PIONEER
The Art of Entertainment

CD CDV LD PLAYER
CLD-A100
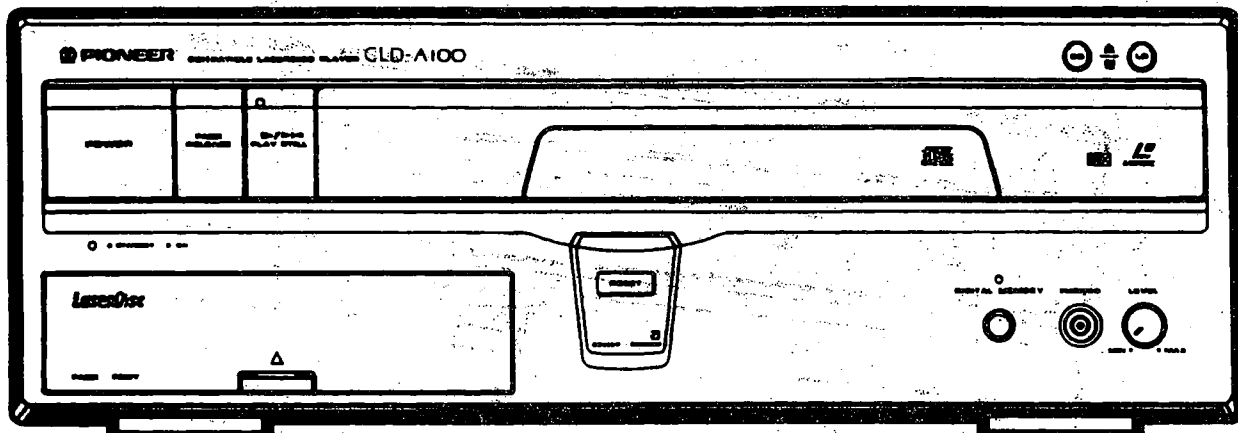
CONTROL PACK
PAC-S10

CONTROL PACK
PAC-N10

KARAOKE PACK
PAC-K1

LaserActive

PANEL FACILITIES

PACK RELEASE BUTTON
Press to release the Control Pack.

CD STOP OPEN/CLOSE BUTTON (≜)
Stops disc playback and open/closes the CD disc table

LD STOP OPEN/CLOSE BUTTON (≜)
Stops disc playback and open/closes the LD disc table

POWER SWITCH
Press to switch the power supply ON/OFF. When instal-ling/detaching the Control Pack, ensure that the power supply is OFF.

PLAY/STILL BUTTON
Press to perform playback of the disc. Press during per-forming playback of an LD or CDV disc, and the picture becomes still.

STANDBY/ON INDICATOR
Illuminates green when the power supply is switched ON by the power switch. When the power supply is switched OFF by the remote control unit, the indicator lights up red.

DISC TABLE

RESET BUTTON
Resets the games software when playing games software utilized by the separately sold Control Pack.

Control Pack installation slot

Control Pack installation slot cover
Attach when the Control Pack is not installed.
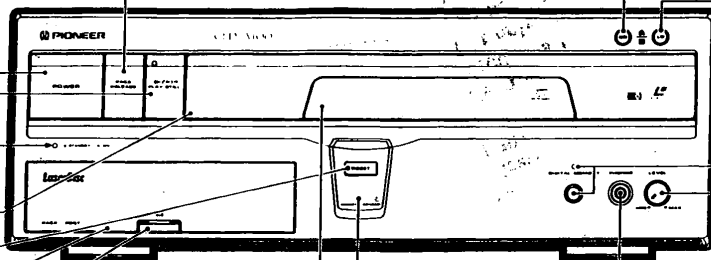
CD DISC TABLE
Exclusive use CD disc table

REMOTE CONTROL SENSOR

HEADPHONES TERMINAL (PHONES)
Insert standard type headphones.

HEADPHONES VOLUME ADJUSTMENT KNOB (LEVEL)

DIGITAL MEMORY button/INDICATOR
When playing a CAV or CLV disc, turning the digital memory function ON allows you to enjoy special playback functions such as still frame and multi-speed playback with no screen disturbance. If the digital memory function is OFF, it will automatically turn ON when you fast-forward, fast-reverse or activate a special playback function (except with CAV discs). When digital memory is OFF, screen disturbance may occur momentarily when an operation such as fast-forward is car-ried out. However, horizontal resolution is better than when digital memory is ON.

NOTES:
* *When using a special function obtained by connecting a commer-cially available adaptor (such as a caption adaptor), be sure to turn the digital memory function OFF. The adaptor will not function pro-perly if digital memory is left ON.*
* *Screen disturbance may occur momentarily when an operation such as fast-forward, fast-reverse or a special playback function is carried out when digital memory is OFF. This is not a malfunction or disc defect.*
* *This player memorizes the ON/OFF condition of the digital memory function even if the power is turned off. Turn the digital memory function ON or OFF as required the next time you play a disc. The "DIGITAL MEMORY" indicator lights when digital memory is ON.*

INSTALLING THE CONTROL PACK

1. Switch OFF the power supply to the main unit.
2. Remove the Control Pack installation slot cover.
   While lifting up the center of the cover with a finger nail, pull forward and detach.
3. Insert the Control Pack into the interior of the main appliance.
   To install accurately, lightly hold the main appliance by the top surface and carefully insert the Control Pack until the front panel is flush with the front panel of the player.

NOTES:
* *Carefully put the detached Control Pack installation cover somewhere for safekeeping, as it will be required when the Control Pack is removed from the main appliance.*
* *When the black lever protrudes in the top center of the Con-trol Pack insertion slot and the Control Pack cannot be insert-ed, press in the RELEASE button.*
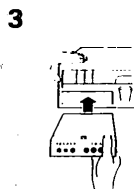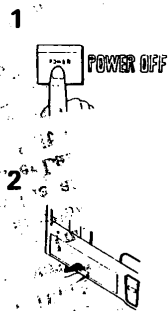
DETACHING THE CONTROL PACK

1. Switch OFF the power supply to the main unit.
2. To detach the Control Pack accurately, lightly hold the main appliance by the top surface and press the RELEASE button.
   The Control Pack is partially ejected forward.
3. Detach the Control Pack.
4. Fit the Control Pack insertion slot cover.
   First, introduce the top edge of the cover into the cover attachment slots on the main appliance, then fit the bottom edge into place.

POWER OFF

⦿ PIONEER®
The Art of Entertainment
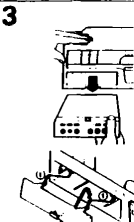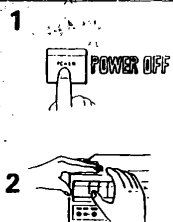
No. : SI-V48056

Date: Oct.15,1993

MODEL NO.	*	SER. NO.	MODEL NO.	*	SER. NO.	MODEL NO.	*	SER. NO.
CLD-A100/KU	A	3603101-						

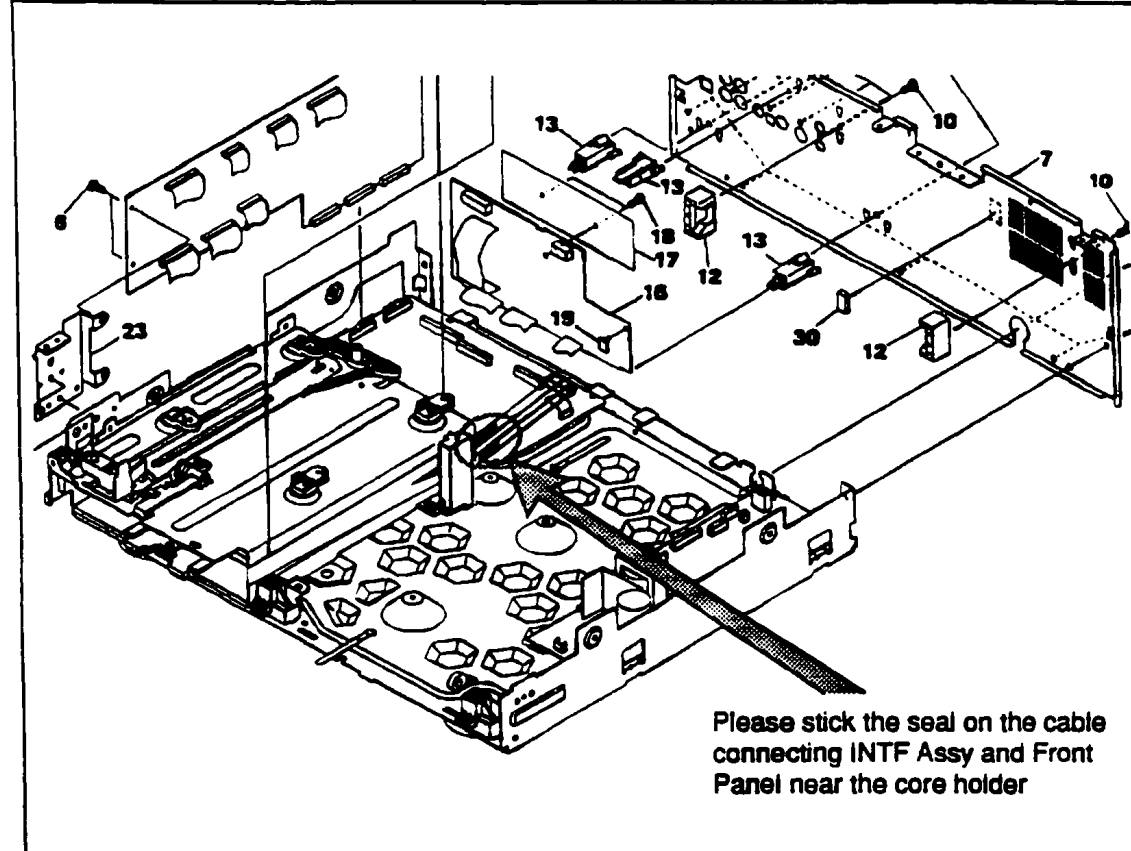| #	DETAIL OF CHANGE(S)		REASON FOR CHANGES
1	Addition of seals to the flexible cable	1	To protect the cable from burrs on its cable

Please stick the seal on the cable connecting INTF Assy and Front Panel near the core holder

	SERVICE MANUAL
MODEL :	CLD-A100
S/M NO.:	ARP2757
PAGE :	13
MODEL:	
S/M NO.:	
PAGE:	
MODEL:	
S/M NO.:	
PAGE:	
MODEL:	
S/M NO.:	
PAGE:	

Ref.		CURRENT PARTS		CO	NEW PARTS	
*	#	SYMBOL/DESCRIPTION	PART NUMBER	DE	PART NUMBER	SYMBOL/DESCRIPTION
A	1		Added	–	DEC1363	Seal

PIONEER ELECTRONIC CORPORATION   (SPC48-442,TB-16585 SPC-HK 6)

for T. Sugai

H.ABE, MANAGER
Technical Service Information & Coordination
Service Administration & Technical Information Dep.

◎ PIONEER®
The Art of Entertainment

No. : SI-V48073

Date: Oct.5,1993

MODEL NO.	★	SER. NO.	MODEL NO.	★	SER. NO.	MODEL NO.	★	SER. NO.
CLD-A100/KU	A	NG3603101-						

#	DETAIL OF CHANGE(S)		REASON FOR CHANGES
1	Change of a resistor in FTSB Assy	1	To improve playability

FTSB Assy
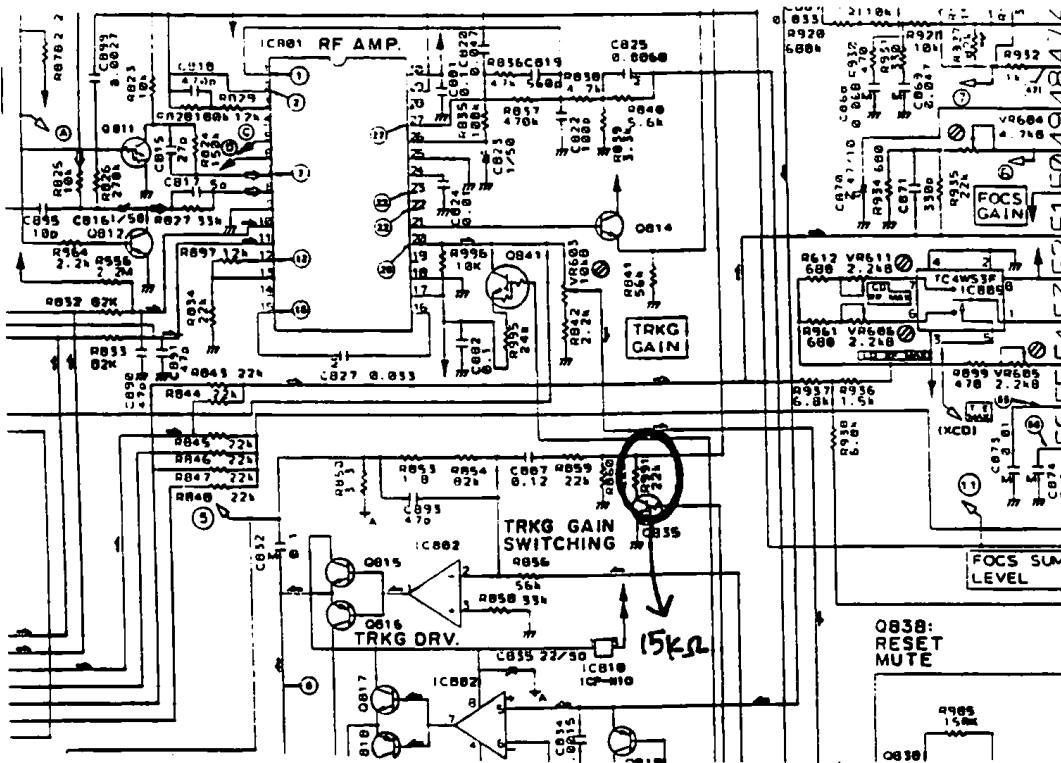
SERVICE MANUAL	
MODEL :CLD-A100	
S/M NO.:ARP2757	
PAGE : 31	
MODEL:	
S/M NO.:	
PAGE:	
MODEL:	
S/M NO.:	
PAGE:	
MODEL:	
S/M NO.:	
PAGE:	

Ref.		CURRENT PARTS		CO	NEW PARTS	
#	#	SYMBOL/DESCRIPTION	PART NUMBER	DE	PART NUMBER	SYMBOL/DESCRIPTION
A	1	R991(22kΩ)	RS1/10S223J	2	RS1/10S153J	R991(15kΩ)

PIONEER ELECTRONIC CORPORATION

(SI48631,SPC48-344,TB-16262 SPC-KI 6)

H.ABE, MANAGER
Technical Service Information & Coordination
Service Administration & Technical Information Dep.

① PIONEER°
The Art of Entertainment

No. : SI-V48117-G
Date: Dec. 21, 1993

MODEL NO.	*	SER. NO.	MODEL NO.	*	SER. NO.	MODEL NO.	*	SER. NO.
CLD-A100/KU	A	NH3606101-						
CLD-A100/KU	B	NI3614001-						

| #	DETAIL OF CHANGE(S)		REASON FOR CHANGES
1	Change of the shape of Chassis	X	To prevent mechanical noise from being audible when an LD disc is played
2	Change of Rear panel and Front stay, and deletion of spacers		

<PROBLEM> Mechanical noise is audible when an LD
          disc is played.

SERVICE MANUAL
MODEL :CLD-A100
S/M NO.:ARP2757
PAGE :11,13,14

<CAUSE> When an LD disc is clamped, the motor center
         axis is slanted due to:
         - The height of the mech mounting portions
           on the Chassis is lower by 0.5mm.
         - The mounting position of the mechanism is
           deviated toward the rear side.
         Therefore, the clamper rubs against the
         clamper arm at the rear side.

Clamper arm

Front ← → Rear

The clamper rubs
against the clamper.

Clamper
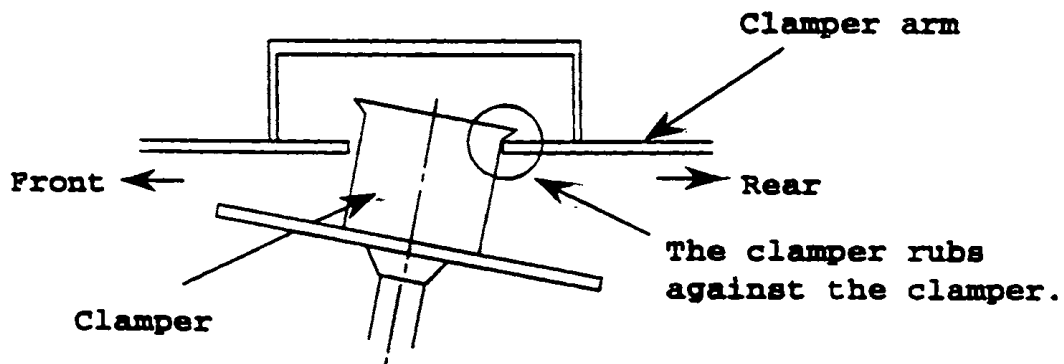
[Fig. 1]

- Please turn over. -

Ref.		CURRENT PARTS		CODE	NEW PARTS	
*	#	SYMBOL/DESCRIPTION	PART NUMBER		PART NUMBER	SYMBOL/DESCRIPTION
B	2	Rear panel	(NSP)	-	DNA1135	Rear panel
B	2	Front stay	DNE1207	-	(Unchanged)	Front stay
B	2	Spacer	DEC1743	-	Deleted	

PIONEER ELECTRONIC CORPORATION   (FA39055, TLD48-046, TB-16769 MK 120)

[signature]

H.ABE, MANAGER
Technical Service Information & Coordination
Service Administration & Technical Information Dep.

<SERVICE REMEDY>

   When you encounter the above problem:
   1. Stick 1 or 2 spacers (DEC1743) to the mech
      mounted portions of the chassis. (See Fig. 2)
      (One spacer has already been stuck there from the
       1st production.)
   2. If mechanical noise remains after the spacers
      are stuck, replace the rear panel and the front
      stay with the new parts (DNA1135 & DNE1207).

   * As to the rear panel and the front stay, only the new
     parts are available.
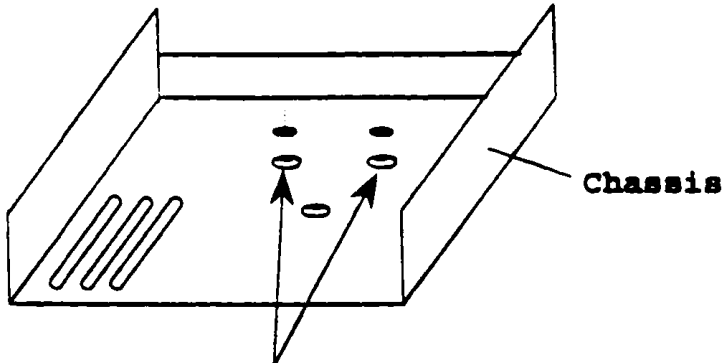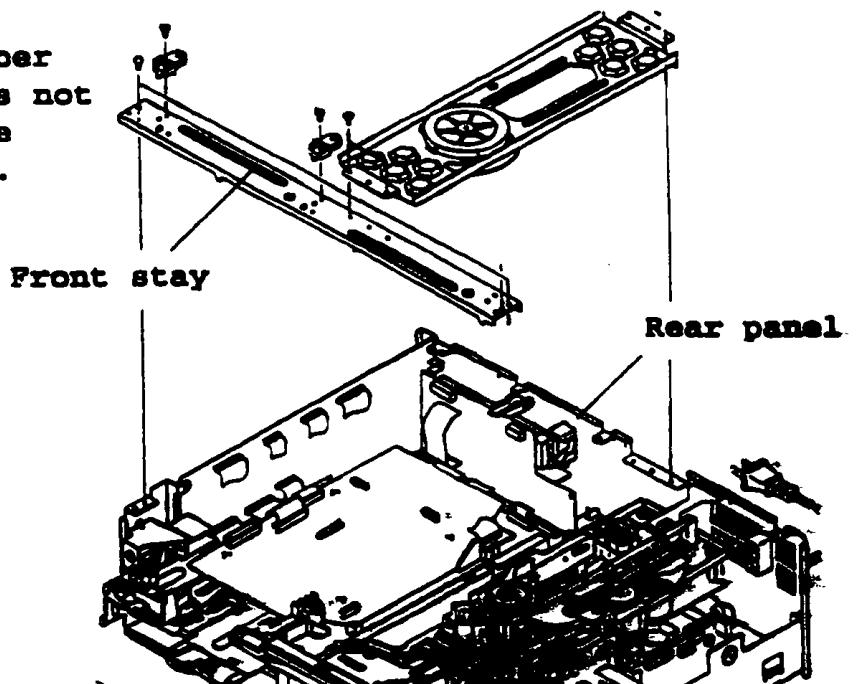

Chassis

[Fig. 2]

Stick one or two spacers
(DEC1743) to these portions.

<COUNTERACTION IN FACTORY>

   1) Improved the shape of the chassis.
   2) Changed Rear panel and Front stay, and deleted
      spacers from the chassis.

      Rear panel: N.S.P.   --->   DNA1135
      Front stay: DNE1207   --->   DNE1207*
      Spacers (x4): DEC1743   --->   Deleted

    * Although the part number
      for the front stay has not
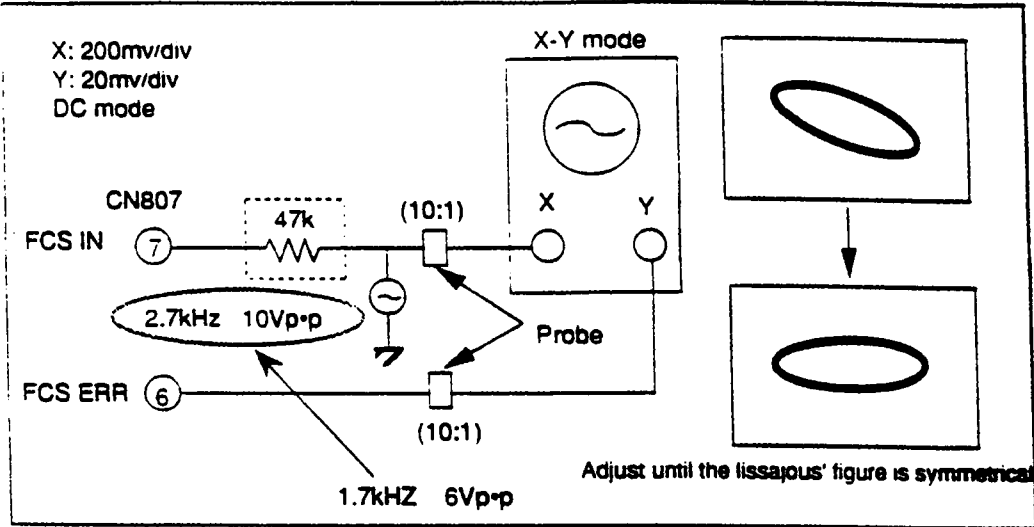   been changed, only the
      new part is available.

Front stay

Rear panel

MODEL [S/M NO.]	PAGE	INCORRECT	CORRECT
CLD-A100 [ARP2757]	80		

FCS SERVO LOOP GAIN ADJUSTMENT

X: 200mv/div
Y: 20mv/div
DC mode

X-Y mode

CN807
FCS IN ⑦ —— 47k —— (10:1) —— X Y

2.7kHz 10Vp·p

FCS ERR ⑥
(10:1)

Probe

1.7kHZ 6Vp·p

Adjust until the lissajous' figure is symmetrical

TRKG SERVO LOOP GAIN ADJUSTMENT

X: 200mv/div
Y: 10mv/div
DC mode

X-Y mode

CN807
TRK IN ⑩ —— 47k —— (10:1) —— X Y

4.3kHz 10Vp·p

TRK ERR ⑨

Probe

(10:1)

3.0kHZ 6Vp·p

Adjust until the lissajous' figure is symmetrical

ꀇ PIONEER·
The Art of Entertainment
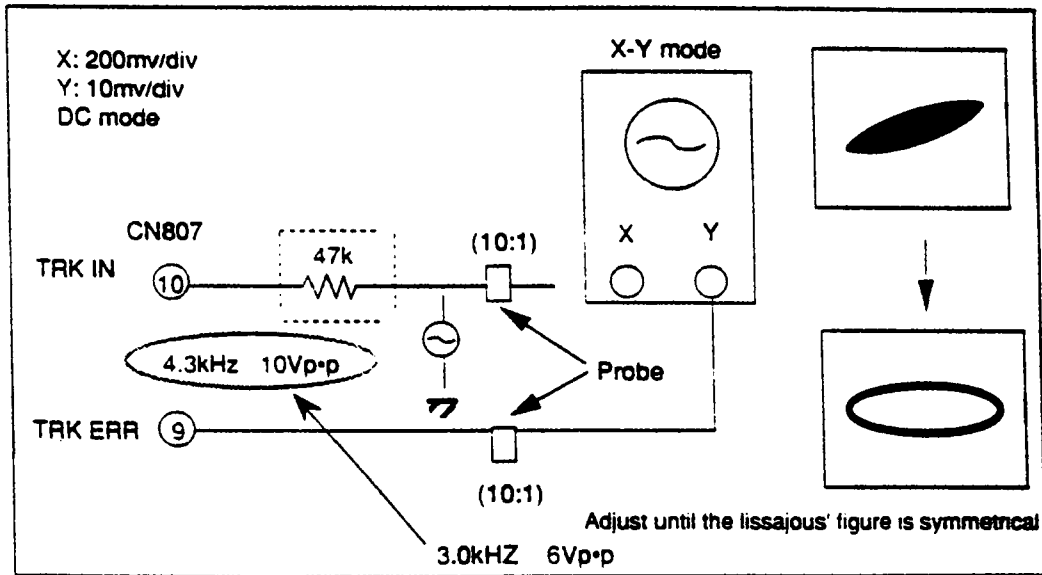
No. : SI-V48194-G

Date: MAR.25,1994

MODEL NO.	*	SER. NO.	MODEL NO.	*	SER. NO.	MODEL NO.	*	SER. NO.
CLD-A100/KU	A	3620701						

#	DETAIL OF CHANGE(S)		REASON FOR CHANGES
1	ADDITION OF SPACER PADS ON VIDEO ASS'Y	X	TO PREVENT THE 12 INCH DISC FROM BEING SCRATCHED

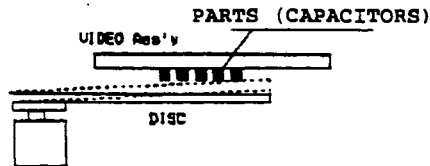<PROBLEM> THE 12 INCH DISC GETS SCRATCHED WITH A CIRCULAR MARK.

<CAUSE> DUE TO CLOSE DISTANCE BETWEEN THE DISC AND VIDEO ASS'Y IN THE DISC CLAMPED STATUS, PARTS (CAPACITORS,ETC.) MOUNTED ON VIDEO ASS'Y CONTACT WITH THE DISC WHEN A SHOCK IS APPLIED TO THE UNIT DURING PLAYBACK, CAUSING A CIRCULAR SCRATCH ON THE DISC.

FIG.1   FIG.2   PARTS (CAPACITORS)

CIRCULAR SCRATCH   VIDEO Ass'y

DISC

12 INCH DISC

SERVICE MANUAL

MODEL :CLD-A100

S/M NO.:ARP2757

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MODEL:

S/M NO.:

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MODEL:

S/M NO.:

PAGE:

MODEL:

S/M NO.:

PAGE:
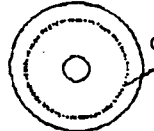
<SERVICE REMEDY> PLEASE ADD FOUR SPACER PADS ON THE PARTS MOUNTED SIDE OF VIDEO ASS'Y TO PREVENT A SIGNAL RECORDED AREA OF THE DISC FROM BEING SCRATCHED WITH A PROTECTIVE CONTACT OF THE DISC EDGE WITH THE SPACER PADS.

---PLEASE TURN OVER---

Ref.		CURRENT PARTS		CO	NEW PARTS	
*	#	SYMBOL/DESCRIPTION	PART NUMBER	DE	PART NUMBER	SYMBOL/DESCRIPTION
A	1		ADD	-	GXX1089	SPACER PAD KIT

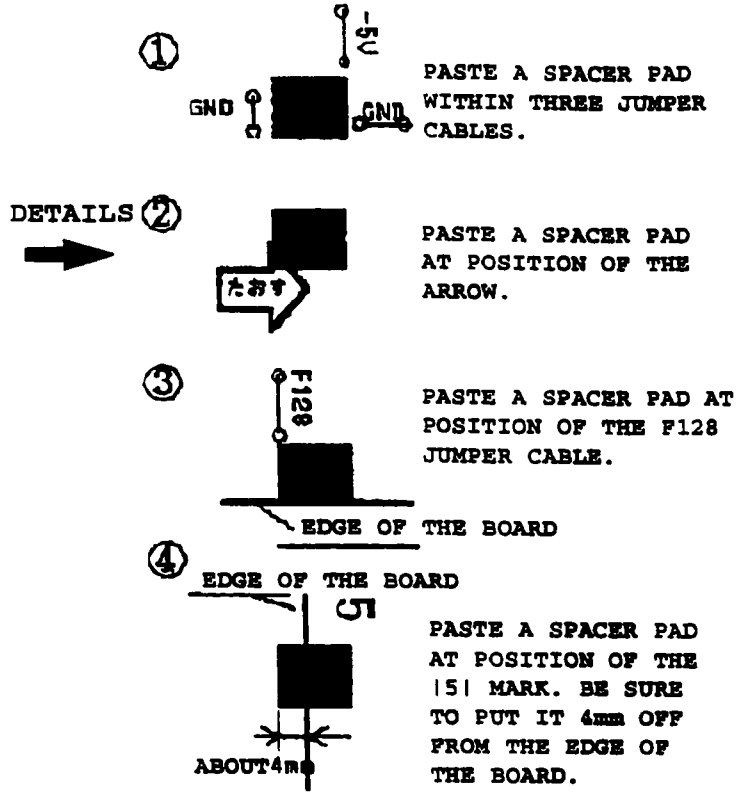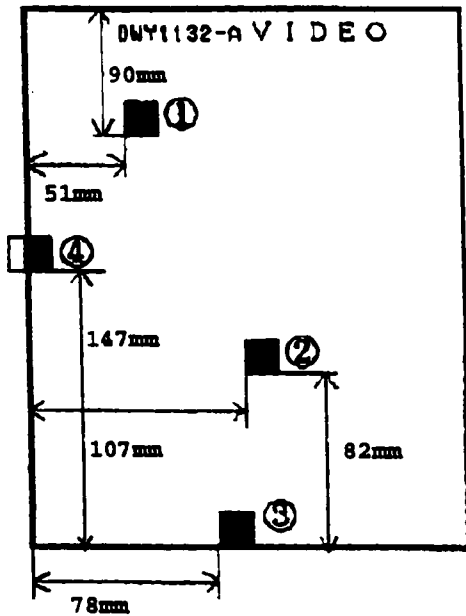PIONEER ELECTRONIC CORPORATION   TLD48-082 KI

Y.IMAMIZU, MANAGER
HE Engineering Section
Service Dep.

SPACER PAD KIT: GXX1089
PARTS INCLUDED IN THE KIT: ① -③ REB1187 (WITH ADHESIVE TAPE) X 3
                           ④   DEB1044 (WITH ADHESIVE TAPE) X 1

FIG.3:VIDEO ASS'Y-PARTS MOUNTED SIDE

DWY1132-A V I D E O
90mm ①
51mm
④
147mm
②
107mm   82mm
③
78mm

① PASTE A SPACER PAD WITHIN THREE JUMPER CABLES.
-5V
GND   GND

DETAILS ②

② PASTE A SPACER PAD AT POSITION OF THE ARROW.
たおす

③ PASTE A SPACER PAD AT POSITION OF THE F128 JUMPER CABLE.
F128
EDGE OF THE BOARD

④ EDGE OF THE BOARD
151
PASTE A SPACER PAD AT POSITION OF THE 151 MARK. BE SURE TO PUT IT 4mm OFF FROM THE EDGE OF THE BOARD.
ABOUT4mm

*NOTE (1) PLEASE LOCATE A SPACER PAD WITHIN +-1.0mm IN TOLERANCE.

      (2) AFTER PASTING A SPACER PAD ON THE BOARD, PLEASE APPLY
          THE SILICONE ADHESIVE (GYL-1002) AT TWO POSITIONS OF
          THE PAD AS SHOWN RIGHT. ALSO, PLEASE ASSEMBLE BOARDS
          INTO THE UNIT AFTER THE ADHESIVE GETS DRY.

TOP VIEW

SIDE VIEW

<COUNTER ACTION AT FACTORY>   IN ADDITION OF THE SAME ACTION AS SERVICE
                              REMEDY, TWO CABLE BINDERS HAVE BEEN ELIMINATED
                              AT THE FACTORY.

SERVICE INFORMATION

PIONEER
The Art of Entertainment

No. : SI-V49002-G

Date: APR.12,1994

MODEL NO.	*	SER. NO.	MODEL NO.	*	SER. NO.	MODEL NO.	*	SER. NO.
CLD-A100/KU	A	NJ3615501						
PAC-S10/ZU	B	**3615501						

#	DETAIL OF CHANGE(S)		REASON FOR CHANGES
1	CHANGE OF INTF ASS'Y OF CLD-A100	X	TO ACTIVATE MUTE FUNCTION BY MODIFYING MODE-CONTROL ROM OF CLD-A100 AND BIOS-ROM OF PAC-N10.
2	CHANGE OF IC23 IN SMAIN ASS'Y OF PAC-S10		

<PROBLEM> IN CASE CLD-A100 IS USED WITH PAC-S10, AUDIO NOISE IS NOTICEABLE AFTER POWER TURNS ON OR WHEN A REGULAR CD/LD DISC IS PLAYED.

<CAUSE> WHEN CLD-A100 IS CONNECTED WITH PAC-S10, A SLIGHT AMOUNT OF NOISE ALWAYS RUNS INTO FM AUDIO GENERATED FROM IC6 IN SMAIN ASS'Y OF PAC-S10, REGARDLESS OF THE STATUS OF CLD-A100.

<COUNTERACTION IN FACTORY>

MODE-CONTROL ROM IN INTF ASS'Y OF CLD-A100 AND BIOS-ROM IN SMAIN ASS'Y OF PAC-S10 HAVE BEEN CHANGED TO ACTIVATE MUTE FUNCTION AGAINST THE NOISE. AUDIO OUTPUT GENERATED FROM CLD-A100 WILL BE MUTED AFTER POWER TURNS ON, AND FM AUDIO GENERATED FROM PAC-S10 WILL BE MUTED WHEN A REGULAR DISC, EXCEPT A GAME SOFTWARE, IS PLAYED.

(1) CLD-A100/KU: INTF ASS'Y HAS BEEN CHANGED BY DWM1341.

*PART NUMBER OF DWM1341, INCLUDING A MODIFIED MODE CONTROL ROM (DYW1326), REMAINS SAME.

(2) PAC-S10/ZU: IC23 IN SMAIN ASS'Y HAS BEEN CHANGED BY PDJ008E.

SERVICE MANUAL

MODEL :CLD-A100

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MODEL:PAC-S10

S/M NO.:ARP2779

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MODEL:

S/M NO.:

PAGE:

MODEL:

S/M NO.:

PAGE:

Ref.		CURRENT PARTS		CO	NEW PARTS	
*	#	SYMBOL/DESCRIPTION	PART NUMBER	DE	PART NUMBER	SYMBOL/DESCRIPTION
B	2	IC23 (PAC-S10)	PDJ008D	1	PDJ008E	IC23 (PAC-S10)

PIONEER ELECTRONIC CORPORATION

TLD48-088, SI48201

[signature]

SERVICE INFORMATION

(Q) PIONEER
The Art of Entertainment

No. :SI-V49016-G

Date: MAY.6,1994

MODEL NO.	*	SER. NO.	MODEL NO.	*	SER. NO.	MODEL NO.	*	SER. NO.
PAC-S10/ZU	A	6919901-						

#	DETAIL OF CHANGE(S)		REASON FOR CHANGES
1	CHANGE OF AUDIO MIX CIRCUIT	X	TO PREVENT HIGH FREQUENCY AUDIO OF GAME SOFTWARE FROM BEING DISTORTED

<PROBLEM> WHEN A CERTAIN SEGA GAME SOFTWARE IS PLAYED,
HIGH FREQUENCY AUDIO IS DISTORTED.

<CAUSE> IN CASE THE RECORDING LEVEL OF A SEGA GAME SOFTWARE IS
HIGH IN AUDIO, AUDIO OUTPUT FROM OP-AMP (SSUB ASSY:IC10)
IS DISTORTED DUE TO HIGH CURRENT OPERATION OF THE AUDIO
MIX CIRCUIT.

<NOTE> SINCE YOU HAVE NO SCHEMATICS IN THE SERVICE MANUAL, PLEASE JUST TAKE
THE SERVICE REMEDY IN THE FOLLOWING PAGE AS YOUR INFORMATION FOR THE
CUSTOMER'S COMPLAINT ON A CERTAIN SEGA GAME SOFTWARE.

SERVICE MANUAL

MODEL :PAC-S10

S/M NO.:ARP2779

PAGE :2

Ref.		CURRENT PARTS		CO	NEW PARTS	
#	#	SYMBOL/DESCRIPTION	PART NUMBER	DE	PART NUMBER	SYMBOL/DESCRIPTION
A	1	R31	RS1/10S332J	1	RS1/10S333J	R31
A	1	R32	RS1/10S332J	1	RS1/10S333J	R32
A	1	R58	RS1/10S332J	1	RS1/10S333J	R58
A	1	R59	RS1/10S332J	1	RS1/10S333J	R59
A	1	R33	RS1/10S103J	1	RS1/10S104J	R33
A	1	R34	RS1/10S103J	1	RS1/10S104J	R34
A	1	R38	RS1/10S222J	1	RS1/10S223J	R38
A	1	R40	RS1/10S222J	1	RS1/10S223J	R40
A	1	R39	RS1/10S331J	1	RS1/10S332J	R39
A	1	R41	RS1/10S331J	1	RS1/10S332J	R41
A	1	R42	RS1/10S272J	1	RS1/10S273J	R42
A	1	R131	RS1/10S272J	1	RS1/10S273J	R131
A	1	C33	CCSQCH822J50	1	CCSQCH821J50	C33
A	1	C34	CCSQCH822J50	1	CCSQCH821J50	C34
A	1	C16	CCSQCH122J50	1	CCSQCH121J50	C16
A	1	C17	CCSQCH122J50	1	CCSQCH121J50	C17
A	1	C117	CEV100M16	1	CEV010M50	C117
A	1	C118	CEV100M16	1	CEV010M50	C118
A	1	C21	CEV100M16	1	CEV010M50	C21
A	1	C140	CEV100M16	1	CEV010M50	C140

PIONEER ELECTRONIC CORPORATION

Y.IMAIZU, MANAGER
HE Engineering Section

TLD48-062.KI

<SERVICE REMEDY>

PLEASE MODIFY THE AUDIO MIX CIRCUIT AS SHOWN BELOW.

[FIG.1: AUDIO MIX CIRCUIT OF SSUB ASSY]

C16 1200P→120P
R131 2.7K→27K
10K→100K
R31 R33 C117 R58
FM AUDIO + PSG
IC9 3.3K→33K IC10
10/16 3.3K Game Audio L
1/50 33K IC35

IC33 PCM AUDIO
IC34
C140 R38 R39
10/16 2.2K C33 330→3.3K
1/50 22K 8200P→820P

C17 1200P→120P
R42 2.7K→27K
10K→100K
R32 R34 C118 R59
FM AUDIO + PSG
IC9 3.8K→88K IC10
10/16 3.3K Game Audio R
1/50 33K IC35

IC33 PCM AUDIO
IC34
C21 R40 R41
10/16 2.2K C34 330→3.3K
1/50 22K 8200P→820P
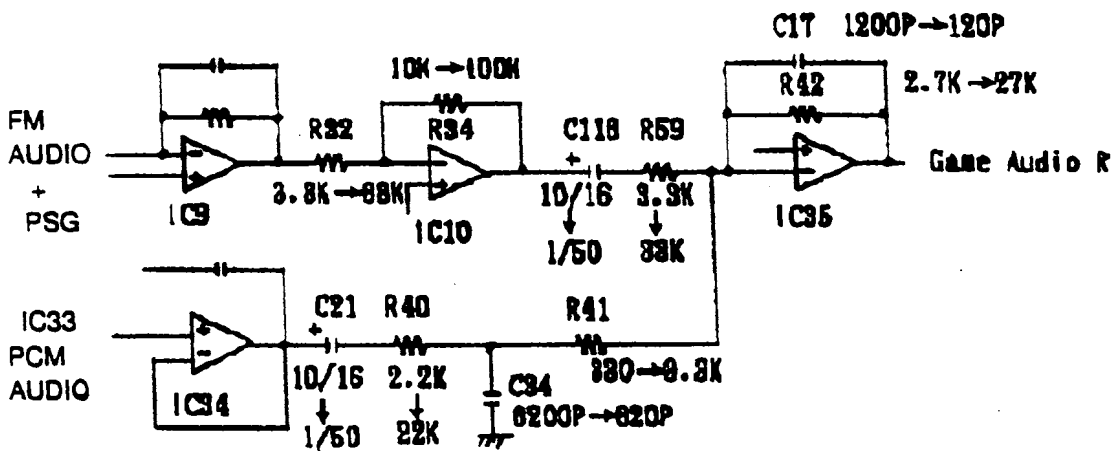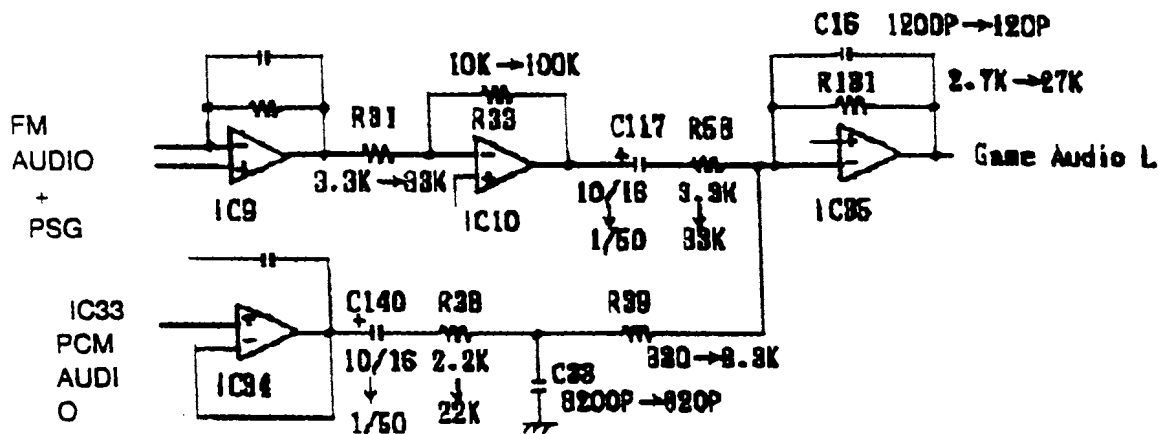
[FIG.2: SSUB ASSY REVERSE SIDE]   [FIG.3: SSUB ASSY PARTS MOUNTED SIDE]

ZOOM UP

CN8

C140 C21
C117 C118

CN8

R39 C33 R38
R131 C16
R58
R59
R42 C17
C34 R41 R40
R34 R32
R33 R31

SI-PG93010   Importance 0 To ASC YES   Fiche Yr 93
LASER ACTIVE SERVICE PROGRAM
PROCEDURES REGARDING FIELD SERVICE OF PIONEER CLDA100 LASER ACTIVE SYSTEM

SI-V48090-G   Importance 1 To ASC YES   Fiche Yr 93
CHANGE OF EJECT LEVER
INCREASE STRENGTH OF EJECT LEVER AGAINST EXTERNAL STRESS

SI-V48117-G   Importance 1 To ASC YES   Fiche Yr 93
CHANGE OF CHASSIS SHAPE, REAR PANEL AND FRONT STAY, DELETION OF SPACERS
PREVENT MECHANICAL NOISE FROM BEING AUDIBLE WHEN AND LD DISC IS PLAYED

SI-V48194-G   Importance 1 To ASC YES   Fiche Yr 94
ADDITION OF SPACER PADS ON VIDEO ASSY
PREVENT 12 INCH DISC FROM BEING SCRATCHED

SI-V480123   Importance 3 To ASC NO   Fiche Yr   0
CIRCUIT CHANGE OF VIDEO ASSY
PREVENT ELECTRICAL LEAKAGE

SI-V48056   Importance 3 To ASC YES   Fiche Yr 93
ADDITION OF SEALS TO THE FLEXIBLE CABLE
PROTECT THE CABLE FROM BURRS ON ITS CABLE

CLDA100   06/18/94   SI-BULLETIN SEARCH   F1 - Help
  SI-V48072   Importance 3 To ASC YES   Fiche Yr 93
CORRECTION TO SERVICE MANUAL
SEE SERVICE BULLETIN

  SI-V48073   Importance 3 To ASC YES   Fiche Yr 93
CHANGE OF A RESISTOR IN FTSB ASSY
IMPROVE PLAYABILITY

  SI-V48076   Importance 3 To ASC NO   Fiche Yr   0
ADDITION OF SHIELD SHEET ASSY ON PATTERN SIDE OF RGBB ASSY
SUPRESS BEAT NOISE WHEN BLACK PICTURE APPEARS ON SCREEN

  SI-V48116   Importance 4 To ASC NO   Fiche Yr   0
CORRECTION TO SERVICE MANUAL
SEE SERVICE BULLETIN

  SI-V48169   Importance 4 To ASC NO   Fiche Yr   0
CORRECTION TO SERVICE MANUAL
SEE SERVICE BULLETIN

CHAPTER VII

CLD-A100 LaserActive

The LaserActive format represents Pioneer's latest extension of the LaserDisc family of products. LaserActive is a specialized application of LD-ROM technology in a consumer oriented product. The Pioneer CLD-A100 is a comparatively high-end combination CD/LaserDisc player with an expansion slot that can accept a variety of add-on modules. One module adds compatibility with the Sega Genesis/CD video game system. A second supports all NEC Duo Soft game programs, while a third supports LaserKaraoke sing-along discs. Additional modules can be developed for future applications. The LaserActive system will, with the appropriate module installed, play Pioneer LaserActive software, Sega or NEC Duo Soft (TurboGrafx) CD-ROM or game cartridges, as well as all standard Laser Discs, CD audio Discs, CDG, and Karaoke discs. See software groups.

Since LaserActive holds more digital information than CDs, there is enormous potential and versatility. The graphics provided by the add-on modules are equal to their video game counterparts, but include the sharp full-motion video quality of a LaserDisc.

CLD-A100 has the capability to accommodate up to ten different software platforms in the same system. Currently there are thousands of existing entertainment and educational LD titles, Sega CD's, and NEC Turbo games, and LaserKaraoke programs. New programs currently being developed for the Mega-LD and LD-ROM² formats will offer even more variety.

With the expansion capabilities of the LaserActive system, the CLD-A100 is designed as a true interactive home player to be enjoyed immediately, and grow as multimedia technology offers new horizons.

Player Features and Functions

• LaserActive compatibility is accessible by installing a separately sold game pack. See section on software groups.

• Laser Karaoke compatibilities when mated with the control pack (PAC-K1).

• Convenient search functions available to find a desired scene or chapter.

• Center CD disc table mechanism and direct CD circuitry similar to the CLD-S201.

• Even as a stand alone unit the CLD-A100 has multiple disc compatibility. Not only normal LDs, CDs, and CLVs can be used, but also thin-type 8-inch LD and 3-inch CDs can be played without an adapter.

Software Groups

With the PAC-S10, customers can play the Sega cartridges and discs marked with the logos shown below.

By installing PAC-N10, the CLD-A100 becomes compatible with TurboGrafx-16 chips and discs.
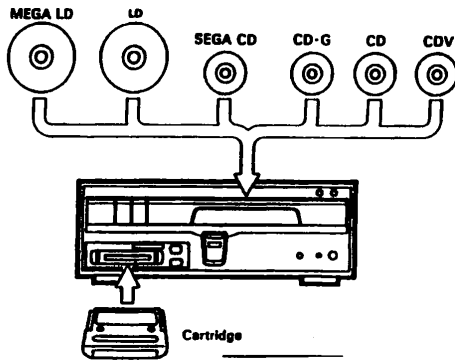
* Only the following Cartridge and discs are available with the LaserActive.
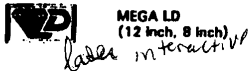
    Cartridge

* The following discs can be used by playing back with the CD CDV LD player compatible with LaserActive.

    SEGA CD

    MEGA LD
    (12 inch, 8 inch)
    Laser interactive

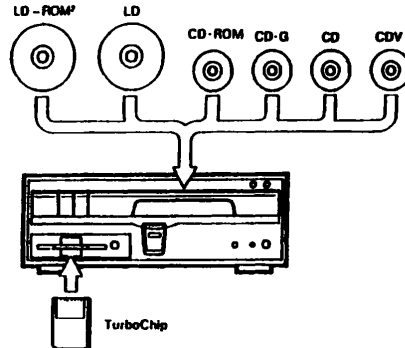|	
CD	CD (5 inch, 3 inch)
GRAPHICS	CD graphics
LD or LD	LD (12 inch, 8 inch)
CDV CD VIDEO	CDV (CD VIDEO) CD Video Single
LD CD VIDEO	LD with TOC (CD VIDEO LD) (12 inch, 8 inch)

NOTE:

CD-I game discs of other models and electronic book discs can not be used with either game packs. LaserActive is not compatible with CD graphics marked with:

> EXTENDED
> GRAPHICS

* Only the following TurboChips are available with the LaserActive.

    TurboChip

The following discs can be used by playing back with the CD CDV LD player compatible with LaserActive.

    Turbo Grafx-CD
    CD-ROM

    TurboDuo

    LD ROM²
    (12 inch, 8 inch)

CD	CD (5 inch, 3 inch)
GRAPHICS	CD graphics
LD or LD	LD (12 inch, 8 inch)
CDV CD VIDEO	CDV (CD VIDEO) CD Video Single
LD CD VIDEO	LD with TOC (CD VIDEO LD) (12 inch, 8 inch)

BLOCK DIAGRAM

ψ PIONEER
The Art of Entertainment

SERVICE
INFORMATION
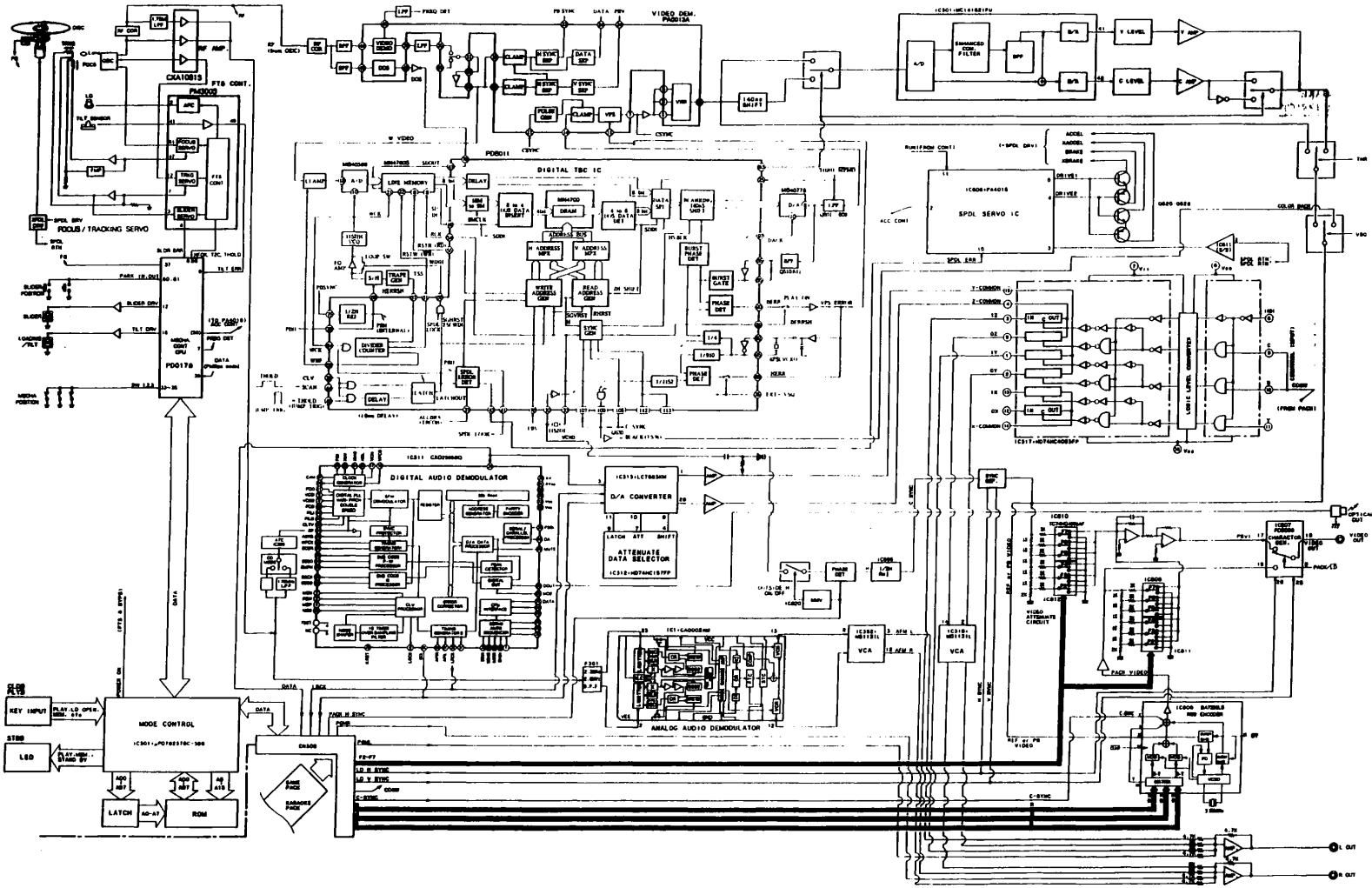
POLICY GUIDE

To: All Authorized LaserDisc Service Companies

From: National Service Operations

Subject: LaserActive Service Program

Effective immediately, following are the procedures regarding field service of Pioneer CLD-A100 LaserActive Systems.

Model Number	Description
CLD-A100	Combination CD/LD/LaserActive Player
PAC-N10	"LD-ROM " Game Pack (with hand controller)
PAC-S10	"MEGA-LD" Game Pack (with hand controller)
PAC-K1	Karaoke Pack

Limited Warranty

The Pioneer LaserActive System has a one (1) year Limited Warranty against manufacturing defects for the CLD-A100 and all three packs. The hand controllers used with the game packs have a ninety (90) day Limited Warranty. Please refer to the warranty document enclosed with the product for complete details.

When a Consumer Requests Service

Advise the consumer to bring in all elements of their system: the CLD-A100; any game packs or Karaoke packs they own with the hand controllers; game software they normally use, or the specific game with which there may be a problem.

In cases where it is obvious a normal CD or LD symptom relates to the player only, it may not be necessary to have the consumer bring in the packs or game software.

Game/Karaoke Packs and Hand Controllers

The game and Karaoke packs, as well as their hand controllers are not field serviceable. If a problem is diagnosed as possibly due to pack or controller failure, please use the following procedure to obtain an in-warranty replacement.

1. Contact your Zone Office of Technical Service (OTS) and request a "product exchange Service Return Authorization," (SRA), for the pack/controller in question. Provide all information they request.

2. An exchange pack/controller should arrive within five (5) working days. Contact the OTS if delivery is delayed.

3. The exchange paperwork will arrive by mail independent of the product. Make a copy for your records if necessary. Place the paperwork (yellow copy of SRA) with the defective pack/controller, mark the SRA # on the outside of the carton box and return to Pioneer Electronics Service, Inc., at the address listed on the SRA form

DO NOT LIST THE EXCHANGED ITEMS MODEL NUMBER ON THE WARRANTY CLAIM FORM!

4. Failure to return the defective pack or controller will result in your account being billed for the exchanged item.

Should you have any questions or require further assistance, please contact the Zone Office of Technical Service covering your location.

Thank you for your continued contribution to quality Pioneer Service.

- National Service Operations Division

	Importance	Author	Date	Distribute	F1 - Help
CLDA100	2	ALAN	93 DEC 30	Y	

SYMPTOM: TRAY DOESN'T OPEN. CD, LD INDICATOR OK BUT NO RESET
INDICATOR.
CAUSE: IC202 (ICPN50) OPEN. NO 5V (SW).
NOTE: CHECK TRACKING COIL ON PICKUP. OPEN IC202 WILL CAUSE MAX
OFFSET IN TRACKING SERVO.

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