K46001 Lithium 4.0, 5.0 Frame Rebuild Kit

K46001

Lithium 4.0, 5.0 frame rebuild kit

This kit fits:
2004: Lithium 4.0, 5.0

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	28-5008-5	Screw, M8 x 1.25 x 53 SHCS
1	28-9005-L	Screw, M8 x 1.25 x 64 SHCS
1	28-3000-0	Washer Ø16 x Ø6.2 x 1.0
1	28-3000-4	Washer Ø16 x Ø8.5 x 1.0
1	28-9106-1	Axle, main pivot + screw M8 x 1.25 x 20
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
2	28-5028-0	Pivot spacer, main pivot
1	28-8164-1	Pivot spacer, main pivot inner
1	28-8164-0	Pivot spacer, main pivot outer
2	28-9038-8	Cartridge bearing Ø19 x Ø8 x 6.0
2	28-9038-B	Cartridge bearing Ø22 x Ø10 x 6.0
4	28-9038-4	Cartridge bearing Ø24 x Ø12 x 6.0
4	28-9023-3	Bushing, flanged
2	28-9023-4	Seal washer, main pivot

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
260 in-lbs	28-9106-1	Axle, main pivot + screw
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 4.0, 5.0 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.
2. Use a long M8 bolt to press the main pivot axle out of the frame.
3. Press the bearings out of the frame using a 24mm diameter sized dowel. Take care not to damage the frame in any way.
4. Lightly grease the inside of the pivot bore in the frame and press the bearings and bearing spacers into the frame. It will be easier to press each bearing into the frame from either side of the frame. The bearings will recess into the frame 1.5mm on either side.
5. Coat the bearings with grease and press the aluminum washer and the seal washer in the frame. The grease will hold them in place during further assembly.
6. Install the swingarm onto the frame, aligning the holes in the swingarm with the frame pivot bore. Press the main pivot axle in the frame until it is flush with the swingarm.
7. Install the main pivot bolt and tighten it to 260 in-lbs.

