

Replace Belt on 5G Shaker

SHUT OFF AND UNPLUG THE MACHINE BEFORE YOU START

The shake motor Belt is located in the bottom right side of the machine, flange bearing is located on the bottom right side of the machine.

You must remove the lower right side panels to expose the bearing and remove the front lower panel to expose the shake motor and belt.

The panels are held in place with $\frac{1}{4}$ inch or $\frac{5}{16}$ inch self tapping nut driver screws and the job goes much quicker if you have a cordless drill or nut driver.

You must remove the right side Flange bearing to install the new belt.

The flange bearings are held in

Place by $\frac{1}{2}$ inch bolts and $\frac{1}{8}$ inch Allen set screws, you may need a small gear puller to get the bearing off, some come off very easily and some can be a challenge. Most stores have a Aluminum tray that they use inside the machine to shake gallon paint cans, this tray can be flipped over and used to put under the feet of the machine to lift it off the ground and make it easier to get your hands and tools in place to remove bolts.

1st. Loosen the 2 Allen head set screws on the front of the bearing, The bearing has 2 and make sure you unscrew them enough so they do not hold bearing onto the shaft.

2nd. Remove the 4- $\frac{1}{2}$ inch nuts on each corner of the bearing, on older machine the bolts have $\frac{1}{2}$ inch heads on the back side, newer machines use carriage bolts and you have to wedge a screw driver behind the head to keep it in place on the frame to remove and replace the nuts.

3rd. Use a screw driver or other tool to pry old bearing off (you may need a small gear puller for this if the shaft is scarred or there is too much paint on the shaft, In extreme cases when a gear puller won't work we have had to grind the bearing off with a small hand grinder with a coarse grit flap disk, if grinding the bearing off, grind the front edge of bearing where the set screws are once you see the shaft that the bearing fits on you can usually pull the bearing off.

Usually a puller will work just fine.

Make sure the machine is unplugged

4. You can cut the old belt off or roll it off, to roll it off push the belt to one side of the counterweight pulley (the counterweight pulley is the one on the inside of the machine behind the flange bearing) and push the counterweight back and the belt should spin off the pulley, if belt is off already skip this part.

5. New belt can be a challenge to put on, the belt needs to be slipped in between the flange bearing shaft and the frame the bearings mount to, there is not much room to get the belt trough and it can get a little frustrating, **It does fit through the opening. it may seem like the opening is just to small but it does fit with enough motivation.**

6. Once the belt is through the opening and on the inside of the frame, put belt around the motor pulley, with your left hand grab the counterweight that is under the bottom table and further in behind the motor, the counterweight moves the pulley the belt rides on, once you have the counter weight in the up position with your right hand put the belt on the counterweight pulley and start pushing the counterweight back until the belt spins around the pulley and seats itself on.

7. Install new bearing the same way old bearing came off with the zurk fitting facing down so it can be greased in the future.

Replace all panels and test machine for proper operation