

- 1) Clean and inspect BB shell. If installing on a new frame, have your local bike shop face the BB shell to ensure both faces are parallel.
- 1a) Determine the number of spacers for your shell width.
- 2a) Install the BB. Apply grease to the shell threads. Keep shell face grease free if using an ISCG adapter to prevent rotation during install. Press the center tube into a cup, then insert and thread. Start threading by hand. Drive side BB cup threads in COUNTER CLOCKWISE. Non drive side BB cup threads in clockwise.
- 2b) USE A TORQUE WRENCH to tighten BB cups to 33-41 Nm (25-30 Lb\*ft)
- 3) Install crankset.

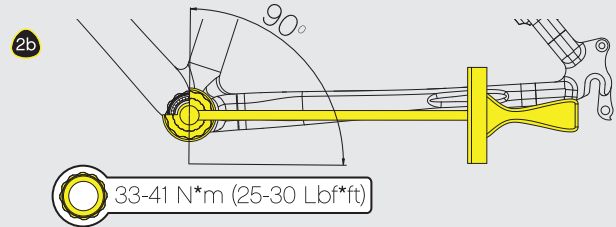
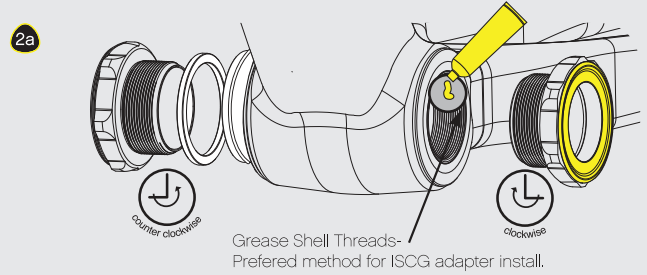
**BB SPACER CHART BSA**

Crankset	BB shell width	Non-drive side	Drive side
TRS/XCX	68	1x2.5mm	2x2.5mm
TRS/XCX	73	No Spacer	1x2.5mm
TRS/XCX	100	1x2.5mm	2x2.5mm
LG1	68	1x2.5mm	2x2.5mm
LG1	73	No Spacer	1x2.5mm
LG1	83	1x2.5mm	2x2.5mm

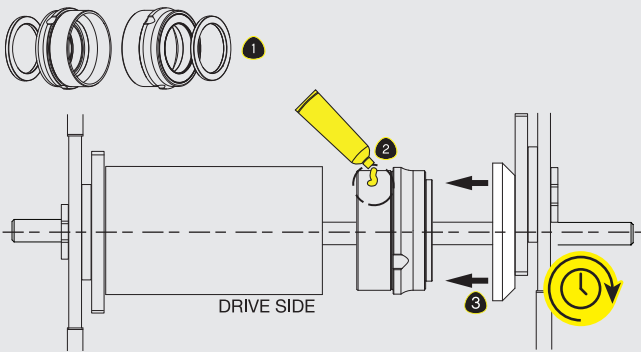
**SPINDLE SPACER TABLE\* BSA**

Crankset	Spindle length	BB shell width	Non-drive side spindle spacer	Drive side spindle spacer
TRS and XCX	113mm	68 or 73mm	none	none
TRSr Carbon	123mm	68 or 73mm	none	none
2015+ LG1*	113mm	68 or 73mm	none	none
2014 and earlier LG1*	113mm	68 or 73mm	1mm	3.5mm
LG1	123mm	83mm	none	none
LG1r Carbon	138mm	83mm	none	none
TRS Fatbike (73mm offset)	145mm	100mm	none	none
TRS Fatbike (78mm offset)	155mm	100mm	5mm	5mm

\*Cranks with "1 deg" marked on them are 2015+.



**PF30 100mm/FATBIKE INSTALLATION**



- 1) Clean and inspect BB shell.
- 2) Consult frame manufacturer's recommendation for grease, and apply if recommended.
- 3) Using a bearing press, like the BBT-90.3 from Park Tool, press bearings into frame. Be sure to press only the outer bearing race to prevent damage to the bearing.
- 4) Install crankset.

**SPINDLE SPACER TABLE\* PF30 FATBIKE**

Crankset	Spindle length	BB shell width	Non-drive side spacer	Drive side spacer
TRS Fatbike (73mm offset)	145mm	100mm	2.5mm	2.5mm
TRS Fatbike (78mm offset)	155mm	100mm	7.5mm (2.5 + 5mm)	7.5mm (2.5 + 5mm)

**BB30/PF30 INSTALLATION**

- 1) Clean and inspect BB shell.
- 2) Check if BB spacer is required. Consult frame manufacturer's recommendation for grease, and apply if recommended.
- 3) Insert cups and BB spacers into shell and thread together to press into frame WITH A TORQUE WRENCH (31-34 Nm).
- 4) Install crankset.

**SPINDLE SPACER TABLE\* BB30**

Crankset	Spindle length	BB shell width	Non-drive side spindle spacer	Drive side spindle spacer
TRS and XCX	113mm	68/73mm	none	none
TRSr Carbon		68/73mm	none	none
2015+ LG1*	113mm	68/73mm	none	none
2014- LG1*	113mm	68/73mm	1mm	3.5mm

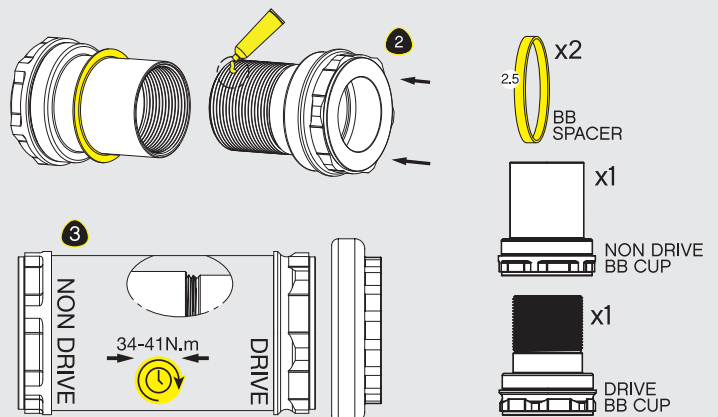
**SPINDLE SPACER TABLE\* PF30**

Crankset	Spindle length	BB shell width	Non-drive side spindle spacer	Drive side spindle spacer
TRS and XCX	113mm	68/73mm	none	none
TRSr Carbon	123mm	68/73mm	none	none
2015+ LG1*	113mm	68/73mm	none	none
2014- LG1*	113mm	68/73mm	1mm	3.5mm
LG1 cranks	123mm	83mm	none	none
LG1r Carbon	138mm	83mm	none	none

\*Cranks with "1 deg" marked on them are 2015+.

**BB SPACER CHART BB30/PF30**

Crankset	BB shell width	Non-drive side	Drive side
TRS/XCX	68	1x2.5mm	1x2.5mm
TRS/XCX	73	No Spacer	No Spacer
TRS/XCX	100	USE 100mm PF30 BB ONLY	
LG1	68	1x2.5mm	1x2.5mm
LG1	73	No Spacer	No Spacer
LG1	83	1x2.5mm	1x2.5mm

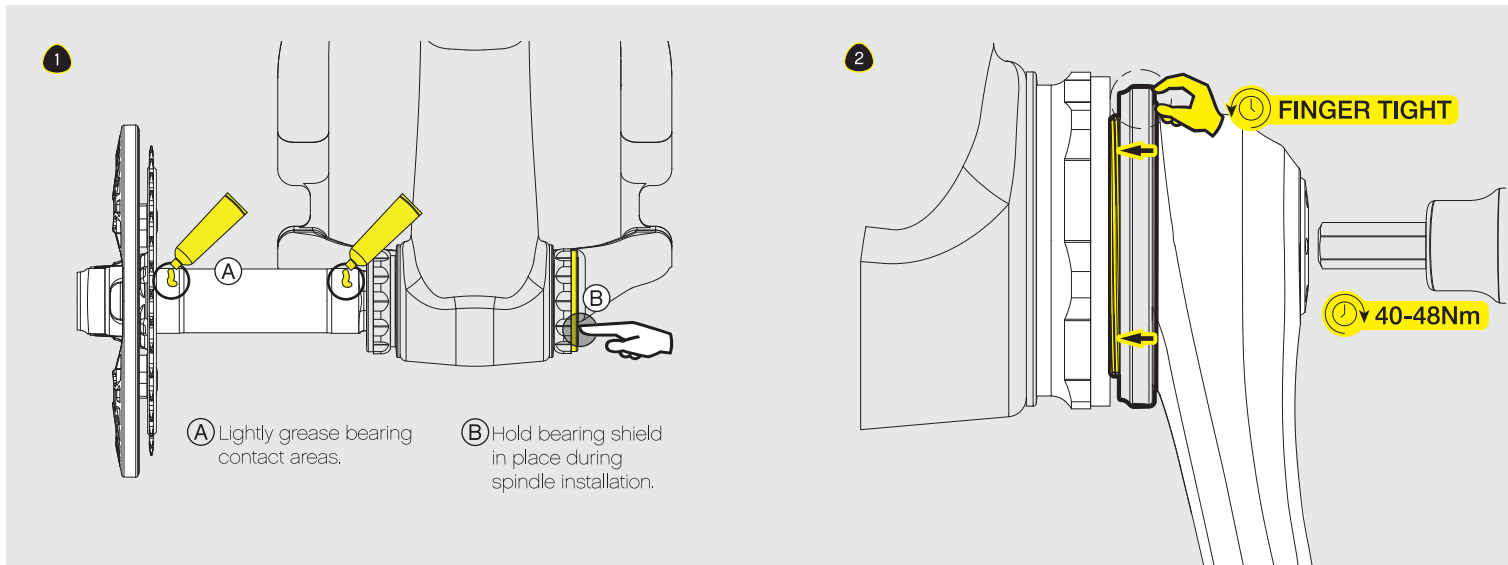


# CRANKARM INSTALLATION

1) Install the spindle. Guide spindle into drive side bearing. Gently push through both cups. Light force may be required. DO NOT use a hammer to seat the crank. Remove the crank, regrease and try again. Hold the non-drive side bearing shield in place during spindle installation to ensure it remains properly seated.

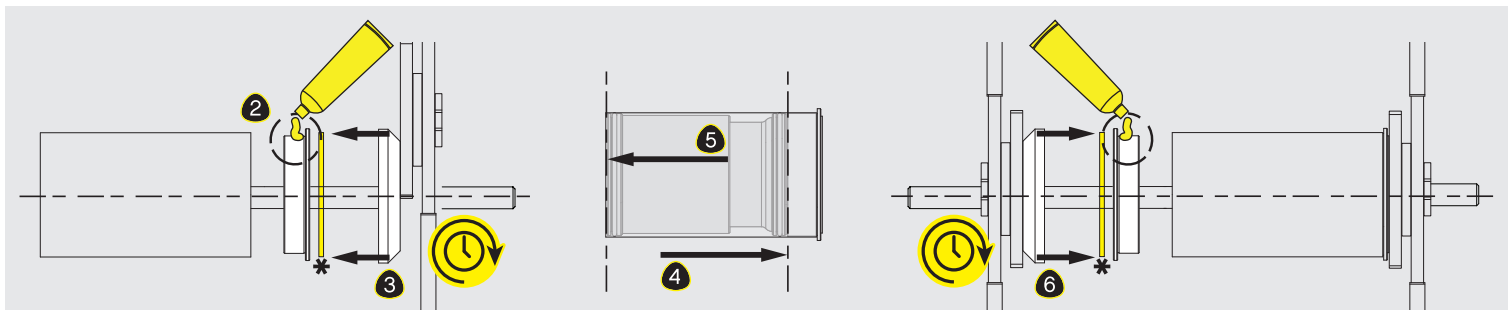
2) Install the crank arm bolt and tighten with a torque wrench to the proper torque setting. Riding with an under-torqued crank arm bolt may damage the crank.

3) Turn the APS adjuster counter clockwise to increase preload on the bottom bracket bearings. If you are unable to turn the adjuster at all, this is an indication that the bottom bracket may be installed incorrectly or the frame may be out of spec. Contact your local shop or support@bythehive.com.



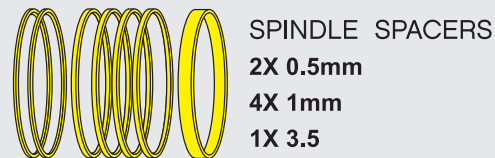
# BB92 INSTALLATION

- 1) Clean and inspect BB shell.
- 2) Consult frame manufacturer's recommendation for grease, and apply if recommended.
- 3) Using a bearing press, like the BBT-90.3 from Park Tool, press in drive-side bearing. Be sure to press only the outer bearing race to prevent damage to the bearing.
- 4) Insert centertube and press onto the drive-side bearing. Extend centertube so it is flush with the BB shell.
- 5) Press the non-drive side bearing in. This bearing should make contact with the centertube.
- 6) Install crankset (refer to spindle spacer configuration table below).



## SPINDLE SPACER TABLE\* BB92

Crankset	Spindle length	BB shell width	Non-drive side spacer	Drive side spacer
TRSR Carbon	123mm	68 or 73mm	0.5mm	0.5mm
TRS	113mm	92mm	0.5mm	0.5mm
XCX and 2015+ LG1	113mm	92mm	0.5mm	0.5mm
2014 and earlier LG1 only	113mm	92mm	1.5mm (1mm + 0.5mm)	4mm (3.5mm + 0.5mm)
TRS	113mm	89.5mm	0.5mm	3mm (3x 1mm)
TRSR Carbon	123mm	68 or 73mm		
XCX and 2015+ LG1	113mm	89.5mm	0.5mm	3mm (3x 1mm)
LG1 cranks	123mm	107mm	0.5mm	0.5mm
LG1r Carbon	138mm	107mm	0.5mm	0.5mm
TRS Fatbike (73mm offset)	145mm	121mm	2mm (2 x 1mm)	2mm (2x 1mm)
TRS Fatbike (78mm offset)	155mm	121mm	7mm (2 x 1mm + 5mm)	7mm (2x 1mm + 5mm)
TRS Fatbike (78mm offset)	155mm	132mm	1.5mm (1mm + 0.5mm)	1.5mm (1mm + 0.5mm)



\*Cranksets with "1 deg" marked on them are 2015+.



Questions? Contact us at support@bythehive.com or support.eu@bythehive.com  
All technical documents are located at www.bythehive.com/support