

Note:

Always use proper bearing removal and installation tools.

Do not apply force directly to bearing seals or hub shell surfaces.

Improper service may cause hub damage or bearing misalignment.

RC11 & RC17 FRONT HUB SERVICE

1. Using two 6mm hex wrenches, loosen and remove the end caps. Turn the drive side counterclockwise and the non-drive side clockwise.
2. One side end cap will loosen first. Use an 8mm hex wrench to hold the inner axle from the opened side, then remove the opposite side end cap.
3. Using a bearing removal tool, drive the bearings out from one side of the hub shell.
4. Remove the axle spacer. It will drop out once the bearings on one side are removed.
5. Remove the bearings from the opposite side.
6. Clean the hub shell and axle spacer thoroughly.
7. Apply a thin layer of grease to the bearing seats and outer surfaces of the new bearings, then install them using a bearing press tool.
8. Insert the axle spacer, and temporarily install one end cap to hold the axle spacer in position then install the new bearings from the opposite side.
9. Reinstall the opposite side end cap.

RC11 Bearing: 699-2RS x 2pcs

RC17 Bearing: 688-2RS x 4pcs

Tool required: bearing removal tool / bearing press tool

RC11 & RC17 QR REAR HUB SERVICE

1. Using two 6mm hex wrenches, loosen and remove the end caps. Turn the drive side counterclockwise and the non-drive side clockwise.
2. One side end cap will loosen first. Use a 10mm hex wrench to hold the inner axle from the opened side, then remove the opposite side end cap.
3. Pull the freehub body off by hand and remove the spacer.
4. Using a soft mallet, lightly tap the axle end from the opposite side to remove the first bearing from the hub body, and then remove the bearing from the axle.
5. Insert the axle through the remaining bearing inside the hub shell, then lightly tap the axle end again to remove the second bearing from the hub body, and then remove the bearing from the axle.
6. Clean the hub shell, axle spacer, axle, and freehub thoroughly.
7. Apply a thin layer of grease to the new drive side bearing, then install it using a bearing press tool with the appropriate drift.
8. Apply a thin layer of grease to the axle, then install it into the drive side bearing.
9. Apply a thin layer of grease to the new non-drive side bearing, then install it using a bearing press tool with the appropriate drift.
10. Apply a thin layer of grease to the freehub body and an appropriate amount of grease to the hub ratchet mechanism. Reinstall the spacer onto the axle before reinstalling the freehub body.
11. When reinstalling the freehub, use a reversed zip tie approximately 25cm or longer to compress the pawls. Once the pawls are partially engaged into the ratchet mechanism, carefully remove the zip tie.
12. Using two 6mm hex wrenches, tighten the end caps back into place. Alternatively, install and tighten one side at a time while holding the inner axle with a 12mm hex wrench.

RC11 Bearing: 6802 x 1pcs/ 6902 X 1pcs

RC17 Bearing: 6802 x 1pcs/ 6902 X 1pcs

Tools required: 2pcs 6mm hex wrenches/ 10mm hex wrench/ soft mallet / bearing press tool / 3.5mm width zip tie (25cm or longer)

RC11 & RC17 FREEHUB SERVICE

1. Remove the spacer, springs, and pawls carefully.
2. Clean the freehub body, pawls, springs, and ratchet mechanism thoroughly.
3. Inspect the pawls and springs for wear, cracks, deformation, or corrosion. Replace damaged parts if necessary.
4. Inspect the ratchet teeth inside the hub shell for excessive wear or damage.
5. Remove the freehub body bearings using an appropriate bearing removal tool or drift punch.
6. Clean the bearing seats thoroughly.
7. Apply a thin layer of grease to the bearing seats.
8. Install new bearings using a bearing press tool.
9. Apply a light layer of grease to the pawls and springs.
10. Reinstall the springs and pawls into the freehub body. Ensure all pawls move freely and return properly under spring tension.

RC11 Bearing: 17287 x 2pcs

RC17 Bearing: 6802 x2pcs

Tools required: bearing removal tool/ bearing press tool