



# M24 MTB CRANK

STANDARD SPIDER

Models - M24 Girder and M24 Cadet

## 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 the service instructions of your crank carefully prior to installing the parts. 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 chairing bolts. Furthermore, after riding approximately 100 km (60 miles), use a torque wrench to re-check the tightening torques. **Main Crank bolt = Torque 48-55Nm. Chairing Bolts = Torque 8-10Nm.**
- If the bottom bracket shell is not parallel, shifting performance will be affected and performance will drop.
- Check that there are no cracks in the crank arms before riding the bicycle. If there are any cracks, the crank arm 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, chain ring 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 or 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 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](http://www.praxis-works.com)**

## Required Installation Tools

M24 BSA BB	One Shimano or Sram BB Tool and 3/8" Drive Ratchet
M24 BB90/92	BB/Headset Press Tool
M24 CONVERSION BB	Two Shimano or Sram BB Tools and 3/8" Ratchet and BB/Headset Press Tool

## INSTALLATION

See BB Instructions for the proper dust cover setup for your crank

### 1 Slide the Drive side 24mm ID Wave Washer onto the spindle.

Next slide on the 30mm ID Drive Side dust cover with the Praxis wordmark facing out/away from the frame.

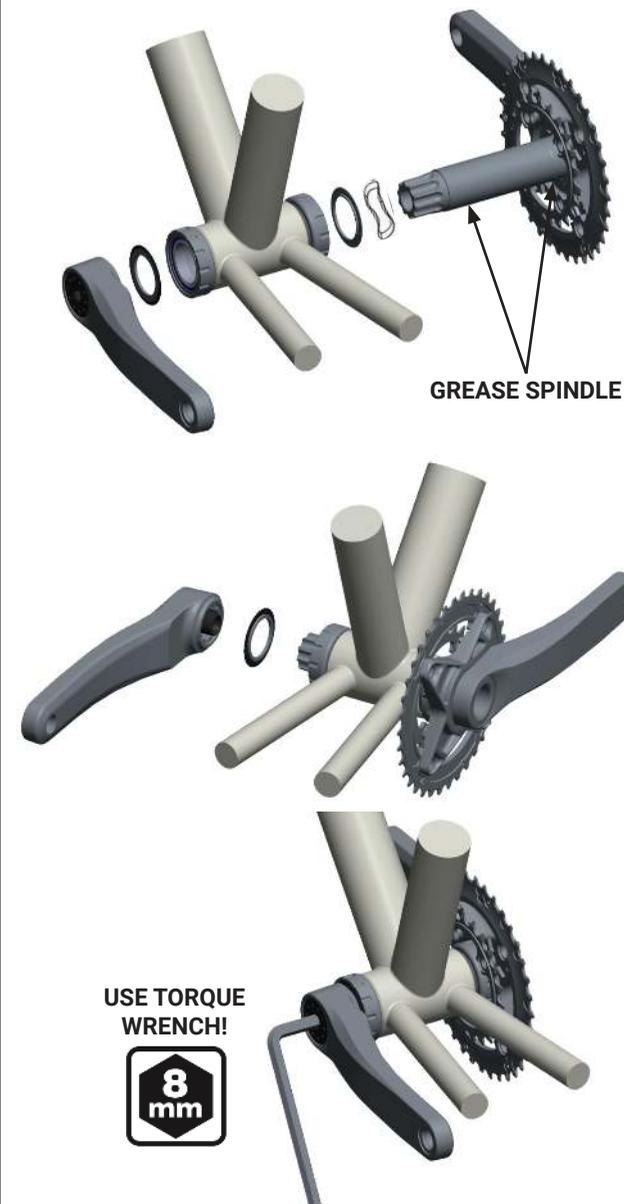
Now grease the spindle and insert the crankset into the Drive cup and push spindle through bottom bracket.

### 2 Slide the 22mm ID Non-Drive Side dust cover onto the spindle, with the Praxis wordmark side facing out/away from the frame.

### 3 Use an 8mm hex torque wrench and tighten the Non-Drive crankarm bolt to 48-55Nm.

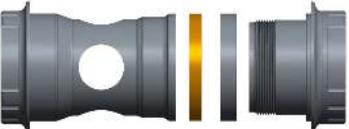
Spin crank to make sure it moves freely.

Your installation is now complete.

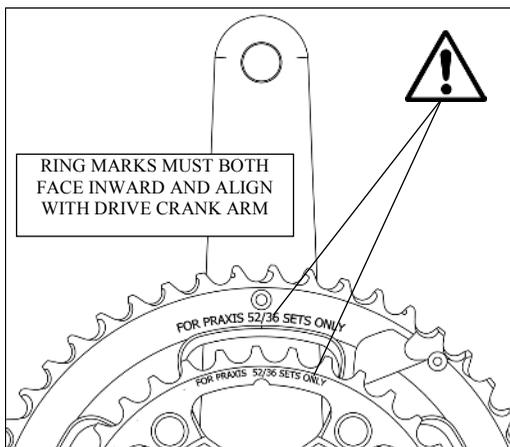
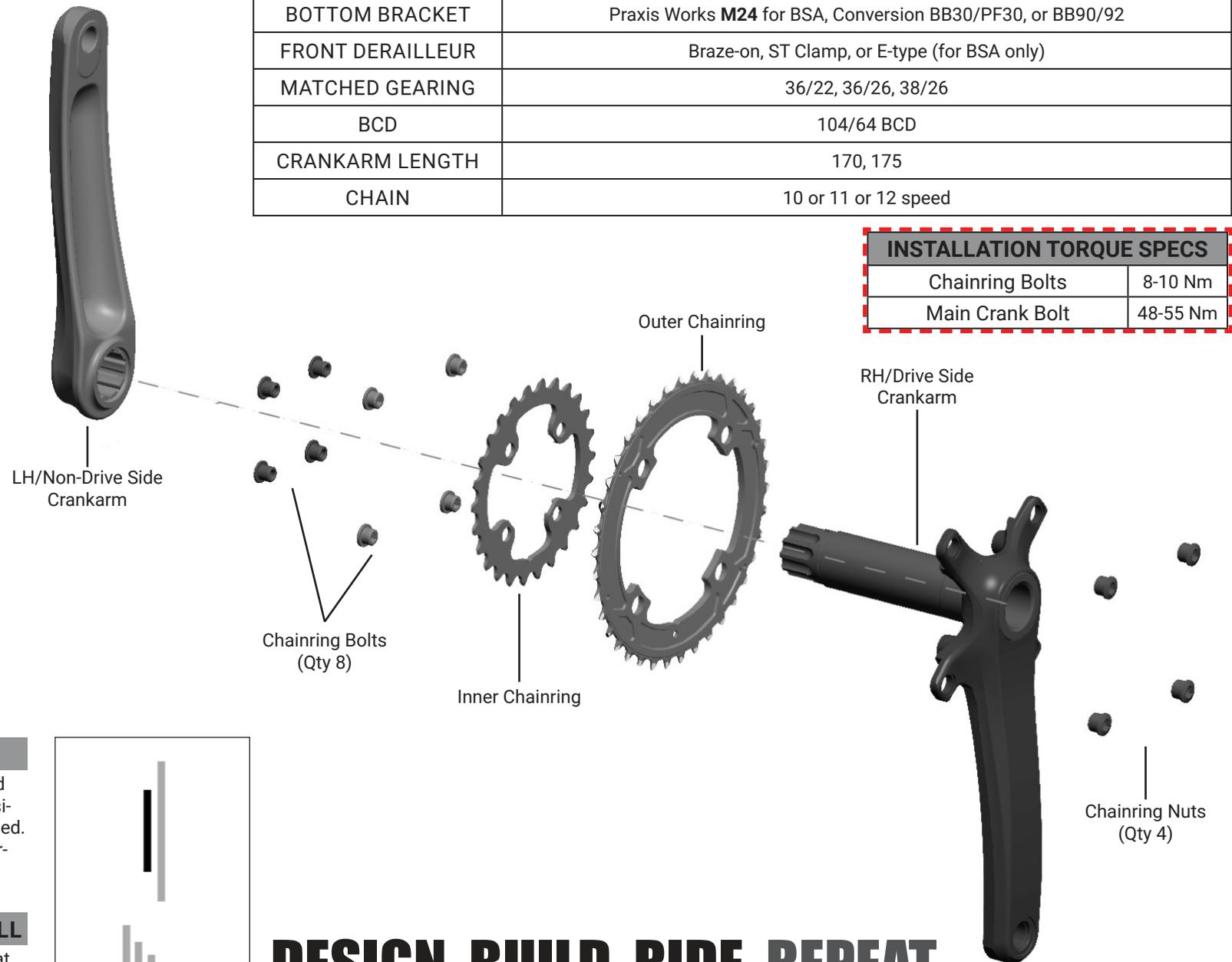


USE TORQUE WRENCH!



NDS COVER (22mm ID)	M24 BB TYPE	DS COVER (24mm ID)
	 M24 68/73mm BSA (68-0301)	
	 M24 73mm PF30/BB30 (73-3201R)	 3.7mm Dust Cover + Wave Washer
 1.7mm C-Clip Dust Cover	 M24 BB92 (86-0301)	
	 M24 BB90 (86-0301)	 6.8mm Dust Cover + Wave Washer

M24 Standard MTB Compatibility and Spec	
BB SHELL	68/73mm BSA 73mm BB30/PF30 BB90/92
BOTTOM BRACKET	Praxis Works <b>M24</b> for BSA, Conversion BB30/PF30, or BB90/92
FRONT DERAILLEUR	Braze-on, ST Clamp, or E-type (for BSA only)
MATCHED GEARING	36/22, 36/26, 38/26
BCD	104/64 BCD
CRANKARM LENGTH	170, 175
CHAIN	10 or 11 or 12 speed



### CHAINRING INSTALLATION

The Praxis Works chainrings are matched sets and smooth shifting will not be possible if the chainrings are incorrectly installed. Be sure to install the chainrings in the correct positions as the graphic shows.

### CROSS GEARING SMALL/SMALL

When the chain is in the position shown at the right, the chain may contact the front chainrings or front derailleurs and make noise. If the noise is a problem, shift the chain onto the next-larger rear sprocket or the one after.



**DESIGN. BUILD. RIDE. REPEAT.**

