

Kenwood TS-520, TS-820, TS-530, TS-830 Drive Sprocket repair

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A shortcut to having to remove a cracked sprocket and replacing, if one can actually be found. They are no longer produced and hard to find and used ones are most of the time in the same condition. The easiest method is to repair without having to remove the damaged unit.

The following picture shows a typical unit that's cracked on 1 side.



- First, a suitable adhesive needs to be applied. I've used both Super Glue or a product called E-6000. E-6000 is an industrial strength adhesive that really seems to do a good job on everything I've used it on. http://eclecticproducts.com/e6000_retail.htm. Also Loctite Epoxy Plastic Bonder has been reported to work. http://www.loctiteproducts.com/p/13/7/epxy_plstc_s/overview/Loctite-Epoxy-Plastic-Bonder.htm .
- Apply a small amount of the adhesive on the tip of a toothpick and put that small amount into the exposed crack. Once a suitable amount has been applied, back out the Allen screw to remove the pressure on the sprocket. The crack should close up.

- Put a tie wrap on around the hub and tighten. Let dry for 24 hours.
- Cut the tie wrap off and tighten the set screw, making sure it's just snug and not overly tight.
- Put on a fresh tie wrap as tightly as you can get it. The job is complete and the sprocket should last a long time.

The follow 2 pictures shows the fix utilizing two different sizes of Tie Wraps. The only difference is the size the user prefers to be used.

