Technical Information

Date: ***September 2, 2008***

Model: ***Rotel CD Players using the KSL-2130 CD Mechanism***

Subject: ***Belt Replacement***

Only authorized qualified service technicians should attempt the following belt replacement.

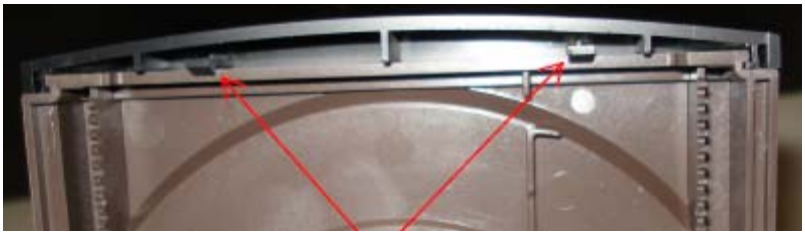
Required Tools:

- #2 Phillips screwdriver
- #1 Phillips screwdriver
- #0 Phillips screwdriver
- Awl (a pen will also work)

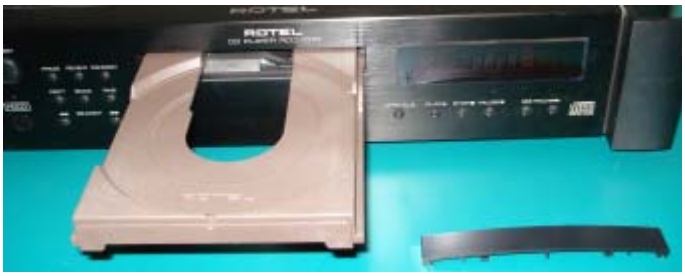
STEP # 1:

- With the CD player powered on, push the open/close button to open the CD tray.

- Push the power button to power the CD player down.
- Locate the two plastic clips on the inside bottom of the cosmetic tray cover.



- Gently push the plastic clips towards you and apply upwards pressure at the same time to remove the trays cosmetic cover.



- Push the power button to power the CD player up. If the tray does not go in automatically, close the tray using the open/close button.
- Push the power button to power the CD player down and unplug it from AC power.

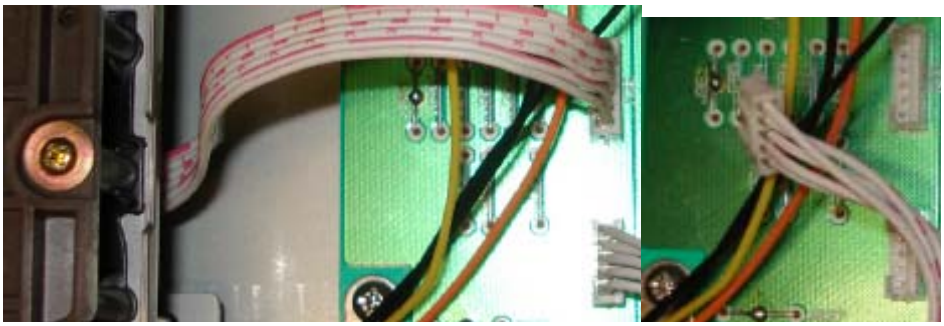
STEP # 2:

- Remove the eight screws holding the top cover in place using a #2 Phillips screwdriver (two on the top of the rear panel and six on the bottom that secure it to the chassis).

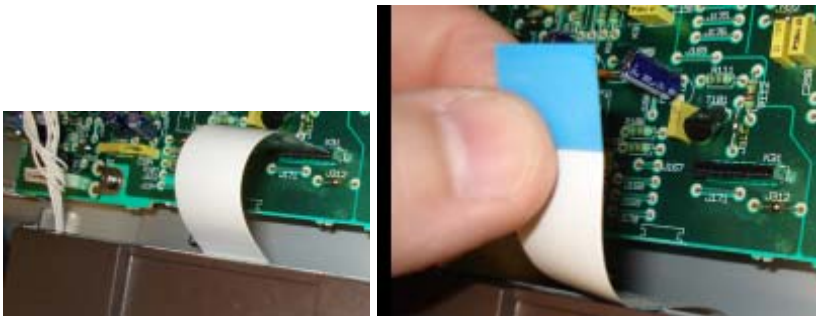
- Slide the top cover towards the back of the CD player and remove the top cover.

STEP # 3:

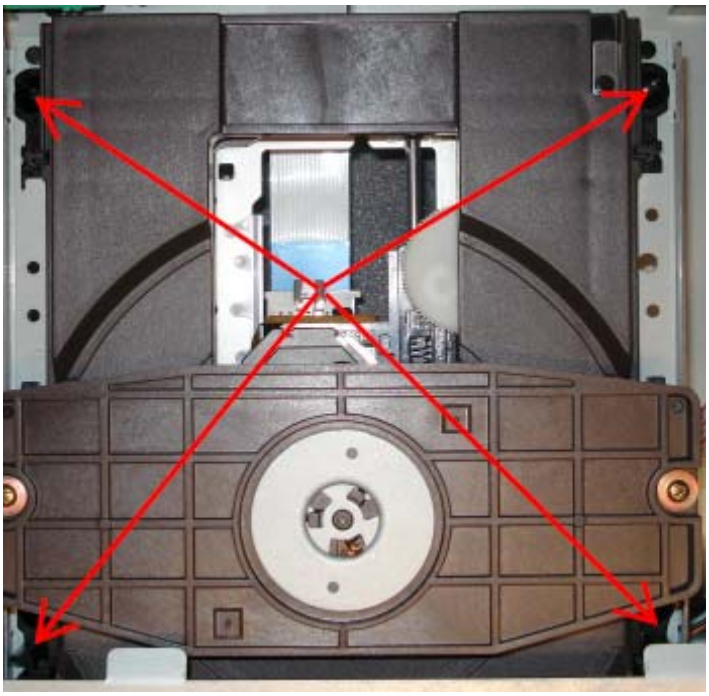
- Gently remove the two connectors on the right side of the mech from the main circuit board.



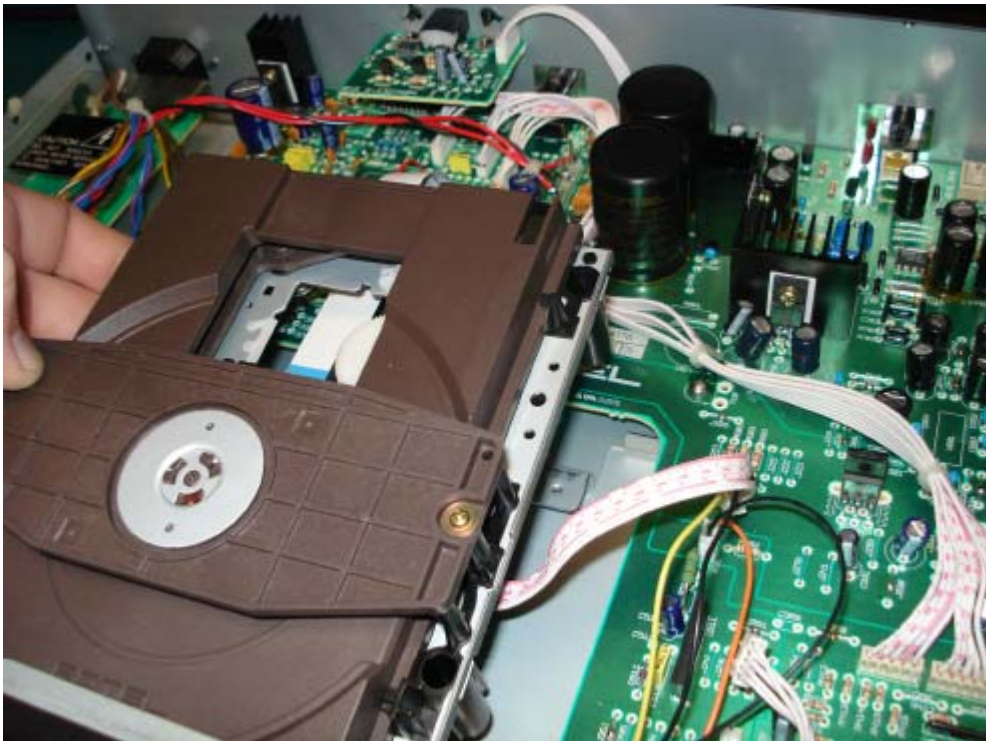
- Gently remove the flat ribbon cable towards the rear of the mech from the “Main” circuit board by firmly grasping the cable and gently pulling straight up.



- Remove the four screws, using a #2 Phillips screwdriver, from each corner of the mech that secure the mech to the chassis.



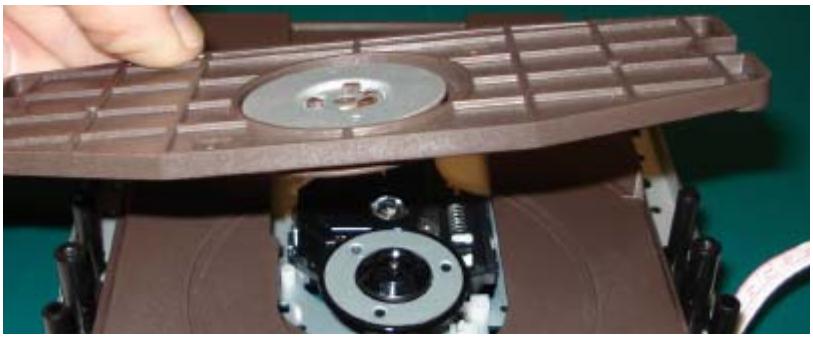
- Remove the mech from the chassis by lifting the rear of the mech above the main circuit board and sliding it towards the rear of the CD player.



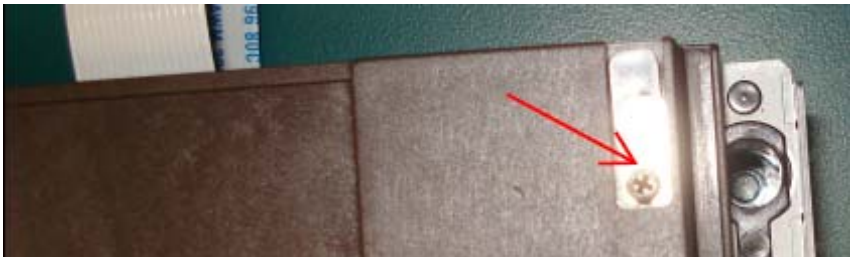
- The mech should now be free of the CD player.

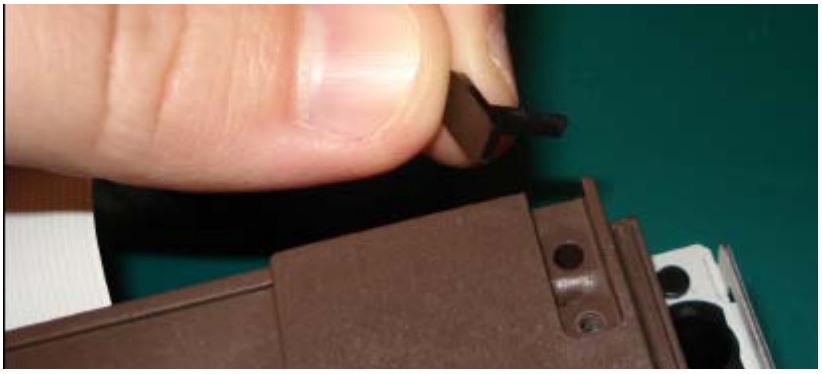
STEP # 4:

- Remove the two small screws holding the disc clamper in place using a #1 Phillips screwdriver and remove the disc clamper from the mech.



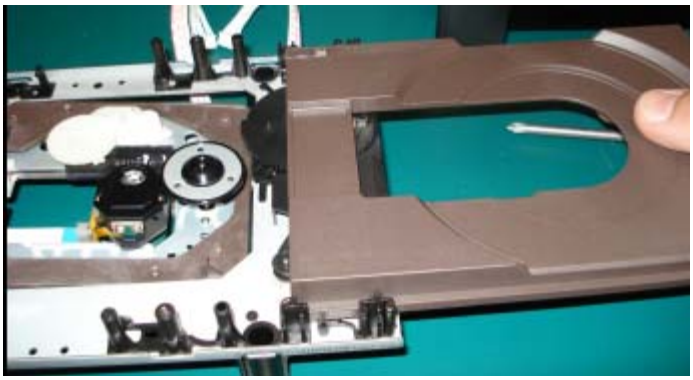
- Remove the small screw from the right rear corner of the tray, using a #0 Phillips screwdriver, and remove the locking pin.





- Looking from the top, note the gear towards the front of the tray slightly right of center. Turn this gear clockwise until the pick-up and motor assembly drop to the load position.

- Gently slide the tray into the fully open position.



- Locate the small retaining clip on each side of the mech one inch in from the front of the metal chassis (there are two).

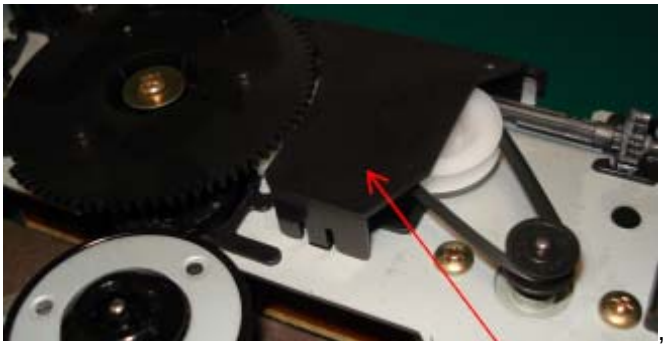
- Place your right thumb on the plastic cover towards the front of the mech and your right index finger on the back of the tray.

- Apply pressure to the back of the tray and using the Awl inserted into the small hole of the left retaining clip, gently move the retaining clip ¼ inch to the left (this will free the left side of the tray drawer).

- While maintaining pressure on the back of the tray, using the Awl inserted into the small hole of the right retaining clip, gently move the right retaining clip ¼ inch to the right (this should free the right side of the tray and allow the tray to be removed from the mech).

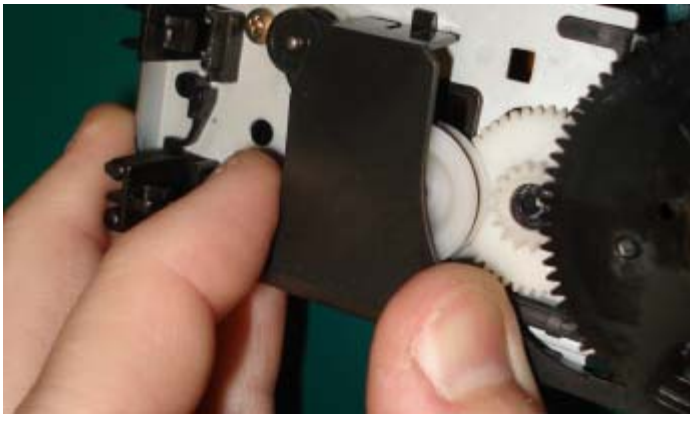
STEP # 5:

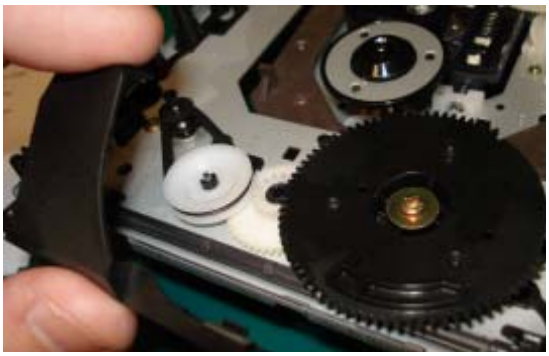
- Locate the plastic cover to the right of the tray gear, and note the small tab in the center rear of the cover.

 ,

- Using your index finger gently push the tab towards the front of the mech and lift up (this should free the rear of the cover from the metal chassis).

- Slide the cover 5/8” to the left and remove cover.





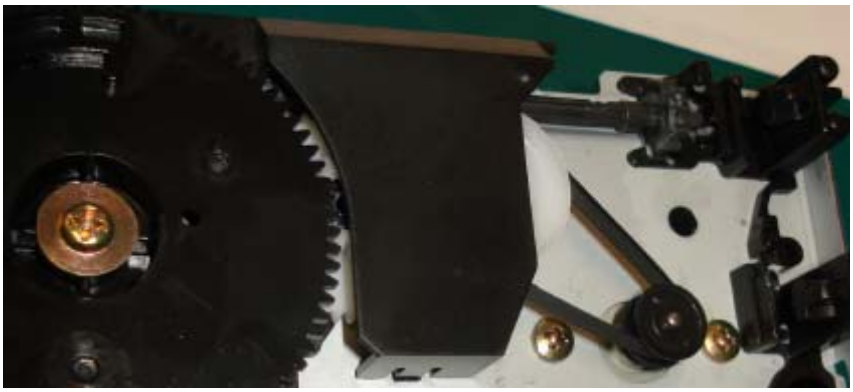
STEP # 6:

- Remove old belt.

- Install new belt.

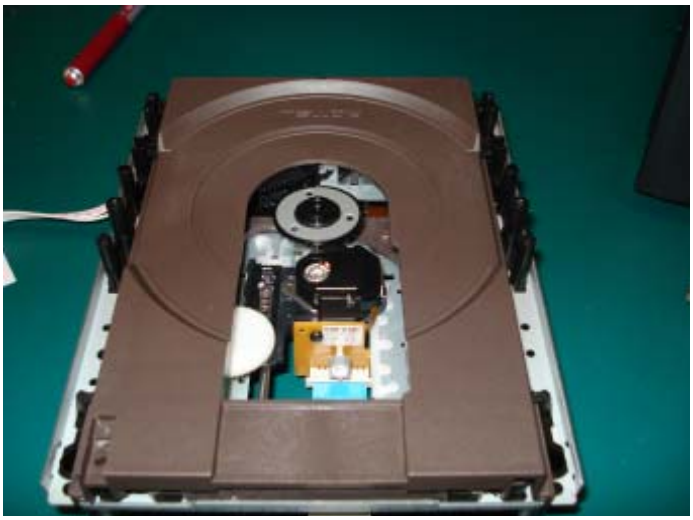
STEP # 7:

- Replace plastic cover and insert rear tab back into the metal chassis.

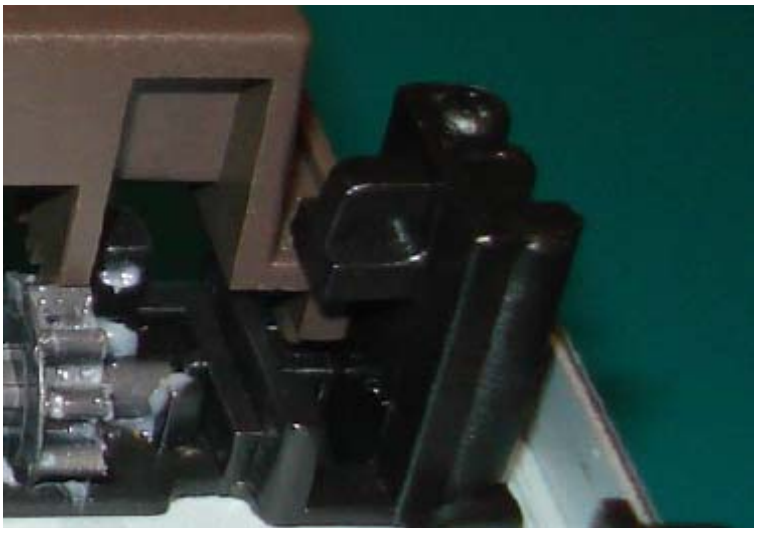


- Gently rotate the tray gear fully clockwise.

- Align the tray and insert it all the way into the mech.

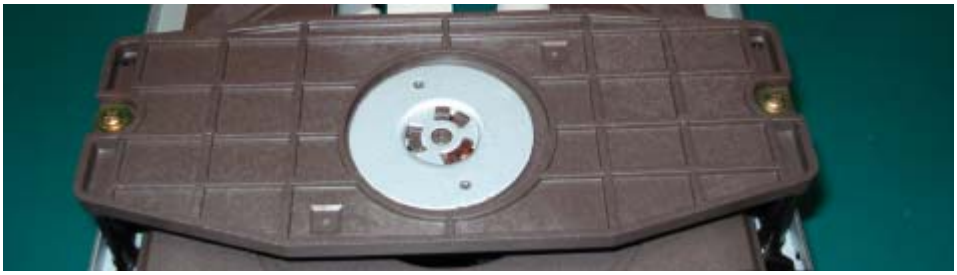


- This step is critical! Insure that the tray is properly aligned before proceeding.



- Replace the locking pin and small screw using a #0 Phillips screwdriver.

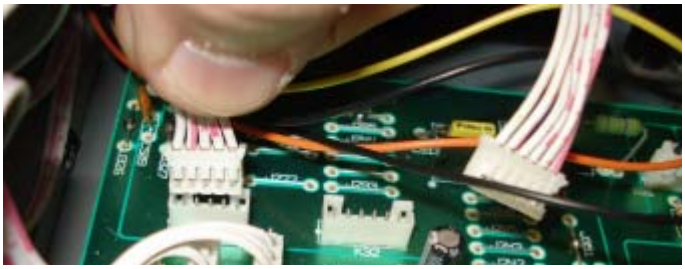
- Replace the disc clamper and secure with two small screws using a #1 Phillips screwdriver.

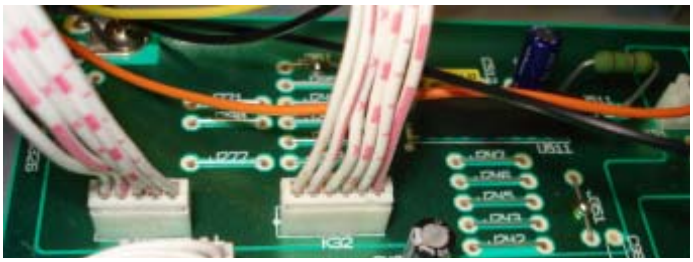


STEP # 8:

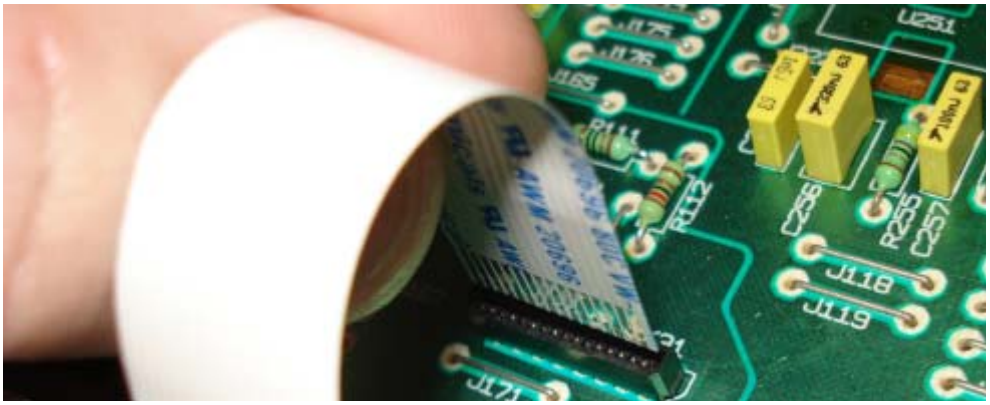
- Reinstall mech into CD player (insure that the flat ribbon is accessible and not folded under the mech).

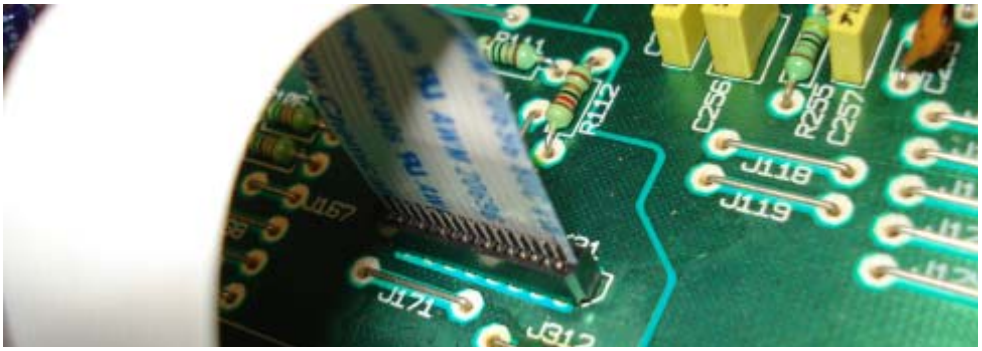
- Reconnect the two cables on the right of the mechanism to the main board.



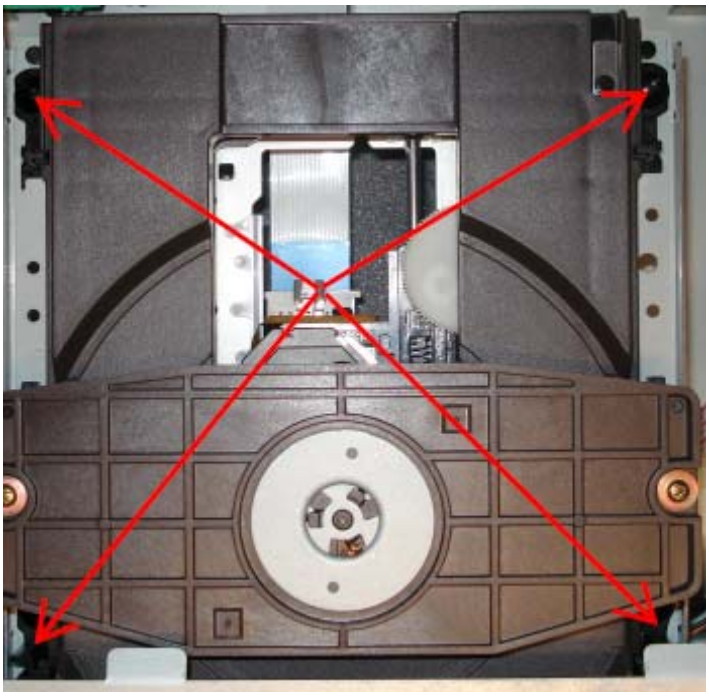


- Reconnect the flat ribbon cable to the main circuit board by aligning the cable to the connector and apply a slight downward pressure until the cable is securely seated.





- Replace the four screws that secure the mech to the chassis using a #2 Phillips screwdriver.



STEP # 9:

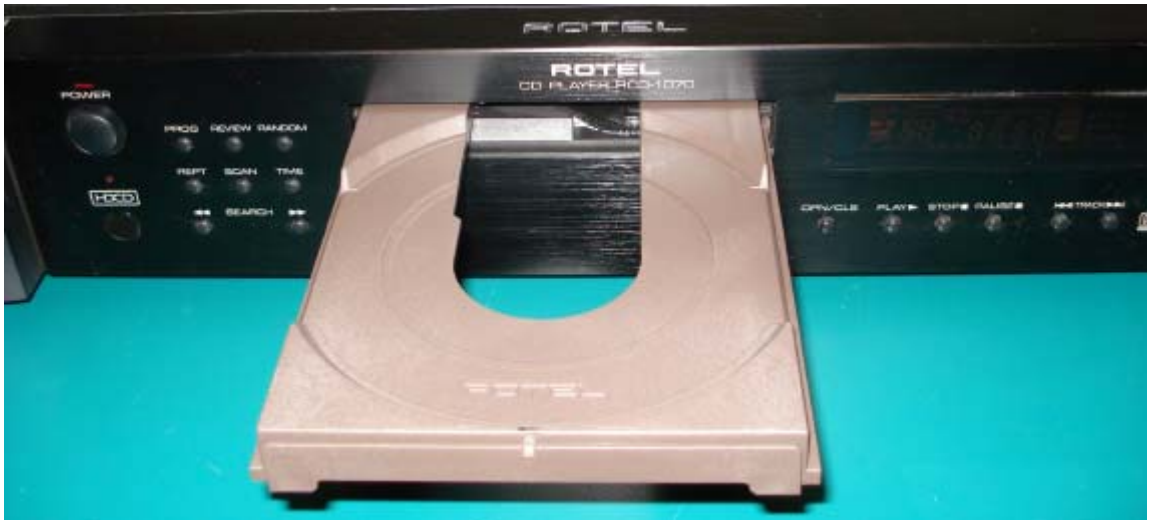
- Replace the top cover and eight screws using a #2 Phillips screwdriver (two on the top of the rear panel and six on the bottom that secure it to the chassis).

Note 1: you may want to wait until proper operation is established.

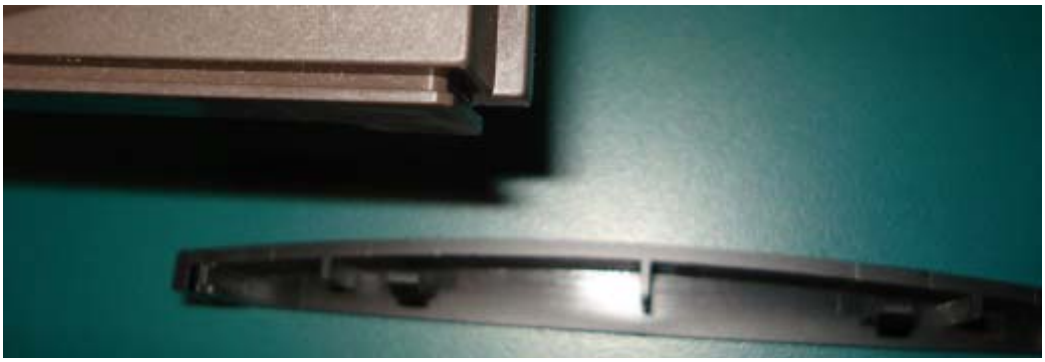
- Plug the CD player in and push the power button to power the CD player up.

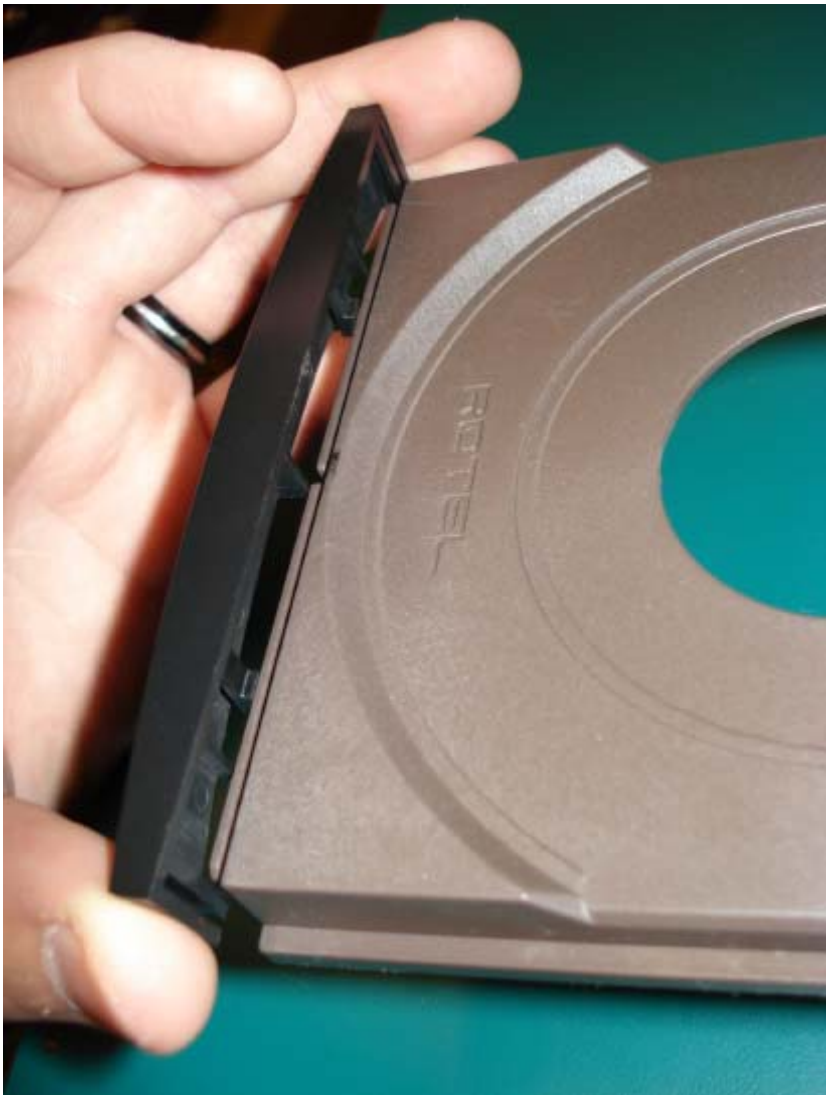
  Note 2: 120 volts AC is now present underneath the plastic protectors on the left side of the CD player. Extreme caution should used.

- Push the open/close button to open the tray.
- Push the power button and power the CD player down.



- Replace the cosmetic tray cover (see Step # 1). Ensure to slide the cosmetic tray cover down until both tabs “click” into place to ensure proper cosmetic alignment.

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- Insert disc into the tray.
- Push the power button to power the CD player up.
- The tray should now automatically close and the CD should start playing.
- If you have not already replaced the top cover and cosmetic tray cover, do so now.

The repair is now complete.