K46002 Lithium 3.0 Frame Rebuild Kit

K46002
Lithium 3.0 frame rebuild kit

This kit fits:
2004: Lithium 3.0

CAUTION: K2 Bike strongly recommends that this rebuild kit be installed by a K2 Bike dealer, or other qualified technician. Improperly installed rebuild kits can be extremely dangerous and can result in failure during use and may cause severe injury.

QTY	Part#	Description
2	28-5027-0-L	Screw, M6 x 1.0 x 20 FHCS
1	28-9005-Z	Screw, M6 x 1.0 x 92 SHCS
1	28-9005-H-L	Screw, M8 x 1.25 x 35 SHCS
1	28-5008-5	Screw, M8 x 1.25 x 53 SHCS
1	28-9005-L	Screw, M8 x 1.25 x 64 SHCS
1	28-3000-7	Washer Ø16 x Ø6.2 x 1.0
1	28-3000-4	Washer Ø16 x Ø8.5 x 1.0
1	28-9078-7	Axle Ø8mm x 42mm + screw M6 x 1.0 12 BHCS
2	28-8165-1	Pivot spacer, dropout inner
1	28-8241-0	Pivot spacer, seatstay inner
1	28-9130-9	Pivot spacer, linkage inner
2	28-8239-0	Pivot spacer, seatstay outer
2	28-9016-H	Pivot spacer, linkage outer
1	28-9088-0	Pivot axle, main pivot left and right
2	28-9038-8	Cartridge bearing Ø19 x Ø8 x 6.0
2	28-9038-B	Cartridge bearing Ø22 x Ø10 x 6.0
2	28-9016-7	Bushing, flanged
4	28-9023-3	Bushing, flanged

Torque	Part#	Description
100 in-lbs	28-9078-7	Axle Ø8mm x 42mm + screw
100 in-lbs	28-5027-0-L	Screw, M6 x 1.0 x 20 FHCS
120 in-lbs	28-9005-Z	Screw, M6 x 1.0 x 92 SHCS
150 in-lbs	28-9005-H-L	Screw, M8 x 1.25 x 35 SHCS
260 in-lbs	28-5008-5	Screw, M8 x 1.25 x 53 SHCS
260 in-lbs	28-9005-L	Screw, M8 x 1.25 x 64 SHCS

Note: It is highly recommended that you download the exploded view drawing of the 2004 Lithium 3.0 from the tech library at **www.k2bike.com** before you start working on your bike.

Seatstay pivot assembly
1. Remove the pivot spacers from the bearings by carefully prying them out of the bearings.
2. Clamp the seatstay in a vice.Take care not to damage the paint and use an 8mm sized dowel and a plastic hammer to remove the bearing from one side.
3. Now use a 14mm sized dowel to remove the remaining bearing from the seatstay.
4. Lightly grease the pivot bore and press one bearing in place until flush.
5. Use two short M6 screws to line up the remaining bearing with the inner pivot spacer and the installed bearing, now press the remaining bearing in place until flush. (See illustration)
6. Install the seatstay main pivot bolt and tighten to 120 in-lbs.

Linkage pivot assembly
1. Remove the linkage plates from the frame.
2. Remove the pivot spacers from the bearings by carefully prying them out of the bearings.
3. Use a 10mm sized dowel and a plastic hammer to remove the bearing from one side.
4. Now use a 12mm sized dowel to remove the remaining bearing from the frame.
5. Lightly grease the pivot bore and press one bearing in place until flush.
6. Use the same procedure as for the seatstay assembly to line up the inner spacer with the bearings, with the use of two short M8 screws.
7. Install the linkage plates back onto the frame and tighten the main pivot bolt to 260 in-lbs.

Dropout pivot assembly
1. Remove pivot spacer from the dropout pivot.
2. Remove the flanged bearings by carefully prying them out of their bore.
3. Lightly grease the inside of the bore and press the new bearings in place.
4. Grease the pivot bore and press the pivot spacers in until flush.
5. Install the rear pivot bolts and tighten them to 100 in-lbs.

Main Pivot assembly
1. Remove the main pivot bolt and use a long M8 bolt to press the threaded pivot axle out of the frame. Use an 8mm allen key to prevent the threaded pivot axle from spinning.
2. Use a 22mm diameter sized dowel to push the non-threaded pivot axle out of the frame.
3. Remove the flanged bushings from the frame by carefully prying them out, using a sharp wide-blade screwdriver.
4. Lightly grease the pivot bores of the frame and press the new bushings in until flush with their seating surface.
5. Lightly grease the pivot axles and install in the frame. Use an 8mm allen key to prevent the pivot assembly from spinning and tighten the bolt to 150 in-lbs.

