



M24 MTN CRANK

DIRECT MOUNT | STEEL 24/22 SPINDLE

SAFETY INFORMATION - READ BEFORE RIDE

Since specific tools and experience are necessary for proper installation, it is recommended that the product be installed by a qualified bicycle technician.

Read these crank service instructions carefully before installing it. Loose, worn or damaged parts may cause riding problems and serious injury may occur as a result. If installation and adjustments are not performed correctly, the chain may come off and this may cause you to fall off the bicycle which could result in serious injury. **Read these instructions carefully, and keep them for later use.**

- Be careful not to let your clothing get caught in the chain while riding, otherwise you may fall off the bicycle.
- Check that the chain tension is correct and that the chain is not damaged. If the tension is too weak or the chain is damaged, the chain should be replaced or else it may break and you may fall off the bicycle.
- Use a torque wrench to check the final tightening torque of the main crank bolt. Furthermore, after riding approximately 60 miles (100 km), use a torque wrench to re-check the tightening torques, including the chainring bolts. **Main Crank bolt = Torque 48-52Nm. Chainring Bolts = Torque 8-10Nm.**
- If the frame bottom bracket shell is not parallel, shifting performance will be affected and performance will drop.
- Check that there are no cracks in the crankarms before riding the bicycle. If there are any cracks, the crankarm may break and you may fall off the bicycle.
- Before riding the bicycle, check that there is no play or looseness in the bottom bracket connection. Also, be sure to retighten the crank, chainring bolts, and pedals at periodic intervals.
- If you feel any looseness or 'play' in the bearings, the bottom bracket should be inspected/replaced.
- To ensure the designed performance, only use 10, 11 or 12 sp* chains (*for 12 sp use SRAM Eagle chain only).
- **Parts are not guaranteed against natural wear or deterioration resulting from normal use.**
- For any questions regarding methods of installation, adjustment, maintenance or operation, please contact a professional bicycle dealer or call Praxis Works.
- Praxis Works assumes no responsibility for damages or injury related to improperly installed components.

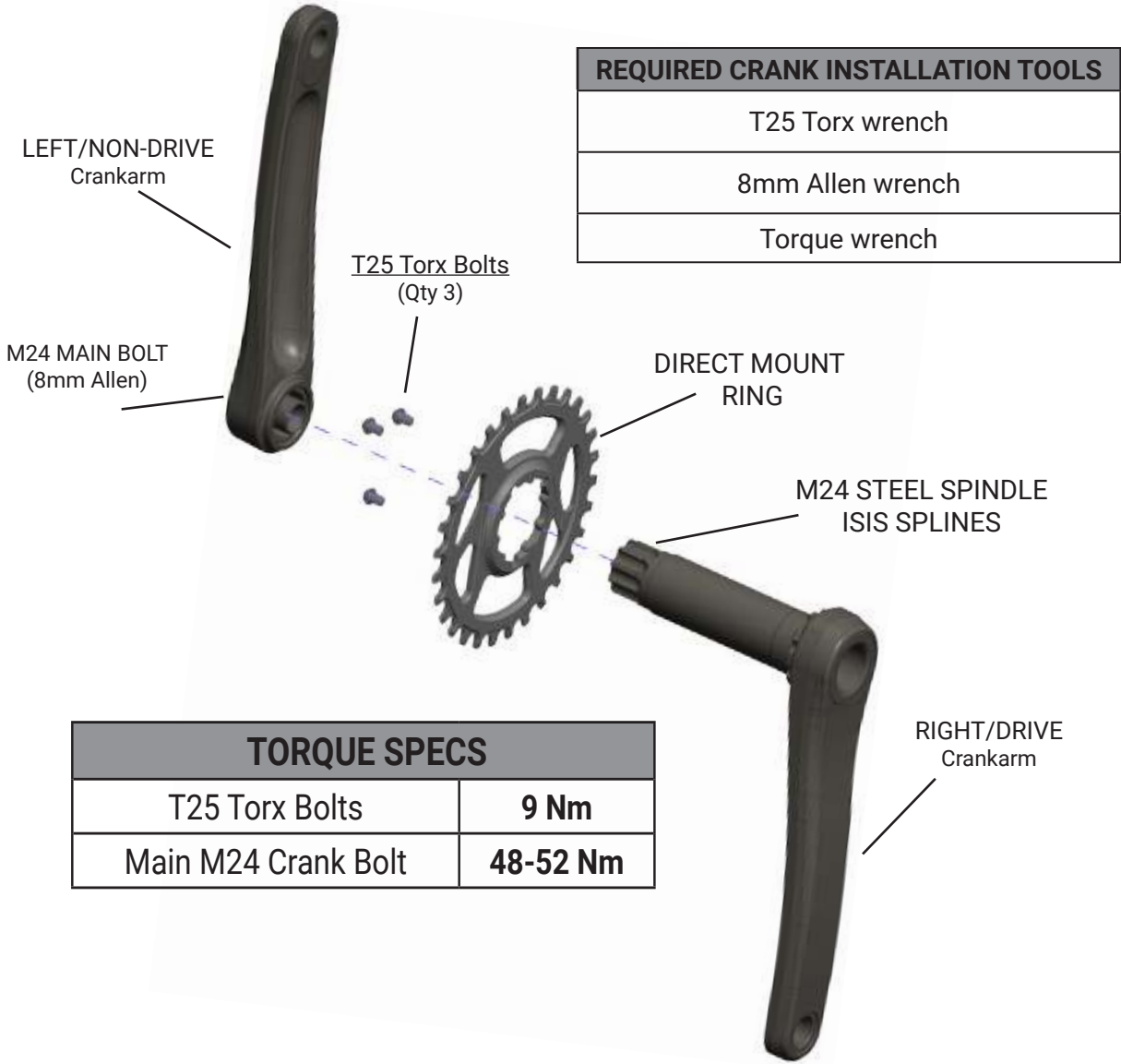
READ THE STEP BY STEP INSTALLATION INSTRUCTIONS PROVIDED ON THE OTHER SIDE.

WARRANTY

- Praxis Works products are warrantied to be free from defects in materials or workmanship for two years after original purchase. The warranty is non-transferable and valid to the original purchaser of the product only.
- Any attempt to modify the product in any way such as drilling, grinding or painting will void the warranty.
- This warranty is not valid for "abused" or neglected products, or products that are damaged by improper installation.
- If a defect is found, our entire liability and your sole remedy shall be, at our option, free repair or replacement of the Praxis product.
- Except as expressly required by law, Praxis Works shall not be held liable for any indirect, special, or consequential damages.

THIS WRITTEN EXPRESS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, IMPLIED OR EXPRESSED. This warranty gives you specific legal rights, and you may also have other rights which vary state to state. **For more information on warranty policy and instructions for completing a warranty claim, check out the Full Warranty Policy found at our website. www.praxis-works.com**

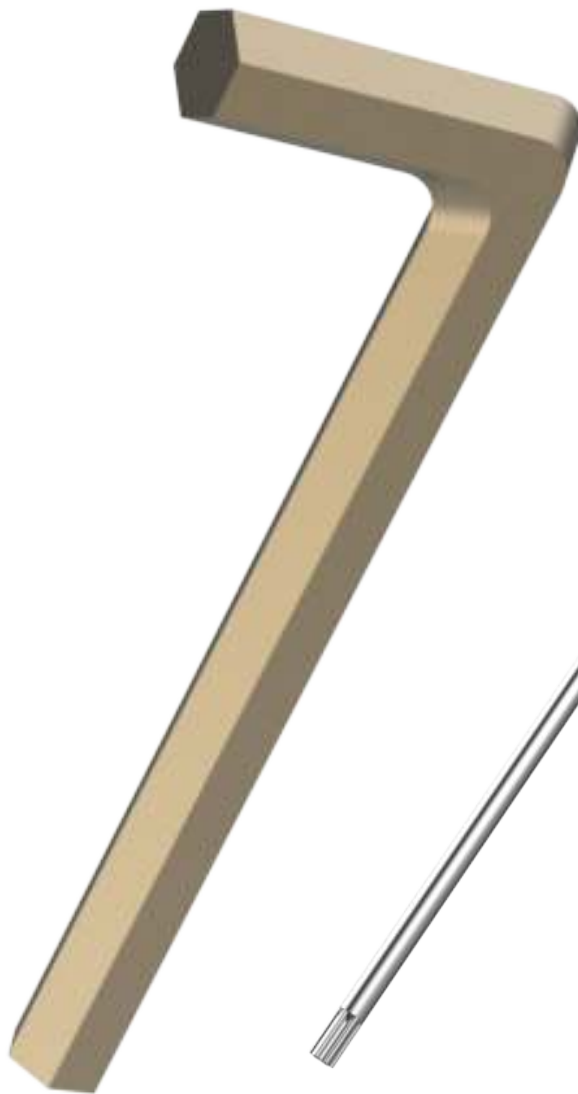
M24 MTN Direct Mount Compatibility and Spec	
BOTTOM BRACKET	M24 BBs - 73mm BSA, 73mm BB30/PF30, BB90/92
GEARING	30, 32, 34, 36
CRANKARM LENGTH	165, 170, 175



TOOLS REQUIRED



8mm



T25



**TORQUE
WRENCH**



T25

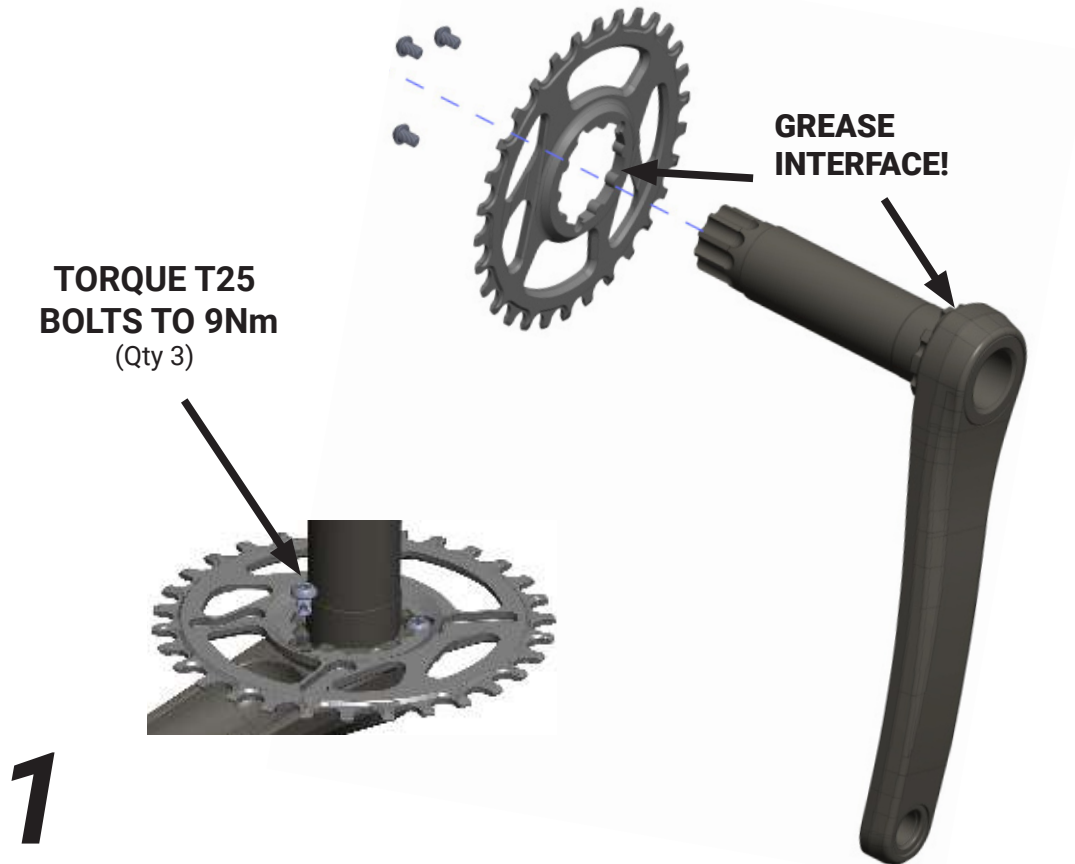


8mm

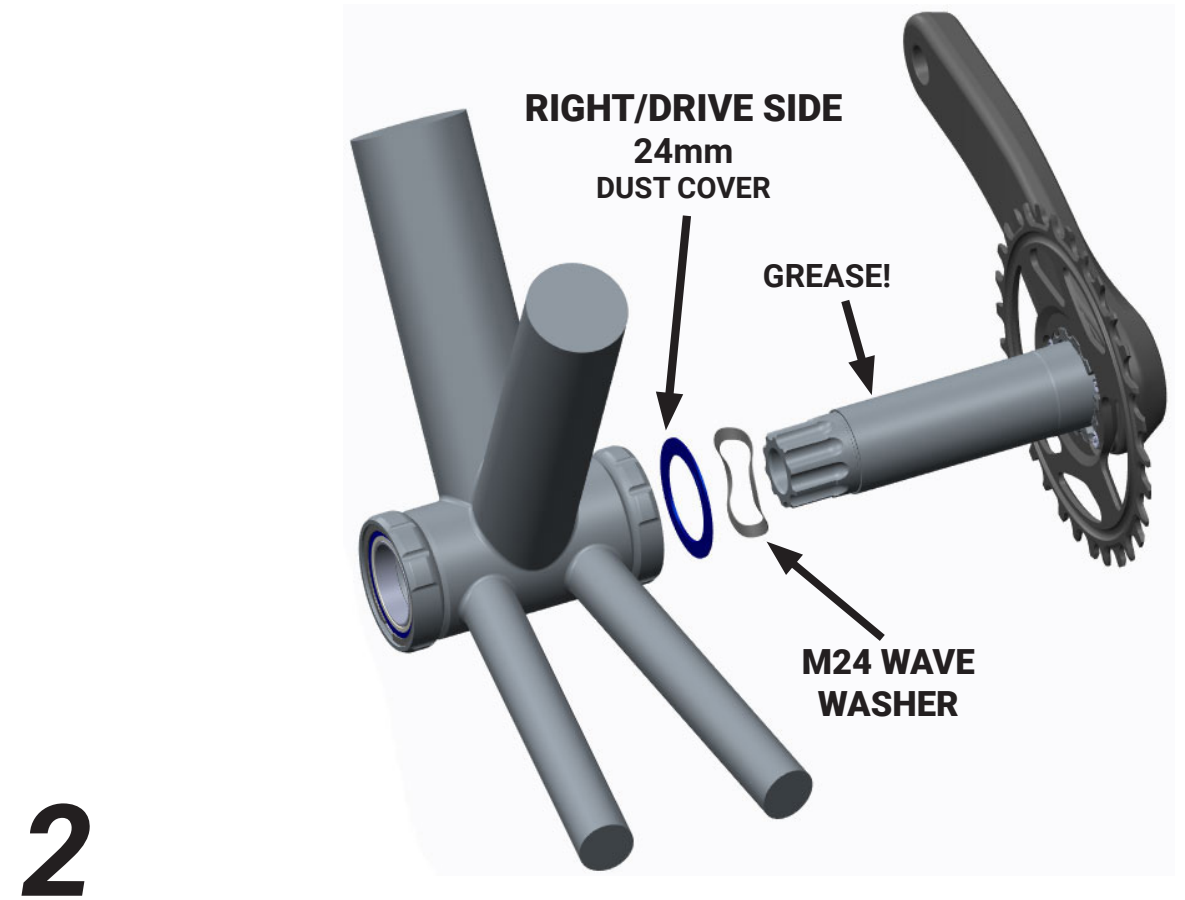
CRANK INSTALLATION

BEFORE YOU START, READ THIS:

- Your Praxis **M24 bottom bracket** (*sold separately*) must be installed in frame
- Use **M24 BB Dust Covers** and Wave Washer that came with M24 bottom bracket - *SEE GUIDE ON LAST PAGE!*
- For M24 bottom bracket instructions : www.praxiscycles.com/manuals



1. Grease Direct Mount Ring /Drive arm interface
2. Install ring on drive arm with 3 T-25 bolts
3. Torque bolts to 9Nm

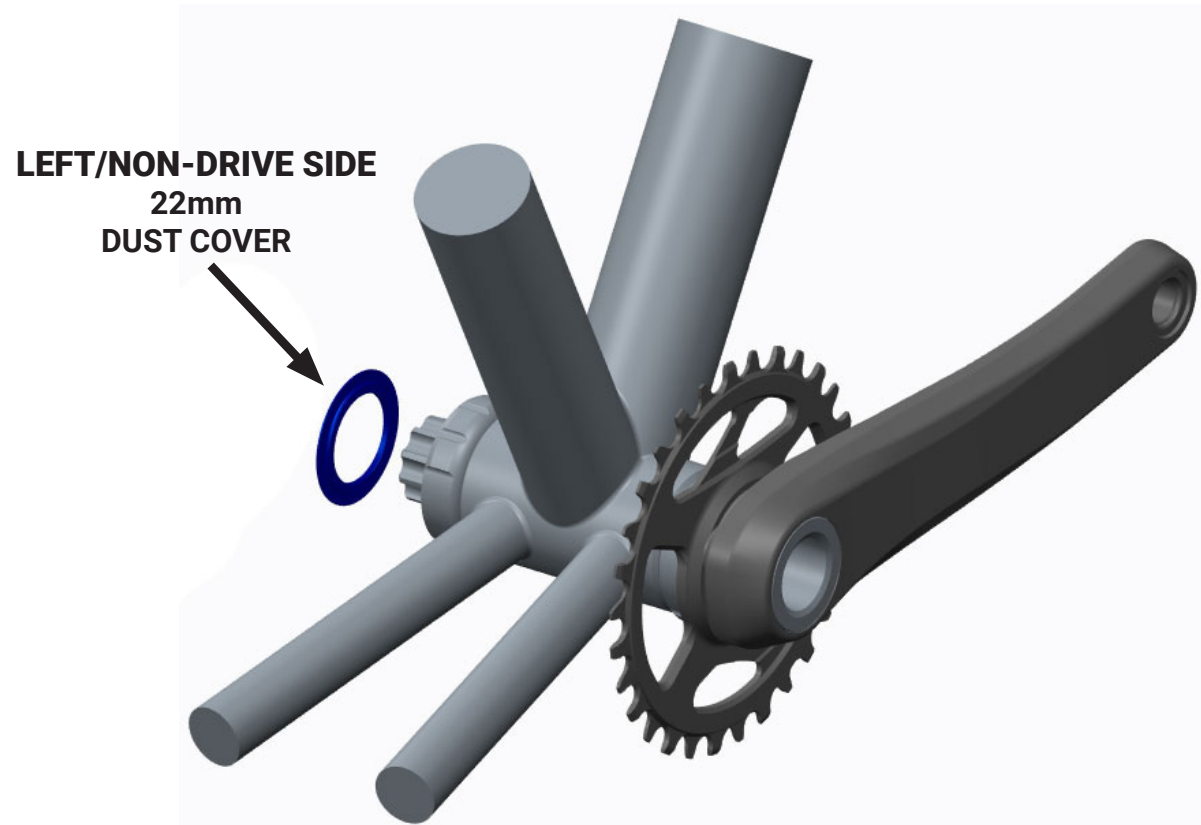


1. Grease the steel M24 spindle
2. Slide Wave Washer onto spindle
3. Slide the correct 24mm Dust Cover onto spindle (see guide)
4. Verify Dust Cover Praxis logos face ring

Continued next page.....

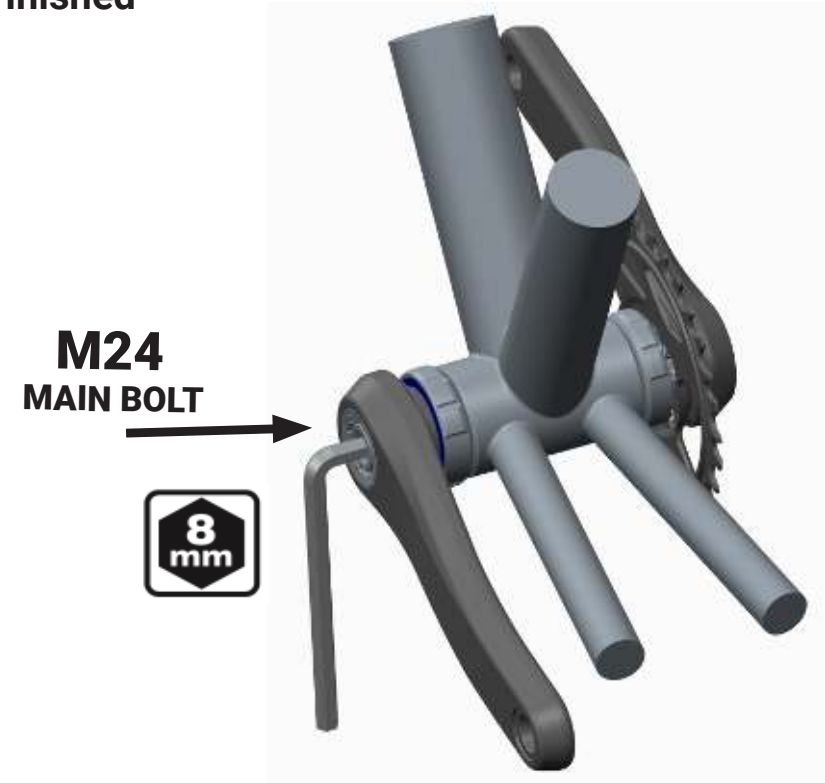
3

1. Insert crank into Drive Side Cup
2. Push crank fully through bottom bracket
3. Put correct 22mm Non-Drive Side Dust Cover onto spindle *(see guide)*
4. Verify Dust Cover Praxis logos face outward



4

1. Install Non-Drive Side arm with 8mm Allen wrench
2. Torque arm 8mm main bolt to 48-52Nm
3. Verify crank spins freely.
4. Finished



* SIMPLE CRANK REMOVAL *

ONLY use an **8mm** Allen wrench in the Non-Drive Side crankarm bolt. Turn wrench counterclockwise to loosen the bolt. After it loosens the resistance will increase, which is normal, as it is self-extracting. Keep turning to complete removal of crankarm. Once off, remove the crank from the frame.

CHAINLINE GUIDE

GEN1

OLDER PRAXIS MTN CRANKS

THE OLDER GEN1 MTN CRANKS HAD DIFFERENT SPACING.

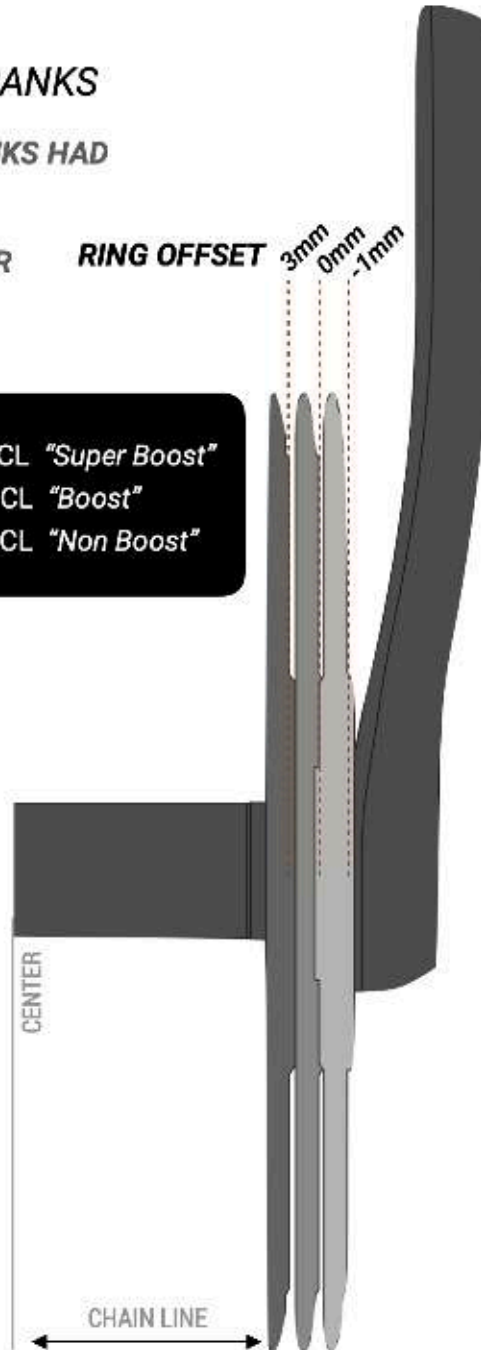
FOLLOW THESE OFFSETS FOR CORRECT CHAINLINES

RING OFFSET

3mm
0mm
-1mm

-1mm "DMC" OFFSET = 56MM CL "Super Boost"
0mm "DMB" OFFSET = 52MM CL "Boost"
3mm "DMA" OFFSET = 49MM CL "Non Boost"

VISUAL REFERENCE
GEN1 MTN CRANK GRAPHICS



NEW GEN2

PRAXIS MTN CRANKS

RING OFFSET

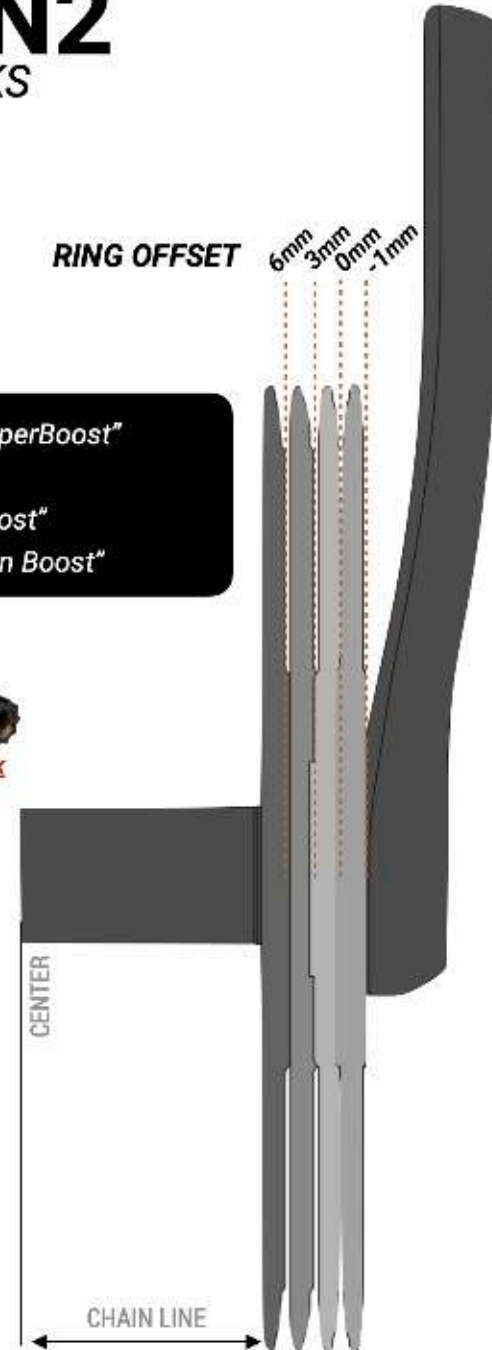
6mm
3mm
0mm
-1mm

-1mm OFFSET = 56MM CL "SuperBoost"
0mm OFFSET = 55MM CL
3mm OFFSET = 52MM CL "Boost"
6MM OFFSET = 49MM CL "Non Boost"



IDENTIFIER - THIS CL GUIDE DECAL IS ON **BACK** OF ALL GEN2 PRAXIS MTN DRIVE ARMS!

VISUAL REFERENCE
GEN2 MTN CRANK GRAPHICS



BB DUST COVER GUIDE

MTN M24	WIDTH	M24 CRANK	LEFT 22MM COVER	LEFT CUP SPACER	RIGHT CUP SPACER	RIGHT 24MM COVER
BSA	68	GEN1 MTN DM	1.7mm	2.5	2.5	2mm
		GEN1 MTN NON-DM	1.7mm	2.5	2.5	3.7mm
		GEN2 MTN DM	1.7mm	2.5	2.5	3.7mm
		SRAM MTN GxP	1.7mm	2.5	2.5	3.7mm
	73	GEN1 MTN DM	1.7mm	-	-	2mm
		GEN1 MTN NON-DM	1.7mm	-	-	3.7mm
		GEN2 MTN DM	1.7mm	-	-	3.7mm
		SRAM MTN GxP	1.7mm	-	-	3.7mm
T47 E.B.	73	GEN1 MTN DM	1.7mm	-	-	1mm
		GEN1 MTN NON-DM	1.7mm	-	-	3.7mm
		GEN2 MTN DM	1.7mm	-	-	3.7mm
		SRAM MTN GxP	1.7mm	-	-	3.7mm
T47 I.B.	89.5	GEN1 MTN DM	1.7mm	-	-	2mm
		GEN1 MTN NON-DM	1.7mm	-	-	3.7mm
		GEN2 MTN DM	1.7mm	-	-	3.7mm
		SRAM MTN GxP	1.7mm	-	-	3.7mm
BB90	89.5	GEN1 MTN DM	1.7mm	-	-	3.7mm
		GEN1 MTN NON-DM	1.7mm	-	-	6.8mm
		GEN2 MTN DM	1.7mm	-	-	6.8mm
		SRAM MTN GxP	1.7mm	-	-	6.8mm
BB92	92	GEN1 MTN DM	1.7mm	-	-	2mm
		GEN1 MTN NON-DM	1.7mm	-	-	3.7mm
		GEN2 MTN DM	1.7mm	-	-	3.7mm
		SRAM MTN GxP	1.7mm	-	-	3.7mm
BB30/PF30	73	GEN1 MTN DM	1.7mm	-	-	2mm
		GEN1 MTN NON-DM	1.7mm	-	-	3.7mm
		GEN2 MTN DM	1.7mm	-	-	3.7mm
		SRAM MTN GxP	1.7mm	-	-	3.7mm

“DM” = DIRECT MOUNT SPIDER (Removable Spider)

“NON-DM” = NOT DIRECT MOUNT SPIDER (Pressed-On or integrated Spider)