

Retro-fitting of Old Fulcrums

1. Remove old fulcrum roller from stand by removing the roller clamps.
2. Clean thoroughly top, sides, and exposed underside of tracks with paint thinner.
3. Remove old roller from foot wheel.
 - A. Drill a series of 3/16" holes tangent with one another
 - B. Break epoxy glue bond by splitting roller with a cold chisel along the holes. Do not drive chisel into wheel material.
 - C. Clean foot wheel shaft with sandpaper or file.
4. Bond new roller to foot wheel. Mix clear and white epoxy components thoroughly and apply to the inside of tube. Insert foot wheel firmly and twist ¼ turn. Let stand 24 hours or heat to 300F for 5 minutes. Roller or wheel must not be moved or disturbed until glue is cured. Stand roller up in a vertical position with wheel flat on ground. **NOTE:** that narrow bearing surface on roller is next to foot wheel.
5. Place one slide bearing (part #518) on each track with lip of bearing on outside of track.
6. Install roller blocks (part #517) on top of slide bearing with all bolts to the inside.
7. Install rubber bumper (part #515) and anti-rattle clamp (part #516) underneath roller blocks using the 3/8" aluminum lock nuts.
8. Tighten the lock nut on the bottom for anti-rattle clearance. This should be tight enough so that the bearing assembly can be pushed and pulled with little effort along tracks.
9. Place tie plate (part #522) on 4 bolts and fasten with four nuts snug, but not final tight.
10. Slide both blocks to end of tracks and apply pressure to blocks (push "in" from both sides) tighten nuts while pressure is applied.
11. Slip round roller bearing (part #524) onto the two bearing surfaces of the roller (after foot wheel glue has cured). **NOTE:** The bearing must overlap and the top must be correct.

12. Place roller with bearings installed onto the two roller blocks with foot wheel on the right (facing pool), making sure that bearing locator fits into the locator hole in the roller block.
13. Install the roller clamps (part#521) around the Roller and bearing at each end.
14. Tighten roller clamp studs at the end opposite the foot wheel until roller drags then back off each screw approximately $\frac{1}{4}$ turn or until roller turns freely.
15. Repeat at other bearing. Wheel should have very slight drag with both clamps adjusted. These screws will not bottom and space is allowed for future wear and adjustment. This is one area to check when a rattle condition develops. The same condition exists on the underside of tracks. A periodic check should be made of the $\frac{3}{8}$ " aluminum lock nuts to keep anti-rattle angle with Teflon shoes in contact with underside of tracks.
16. Lubricate both nipples on the bearing blocks with "mystic JT-6" or Auto/Chassis grease. Oil hinges (lightweight oil) every week when equipment is in constant use.