

The following models use the CR-20 5-disc changer mechanism

DVD-CV40	SC-AK47	SC-HT290
SC-AK12	SC-AK57	SC-HT70
SC-AK15	SC-AK58	SC-HT80
SC-AK17	SC-AK66	SC-HT90
SC-AK18	SC-AK77	SC-PM11
SC-AK22	SC-AK78	
SC-AK24	SC-DK1	
SC-AK25	SC-DK2	
SC-AK27	SC-DK3	
SC-AK29	SC-DK10	
SC-AK33	SC-DK30	
SC-AK44	SC-DV150	

Tray Disassembly

- 1) Remove the two screws securing the mechanism cover (329), which includes the magnet. You may also have to remove the tray up switch PCB depending on the length of the ribbon cable. (Figure 1)

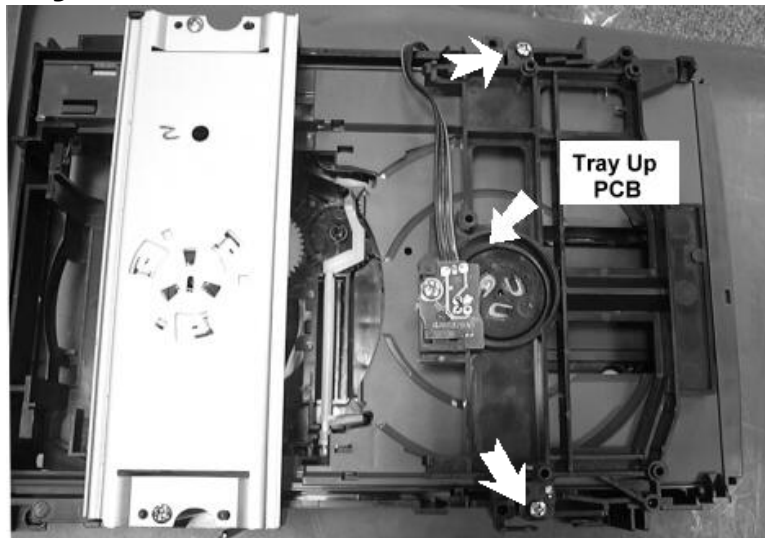


Figure 1

- 2) Remove the gear attached to the mechanism cover (329) (Figure 2), using a 2mm hex wrench engage the gear into the drive gear (308) at the bottom of the mechanism.



Figure 2

- 3) Insert the gear tool into the bottom of the mechanism and rotate the gear clockwise until the tray base (331) is fully extended (Figure 3). NOTE: Do NOT rotate the gear while the mechanism is upside down or sideways. This will cause binding of the mechanism.

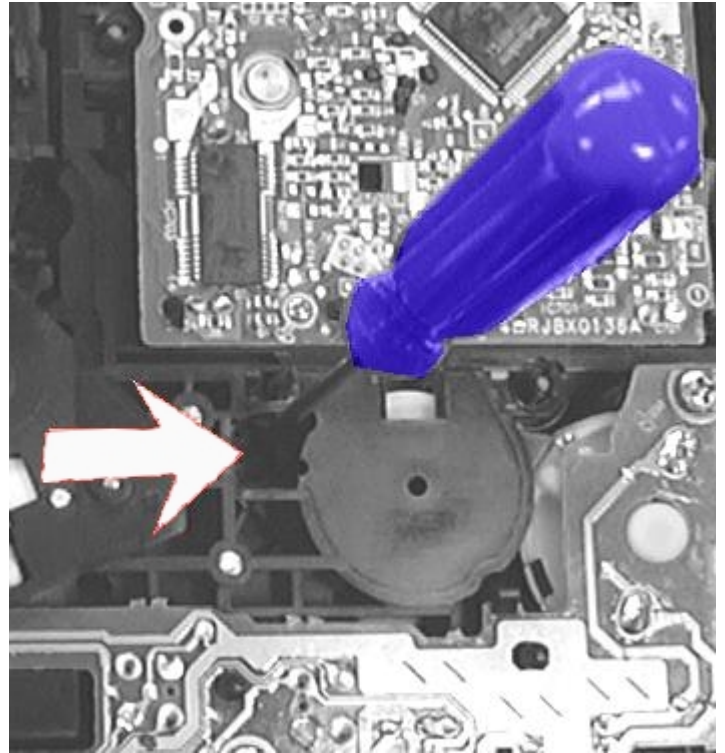


Figure 3

- 4) Release the claws on either side of the tray base and pull the tray base out completely.

- 5) Push the slide lever (318) on the bottom of the mechanism toward the traverse deck as far as it will go (Figure 4).

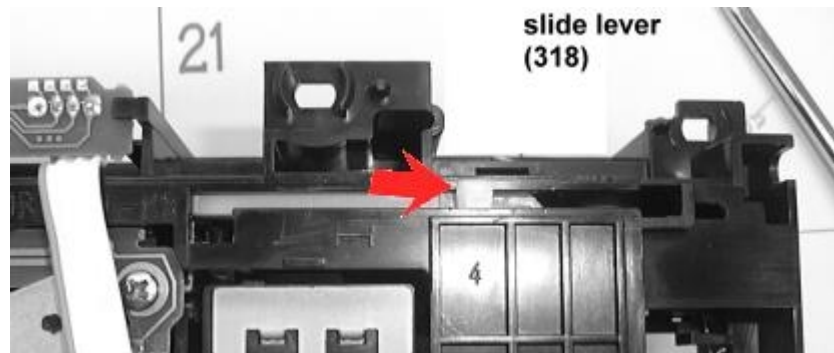


Figure 4

- 6) Pull the black stopper down and push the bottom of the slide lever away from the traverse deck to lock it in the down position (Figure 5).



Figure 5

- 7) Release the clip that holds the rack assembly in. The rack assembly should slide back further opening the slot that holds the traverse assembly in place (Figure 6).

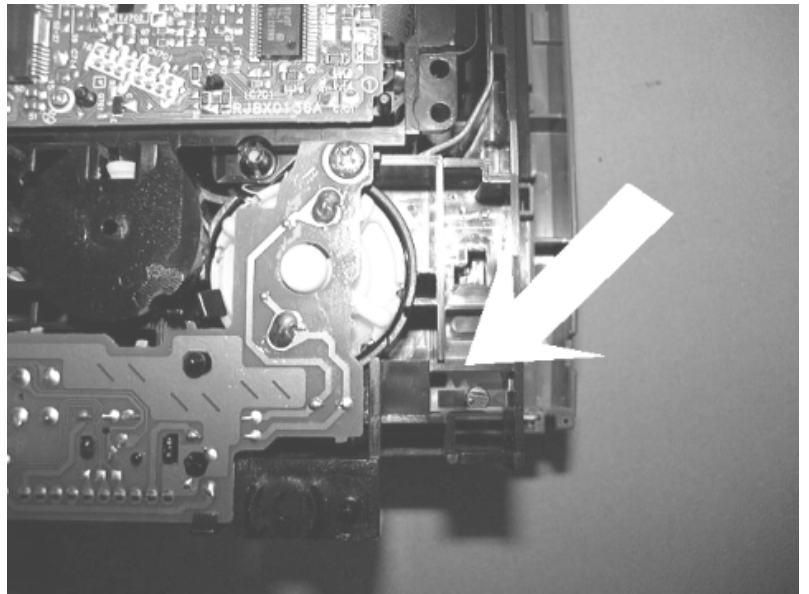


Figure 6

- 8) There is one mounting pin on the traverse chassis (361) close to the tray motor and another on the opposite side of the traverse assembly (Figure 7). Pry the mounting pin closest to the tray motor inward to release the pin. Once this pin is released, the mechanism will drop free.

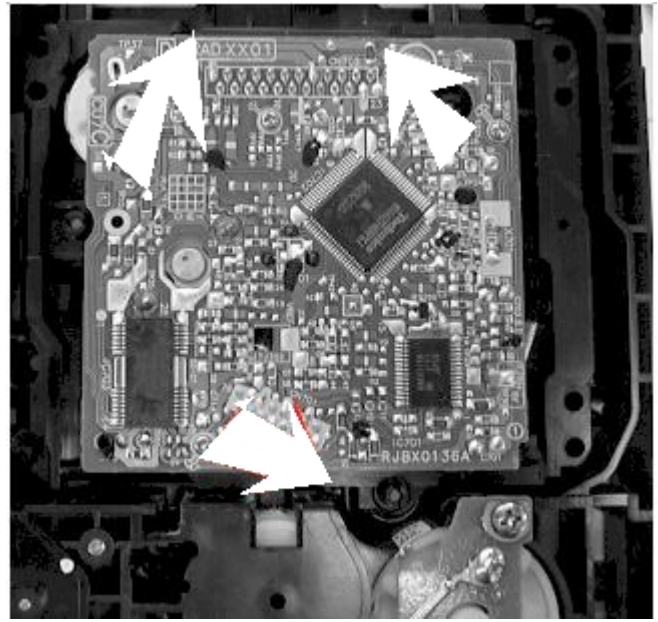


Figure 7

Traverse Unit Replacement

- 1) Place the mounting pin on the traverse chassis (361) opposite the tray motor in the slot first, and then insert the pin closest to the tray motor. This will require some manipulation of the frame.
- 2) Pull the black stopper down and push the bottom of the slide lever (318) toward from the traverse deck to release it.
- 3) Push the slide lever on the bottom of the mechanism away from the traverse deck until it aligns with the "H" Mark stamped on the frame (Figure 8)..

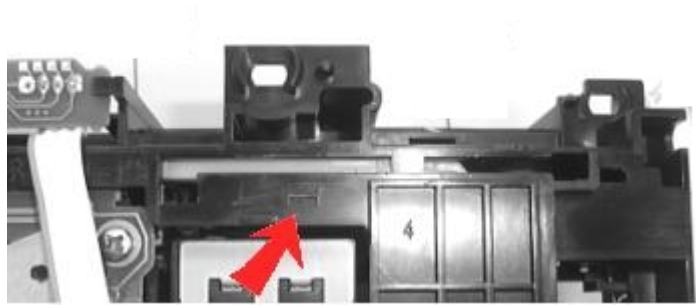


Figure 8

Tray Re-assembly

- 1) Slide the drive rack (332) away from the front of the disc tray (Figure 9).
- 2) While holding the drive rack (332), insert the disc tray assembly into the mechanism. Align the tray base (331) so that the drive gear tooth (311) is aligned in the first tooth of the drive rack. Do not let the right side of the tray base rise upward after this has been aligned (Figure 10).
- 3) Rotate the pulley gear (313) 5 or 6 revolutions to bring in the disc tray then push the tray in all the way. As stated earlier do NOT rotate the gear while the mechanism is upside down or sideways. This will cause binding of the mechanism.

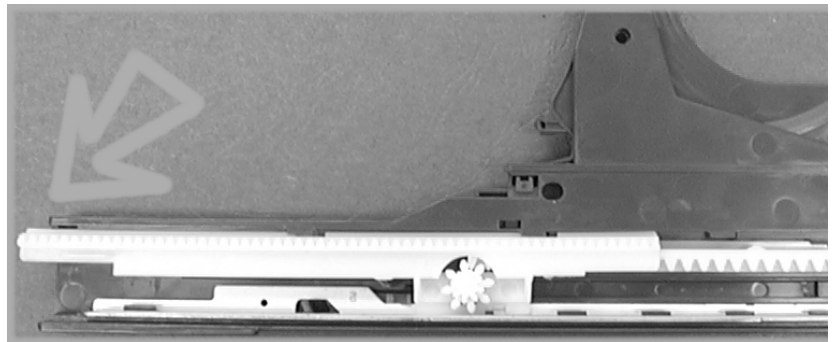


Figure 9

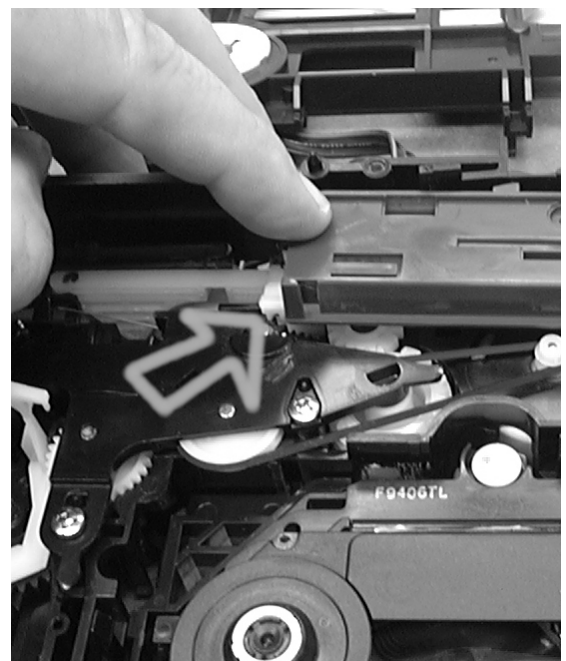


Figure 10