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.
• 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.