

Sound	Location	Cause	How common? 1 to 5	Detection	Remedy	How to:
light Click	Bearing, but can resonate through the spokes	Broken external bearing casing normally caused by over tight bearing housings.	5	Rotate the wheel and see if it rotate freely (a 20" wheel should carry on rotating for 4 or 5 rotations with only a gentle push). If it does not then loosen the bearing housings and check again. Once the wheel is out of the frame on the worse instances, the casing will actually collapse. The noise may disappear with correctly set bearings but the damage is already done.	Replace bearings (always good policy to replace bearings in pairs)	https://youtu.be/Oy3XvJr61DM https://youtu.be/H7GfCm35Dso https://www.unicycle.co.uk/faq/article/how-to-change-bearings
Click	Bearing, but can resonate through the spokes	Broken inner bearing housing. Can be caused by incorrect installation or damage from hub/spacer.	1	Inspect the inner race of the bearing when the wheel is out of the frame	Replace bearings (always good policy to replace bearings in pairs)	https://youtu.be/Oy3XvJr61DM https://youtu.be/H7GfCm35Dso https://www.unicycle.co.uk/faq/article/how-to-change-bearings
Grind	Bearing	Worn bearing race. Normally by items getting in to the bearing, mud, water, grit or rust. Emphasised by over tight bearing housings.	3	Inspect bearing when wheel is removed from the wheel. The bearing will feel rough to rotated and when grabbed it may feel loose laterally.	Replace bearings (always good policy to replace bearings in pairs)	https://youtu.be/Oy3XvJr61DM https://youtu.be/H7GfCm35Dso https://www.unicycle.co.uk/faq/article/how-to-change-bearings
Click	Hub/crank interface	Loose or warn interface.	5	Noise found on a powerful downwards stroke of the crank. When very bad you can grab the crank and feel movement.	Cotterless. Replace crank and pray the hub is not damaged. ISIS. Remove, grease and reinstall with the next smallest spacer available, min size = 4.5mm (note: cranks should face the weakest point on the rim which is the valve and split in the rim. If you want to rotate, move 180 degrees).	https://youtu.be/FY_mG6vSqms https://www.unicycle.co.uk/faq/article/how-to-change-cranks
Click	Pedal	bearings too tight	3	Pedal clicks when you put lots of load on the pedal. When you Spin the pedal it will not spin freely and you can feel the pedal grind.	Regrease and set the bearings or replace.	https://youtu.be/wTIPGtzZ1gM
Clunk	Pedal	Bearings too slack	1	Grab the pedal and wiggle... (you only get noise when it is very slack and the bearings are running over each other.)	Regrease and set the bearings.	https://youtu.be/wTIPGtzZ1gM
click/creak	Spokes	Spokes not relieved	3	Grab parallel spokes and squeeze together and see if they creak.	1. squeeze all parallel spokes around the wheel. 2. stand on the rim while it is on the ground.	https://www.unicycle.co.uk/faq/article/building-a-unicycle-wheel

click	Spokes	Spokes slack	3	Wiggle the spokes.	Retention the spokes	https://youtu.be/APNQA2syiyU
click	Spokes	Spokes with dissimilar tension	3	Check the spokes one by one	retention the spokes, tighten and slacken until the same tension.	
crunch	Saddle	Broken saddle	1	Wiggle the handle/bumper to see if it moves excessively.	Replace saddle.	
creek	Saddle	Loose bolts	5	Check the bolts.	Tighten	