



## TECHNICAL BULLETIN #3

### 2024 TORQUE & CADENCE SENSORS B.B. SET / TORG2E MODEL

Most of our 2024 models are equipped with a Bottom Bracket set (B.B. set) that includes both torque & cadence sensors. The list of models includes: 2024 Lynx Plus, Lynx Cargo, Explorer Plus, Trax LT & Trax 15/500. The removal of this B.B. set for servicing of the bike or replacement needs to follow a specific procedure in order to not damage and rip the wire connecting to the main wire harness.

B.B. set picture:



Disassembly:

1. After removing the crankarms and chainwheel (reversed threaded chainwheel lock nut), always remove the right-hand side cup first. Do not remove from the left-hand side cup first. The left-side cup is locked into the B.B. set body and will rip the wire out if undone counterclockwise, while the right-side cup is not and spins freely around the B.B. set body. You can use a Park Tool wrench # BBT-9 for removal (16-spline cups).

Chainwheel Removal & Tool



Right-Side Cup



Left-Side Cup



Right side Cup Removal / 1



Right Side Cup Removal / 2



Right Side Cup Removal / 3



2. Once the right-side cup is removed, slide the B.B. set out from the right side of the bike and be careful not to damage the wire. Pull the B.B. set out with its wire attached and unplug it at the connection with the main wire harness as it comes out. You can now fully remove the B.B. set on that right side (only if needed by unthreading it counterclockwise).

**Left-Side Cup Locked w/ BB set body**



**B.B. set Removal / Wire unplugged**



3. We advise not to touch the BB set unless it absolutely needs to be replaced. The tightening of the cups as simple maintenance needs to be done very carefully, and the left-side cup should never be tightened or undone without the B.B. set being removed half-way through the right side (disengaged from the left-side cup).
4. For re-assembly, reverse the procedure, first reinstall the left side cup by threading it clockwise, then re-connect the BB set to its controller wire, lodge this connector into the down tube through the forward BB shell hole, slide the wire in above the BB set and engage its core straight from the right side through the BB shell and the left-side cup (which stays locked in place). The right-side cup and its driver need to be in place before re-inserting the BB set into the BB shell. The B.B. set and its right-side cup are then ready to be re-inserted and tightened counterclockwise. The B.B. set will slide in place into the left-side cup.

**Right Side Cup & B.B. Set Re-insertion / B.B. Set Splines and Driver are Lined Up and in Contact.**



5. In some cases, if the B.B. set wire cannot be gently pulled / removed and its plug is not accessible through the B.B. shell, it will be necessary to remove the battery, the lower battery mount and the controller located beneath to access that wire and its plug for disconnection and re-installation.
6. We will supply an update to point #5 ASAP.

Thanks for your attention to this issue.