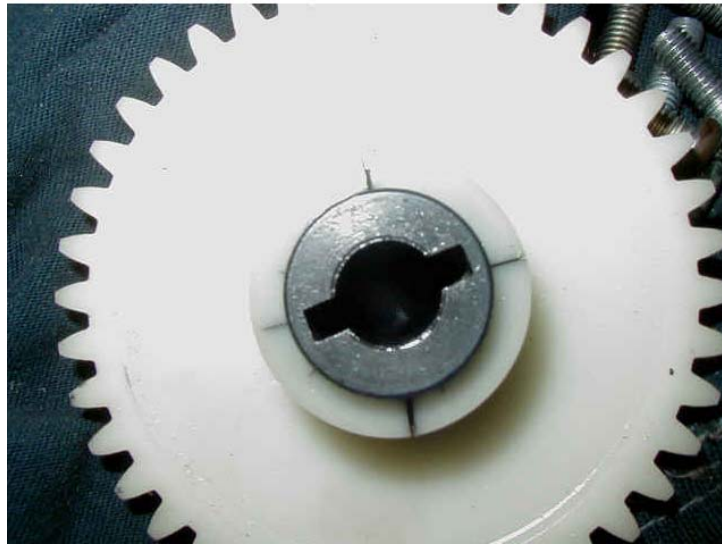
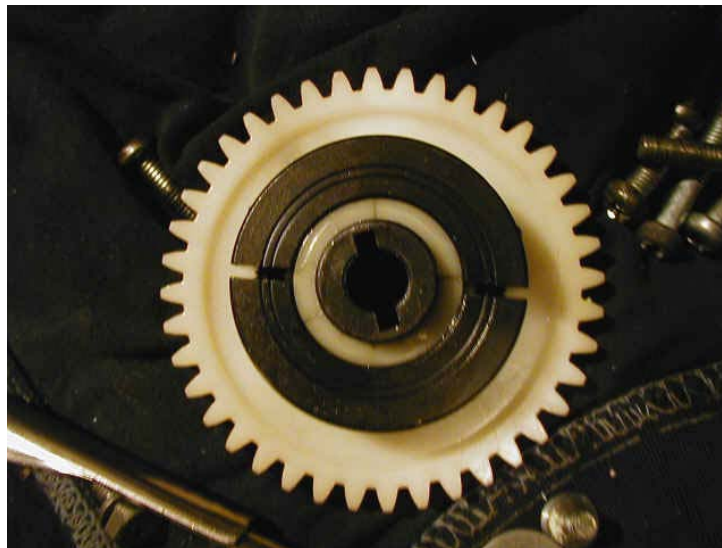


GT750 Waterpump Drive Gear Repair By Lane Pipkin Goose Creek, SC, USA

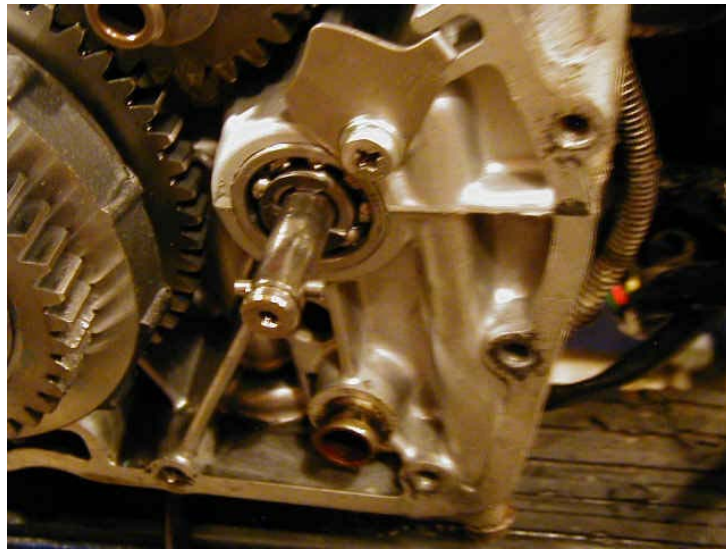
GT750 waterpump drivegears are known for cracking. The gears are getting more scarce and expensive, so I devised a cheap, easy repair.



Purchase a 28mm split-collar and clamp it to the cracked gear.



This repair does cause a interference problem with a screw behind the gear, so the screw has to be modified.



Countersink the hole and oil guide plate to accept a new screw.



After replacing the screw, there is plenty of space for the collar.



The gear is probably better than new, but I like to make sure, so I also reinforced the gear with a 1" washer. Drill and countersink holes for a 6mm screw, 180 degrees apart on the washer. Then drill and tap the collar to match the holes in the washer. I recommend you lay out the holes on the collar from the back, 90 degrees opposed to the slot. This will center your screws in the two halves of the collar. Of course, the collar must be removed from the gear to actually drill and tap the holes. While the collar is removed for drilling, also drill the gear itself for the screw holes. When you finish, the gear will look like this.



Front



Back

(you will notice that I ground off the screw flush with the back and lock-tited all screws)