

Read this manual carefully before you use the component or perform any maintenance activities. This manual is intended for those users of Soul-Kozak bike components who have the necessary knowledge and skills concerning bike servicing. If you do not have such knowledge and skills, do not service Soul-Kozak components yourself. Visit the nearest bike service shop or the authorised Soul-Kozak service for full maintenance of your Soul-Kozak components. Components serviced not in accordance with this manual are not covered by the warranty. In case of improper servicing, not in accordance with this manual, Soul-Kozak has the right to turn down any warranty claims.

SAFETY AND USE

All our components are designed to provide the same, top quality and reliability. There are no limitations as to the weight of the riders who use our F53 hubs. However, if used in professional cycling and in extreme conditions (mud, rain, etc.), our hubs must be serviced accordingly. Regular servicing will ensure safety and long life of the hubs. In order to ensure high quality of our hubs, we recommend the wheel to be assembled by an authorized service.

Caution: before riding, check if the quick-release is fastened securely. Check the hub

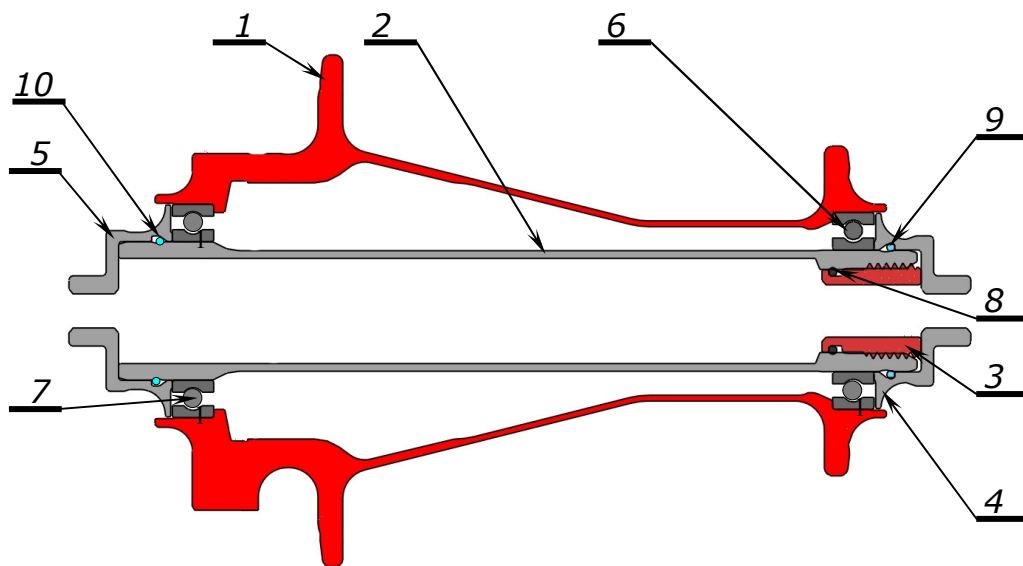
for cracks on the flanges. Do not use the hub if you notice any damage or irregularity. Fix the defect or have it done in the nearest authorized Soul-Kozak service. Check the rolling resistance by spinning the wheel. The hub should not be cleaned with a strong water stream or with strong detergents.

WHEEL LACING

The recommended lacing is 3-cross on both flanges. We do not recommend the 3-cross/radial mixed lacing.

PERIODIC MAINTENANCE

The bearings should be replaced after 2500 km (1500 miles), or, if used in extreme conditions, whenever faulty action is observed. The bearings do not need additional lubrication. They are already lubricated and sealed, which ensures their proper working. Using ceramic and hybrid substitutes to replace the factory bearings is allowed. Bearing series are given in the table below.



CLEARANCE REGULATION

In order to adjust the axial clearance:

- remove the quick-release skewer [4]
- by screwing in the regulation screw [3] with right-hand thread the axial clearance is reduced.
- the pitch of the regulation screw is 1mm/turn

BEARING REPLACEMENT

Disassembly

- remove the lockrings [4,5]

- rest the hub so that the break disc fastening is facing down and tap the axle down [2]
- remove the bearing [6] first, and then bearing [7]

Assembly

- push the first bearing [7]
- push the second bearing [6]
- rest the hub with the break disc fastening facing up and insert the axle [2]
- place the lockring [5] on the axle and push it so that it touches the bearing's

inner ring [7]

- adjust the axial clearance in accordance with the manual.

Caution: Improper adjustment of clearance may damage the bearings!!!!

	product code	part	quantity
1	804-01	Hub body	1 item
2	804-02	Front hub axle MTB - FHD Soul	1 item
3	803-03	Regulation screw 8-209-01	1 item
4	804-04	Axle cap MTB - FHD Soul	1 item
5	804-05	Front hub Axle cap 17 mm MTB - FHD Soul	1 item
6	61802 2RS	Bearing 61802 2RS	1 item
7	61803 2RS	Bearing 61803 2RS	1 item
8	ORING 9X1 NBR	O-ring 9x1 NBR 75 Sh	1 item
9	ORING 15X1 NBR	O-ring 15x1 NBR 75 Sh	1 item
10	ORING 17X1 NBR	O-ring 17x1 NBR 75 Sh	1 item

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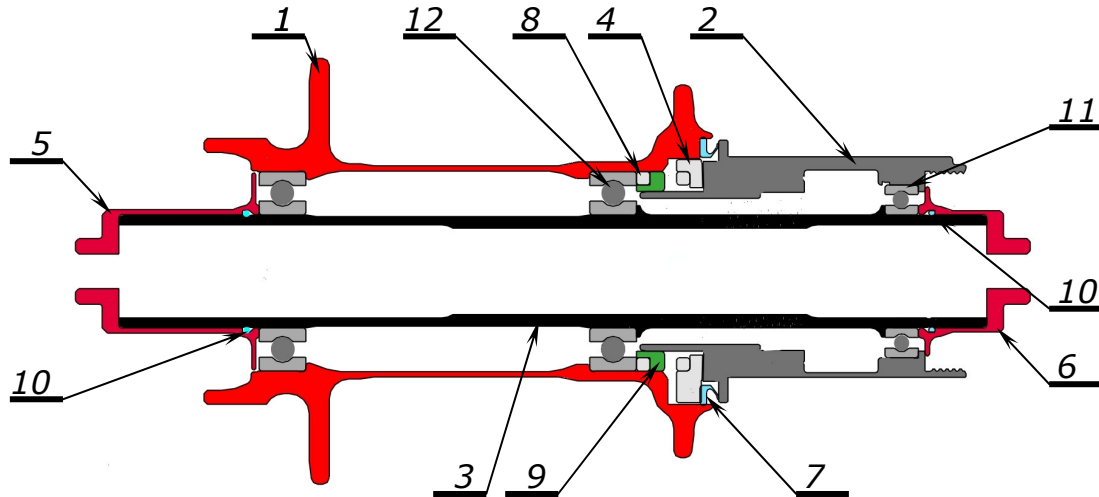
SAFETY AND USE

All our components are designed to provide the same, top quality and reliability. There are no limitations as to the weight of the riders who use our R53 hubs. Overhauls of the front and rear hubs should be performed at least once a year. If the hubs are used in extreme conditions (mud, rain, etc.), the unidirectional clutch mechanism should be serviced more often. Regular

servicing will ensure safety and long life of the hubs. In order to ensure high quality of our hubs, we recommend the wheel to be assembled by an authorized bike service.

Caution: Check the action of the clutch mechanism before each ride. Make sure that the mechanism meshes correctly. If you notice some irregularities do not use the hub. Fix the defect or have it done in the nearest authorized Soul-Kozak service.

The clearance between the axle [3] and the lockrings [5,6] disappears once the wheel is rested in the frame and secured with the quick-release skewer. The clutch mechanism in a new hub gives slightly different sound and has a higher rolling resistance. It is caused by the fact that the grease in the clutch mechanism is not yet spread evenly and the seals are not ground in.



If the action of the clutch mechanism is loud and uneven, it should be greased.

[12] is non-adjustable.

available in Soul-Kozak on-line store, in the 'spare parts' section.

WHEEL LACING

The recommended lacing is 3-cross on both flanges.

PERIODIC MAINTENANCE

The bearings should be replaced after 5500 km (3400 miles), or, if used in extreme conditions, whenever faulty action is observed. The bearings do not need additional lubrication. They are already lubricated and sealed, which ensures their proper working. Using ceramic and hybrid substitutes to replace the factory bearings is allowed. Bearing series are given in the table below.

CLEARANCE REGULATION

The axial clearance in the hub's bearings

LUBRICATION OF THE CLUTCH MECHANISM

Using the skewer, remove the lockrings [5,6]. Remove the axle [3] (in the direction of the clutch mechanism [2]). Next, remove the clutch ring [4] and the seal [7]. Clean the disk [4], freehub body [2], the seal [7] and the inner part of the hub body [1] where the seal is seated. Next, using the same activities but in reverse order, assemble the hub. While assembling, use lubricating oil only (not grease)!! After assembling, check the action of the clutch mechanism and whether the bearings work smoothly. The bearing [11] is replaced with the freehub body. Soul-Kozak freehub bodies are

	product code	part	quantity
1	906-01	Hub body disc R53	1 item
2	906-02 V6	Freehub body SH disc v6	1 item
3	906-03	Hub axle R53	1 item
4	906-05	Clutch ring	1 item
5	906-07	Axle lockring	1 item
6	906-08	Freehub lockring	1 item
7	906-09	Seal VS 34,3x40,4x2,8	1 item
8	906-13	Magnes	2 item
9	906-14V7	Slide bearing	1 item
10	ORING 17X1 NBR	Oring 17x1 NBR 75 Sh	2 items
11	61803 2RS	Bearing 61803 2RS	1 item
12	61903 2RS	Bearing 61903 2RS	2 items