

Servicing the spindle motor assembly

If the spindle is moving freely and working correctly, then oiling the bearing is only required. Removal is only necessary if the spindle motor is seized or shown to be defective.

Oiling the bearing

1. Remove the top case
2. Open the drawer and power off player
3. With clamp now elevated, lift up the pulley to expose the base of the bearing and spindle.

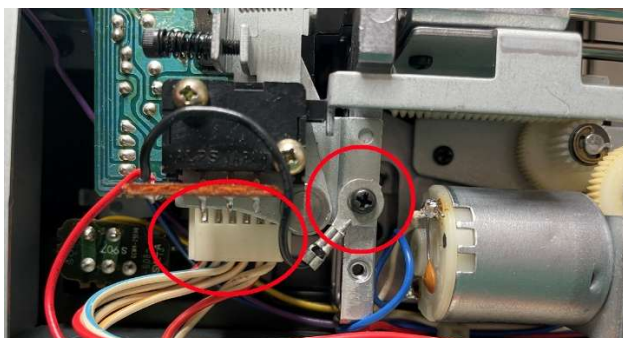


4. Apply oil to the shaft base area and rotate the pulley to ensure its dispersed.

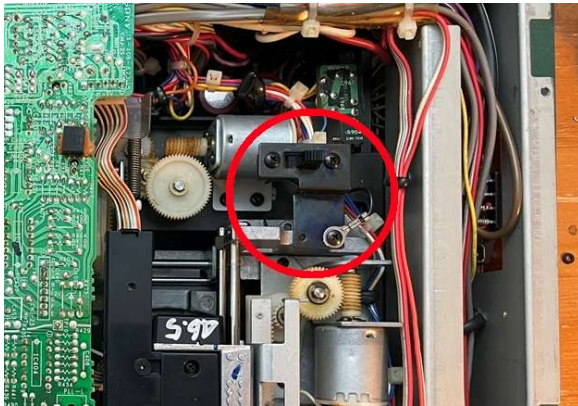
If the entire Disc motor needs removing:

Removing the spindle motor

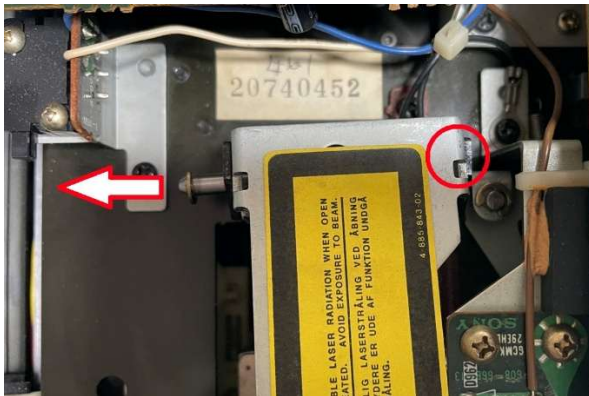
1. Remove top and bottom case and panel
2. Open drawer and power off
3. Turn player on its side
4. From the underneath remove the laser home position switch with its bracket (circled)
5. Remove connector CNJ36 from the disc motor (circled left)



6. Remove the beep switch and bracket (circled)



7. Return player to correct way up being careful to not damage the limit and beep switch
8. Release the clamp by removing the right hand retaining clip and sliding spindle out to the left (circled)



NOTE: The clamp will still be connected with a spring to the chassis which can't be disconnected.

9. Remove the retaining washer from the top of the pulley and put the cap and spring aside.



NOTE: Remove carefully as the washer retains the spring loaded cap under tension.

10. Locate the grub screw on the disc pulley and undo using a 1.27mm hex key.



11. Lift off the pulley and put aside.

12. Locate the 3 screws holding the spindle motor in place and remove

13. The spindle motor is now free and can be removed from the underside.

NOTE: when refitting the pulley, ensure it is set to a height of 0.5mm from the base.