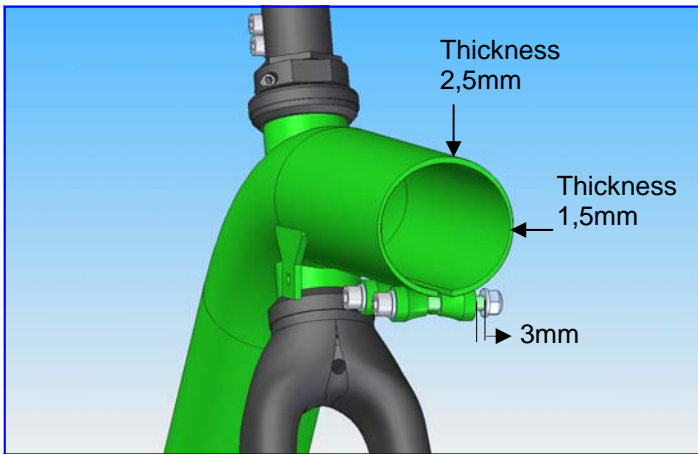
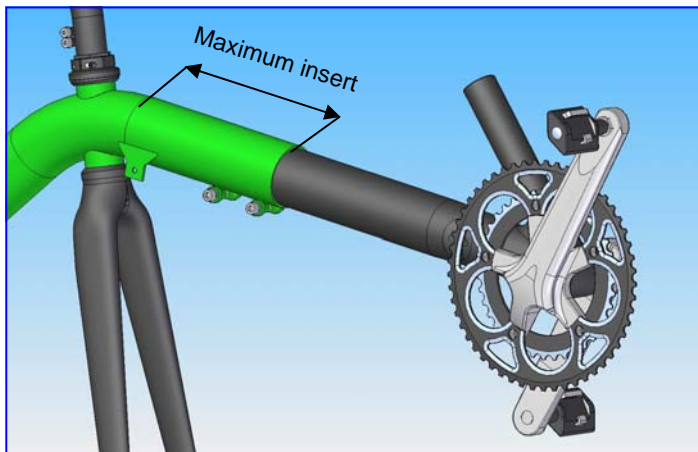


Adjusting Carbon bracket boom in SL-frame



To check first:

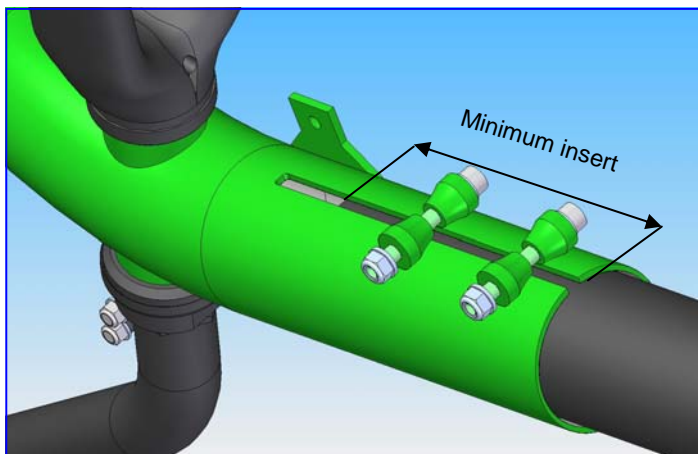
1. Make sure you have a Challenge-SL tube (With variable wall thickness)
2. Make sure there is no filler tape placed in the aluminium boom
3. Make sure the nuts have approximately 3 mm play
4. Check the bolts for the metal free paste against fretting
5. Make sure you have an original Challenge carbon boom which is 3 mm oval (57 mm-54 mm)



Pre-adjustment:

1. Place the boom in the tube and pre-adjust on your personal length
2. For new bikes the boom is mostly too long. Cut off when necessary
3. When reaching the maximum insert minus 2 cm play for fine adjustment

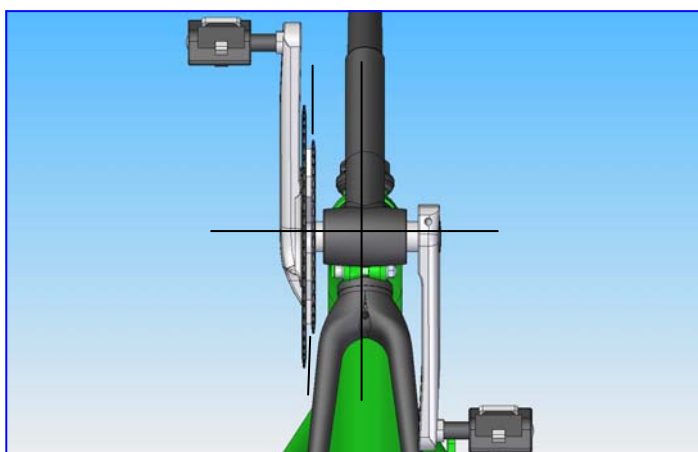
Note: It's better to cut several times a small piece, then cut one time too much.



Fine adjustment:

1. Tighten the nuts with 1 Nm
2. Fine adjust the boom to your personal length
3. Make sure that the minimum insert is more than 12 cm

Note: Double check minimum insert when you buy a used bike



Alignment:

1. Align the boom
Use the chain wheels for reference
2. Tighten the bolts:
6,0 - 6,5 Nm: Normal force, preference
6,5 - 7,0 Nm: Strong force
7,0 - 7,5 Nm: Silent cracking sound,
start of structural damage.
DO NOT EXCEED 7,5 Nm