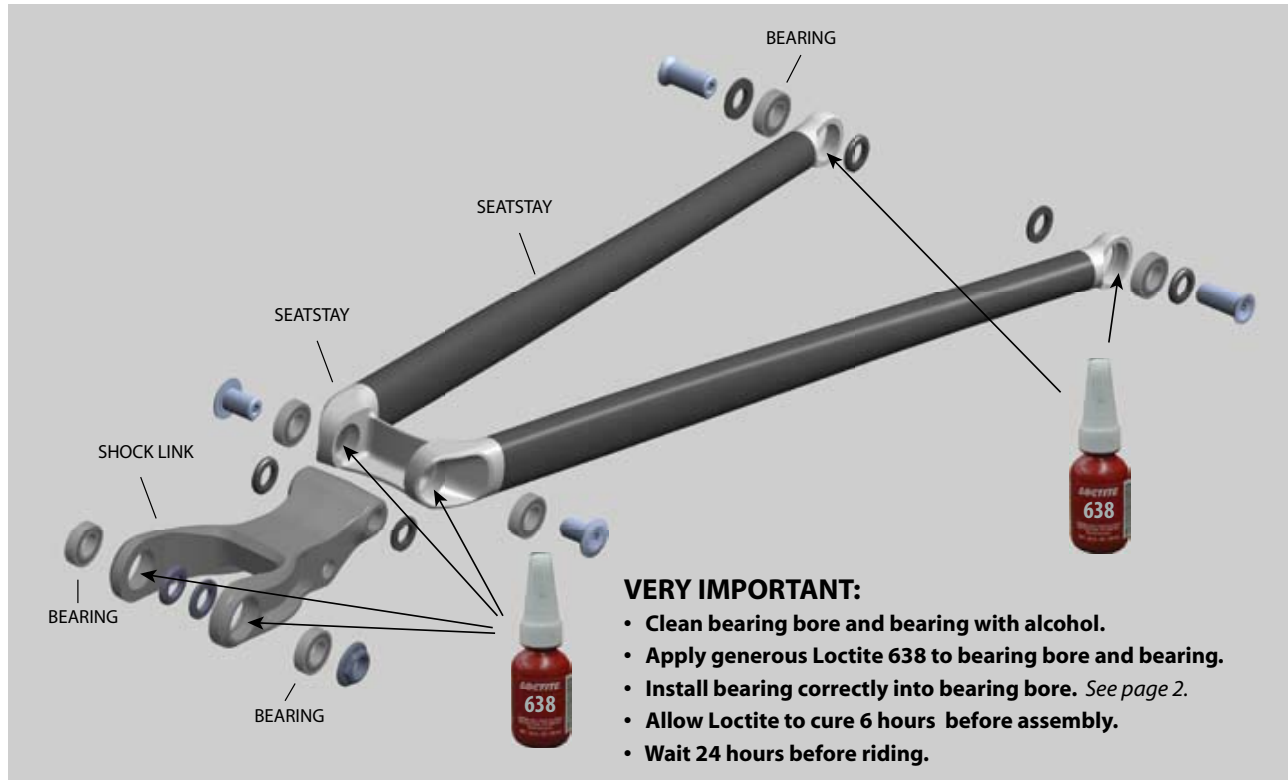


Rize Bearing Service



BEARING INFORMATION

This Tech Note describes normal inspection and replacement of the seatstay and shock link bearings.

By design, the precision bearings are a slip fit into the assembly. Unlike interference fit bearings that are pressed in place, these bearings are fixed in place with an anaerobic adhesive (Loctite 638). Please follow the instructions carefully, as the strength of the resulting bond between parts can be affected by surface preparation and time to cure.

Bearings in the Rize seatstay and shock link assembly are a sealed cartridge type and do not require periodic lubrication. The locations of the bearings are shown above.

BEARING INSPECTION

The condition of the bearings should be inspected every 25hrs or if the seatstay develops side-to-side play. See the Rize Owner’s Manual Supplement 122174.PDF for the Rize maintenance Schedule. See http://www.cannondale.com/tech_center/.

Bearing condition can be inspected without removing the bearings from the part. To do it, disconnect the seatstay at the swingarm and shock link by removing the pivot axles and spacers. With the bearing exposed, rotate the inner race of each bearing with your fingertip. The inner race should rotate smoothly and without any play. The bearing itself should be fully and firmly seated in the depth of the bearing bore. Loose but undamaged bearings may be reinstalled using the technique as described on page 2. Damaged bearings should be removed and replaced with new ones.

BEARING REMOVAL

The bearings are a slip fit within the bearing bore of both the seatstay and the shock link. They are not a press fit.

The bearings are installed with Loctite 638 which bonds the bearing to the part. If the bearing is difficult to remove, you may need to warm the bearing carefully to loosen the Loctite bond. Locate a dowel on the face of the bearing and drive it out. After the bearing is removed, remove the Loctite residue with a small wire brush.

For Loctite instructions : <http://tds.loctite.com/tds5/docs/638-EN.PDF>

CAUTION
Be careful to not damage the bearing bore when cleaning.

CANNONDALE KITS

ORDER NO.	KIT DESCRIPTION
KP073/	BEARINGS, QTY 6
KP074/	LOCTITE 638, 10 ML Bottle

BEARING INSTALLATION

The following steps should be used for both the seatstay and shock link bearings.

For Loctite instructions : <http://tds.loctite.com/tds5/docs/638-EN.PDF>

1. Remove old Loctite from the bearing bore.
2. Wipe the bearing bore clean with alcohol.
3. Use a swab to apply a generous film of Loctite 638 to the entire surface of the bearing bore. Figure 2.
4. Clean the outer bearing race of the bearing with a clean shop towel dampened with alcohol.
5. Use the swab to apply a generous film of Loctite 638 to the surface of the outer bearing race. Figure 3.
6. Insert the bearing into the bore and press it in firmly until it bottoms against the ridge at the bottom of the bore. Figure 4.
7. Wipe off excess Loctite.

IMPORTANT: *The bearing must be seated against this ridge until the Loctite cures. Allow the Loctite to cure completely before attempting to continue assembly.*

Allow at least 6 hours for Loctite to cure.

Allow at least 24 hours before riding.

