SANYO

SANYO Australia Pty Ltd

CONSUMER ELECTRONICS DIVISION

TECHNICAL BULLETIN No. 50   DATE: 12/02/02

SUBJECT: DVD 1500A ROCKY MODIFICATION

Fault: Does not play the boxed "Rocky" disc set. When one of these discs inserted, a clicking sound is heard as the pick-up tries to read TOC.

Cause: The discs are out of standard. The "Lead-in" track is too close to the centre of the disc.

Remedy: Modify the CD Mechanism by CD-R disc.

Method:

- **Checks:**
1. Confirm that the unit works OK with CD-DA (music) discs. You should not try to modify a unit if it does not read CD-DA's.
2. There are two (2) types of CD Mechanisms in the DVD1500A players. Therefore, two (2) type of CD-R's are used for this modification. You have to select the correct CD-R disc for the CD Mechanism type.
3. To distinguish between the types, you have to look at the label on the mechanisms CPU **IC500**. If the label is "**709610#A**" then it is the "**U**" type and if the label is "**X09605#A**" then it is the "**E**" type mechanism.
4. If there is no label on the CPU **IC500**, then you have to look at the IC's type number. If it is "**M37920FCCGP**" then it is the "**U**" type and if it is "**M37920S4CGP**" then it is the "**E**" type mechanism.
5. Make sure you use the CD-R disc with the program number "**709610A**" for the "**U**" and "**X09605A**" for the "**E**" type CD Mechanism.

- **Work:**
1. Switch on the unit and press the "**Open/Close**" button to open the tray.
2. Remove the Escutcheon from the tray.
3. Close the tray.
4. Switch the unit off and remove it from the wall socket.
5. Remove the Top Cover and disconnect two (2) Flexible Cables from the **MPEG PCB.**
6. Remove four (4) screws holding the CD Mechanism and lift it out, then turn it upside down.
7. Look at the **IC500** to confirm the CD Mechanism type ("U" or "E").
8. Select the correct CD-R disc.
9. Short out pins **4** and **8** on **CN510** test connector using a suitable jumper wire.
10. Put back the CD Mechanism and the four (4) screws, but do not connect the MPEG PCB yet!
11. Connect the unit to the power and switch it on.
12. The tray will open and place the correct CD-R disc in it. Push the disc tray to close it. (The "Open/Close" button will not work as the MPEG PCB is disconnected.)
13. The disc should rotate and after **4**-**8** second the tray should open. Wait! Do not cut off the power during this operation! If the disc tray does not open after **30** second, the modification is failed.
14. If the tray opened, remove the CD-R disc and push the tray in to close.
15. Disconnect the unit from the power.
16. Remove the short from pin **4** and pin **8** on **CN510**.
17. Connect the Flexible Cables to the **MPEG PCB.**
18. Connect the power and switch on the unit.
19. Open the disc tray and put back the Escutcheon.
20. Test the unit with different discs (DVD, VCD, CD-DA).
21. Put back the Top Cover.
- **If the modification failed.** Remove the disc and pack up the unit. Call SANYO Australia Pty Ltd for further instructions.
- **Files:**
  "**U**" type = **610A0712.ISO**
  "**E**" type = **X05A0712.ISO**