

JVC

SERVICE MANUAL

MICR COMPONENT MD SYSTEM

UX-A70MD

Supplement

Area Suffix

UB	.....	Hong Kong
UF	.....	China
US	.....	Singapore
UT	.....	Taiwan
UJ	.....	US military
UP	.....	Corea

■ It will guide to be change in the following in service manual UX-A70MD No.20901 issued before.

- 1.The mistake is partially found in MD and the CD adjustment, and all sentences are replaced.
(Refer to page 1-28 ~ 1-31 of service manual UX-A70MD No.20901)
2. Guide of extension cable for repair.

Parts No.	Usage
QUQ110-2130BM	Extension for MD unit
EXTUXA70MD-14P	Extension for CD unit (2 piece use)

Contents

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1)CD section -----	1-2
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Adjustment Method (CD/MD section)

1. Jigs and test instruments

- Laser power meter
- Laser power meter sensor (or disk sensor)
- Premastered disk (MRG-1018)
- Recordable disk

2. Adjustment and check items

1) Indications in the modes that all LCD's are on

2) CD section

- (1) Indication of the C1 error
- (2) Cancel of the C1 error indication

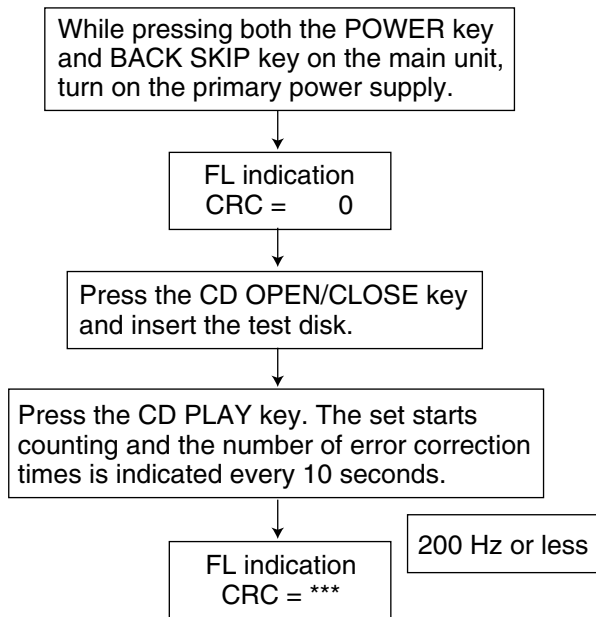
3) MD section

- (1) Setup of the TEST MODE 1
- (2) Initialization of the EEPROM
- (3) Adjustment of the laser power
- (4) Adjustment of the disk
- (5) Setup of the TEST MODE 2
- (6) Indication of variation in the pickup adjustment value
- (7) Indication of the C1 error
- (8) Cancel of the TEST MODE

3. Adjustment and check method

1) CD section

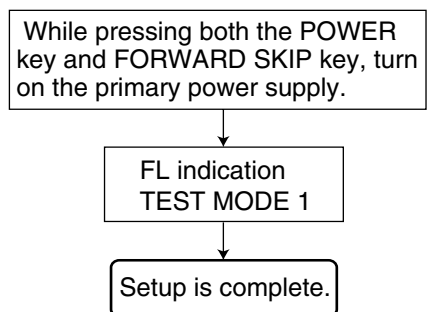
- (1) Indication of the C1 error



- (2) Cancel of the C1 error indication
To cancel the C1 error indication, cut off the power supply.

2) MD section

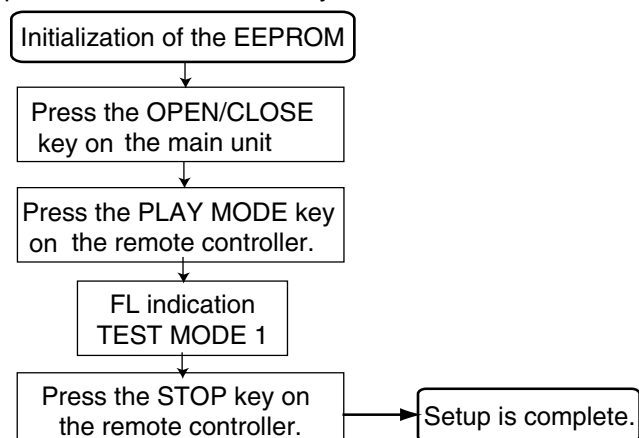
(1) Setup of the TEST MODE 1



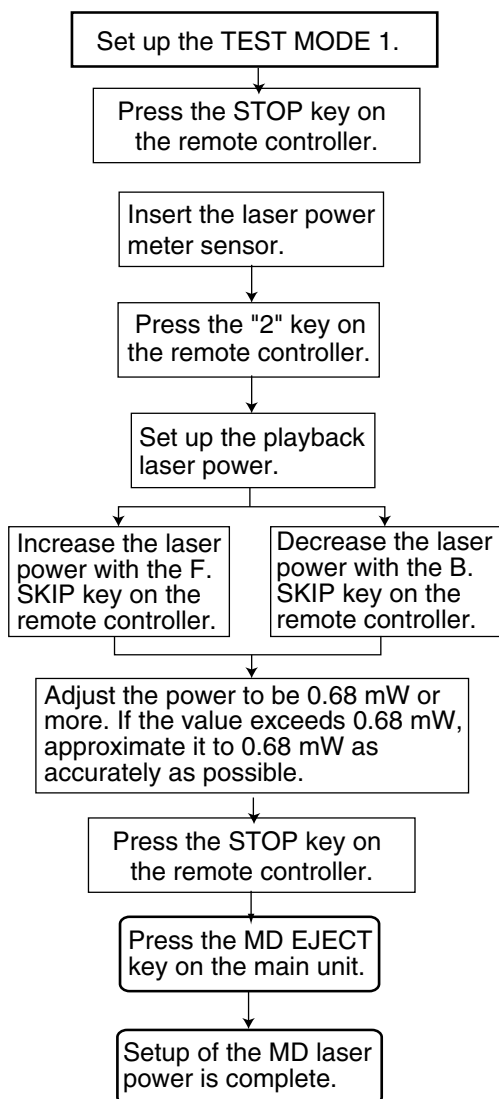
(2) Initialization of the EEPROM

(The EEPROM can be initialized on the precondition that the setup of the TEST MODE 1 is complete. After setup of the TEST MODE 1, proceed to the following operations with the remote controller*.)

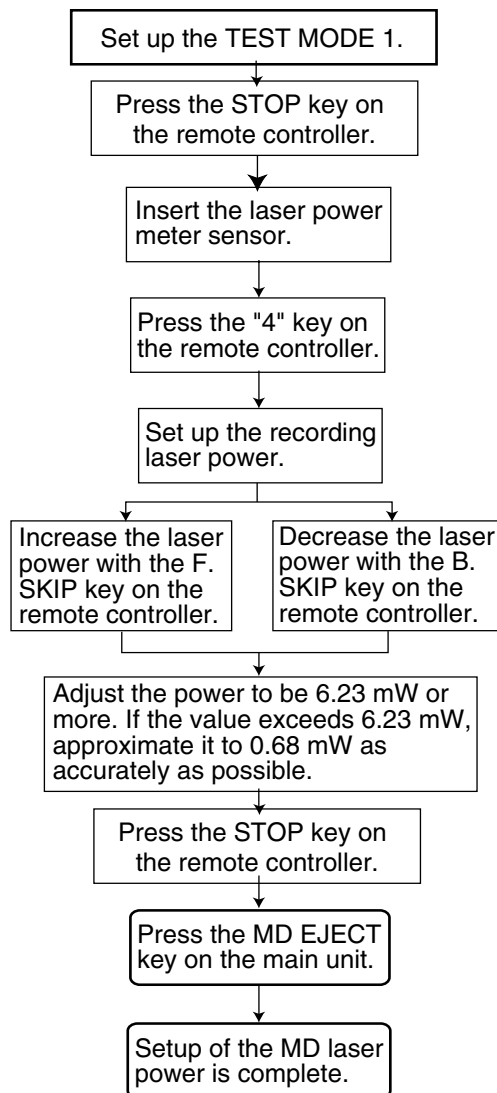
* For EJECT operation, use the EJECT key on the main unit.



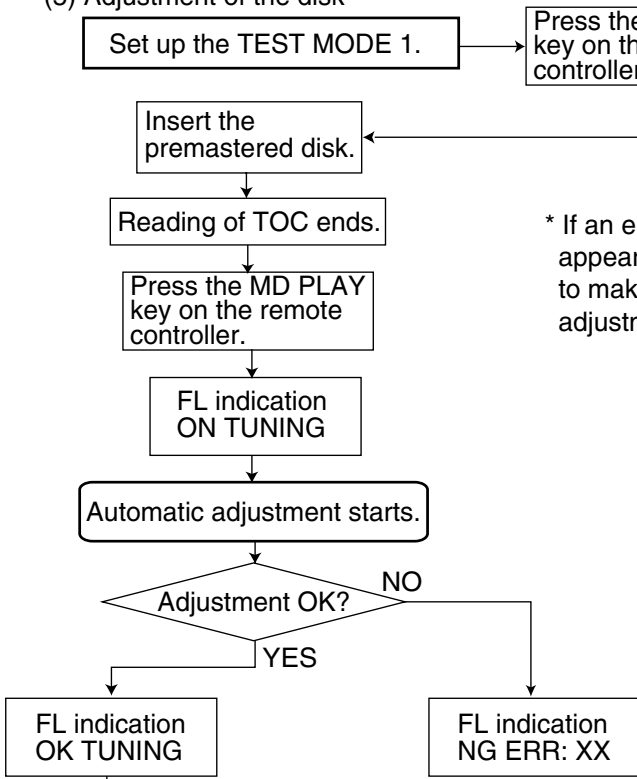
(3) Adjustment of the playback laser power



(4) Adjustment of the recording laser power



(5) Adjustment of the disk

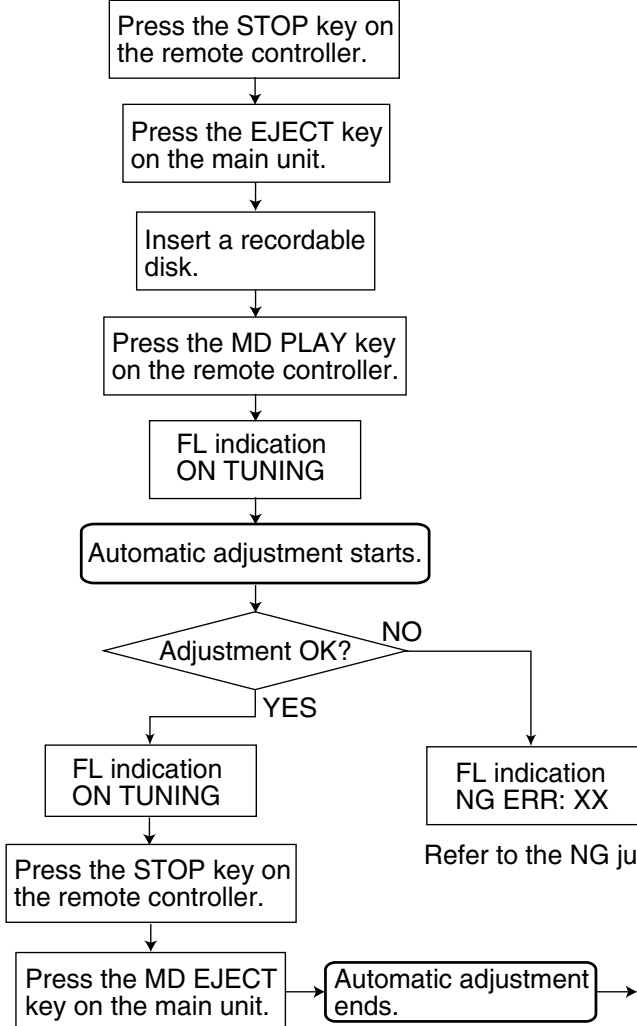


* If an error indication of "ERR:07" appears at the first adjustment, try to make a fresh start of the same adjustment.

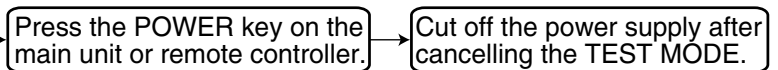
XX: Refer to the NG judgment code table.

NG Judgment Code Table

Code	NG item in adjustment
00	Automatic adjustment is incomplete.
01	Rest switch detection
02	Focus-on
03	EF balance, tracking offset adjustment (Pit area)
04	ABCD level (I-V resistance) adjustment (Pit area)
05	Focus servo AGC (Pit area)
06	Tracking servo AGC (Pit area)
07	Focus bias adjustment (Pit area)
08	EF balance, tracking offset adjustment (GRV area)
09	ABCD level (I-V resistance) adjustment (GRV area)
0A	Focus servo AGC (GRV area)
0B	Tracking servo AGC (GRV area)
0C	Focus bias adjustment (GRV area)
0D	Room temperature measurement
0E	Write in EEPROM
10	(Focus, TRK, SLED) AGC data read time-out
20	Pit area spindle lock
30	Groove area spindle lock
XX	Automatic adjustment is complete.



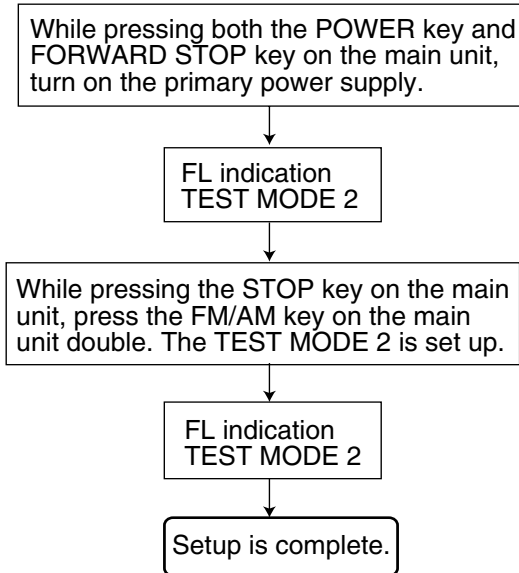
Refer to the NG judgment code table.



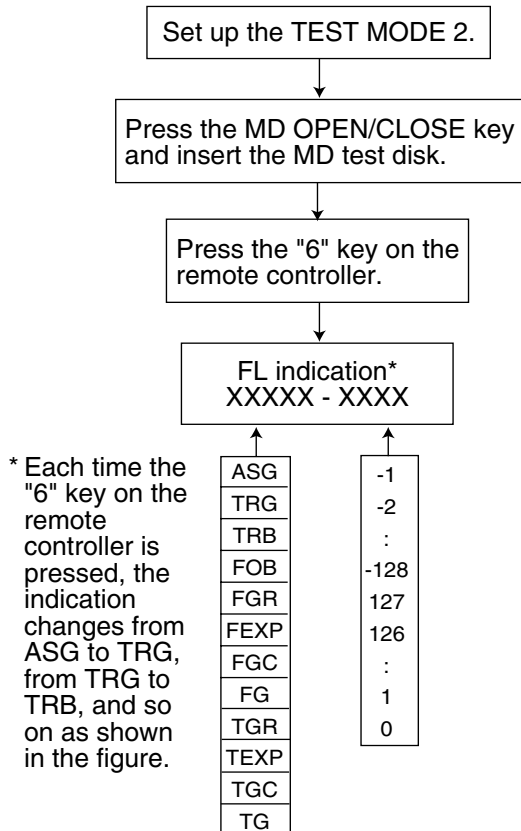
For investigating the mode in which an error occurred during the disk adjustment, freeze the set in the mode by pressing the proper key (refer to the table on the right) on the remote controller before cancelling the TEST MODE 1.

Key to press	Mode
SLEEP key (Remote controller)	FOCUS SEARCH
"6" key (Remote controller)	PIT ROUGH SERVO
"7" key (Remote controller)	GROOVE ROUGH SERVO
"8" key (Remote controller)	TRACKING ON
"9" key (Remote controller)	TRACKING OFF
STOP key (Remote controller)	STOP
EJECT key (Main unit)	EJECT

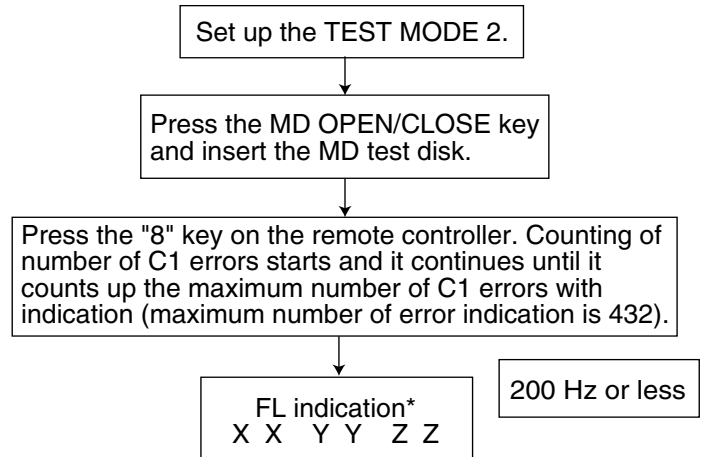
(6) Setup of the TEST MODE 2



(7) Indication of variation in the pickup adjustment value



(8) Indication of the C1 error



(9) Cancel of the TEST MODE
(The cancel operation is common to the TEST MODE 1 and 2.)

Cut off the primary power supply to cancel the TEST MODE.

UX-A70MD

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