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Service Technical Information

MODEL NO.	
	ADC–M65 / M105 / EX108 / V107
SUBJECT	
	Combinations of the Series–7 car stereo sets Do not sounds.

REF.No. :G – A0 – 087 – E0

DATE :25. OCT. 2000

<CONTENTS>

In combination of car stereo CD changer and a Series-7 car stereo head unit (see the model numbers listed below), no speaker sounds may be generated when a CD is played. If the actual occurrence of this problem is reported, please undertake the following countermeasure:

<COUNTERMEASURE>

Connect a conductor between Pins 3 and 8 of the DIN connector connected to the FELX DIN P.W.B. of the car stereo CD changer. Use a conductor about 2 cm long.



<NOTE>

The above countermeasure has already been undertaken for the products shipped in and after July 2000.

Relevant models

CDC–R507M	CDC–X507M	CDC–R517M
CDC–R707M	CDC–X707M	CDC–X7070M
CDC–R907M	CDC–X907M	
CT–R427M	CT–X427M	
CT–FR727M	CT–FX727M	
CT–FR927M	CT–FX927M	

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	–	–

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Service Technical Information

MODEL NO.
Models Incorporating MD Mechanism

SUBJECT
EEP–ROM Initialization Method

REF.No. :G – A0 – 003 – E0

DATE :18. APR. 2000

<CONTENTS>

There are instances when the MD causes erroneous action due to EEP–ROM adjustment data abnormalities. In such cases, the MD mechanism adjustment values to the default values using the methods in the following table.
After performing initialization, switch on the power again to confirm that "No Adjust" is displayed.

<NOTE>

Always make all adjustments when EEP–ROM initialization has been performed.
The MD will work even when "No Adjust" is displayed (not portable MDs).
For models without an initialization method, perform initialization by connecting the MD mechanism to a different model.

Initialization Method

EEP–ROM initialization is performed in the "All SV Off" state after the test mode has been activated.
Refer to the Service Manual for details regarding test mode and adjustment mode.

MODEL	TYPE	Initialization Method
AM–F80/75/72	D,K,EZ,HR,HC,HK	Press "DSL" and "PLAY" simultaneously when in adjust mode
AM–C80/75	U,EZ	Press "DSL" and "PLAY" simultaneously when in adjust mode
AM–HX50/55	D,HK,K,EZ	Press "STOP" and "DISP" simultaneously when in adjust mode
CSD–MD5	D,K,EZ,U,HE	Press the "PROGRAM" key
CSD–MD22	D,EZ	Hold down the "EDIT" key
CSD–MD30	D,K,EZ	Hold down the "EDIT" key
CSD–MD50	D,U,HR,EZ	Press the "SOUND" key
LCX–MD211	EZ	Press the "CLOCK/TIMER" key
XR–H220MD	D,K,EZ	Press the "POP" key
XR–H330MD	D,U,EZ,K,HD	Press the TAPE "SYNC DUB" key
XR–H550MD	D,K,EZ	Press the "GEQ" key
XR–H770MD	D,EZ	Press the "BBE" key
XR–HG5MD	EZ,K,D	Press the TAPE "SYNC DUB" key
XR–MD85	D,LH,K,EZ	Press the "TAPE/REV MODE" key
XR–MD90/95	D,U,K,EZ	No initialization method
XR–MD100	D,K,LH,U	Press the CD "OPEN/CLOSE" key
XR–MD101	EZ	Press the CD "OPEN/CLOSE" key
XR–MD200	D,K	No initialization method
XR–MD201	EZ	No initialization method
XR–MD710	D,K	Press the CD1 "DISC CHANGE/OPEN/CLOSE" key
XR–MDS7	D,EZ	Press the CD "EJECT" key and MD "REC/EDIT" keys simultaneously

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	–	–

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Service Technical Information

MODEL NO.	REF.No. :G – A0 – 084 – E0
AM–C80 / F80 / C75 / F75 / F72	
SUBJECT	DATE :01. NOV. 2000
No power	

<CONTENTS>

Check for the symptoms on the models concerned, and take the following countermeasures.

<SYMPTOM>

Power is not turned on even if a rechargeable battery or an AC adapter is connected.
And "OPEN" indication appears only when the lid of unit is opened.

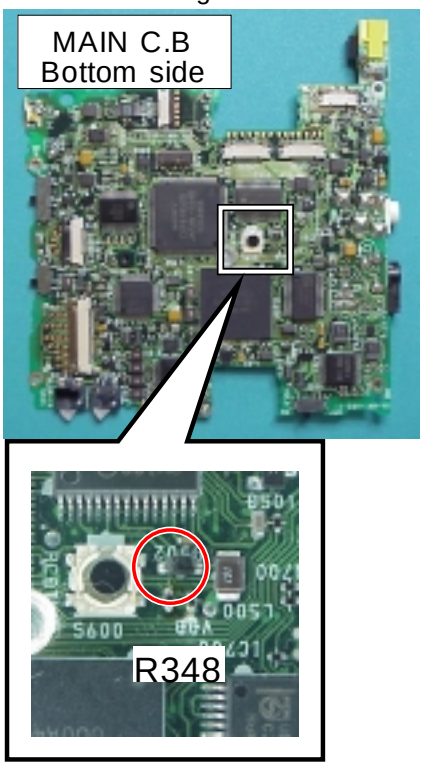
<COUNTERMEASURE>

Step 1: Measure resistance of R348 on the rear–panel side of main C.B. (See Fig–1) and check that the value is 2.2MΩ.
If the value of R348 is 100Ω, change the value into 2.2MΩ.
∗Note that a 100Ω resistor is connected in parallel with a 2.2MΩ R348 resistor.

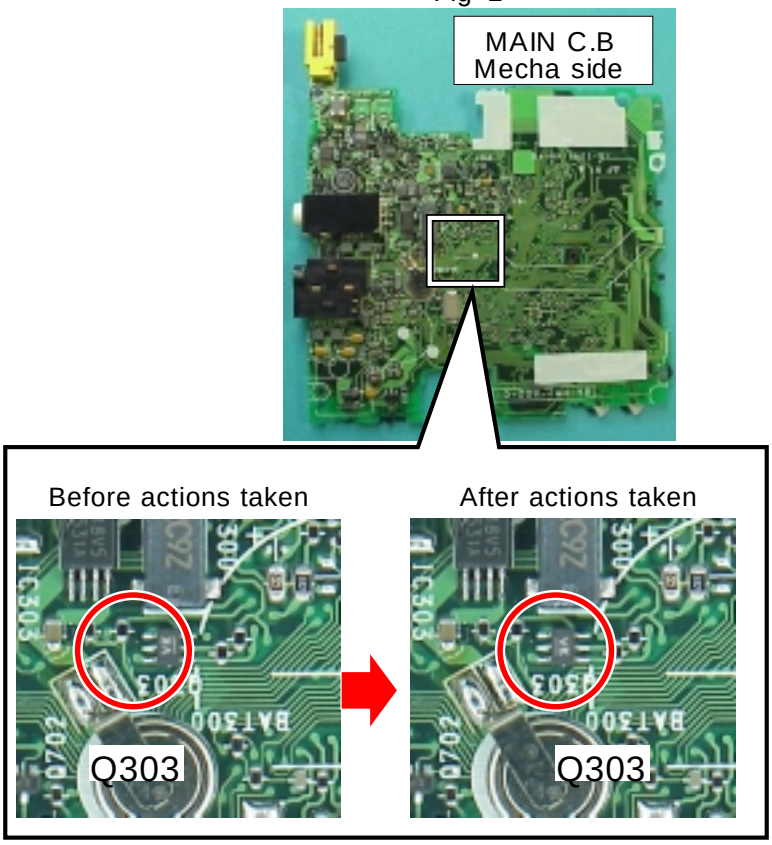
Step 2: Remove Q303 on Mechanism side of MAIN C.B. (See Fig–2), and re–mount Q303 in reversed direction (rotated in 180 degrees).
∗Check "VK" indication on Q303.

Step 3: Connect an AC adapter after taking the actions above, and leave the unit for more than 8 hours.

Fig–1



Fig–2



G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	–	–

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Service Technical Information

MODEL NO.	
	AM–C80 / F80 / F75
SUBJECT	
	Come–off of screws fixing the mechanism chassis

REF.No. :G – A0 – 065 – E0

DATE :26. SEP. 2000

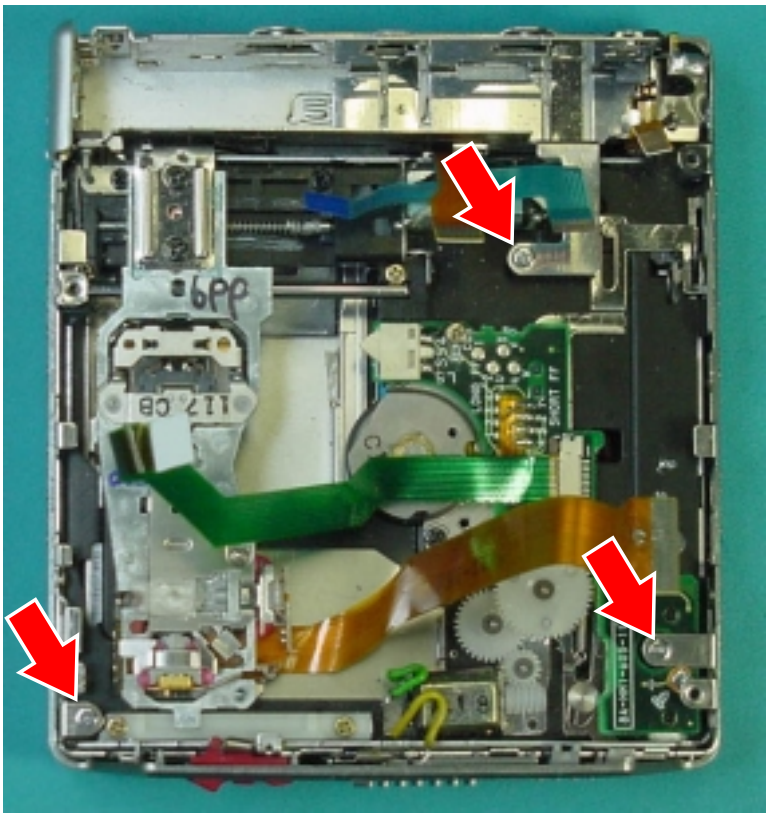
<CONTENTS>

In the above models, if one of the three screws that is fixing the mechanism was loose, the screw may cause an operation failure.
If any of the screws has come off or is loosened, take the following procedure:

<COUNTERMEASURE>

The following figure shows the positions of the three screws fixing the mechanism chassis.
Change all the three screws to the locking screws of the parts number in the table below.

∗When mounting the locking screws, confirm that the bosses for screws of the mechanism chassis have fit into the screw holes in the frame.



Exploded view (screws indicated by the arrows)

Ref.	Parts Code	Description	Remarks
–	87–HM1–243–010	S–SCREW, 1.4–1.4 CRNL	–

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	–	–

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Service Technical Information

MODEL NO.	
	AM–HX50 / HX55
SUBJECT	
	With specific disc, unable to read TOC "DISC ERROR" appears

REF.No. :G – 99 – 051 – E0

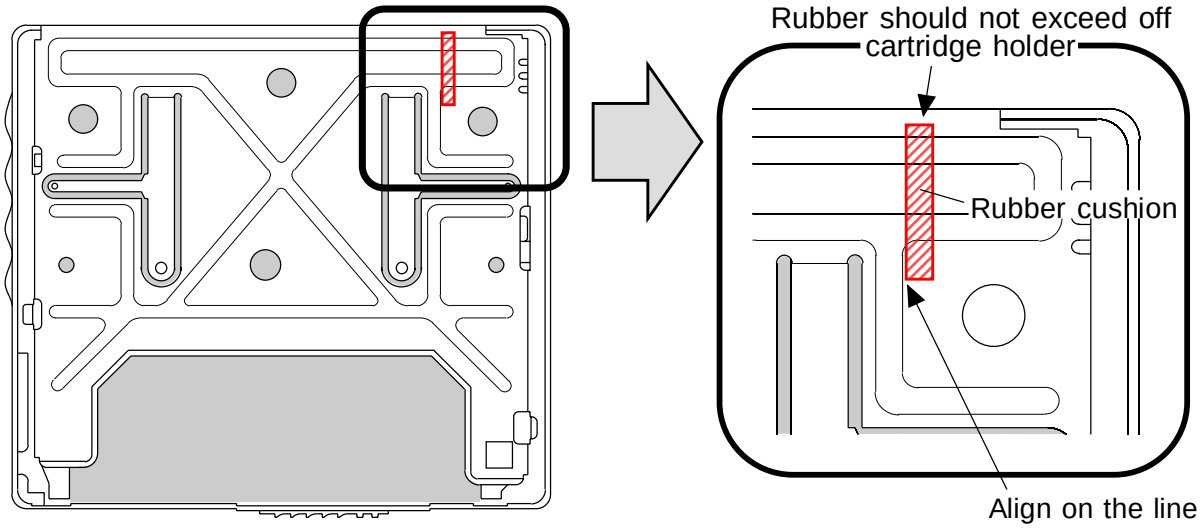
DATE :02. NOV. 1999

<CONTENTS>

Unstable TOC reading may occur due to unstable disc holding.
Take the following countermeasure.

<COUNTERMEASURE>

Remove the top panel, and attach a rubber cushion onto the cartridge holder (see figure below).



Ref.	Parts Code	Description	Remarks
–	8A–HM3–231–010	CUSH–R,CTRG	–

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	S****9B10001	9.Nov.1999

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Service Technical Information

MODEL NO.

CDC–X146M/X1460M/X176M/X1560/X1760M/X1765M
R136/R146M/R176M

SUBJECT

Malfunction of CD player

改訂版 REVISION

REF.No. :G – 99 – 052 – E1

DATE :08. DEC. 1999

Revision issue of wiring correction as follows

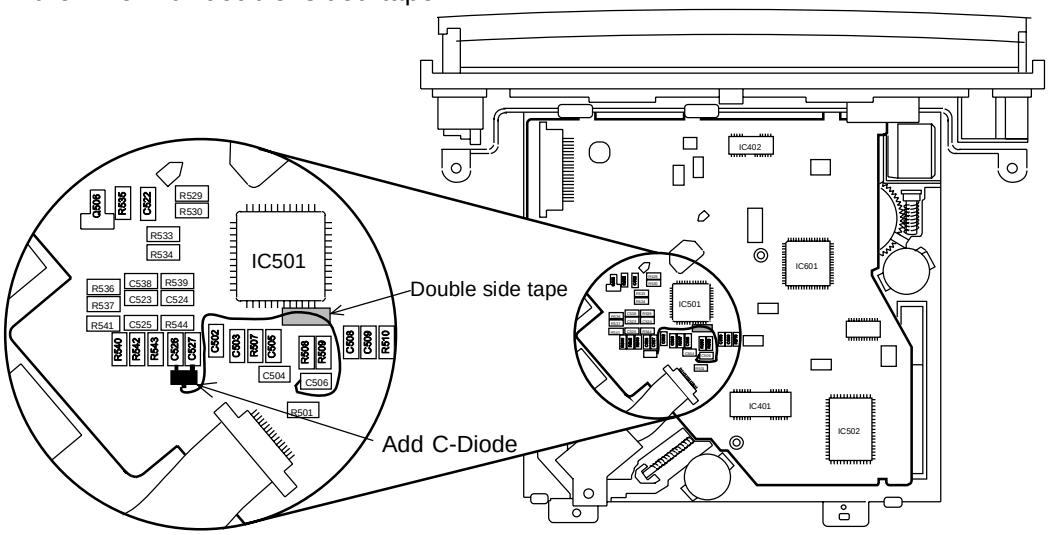
<CONTENTS>

A malfunction (No TOC, Track jump in playback, No playback, etc.) occurs on a CD player. Take the following actions on the models concerned regardless of presence or absence of the problem.

<COUNTERMEASURE>

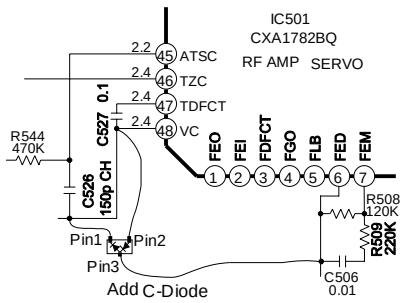
Add chip diodes to the CD P.W.B with the following procedures:

1) Add a chip diode (DAN217) to the CD P.W.B located at the bottom of CD mechanism Assy.
   - Solder Pin1 and Pin2 of the chip diode onto chip capacitors C526 and C527.
   - Solder a wire onto the Pin3 of the chip diode.
2) Solder the other end of the wire onto chip capacitor C506.
3) Fix the wire with double–sided tape.



<NOTE>

- A pickup may have been damaged.
  Check a pickup upon repair work.
- Pay attention to conductor traces under a diode.
  Affix a sheet under a diode for insulation.



Ref.	Parts Code	Description	Remarks
–	87–A40–250–080	C–DIODE,DAN217	–
–	87–600–042–210	WIRE,PC–4–2	–
–	88–ZG5–335–010	SH,2–5–0.1	–

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	S0***9A1101~	11.Nov.1999

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Service Technical Information

MODEL NO.	
	CSD–A310 / TD31 / TD32 / TD33 / TD41 / TD42 CA–DW237 / DW247 / DW257 / DW537
SUBJECT	
	Frictional noise is produced when the CD lid is closed

REF.No. :G – A0 – 041 – E0

DATE :31. AUG. 2000

<CONTENTS>

Please take the following countermeasure when there is a complaint that "frictional noise is produced when the lid CD is closed".

<COUNTERMEASURE>

Replace the HLDR CHUCK ASSY according to the following procedure:

1. Remove the chuck part from the CD lid.
   (Remove from the rear side as shown in Fig–1.)

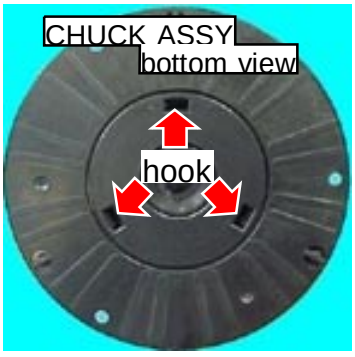
2. Release the hooks at three locations, and then remove the HLDR CHUCK.
   (See Fig–2 and 3)

3. Mount the new HLDR CHUCK ASSY (replacement part).
   Make sure that the hooks at all three locations are engaged.

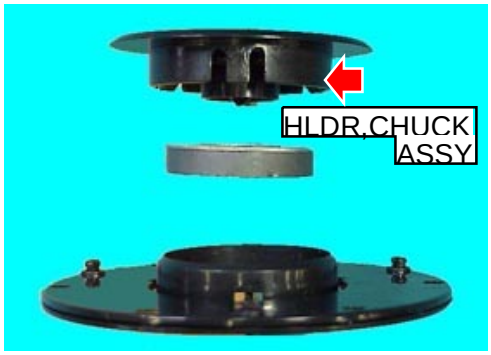
4. Mount the chuck part to the CD lid.



Fig–1



Fig–2



Fig–3

Ref.	Parts Code	Description	Remarks
–	8A–CDB–230–010	HLDR,CHUCK ASSY	–

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	S****06B****	–

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Service Technical Information

MODEL NO.	
	CSD–MD5/MD30/MD50/MD70
SUBJECT	
	MD unit does not operate (mechanism lockup)

REF.No. :G – A0 – 050 – E0

DATE :07. JUL. 2000

<CONTENTS>

On the models concerned, MD mechanism (7ZG–9) is locked up and completely disallows any operations. Take the following actions against the problem.

<COUNTERMEASURE>

Verify that the pins of MD mechanism (7ZG–9) indicated with arrows in the figure fit into the slits properly.

If the pins are off the slits, return the pins to the slits and then replace HLDR, SHILD TOP.





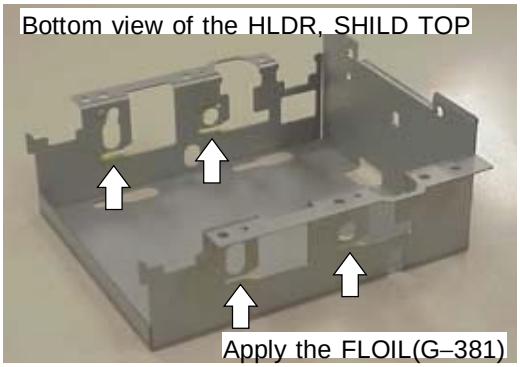
NO GOOD



NORMAL

<NOTE>

When replacing HLDR, SHILD TOP, be sure to apply FLOIL (G–381) from inside.



Ref.	Parts Code	Description	Remarks
–	87–ZG9–202–210	HLDR, SHILD TOP	–

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	–	–

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Service Technical Information

MODEL NO.
NSX-F959, KF979, F958, F969, MT960, AVF960, A959
SUBJECT
FL No DISPLAY

REF.No. :G – 99 – 014 – E0

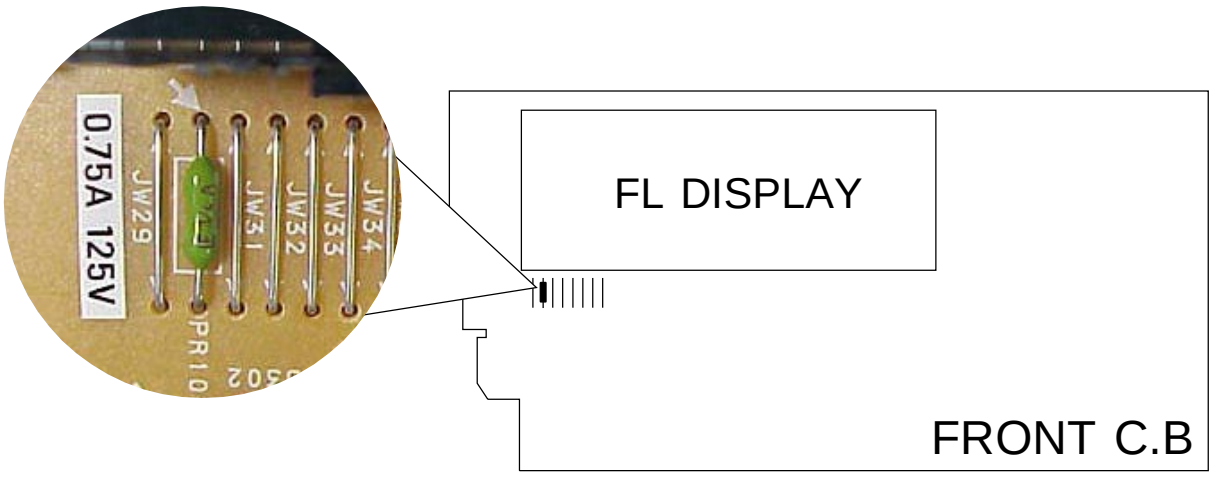
DATE :24. MAY. 1999

<CONTENTS>

In the case that PR107 is open circuit in the above model, FL No DISPLAY may occur.

<REMEDIES>

Replace the PR107 on FRONT C.B., and must affix the new LABEL FUSE as specified in the following table.



Ref.	Parts Code	Description	Remarks
PR107	87–A91–469–080	FUSE, 750mA 125V T 473	–
–	88–NF3–674–010	LABEL,FUSE 0.75A 125V	–

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	–	26–JULY

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Service Technical Information

MODEL NO.	
	LCX–137 / 157 / 337 / 356 / 357 / AC1 / DR37
SUBJECT	
	No power

REF.No. :G – A0 – 070 –E0

DATE :22. SEP. 2000

<CONTENTS>

If " No Power " is reported, take the following procedure:

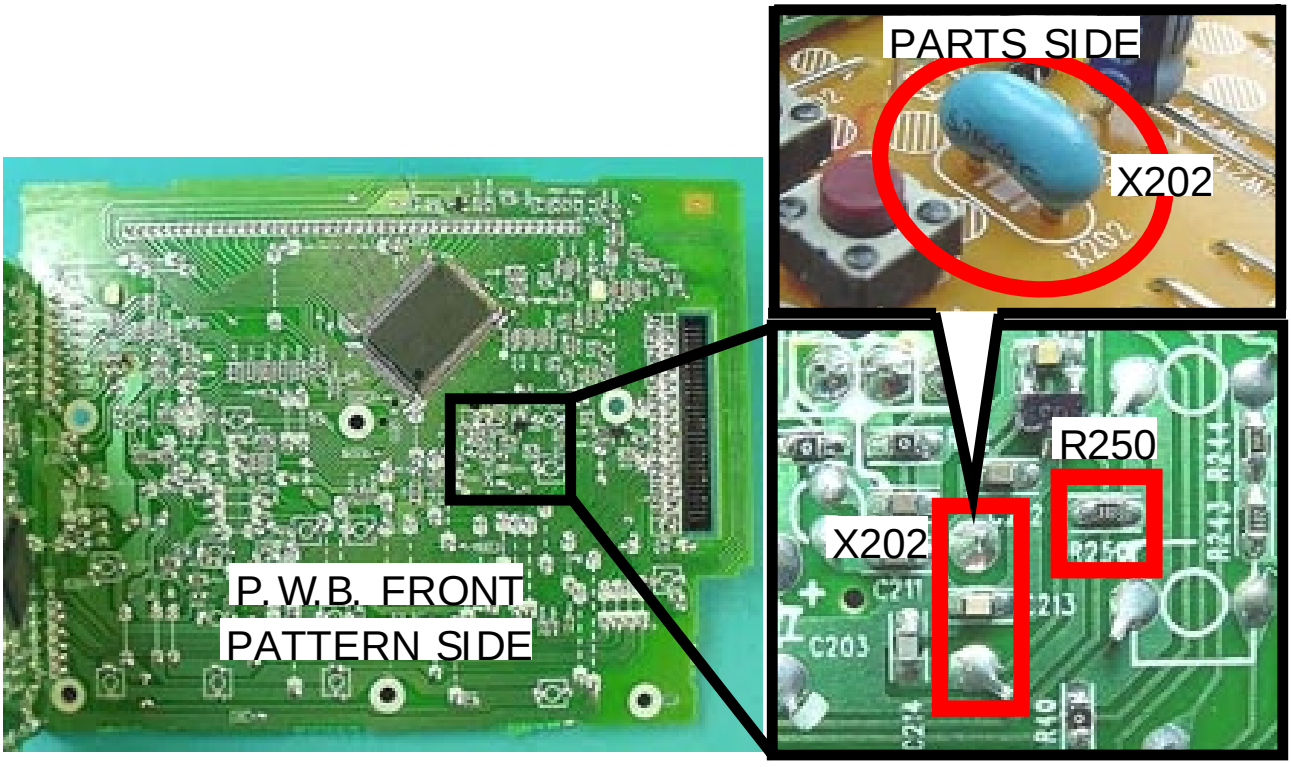
<SYMPTOM>

The clock is not displayed when AC Plug in, and pressing the power button does not bring any effect.

<COUNTERMEASURE>

Take the following steps to replace the parts:

1. Remove the P.W.B FRONT from the front cabinet.
2. Change R250 from 3.3 kΩ to 1 kΩ.
3. Check if X202 on the P.W.B FRONT is oscillating. If not oscillating, change X202 to the new one shown in the table below.



Ref.	Parts Code	Description	Remarks
X202	87–030–376–080	VIB,CER CSA5.76MG200	–
R250	88–108–102–080	RESISTOR,1/16W 1K	–

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	S****0810001	12.NOV.2000

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Service Technical Information

MODEL NO.	
	NSX–AJ20 / B75 / BL23 / DR1 / SZ20 etc
SUBJECT	
	Notes on replacing μ–COM

REF.No. :G – A0 – 073– E0

DATE :25. SEP. 2000

<CONTENTS>

The CD mechanisms mounted on the models above are broadly divided into two different types. μ–COM used on the CD mechanisms are not compatible with each other on different types. When replacing μ–COM, be sure to identify a CD mechanism with reference to the table below: Determine a type of CD mechanism by a pick up that is mounted.

RDS	Deck Mecha	μ–COM Version	KSS–213F 	KSM–880 
No	Except 6ZM–3	Old	8A–NF9–604–010 UPD780226GF–015	8A–NF9–601–010 UPD780226GF–012
		New	8A–NF9–604–110 UPD780226GF–019	8A–NF9–601–110 UPD780226GF–014
	6ZM–3	New		8A–NF9–603–010 UPD780226GF–013
Yes	Except 6ZM–3	Old		8A–NF9–602–010 UPD780228GF–059
		New	8A–NF9–606–010 UPD780228GF–073	8A–NF9–602–110 UPD780228GF–064

Applicable model

NSX–AJ20 / AJ22 / AJ24 / B75 / BL23 / BL24 / BL26 / BL28 / BL29 / BL34
DR1 / DR5 / SZ20 / SZ21 / SZ22 / SZ23 / SZ27 / SZ30 / SZ35 / SZ36

<NOTE>

If a μ–COM of an old version is mounted, replace it with one of a new version.

Ref.	Parts Code	Description	Remarks
IC901	8A–NF9–601–110	C–IC,UPD780226GF–014	AZG–1 ZD8
IC901	8A–NF9–602–110	C–IC,UPD780228GF–064	AZG–1 ZD8
IC901	8A–NF9–603–010	C–IC,UPD780226GF–013	AZG–1 ZD8
IC901	8A–NF9–604–110	C–IC,UPD780226GF–019	AZG–1ZD3 / ZD4
IC901	8A–NF9–606–010	C–IC,UPD780228GF–073	AZG–1ZD3 / ZD4

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	–	NOV.2000

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Service Technical Information

MODEL NO.
NSX–SZ50 / SZ52 / BL54 / BL56

SUBJECT
Poping sound from the speaker during POWER ON

REF.No. :G – A0 – 007 – E0

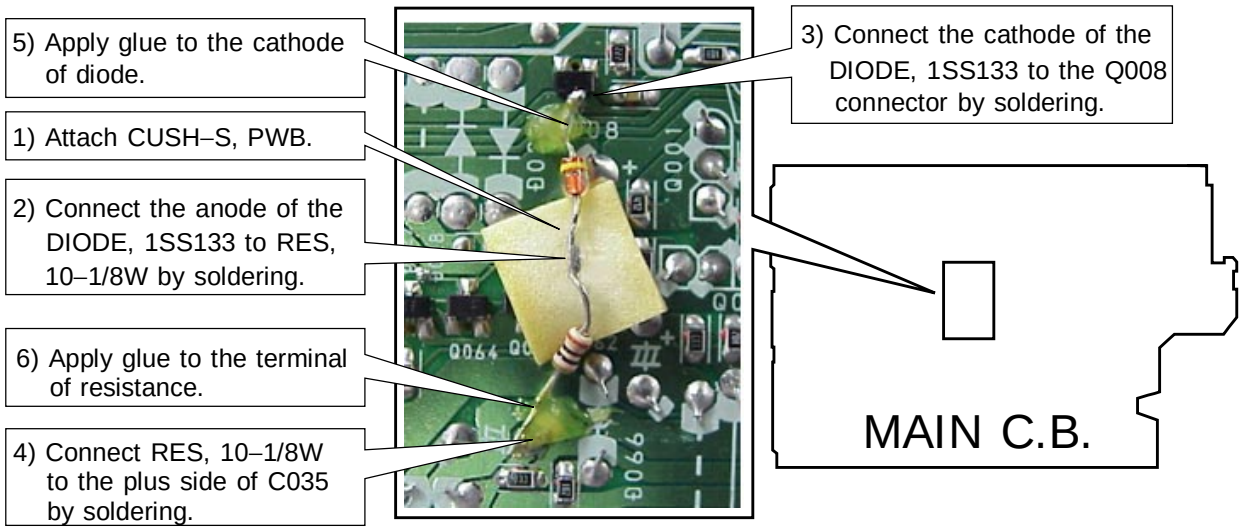
DATE :08. MAY. 2000

<CONTENTS>

It is reported that when power is turned on with ECO on, a momentary poping sound may comes out from the speakers.
Take the following actions against the above problem.

<COUNTERMEASURE>

1) Attach CUSH–S, PWB.
2) Connect the anode of the DIODE, 1SS133 to RES, 10–1/8W by soldering.
3) Connect the cathode of the DIODE, 1SS133 to the Q008 connector by soldering.
4) Connect RES, 10–1/8W to the plus side of C035 by soldering.
5) Apply glue to the cathode of diode.
6) Apply glue to the terminal of resistance.



Ref.	Parts Code	Description	Remarks
–	87–020–465–080	DIODE, 1SS133	–
–	88–121–100–070	RES, 10–1/8W	–
–	80–XV1–218–010	CUSH–S, PWB	–

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	S****03*****~	–

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Service Technical Information

MODEL NO.
XP–R210/SP910/SP911/V713/V714/V715J/V716C/V510/V511
V512/V513/V514/V516C/V410/V411/V412/V416C/SR311

SUBJECT
Change of the PICK UP Mechanism

REF.No. :G – A0 – 059 – E0

DATE :06. SEP. 2000

Quick Information

<CONTENTS>

New PICK UP Mechanism(DAA23LN) is used in the above models of which production is under way.
Pay attention to the following points when repairing the PICK UP Mechanism, since the two types are not compatible with each other.

<COUNTERMEASURE>

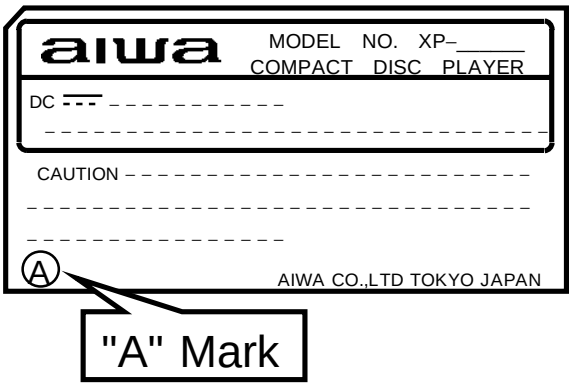
Situation:

– The pickup mechanism is changed from DA23L to DA23LN.
– The pickup mechanism of only the target models is changed.
– The microcomputer is also changed because of the change of the pickup mechanism.
– A new microcomputer is exclusively used for the new pickup mechanism (DA-23LN).
– The period of production varies depending on the model.
The new pickup mechanism and microcomputer are mounted in models that will be produced in a period from September to November approximately.

Idenifying new PICK UP Mechanism :

– A new type of PICK UP Mechanism will be mounted on a product carrying an "(A)" indication on the SPEC LABEL.

Example:



Service Manual :

–A Service Manual for the currently–used PICK UP Mechanism(DA23L) has already been released.
–A Service Manual for a new PICK UP Mechanism will be released in October, 2000.

Notes on repair :

– Check the SPEC LABEL for the suitable Service Manual.
– No change has been made in the CD TEST MODE.

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Service Technical Information

MODEL NO.	
	XR–H330MD
SUBJECT	
	Sound leakage from the High–Tone speaker during the use of the headphone set

REF.No. :G – A0 – 085– E0

DATE :24. OCT. 2000

<CONTENTS>

When the volume is increased with the headphone set mounted, sounds may leak from the High–Tone speaker.

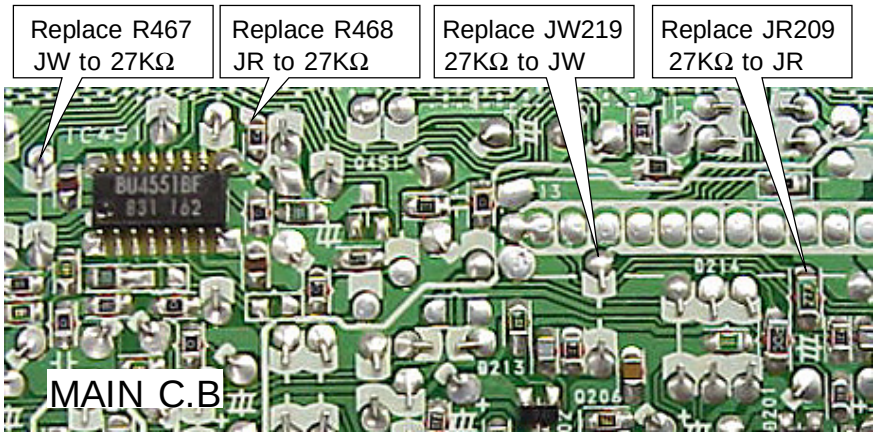
If the actual occurrence of this problem is reported, please undertake the following countermeasure:

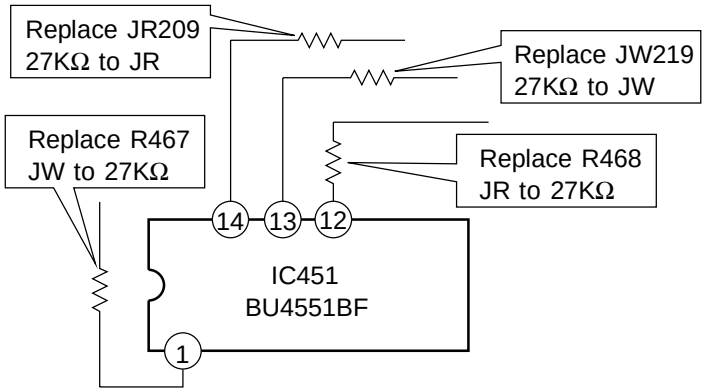
<COUNTERMEASURE>

Replace the required components mounted on the MAIN C.B. The procedure is as follows:

1) Remove the jumper wire (JW) from the R467, and instead, mount a 27KΩ resistor.
2) Remove the chip jumper wire (JR) from the R468, and instead, mount a 27KΩ resistor.
3) Remove the JR209 27KΩ resister, and instead, connect a chip jumper wire (JR).
4) Remove the JW219 27KΩ resister, and instead, connect a jumper wire (JW).

∗Use either suitable lead wires or conductors as the jumper wires.





Ref.	Parts Code	Description	Remarks
R467	88–121–273–080	RES,27K–1/8W J	–
R468	88–118–273–010	C–RES,27K–1/10 J	–

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	S****02*****~	01.DEC.2000

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Service Technical Information

MODEL NO.	
	XR–H66MD
SUBJECT	
	MD does not operate

REF.No. :G – A0 – 072 – E0

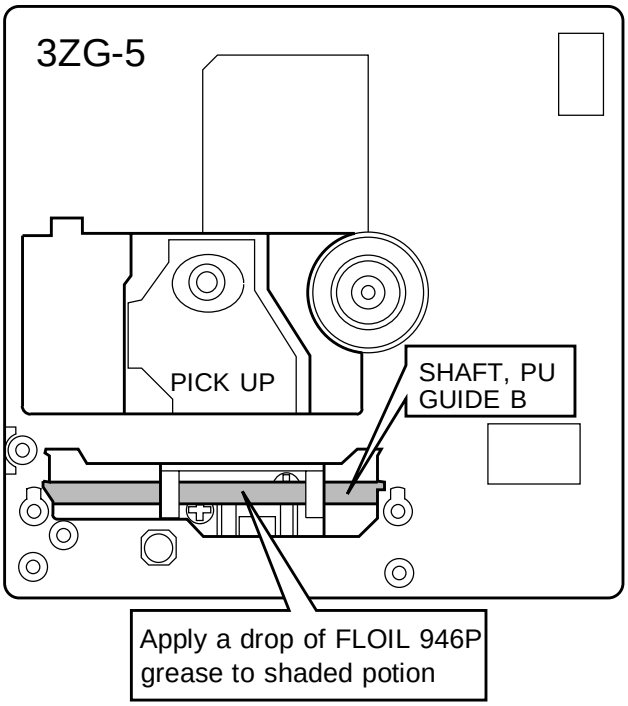
DATE :22. SEP. 2000

<SYMPTOM>

The MD mechanism does not operate because of a PICK UP locking onto a shaft.
Take the following action against the symptom.

<COUNTERMEASURE>

1) Remove SHAFT,PU GUIDE B from 3ZG–5.
2) Clean the shaft bearing of the PICK UP.
3) Replace SHAFT,PU GUIDE B with new one.
4) Apply grease (FLOIL 946P) to specified potion of the shaft.
(Then, move the PICK UP a few times for lubrication.)



<NOTE>

If movement of the PICK UP does not become smooth even after the treatment above, replace the PICK UP with new one.

Ref.	Parts Code	Description	Remarks
–	83–ZG5–251–110	SHAFT, PU GUIDE B	–

G	R	Code No.	Access Code	Modified Ser. No.	Parts Schedule
–	–	–	–	S****83*0001 ~	–