

CDP-CX200

SONY

SERVICE MANUAL

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
PX Model*

SUPPLEMENT-1

File this supplement with the service manual.

Subject : AGING MODE

SECTION 4 TEST MODE

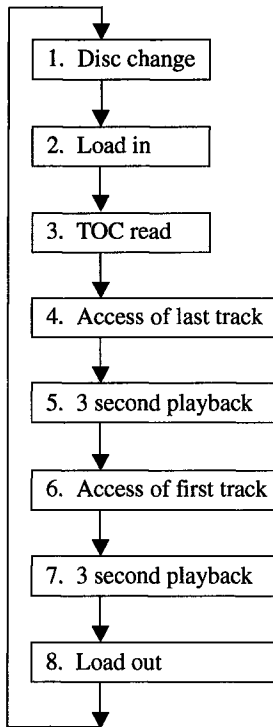
AGING MODE

Aging Mode

- Mode which repeatedly changes and plays back discs automatically in the unit.
- It will repeat aging as long as no errors occur.
- If an error occurs during aging, it will stop all servos, motors, etc. instantaneously, display the error number, and stop operations. However, the stopping conditions differ according to whether the unit is equipped with the "self-protection function during errors" described later.

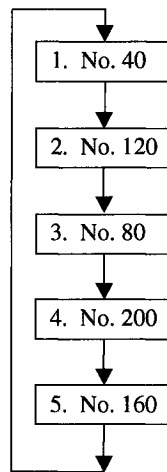
The function serves to maintain the state of the unit when errors occur.

Sequence of Aging Mode



Order of Disc Change

(1 cycle takes 3 minutes)

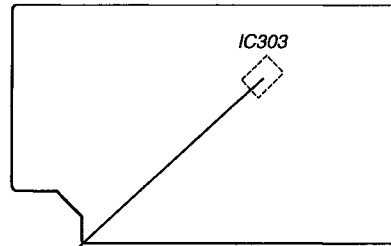


Microcomputer Version and special Functions of Aging Mode

The operations in the aging mode differ according to the version of the microcomputer used (whether it is old or new.)

The version can be differentiated as follows.

[MAIN Board] –Component Side – IC303



CXP84332-028Q : Former Type
 CXP84332-037Q : New Type
 CXP84332-045Q : New Type
 •
 or later

Special Functions in Aging Mode

	Former Type	New Type
Disc setting mode*1	None	Present
Self protection function during errors*2	None (Stops immediately when errors occur)	Present/none (Switchable)
Aging cycle count function *3	None	Present

*1 Disc setting mode:

5 discs are set before setting the aging mode. This mode makes the setting of these discs more easy.

*2 Self protection function during errors:

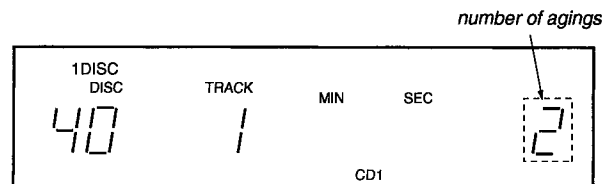
Function which voluntarily corrects errors which occur during normal operations by retries.

If this function is not provided, all operations will be stopped without retiring. It is suitable for checking errors with low reproducibility.

If this function is provided, and errors can be corrected by retries, aging will be continued without stopping.

*3 Aging cycle count function:

Functions which displays the number of agings carried out on the Fluorescent indicator tube in numbers. One aging cycle consists of five discs.



Aging Method

* The procedure differs according to the type of microcomputer used (whether it is new or old).

In the case of the new type:

1. Change the **COMMAND MODE** switch (S501) on set to **CD1**.
2. Turn ON the power of the unit. Open the front cover.
3. Press the AGING START button of the remote commander for aging mode (J-2501-123-A).
4. When the disc set mode is set, the \triangleright and \blacksquare LEDs blink.
5. Rotate the JOG dial. The slits (No. 40, 80, 120, 160, 200) for setting the discs will come forward. Insert the discs into these slits. Do not set the discs in other slits.
6. Set whether the self-protection function during errors is equipped with the unit. Press the REPEAT button. If "REPEAT" is displayed on the Fluorescent indicator tube, it means the function is provided. If "REPEAT" is not displayed, it means the function is not provided.
7. Press the \triangleright button.
8. The \triangleright LED blinks, the aging mode is set, and aging is started.
9. The aging cycle lasts 3 minutes. If errors occur during aging, the error number will be displayed on the Fluorescent indicator tube. (Refer to the following table for the details of the errors.)
10. Aging will be repeated as long as no errors occur.
11. After each aging cycle, the number displayed on the Fluorescent indicator tube will increase.
12. To end aging, press the POWER button

Error code

Code number	Name	Contents
Err 01	DISC sensor check 1	No disc in the specified slit
Err 02	DISC sensor check 2	Disc in other slits
Err 03	Table operation check 1	Table motor current over
Err 04	Table operation check 2	No table sensor input
Err 05	Loading operation check 1	Load in timeover
Err 06	Loading operation check 2	Load out timeover
Err *1	BU related check 1	Access timeover
Err *2	BU related check 2	High speed search NG
Err *3	BU related check 3	Q data read error
Err *4	BU related check 4	BU operation (from focus search to until signal can be read) timeover
Err *5	BU related check 5	GFS monitor error
Err *6	BU related check 6	Focus cannot be imposed by focus search
Err *7	BU related check 7	Auto focus bias adjustment cannot be performed

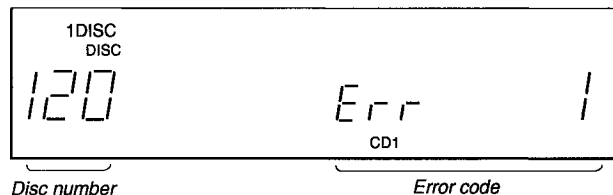
The * numbers mean the following according to the state of the unit during aging

- 2 : From chucking to end of TOC read
- 3 : From end of TOC read to end of last track playback
- 4 : From end of last track playback to end of first track playback

In the case of the Former type:

1. Change the **COMMAND MODE** switch (S501) on set to **CD1**.
2. Set the disc to No. 40, 80, 120, 160, 200. Do not set to other numbers.
3. Press the AGING START button of the remote commander for aging mode (J-2501-123-A).
4. The \triangleright LED blinks, the aging mode is set, and aging is started.
5. The aging cycle lasts 3 minutes. If errors occur during aging, the error number will be displayed on the Fluorescent indicator tube.
6. Aging will be repeated as long as no errors occur.
7. To end aging, press the POWER button.

Error Display



Note) The error codes for the former type are displayed in hexadecimal digits.

Refer to the conversion table.

Hexadecimal→Decimal Conversion Table

Hexa-decimal	Deci-mal	Hexa-decimal	Deci-mal	Hexa-decimal	Deci-mal	Hexa-decimal	Deci-mal
01	01	15	21	1F	31	29	41
02	02	16	22	20	32	2A	42
03	03	17	23	21	33	2B	43
04	04	18	24	22	34	2C	44
05	05	19	25	23	35	2D	45
06	06	1A	26	24	36	2E	46
		1B	27	25	37	2F	47

