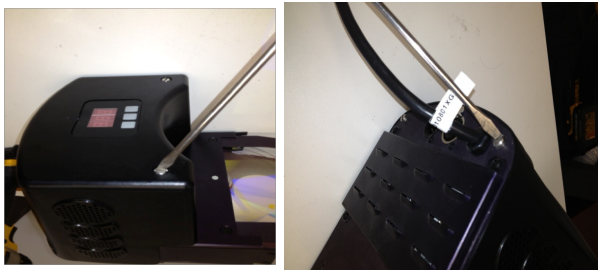
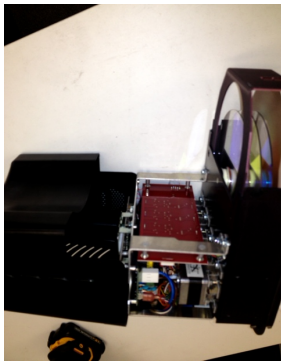


Changing the Dichroic Wheels on Seachanger

Remove cover, Speedster 4 bolts/ Legacy 8 screws



Cover removed

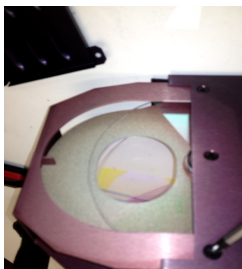


Determine how many wheels need replacing. If other than Dimmer or Xg wheel move to page two and remove electronics cage first to make the wheel change easier.

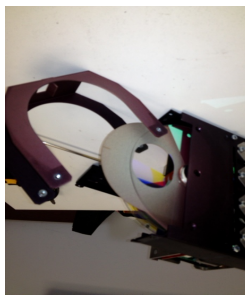
Note: Lay out the wheel parts in the order and the orientation as they are removed



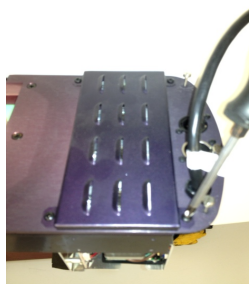
Remove protective wheel shroud, 4 bolts



Shroud removed



Remove bearing cover 4 bolts



Cover removed- Loosen 8 silver bolts on bearings but do not remove bolts

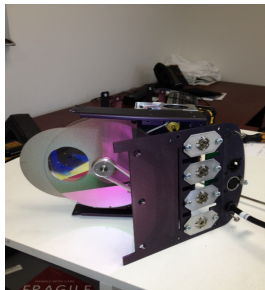


Remove back bearing plate 4 silver bolts and the shaft bolt



Slowly remove plate by wiggling plate back and forth until the four wheel shafts are free from the bearings. Careful that you do not break the glass wheels.

Back bearing plate removed exposing wheels, hubs, gears and belts



If any one of the four bearings is difficult to pull off the shaft, remove the bearing screws and wiggle slightly to work off the bearing, or use wheeler puller

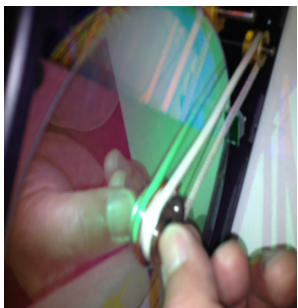
Removing DMX cable from PCB will make it easier to work on fixture.



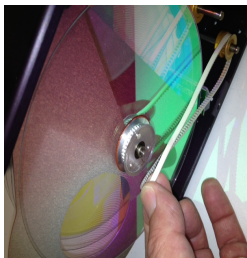
Lay out the wheel parts in the order and the orientation as they are removed. Spacers are from outside to inside .126/.146/.200/.180/.180/.06



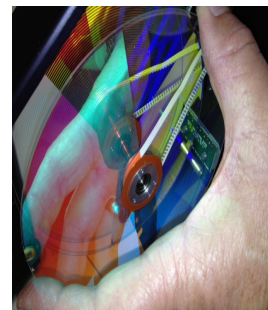
Remove the spacer from the shaft on 1st wheel off, Green wheel or dimmer



1st belt off. Push belt to the side of the hub and spin the wheel slowly until the belt overrides off the gear.

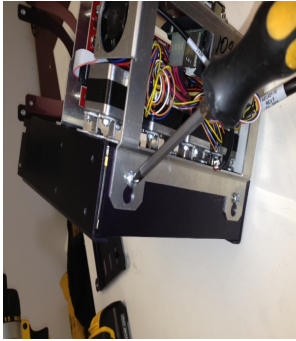


Gently grab wheel and pull off the shaft

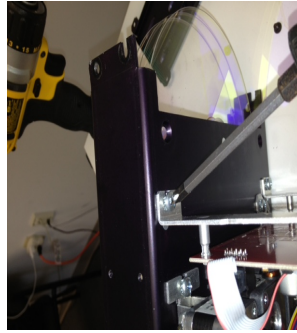


If the repair requires more than the first wheel off the wheel shaft the procedure from this point on will continue as follows:

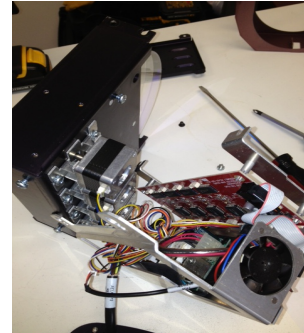
Remove Electronic Cage



Remove Electronic Cage



Remove Motor cables



Note the locations of all the cable connectors and be sure to reconnect in the correct locations

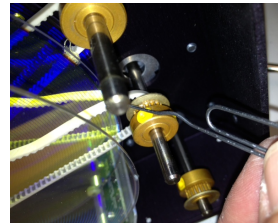
Loosen motor support bolts to reduce tension on belts. Do not remove



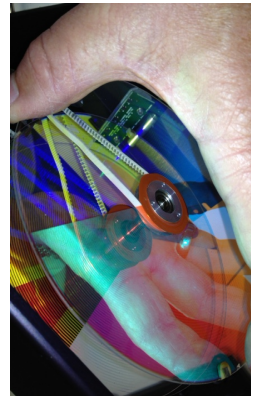
Remove aperture plate- two small bolts



Remove spacer; flip off belt from small gear (using paper clip works well)

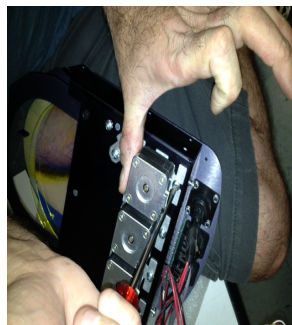


Remove wheel



Repeat process until the remaining wheels are removed. Steel wool wheel shaft and replace wheels by reversing the process. Tighten the belts once the wheels are all in place and prior to reinstalling the electronics cage

Belt tightening- Pull down on motor side until belt becomes snug, tighten motor side.



Belt tightening- Pull down on distal bearing side until the belt is tight (not too tight). Tighten bolts



Replace electronic cage, then reverse the procedure to reconstruct the Seachanger

