XD 1-ER Fitting Instructions

Parts included:
Steel Splined Flat Sided Spacer
Threaded Cog Carrier
3mm Cog Spacer
16t 6-bolt Cog (other sizes available separately)
6x T25 Torx bolts

Tools required:
T25 Torx Key with 6.2Nm setting
40mm Headset Spanner (for removal)
Chain Whip (for removal)

Installation:

1) Assemble Threaded Cog Carrier, 3mm Cog spacer, 16t cog and 6 bolts

Note:
For 49mm non-boost chain line, 3mm Cog Spacer must be installed outside cog in the following order:

Threaded Cog Carrier
16t cog
3mm Cog spacer
6 bolts (at 6.2Nm)

For 51mm boost chain line 3mm Cog Spacer must be installed between Threaded Cog carrier and cog in the following order:

Threaded Cog Carrier
3mm Cog spacer
16t cog
6 bolts (at 6.2Nm)

Warning: 3mm spacer *must* be used in all set up applications.

2) Clean and inspect XD driver body, apply light grease to threads
3) Install Splined Flat Sided Spacer onto splines closest wheel spokes
4) Using hand tightening only, instal Threaded Cog Carrier assembly onto XD driver body threads. Fit wheel as per frame/wheel manufacturer's instructions with chain fitted.
5) Check chain line of chain between XD 1-ER cog and front chain ring.

Note:
Chain line adjustment may be required for correct fit, please check your frame chain line specification.

6) Tension chain appropriately.

7) Using significant pedalling force with chain fitted to the XD 1-ER cog in a safe to do area, Threaded Cog Carrier will tighten under normal riding conditions. Otherwise 40Nm is the recommended fitment torque. Your XD 1-ER is fitted.

Note:
Carrier tightens to Flat Sided Spacer supplied in step 3 to prevent threads stripping

Removal:

1) Using 40mm headset spanner, available from all good bike shops. Hold steel Flat Sided Spacer to prevent XD driver body from rotating.
2) Using chain whip, rotate and undo Threaded Cog Carrier assembly from the XD Driver Body in a counter clockwise direction.

Note:
After sustained riding the Threaded Cog Carrier will be very tight. You may require additional force to undo and remove.

3) Remove Splined Flat Sided Spacer.