SBK-1 Instructions

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SBK-1 Suspension Bearing Kit

The SBK-1 Suspension Bearing Kit removes and installs bearings in bicycle suspension pivots. Use of the tool requires measuring the bearing inside and outside diameter using a caliper to select the correct pieces from the SBK-1.

The SBK-1 uses a system of guides driven by a bearing pressing tool to remove and install bearings from the suspension pivot. A bearing extractor cup/drift is used to fixture the linkage as the bearing is removed. Extractor cup/drifts are double-sided, with a larger side to extract the bearing and a small side to install.

For bearing extraction, the SBK-1 requires a minimum of 3mm of flat linkage structure outside the bearing to support the extractor cup/drift (Figure 1). For bearings without this flat structure, consider using the Park Tool SHX-1 Slide Hammer Bearing Extractor.

The extractor stud is used to push the bearing out of the linkage and into the bearing extractor cup/drift. Bearing extractor cup/drifts and extractor studs are marked for the intended bearing size and are selected together to remove bearings. See Table 1 and Table 2.

For installing the bearing, the SBK-1 includes six bearing pilots that are sized slightly smaller than the inside diameter of the bearing being pressed. Use the bearing pilot that will just fit inside the bearing. The shaft of the bearing pressing tool without any bearing pilot will center bearings with a 8.5–9mm inside diameter.

Removing a Bearing

1. Measure both outside diameter and inside diameter of the bearing being removed.
2. See Table 1 to select the correct extractor cup/drift.
3. See Table 2 to select the correct extractor stud.
4. Remove the back plate #2753 from the bearing pressing tool assembly.
5. Slide bearing extractor cup/drift onto shaft of bearing pressing tool with small end facing handle and large end facing pivot.
6. Insert tool shaft into bearing until the face of the extractor cup/drift contacts bearing housing.
7. Slide small end of extractor stud onto shaft and insert extractor stud into bearing.
8. Install back plate onto pressing shaft close to extractor stud (Figure 2).
9. Hold shaft and turn the handle until extractor cup/drift and extractor stud contact pivot and bearing. Check alignment of tool on bearing.
10. Insert a 5mm hex tool into end of shaft and turn the handle clockwise until the bearing is fully removed from its pivot housing.

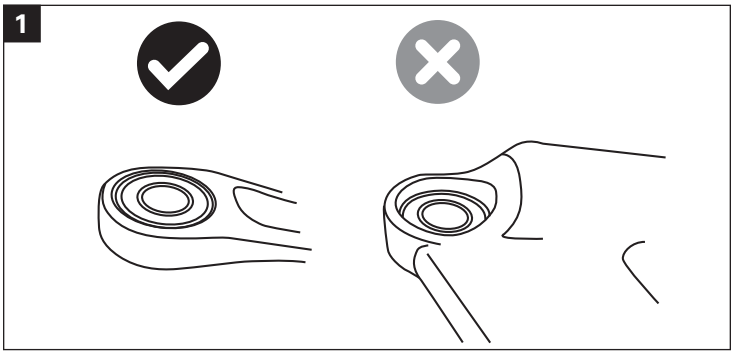
NOTE: If the linkage is not wide enough for the back plate to fit inside linkage, use #2786 extender over the shaft and then install back plate outside of linkage (Figure 3).

Installing a Bearing

11. Measure the bearing outside diameter.
12. See Table 1 to select the correct size extractor cup/drift.
13. Select the bearing pilot that is small enough to slip inside the bearing.
14. Remove the back plate #2753 from the pressing tool assembly.
15. Slide the large end of extractor cup/drift onto the bearing pressing tool shaft. Small end of the extractor cup/drift faces bearing.
16. Slide bearing pilot onto bearing press shaft.
17. Slide bearing onto shaft and center bearing with bearing pilot inside of bearing.
18. Guide pressing tool shaft with bearing through opening of the bearing housing (Figure 4).
19. Slide the back plate of pressing tool onto the nearest slot of shaft. Hold shaft and turn the handle until bearing and backplate contact pivot. Check alignment of bearing.
20. Insert a 5mm hex tool into end of shaft and turn the handle clockwise until the bearing is fully pressed into its housing.

NOTE: If the back plate does not provide a flat support against the linkage, select an extractor cup/drift as the support for the plate (Figure 5).

1



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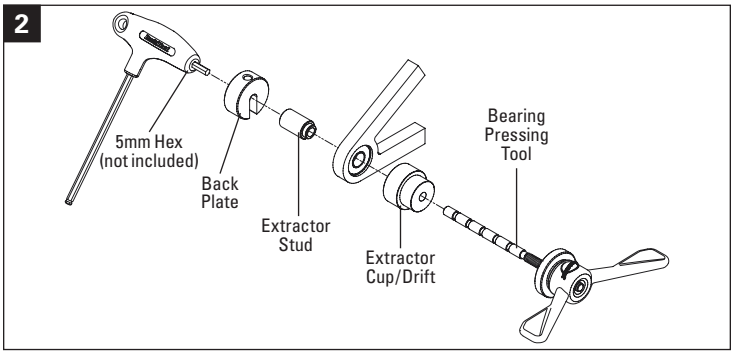

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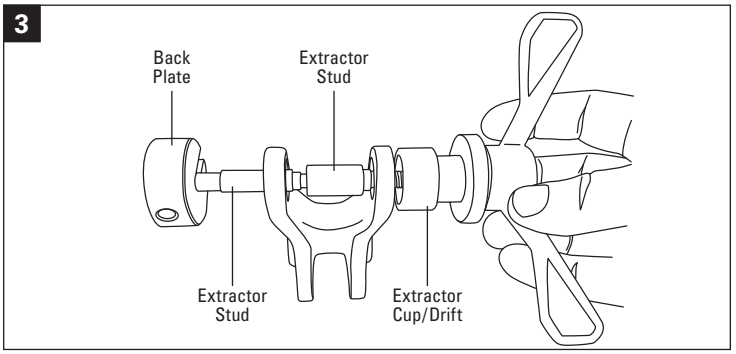

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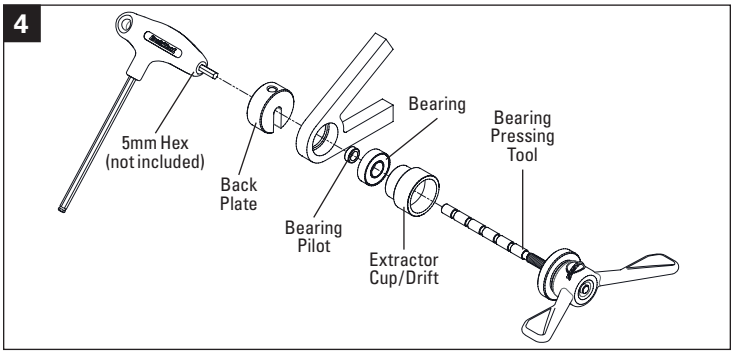

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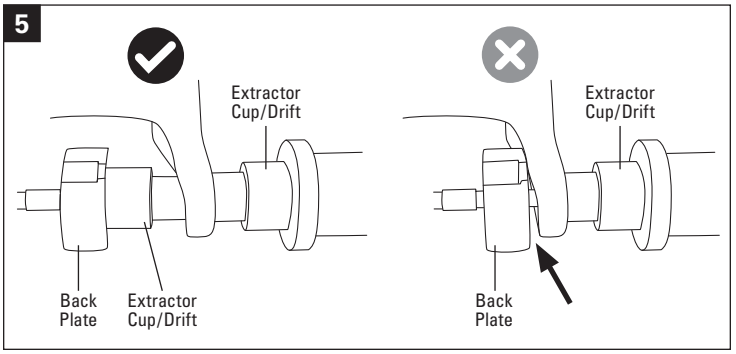

SBK-1 Parts

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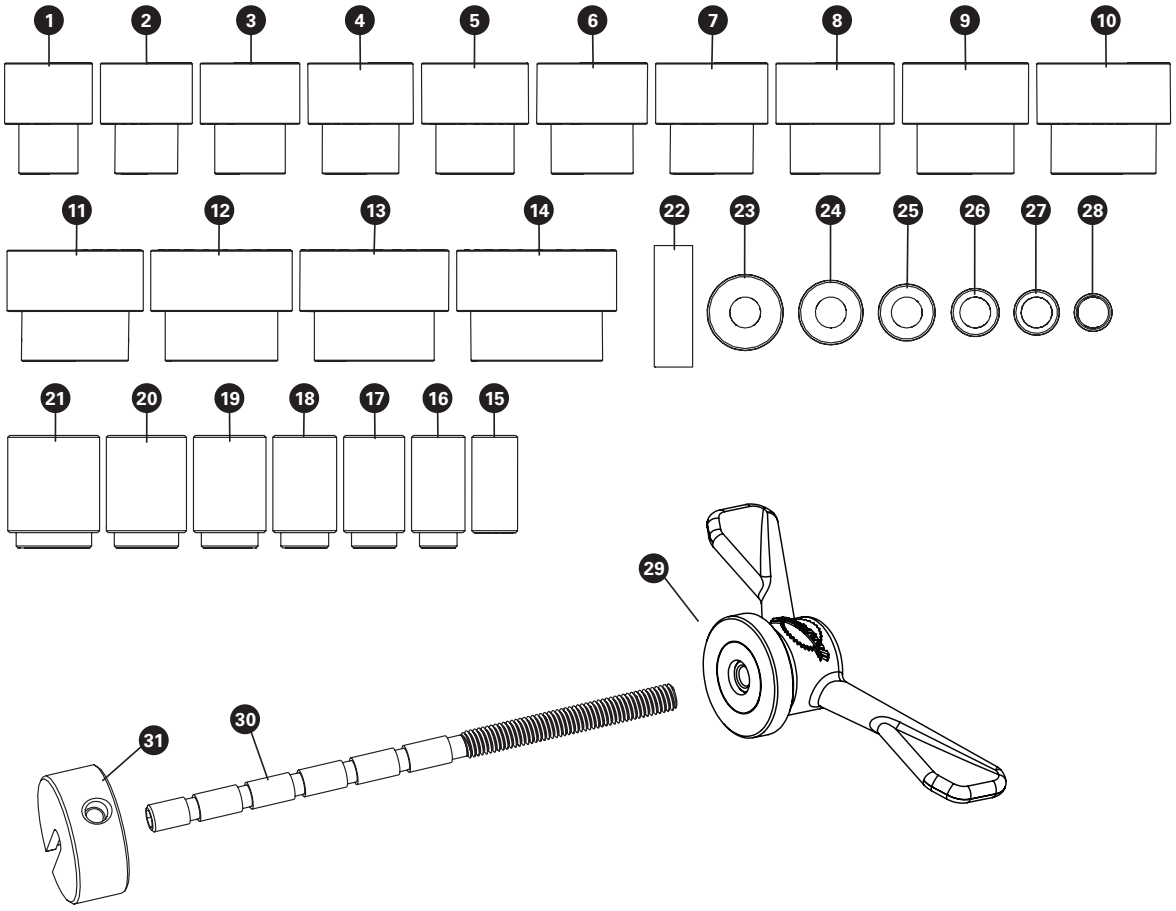

TABLE 1

Bearing Extractor Cup/Drift Part Numbers and Intended Bearing Outside Diameter

Part #	Intended Bearing OD
2756	16mm
2757	17mm
2758	19mm
2759	20.6mm
2760	21mm
2761	22mm
2762	22.3mm
2763	24mm
2764	26mm
2765	28mm
2766	28.6mm
2767	30mm
2768	32mm
2769	35mm

TABLE 2

Bearing Extractor Stud Part Numbers and Intended Bearing Inside Diameter

Part #	Intended Bearing ID
2770	8.5–9mm
2771	10mm
2772	12mm
2773	12.7mm
2774	15mm
2775	17mm
2776	20mm

SBK-1 PART NUMBERS

Ref. #	Part #	Description	Qty.
1	2756	16mm OD Extractor Cup/Drift	1
2	2757	17mm OD Extractor Cup/Drift	1
3	2758	19mm OD Extractor Cup/Drift	1
4	2759	20.6mm Extractor Cup/Drift	1
5	2760	21mm OD Extractor Cup/Drift	1
6	2761	22mm OD Extractor Cup/Drift	1
7	2762	22.3mm OD Extractor Cup/Drift	1
8	2763	24mm OD Extractor Cup/Drift	1
9	2764	26mm OD Extractor Cup/Drift	1
10	2765	28mm OD Extractor Cup/Drift	1
11	2766	28.6mm OD Extractor Cup/Drift	1
12	2767	30mm OD Extractor Cup/Drift	1
13	2768	32mm OD Extractor Cup/Drift	1
14	2769	35mm OD Extractor Cup/Drift	1
15	2770	8.5–9mm ID Bearing Extractor Stud	1
16	2771	10mm ID Bearing Extractor Stud	1
17	2772	12mm ID Bearing Extractor Stud	1
18	2773	12.7mm ID Bearing Extractor Stud	1
19	2774	15mm ID Bearing Extractor Stud	1
20	2775	17mm ID Bearing Extractor Stud	1
21	2776	20mm ID Bearing Extractor Stud	1
22	2786	Back Plate Extension	1
23	2782	20mm Bearing Pilot	1
24	2781	17mm Bearing Pilot	1
25	2780	15mm Bearing Pilot	1
26	2779	12.7mm Bearing Pilot	1
27	2778	12mm Bearing Pilot	1
28	2777	10mm Bearing Pilot	1
29	2751A	Handle Assembly	1
30	2752	Shaft	1
31	2753A	Back Plate with Magnet	1