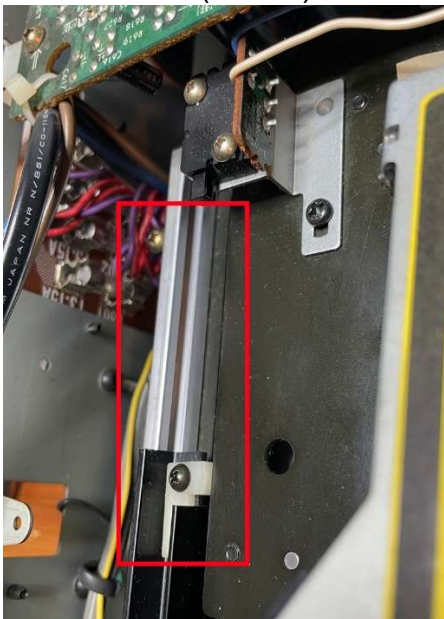
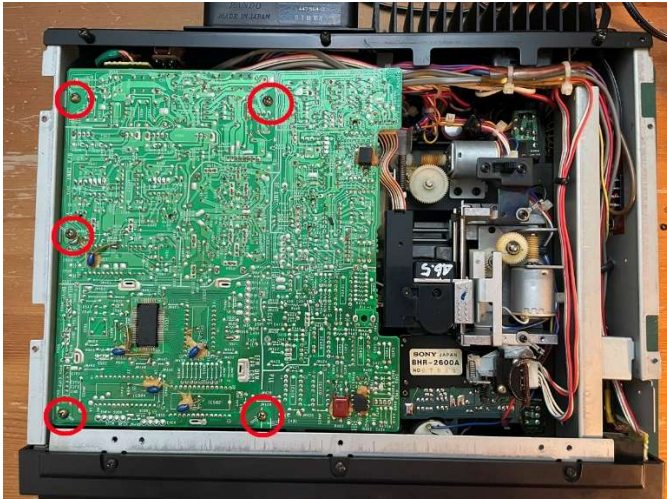


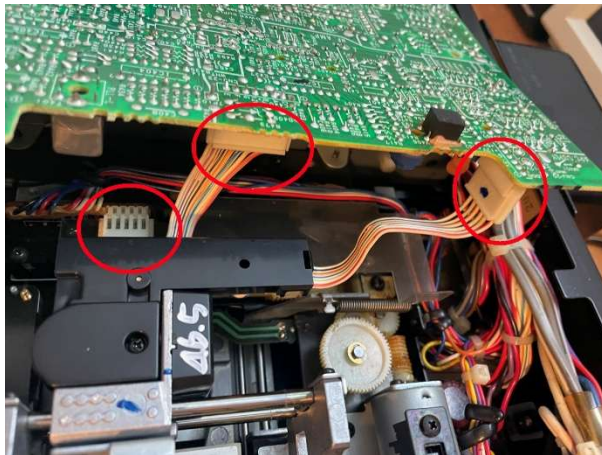
1. Remove top case and under panel
2. Remove screws holding servo board down
3. Lift up Servo board and secure out of the way
4. Open the drawer
5. Examine both aluminium runners that the plastic draws slides in and out of for debris or dirt. (circled)



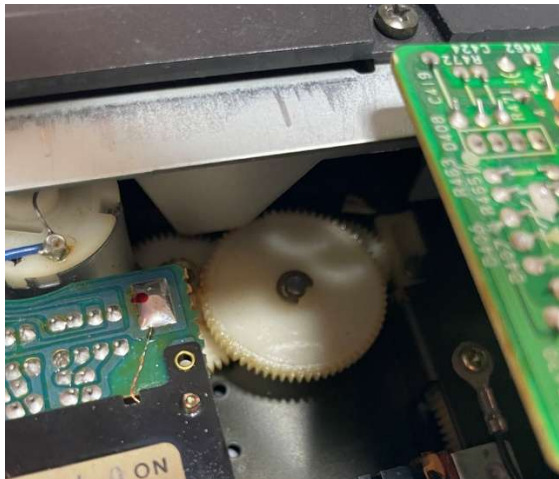
6. Remove as much debris or dirt as possible.
7. Apply lithium grease to the middle of the runner and open and close the drawer to spread it out.
8. Turn the player upside down
9. Remove the 5 screws holding the audio board down. (circled)



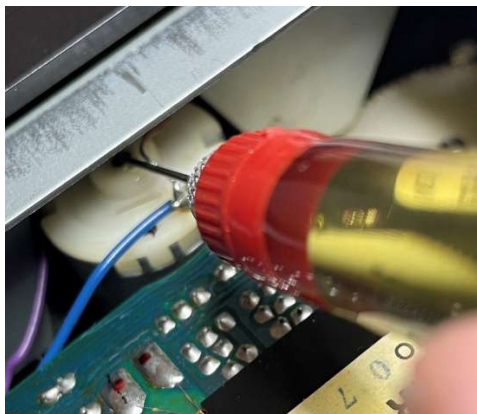
10. Disconnect the 3 connectors from the audio board cables to the laser assembly (circled)



11. Slide the audio board away to reveal the drawer motor cogs



12. Remove the larger cog's retaining clip
13. Remove as much old grease as possible from the cogs, the large cog can be lifted up to disengage it from the draw and facilitate cleaning by turning the smaller cog around.
14. Once clean apply lithium grease to the cogs and open and close the drawer to disperse
15. Apply oil to the motor spindle



16. With the drawer open, apply lithium grease to the rack gear

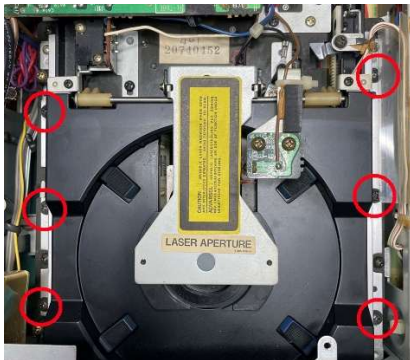


17. Re-connect the 3 connectors from the audio board to the laser assembly

18. Secure the audio board using its 5 screws

Procedure for aligning drawer runners after removal

NOTE: The runners are secured with 3 screws on each side (circled) In addition there are two springs on either end of the left runner pushing the runner towards the drawer to ensure tension is maintained and the drawer runs smoothly.



On the right hand side is the rack gear that engages with the motor. Realigning the drawer runners involves first ensuring the right hand rack is not binding with the motor's cog, and fully secured, then adjusting the left side so that the springs at the top and bottom push the runner against the drawer evenly.

1. Ensure that the three screws holding the right hand runner are secure
2. Loosen off the three screws holding the left hand rail in place (circled) so they still hold the rail in place firmly but the rail can be shifted.



3. When the drawer is closed, push the left runner away from it so the springs can naturally re-settle the runner against the drawer.
4. Close and open the drawer until it moves freely.
5. Once the drawer opens and closes smoothly, first open the drawer and then tighten the front screw.
6. Close the drawer and tighten the rear screw

Confirm the drawer open and closes fine then replace the middle screw