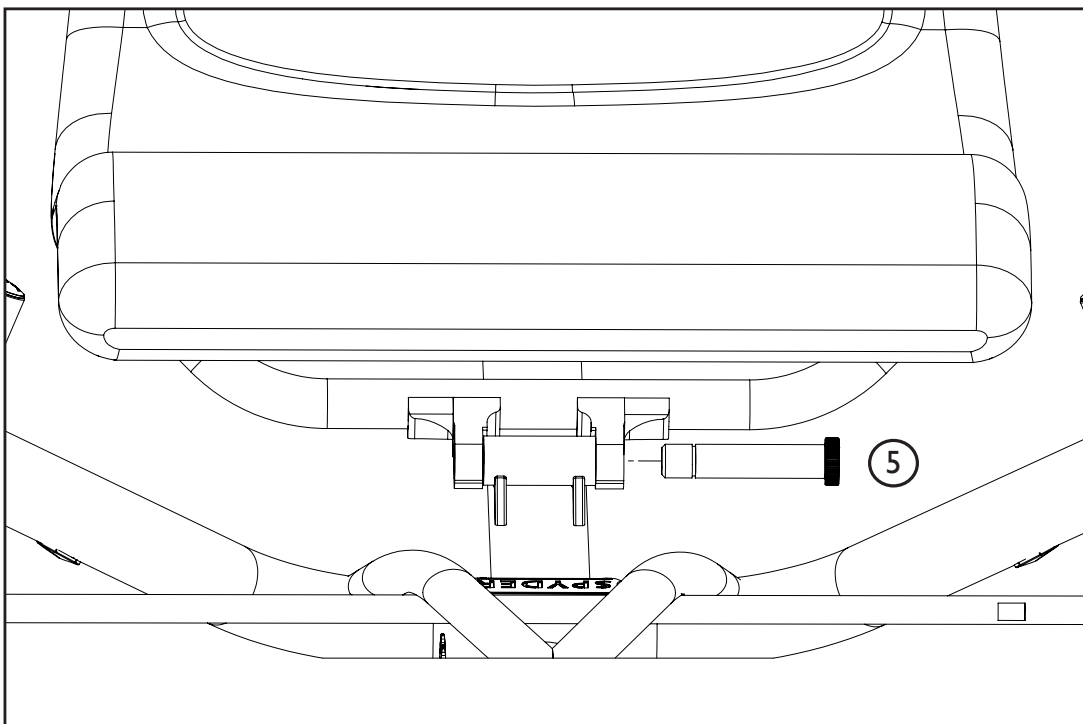


Sport Touring Seat Assembly

Upper: Install offset insert (4) into seat mount on mainframe. Install M15 threaded press fit bushing (1) and M15 press fit bushing (2) into upper seat mounting tabs. Install M5x80 bolts (3) and tighten to 5Nm.



Lower: Install fixed seat bolt (5) into lower seat mounting tabs and tighten.



Perspective: Front of trike.



Carbon Seat Assembly

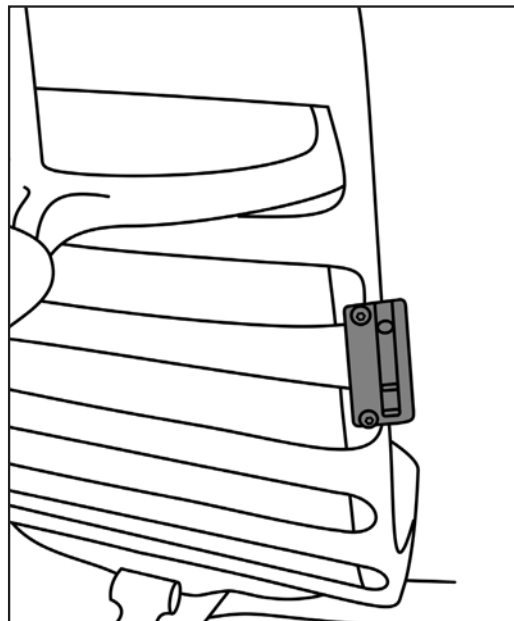
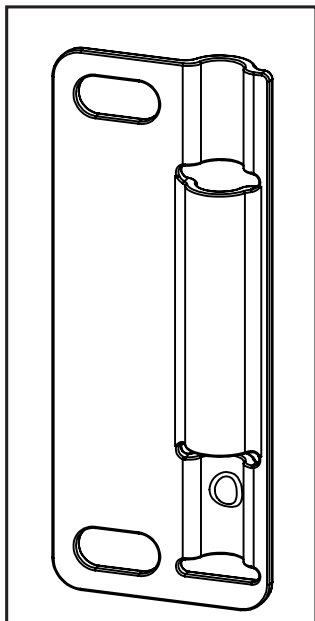
1	ATC Threaded Cap	TT000879
2	ATC Through Hole Cap	TT000880
3	M5x65mm Bolt	WH000012
4	Offset Insert	TT000870
5	ATC Seat Bolt Threaded	TT000881
6	ATC Seat Bolt Through Hole	TT000882
7	M5x45mm Bolt	WH000013

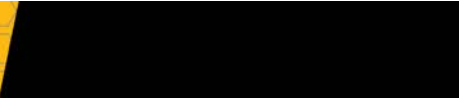
Sport Touring Seat Assembly

1	M15 Threaded Press Fit Bushing	TT000869
2	M15 Press Fit Bushing	TT000868
3	M5x80mm Bolt	WH000038
4	Offset Insert	TT000870
5	Fixed Seat Bolt	TT000633

Flag Mount: (Sport Touring Seat only)

Flag Mount is included in parts kit box. Can be installed over the mesh on left or right bottle cage bosses located on the side rails of the Sport Touring Seat.





TerraTrike®

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