

DOON ROAD CRANK

DIRECT MOUNT SPIDER | ALLOY 30/30 SPINDLE
X-SPIDER / 1X DM RINGS

SAFETY INFORMATION - READ BEFORE RIDE

Specific tools and experience are necessary for proper installation. It is recommended that the product be installed by a qualified bicycle technician.

Read the service instructions of your crank carefully prior to installing. Loose, worn or damaged parts may cause riding problems and serious injury may occur as a result. If installation and adjustments are not carried out 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 tension of the chain 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. The chain may break and you may fall off the bicycle if this is not done.
- Use a torque wrench to check the final tightening torque of the main crank bolt and chainring bolts. Furthermore, after riding approximately 100 km (60 miles), use a torque wrench to re-check the tightening torques. Main Crank bolt = **Torque 48-52nm**. Chainring Bolts = **Torque 8-10nm**.
- If the bottom bracket shell is not parallel, shifting performance will be affected.
- 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 12sp chains.
- **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.

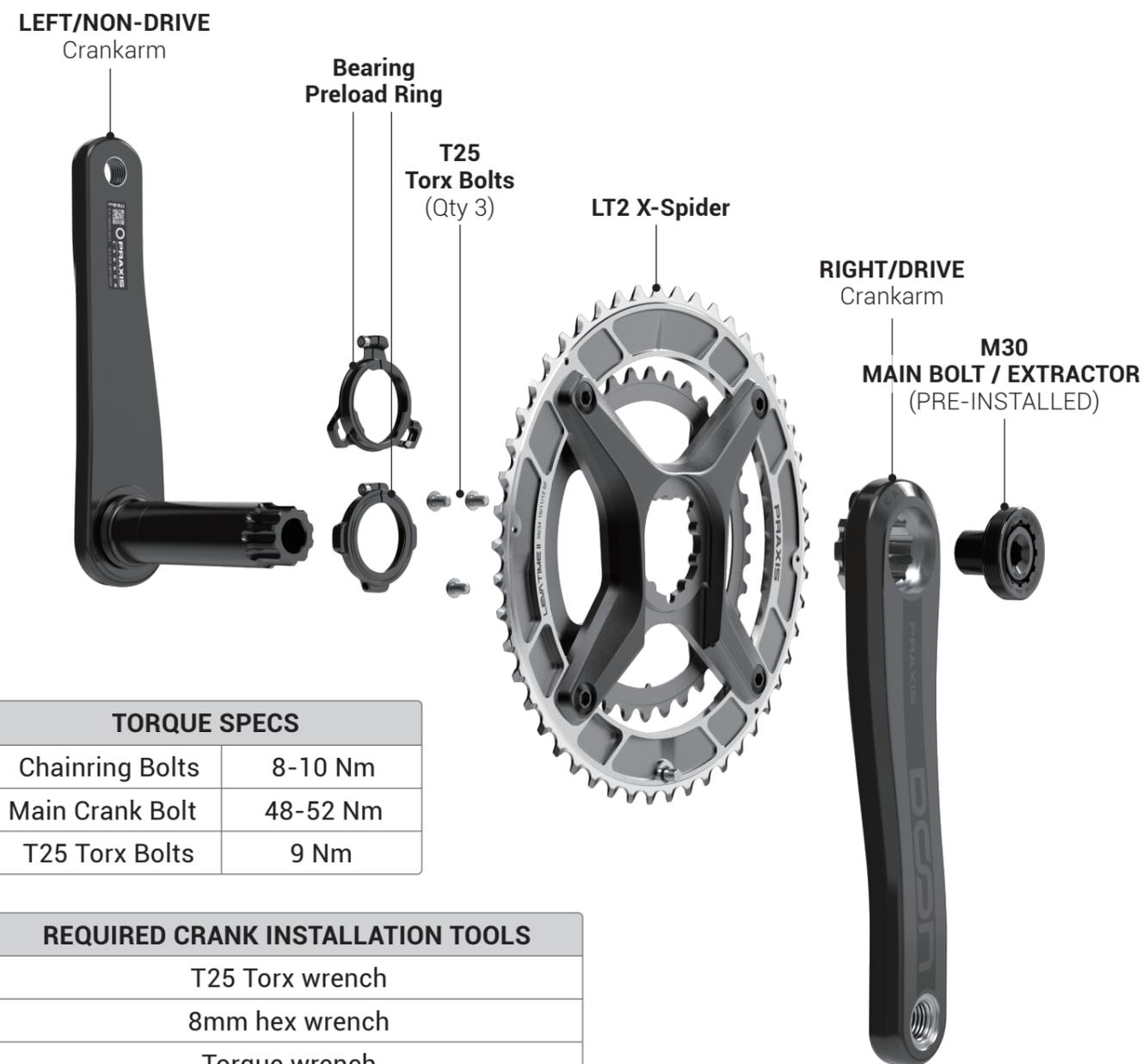
WARRANTY

- **Praxis Works products are warranted 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**

DOON Compatibility and Spec

BOTTOM BRACKET	M30-THRU BB = 68mm BSA, 68mmBB30/PF30, BB86, 386EVO, BBRright, T47	
FRONT DERAILLEUR	Braze-on or Clamp-on	
OPTIONAL GEARING	48/32, 50/34, 52/36, 53/39	36T - 50T
BCD	LT2 X-SPIDER 160/104	DM-1X
CRANKARM LENGTH	165, 170, 172.5, 175	
CHAIN	10, 11 or 12SP (No Campy for 1X)	



TORQUE SPECS

Chainring Bolts	8-10 Nm
Main Crank Bolt	48-52 Nm
T25 Torx Bolts	9 Nm

REQUIRED CRANK INSTALLATION TOOLS

T25 Torx wrench
8mm hex wrench
Torque wrench
2.5mm Allen wrench

TOOLS REQUIRED

Tools Needed

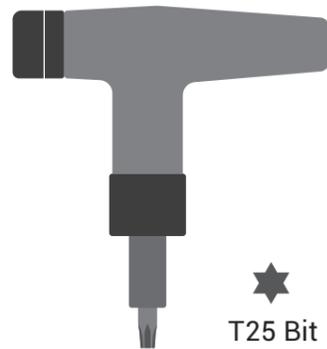
- 1 Grease
- 2 2.5mm Allen Key
- 3 Torque Wrench w/ T25 Bit
- 4 Torque Wrench w/ 8mm Bit



1

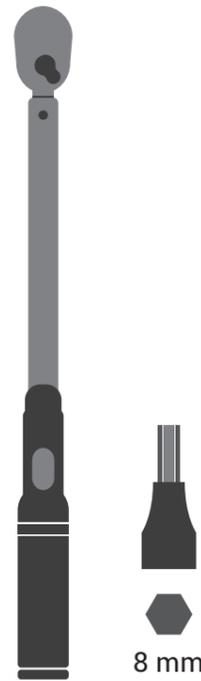


2



T25 Bit

3



8 mm

4

CRANK INSTALLATION

BEFORE YOU START, READ THIS:

- Your Praxis **M30-THRU bottom bracket** (Sold Separately) **must be installed in frame.**
- Use BB Dust Covers that came with **M30-THRU** bottom bracket.
- For bottom bracket instructions : www.praxiscycles.com/manuals

1. Grease Direct Mount X-spider / Drive arm interface.
2. Install Spider / Ring on Drive arm with **three (T-25 Bolts)**.
3. Torque bolts to **9Nm**.

1X SETUP



2X SETUP



CRANK INSTALLATION

1. Important: Choose Correct Preload Ring for your specific M30 - THRU BB (SEE VISUAL BELOW).
2. Grease preload ring and the spindle.
3. Hand tighten the preload ring against the crankarm.



LARGE RING MUST USE WITH :

- M30 - THRU 386EVO
- M30 - THRU BBRight
- M30 - THRU T47IB
- M30 - THRU T47 Asym

SMALL RING MUST USE WITH :

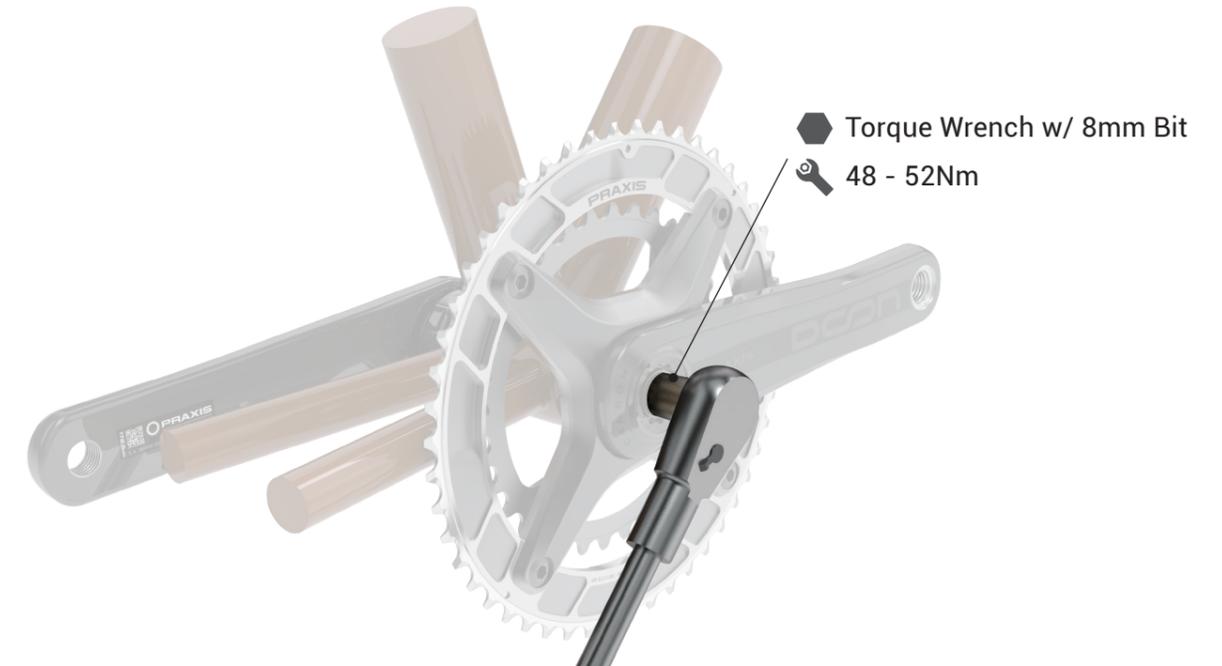
- M30 - THRU BSA
- M30 - THRU BB86/90/92
- M30 - THRU BB30/PF30
- M30 - THRU T47EB

1. Insert the LEFT / NON-DRIVE crankarm with spindle through the BB.
2. Be sure the Praxis Dust Cover logos are facing out.



CRANK INSTALLATION

1. Grease spindle splines and main crank bolt.
2. Using an 8mm Allen hex torque wrench, attach the RIGHT/DRIVE crankarm.
3. Torque to 48 - 52 Nm.



1. With main crank bolt torqued, hand tighten preload ring to tune bearing play / preload.
2. Once preload is set, snug pinch bolt with 2.5mm Allen wrench to secure preload until no gap on ring exists.



CROSS CHAINING SMALL/SMALL

When the chain is in the black / black position show (Right), the chain may contact the chainrings or front derailleur and make noise. If the noise is a problem, shift the chain onto one of the next larger rear sprockets.



* CRANK REMOVAL *

Insert 8mm hex wrench in to RIGHT/DRIVE crankarm bolt. Turn wrench **"COUNTERCLOCKWISE"** to initially loosen the bolt. After it loosens the resistance will increase, which is normal. Just keep turning to complete removal of RIGHT/DRIVE crankarm. Then you can remove the LEFT/NON-DRIVE crankarm with spindle from the frame.

BB DUST COVER GUIDE

ROAD M30-THRU	WIDTH	M30-THRU CRANK	LEFT 30MM COVER	LEFT CUP SPACER	RIGHT CUP SPACER	RIGHT 30MM COVER
BSA	68	DOON	Preload Ring Only	-	-	3mm
		DOON-GR	Preload Ring Only	-	-	6mm
		OTHER BRAND	2mm	-	-	2mm
T47 E.B.	68	DOON	Preload Ring Only	-	-	3mm
		DOON-GR	Preload Ring Only	-	-	6mm
		OTHER BRAND	2mm	-	-	2mm
T47 I.B.	85.5	DOON	Preload Ring Only	-	-	3mm
		DOON-GR	Preload Ring Only	-	-	6mm
		OTHER BRAND	2mm	-	-	2mm
T47 Asym	76.75	DOON	Preload Ring Only	-	-	3mm
		DOON-GR	Preload Ring Only	-	-	6mm
		OTHER BRAND	2mm	-	-	2mm
BB86	86.5	DOON	Preload Ring Only	-	-	3mm
		DOON-GR	Preload Ring Only	-	-	6mm
		OTHER BRAND	2mm	-	-	2mm
386EVO	86.5	DOON	Preload Ring Only	-	-	3mm
		DOON-GR	Preload Ring Only	-	-	6mm
		OTHER BRAND	2mm	-	-	2mm
BB30/PF30	68	DOON	Preload Ring Only	-	-	3mm
		DOON-GR	Preload Ring Only	-	-	6mm
		OTHER BRAND	2mm	-	-	2mm
BBRight	79	DOON	Preload Ring Only	-	-	3mm
		DOON-GR	Preload Ring Only	-	-	6mm
		OTHER BRAND	2mm	-	-	2mm