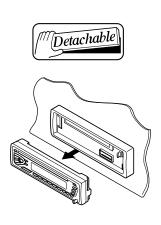
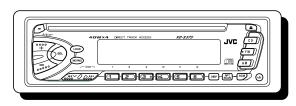
JVC

SERVICE MANUAL

CD RECEIVER

KD-S575







Area Suffix

U ---- Other Area

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Safety precaution	1-2
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Safety precaution

A CAUTION Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.

CAUTION Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

Preventing static electricity

1. Grounding to prevent damage by static electricity

Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

2. About the earth processing for the destruction prevention by static electricity

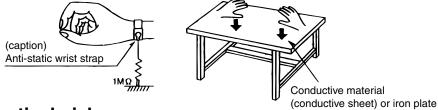
Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as CD players. Be careful to use proper grounding in the area where repairs are being performed.

2-1 Ground the workbench

Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

2-2 Ground yourself

Use an anti-static wrist strap to release any static electricity built up in your body.



3. Handling the optical pickup

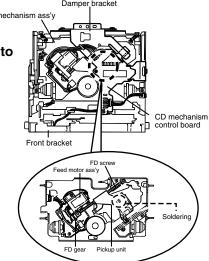
- 1. In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- 2. Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

4. Handling the traverse unit (optical pickup)

- 1. Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
- 2. Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
- 3. Handle the flexible cable carefully as it may break when subjected to strong force.
- 4. It is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it

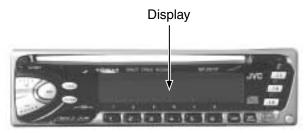
Attention when traverse unit is decomposed

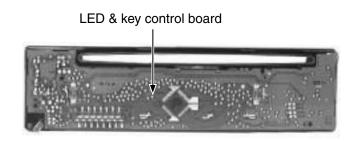
- *Please refer to "Disassembly method" in the text for pick-up and how to detach the substrate.
- 1.Solder is put up before the card wire is removed from connector on the CD substrate as shown in Figure.
 (When the wire is removed without putting up solder the CD pick up
 - (When the wire is removed without putting up solder, the CD pick-up assembly might destroy.)
- 2.Please remove solder after connecting the card wire with when you install picking up in the substrate.



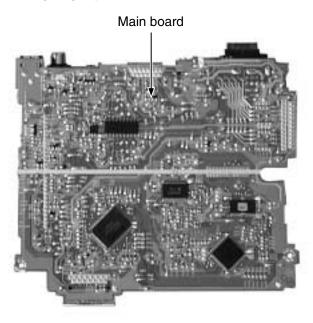
Location of main parts

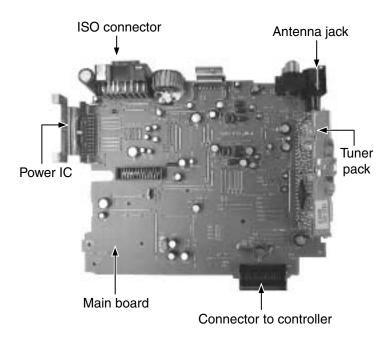
■Control unit



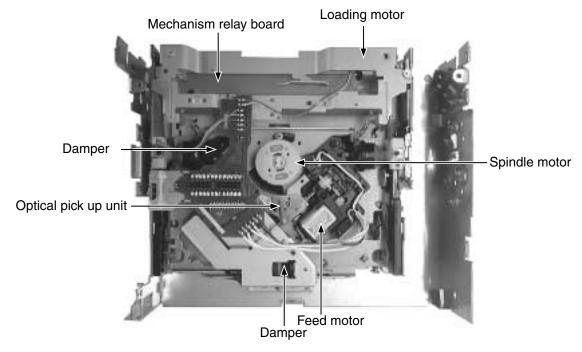


■ Main unit





■ CD mechanism



Disassembly method

■ Removing the front panel unit

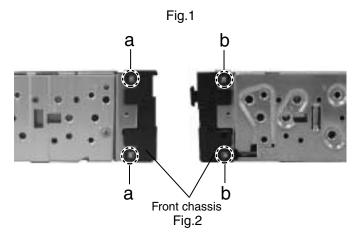
(See Fig.1)

1. Press the release switch and remove the front panel unit in the direction of the arrow.



■ Removing the front chassis (See Fig.2)

 Insert a screwdriver to the two joints a on the side of the front chassis and two joints b on the right side, then detach the front chassis toward the front side.



■Removing the heat sink (See Fig.3)

1. Remove the three screws A attaching the heat sink on the left side of the body, and remove the heat sink.

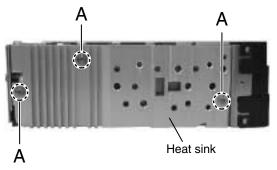


Fig. 3

■ Removing the bottom cover (See Fig.4)

- 1. Turn the body upside down.
- Insert a screwdriver to the two joints c and two joints d on both sides of the body and the joint e on the back of the body, then detach the bottom cover from the body.

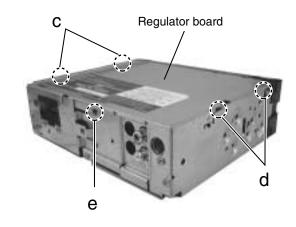


Fig. 4

■ Removing the main board (See Fig.5 and 6)

- 1. Remove the front chassis.
- 2. Remove the bottom cover.
- 3. Remove the two screws B attaching the main board assembly on the bottom of the body.
- 4. Remove the three screws C attaching the main board assembly on the back of the body.
- 5. Disconnect connector CN501 on the main board assembly from the CD mechanism assembly.

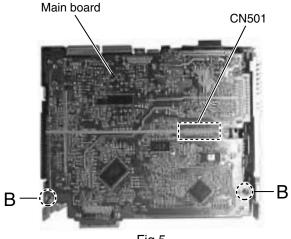
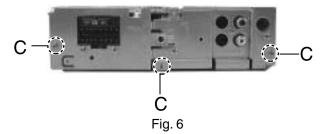


Fig.5



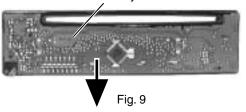
■Removing the CD mechanism assembly (See Fig.7)

- 1. Remove the front chassis.
- 2. Remove the bottom cover.
- 3. Remove the main board assembly.
- 4. Remove the three screws D attaching the CD mechanism assembly from the top cover.

CD mechanism assembly Top cover Fig. 7

Fig. 8

LCD & key control board



■ Removing the LCD & key control board (See Fig.8 and 9)

- 1. Remove the front chassis.
- 2. Remove the four screws E attaching the rear cover on the back of the front panel unit.
- 3. Remove the LCD & key control board from the front panel unit.

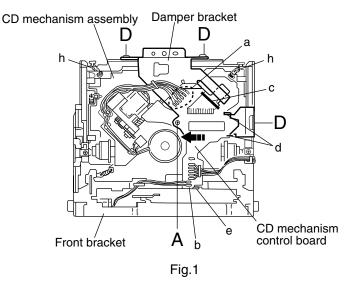
<CD mechanism section>

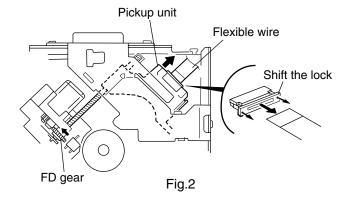
■ Removing the CD mechanism control board (See Fig.1 and 2)

- 1. Unsolder the part **a** and **b** on the CD mechanism control board.
- 2. Remove the stator fixing the CD mechanism control board and the damper bracket (To remove the stator smoothly, pick up the center part).
- 3. Remove the screw **A** attaching the CD mechanism control board.
- 4. Remove the CD mechanism control board in the direction of the arrow while releasing it from the two damper bracket slots **d** and the front bracket slot **e**.
- 5. Disconnect the flexible wire from connector on the pickup unit.

ATTENTION: Turn the FD gear in the direction of the arrow to move the entire pickup unit to the appropriate position where the flexible wire of the CD mechanism unit can be disconnected easily.

(Refer to Fig.2)

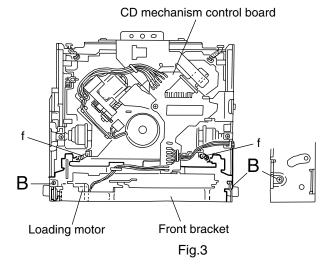


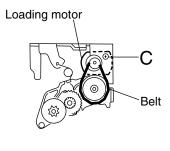


■ Removing the loading motor

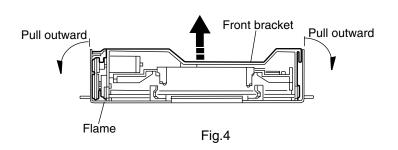
(See Fig.3 to 5)

- Prior to performing the following procedure, remove the CD mechanism control board.
- 1. Remove the two springs **f** attaching the CD mechanism assembly and the front bracket.
- 2. Remove the two screws **B** and the front bracket while pulling the flame outward.
- Remove the belt and the screw C from the loading motor.





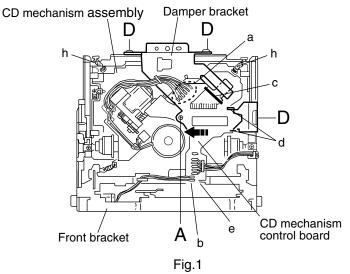




■ Removing the CD mechanism assembly (See Fig.1, 6 to 9)

- Prior to performing the following procedure, remove the CD mechanism control board and the front bracket (loading motor).
- Remove the three screws D and the damper bracket.
- 2. Raise the both sides fix arms and move the fix plates in the direction of the arrow to place the four shafts **g** as shown in Fig.8 and 9.
- 3. Remove the CD mechanism assembly and the two springs **h** attaching the flame.
- 4. Remove the two screws E and both sides rear damper brackets from the dampers. Detach the CD mechanism assembly from the left side to the right side.

ATTENTION: The CD mechanism assembly can be removed if only the rear damper bracket on the left side is removed.



Damper bracket

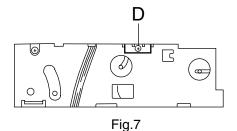
Plame

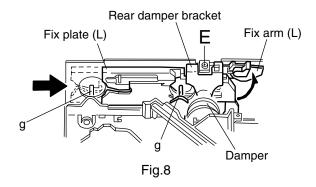
Damper bracket

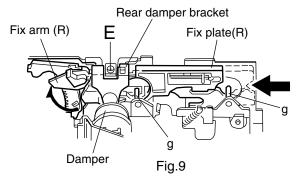
Flame

D

Fig.6

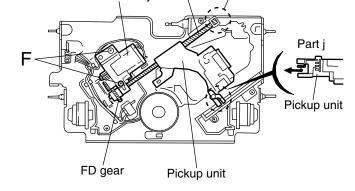






■ Removing the feed motor assembly (See Fig.10)

- Prior to performing the following procedure, remove the CD mechanism control board, the front bracket (loading motor) and the CD mechanism assembly.
- Remove the two screws F and the feed motor assembly.



FD screw

Feed motor assembly

Part i

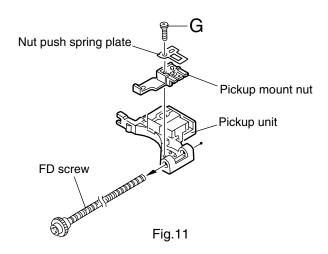
Fig.10

■Removing the pickup unit (See Fig.10 and 11)

- Prior to performing the following procedure, remove the CD mechanism control board, the front bracket (loading motor), the CD mechanism assembly and the feed motor assembly.
- 1. Detach the FD gear part of the pickup unit upward. Then remove the pickup unit while pulling out the part i of the FD screw.

ATTENTION: When reattaching the pickuap unit, reattach the part **j** of the pickup unit, then the part **i** of the FD screw.

2. Remove the screw **G** attaching the nut push spring plate and the pickup mount nut from the pickup unit. Pull out the FD screw.



■ Removing the spindle motor (See Fig.12 and 13)

- Prior to performing the following procedure, remove the CD mechanism control board, the front bracket (loading motor), the CD mechanism assembly and the feed motor assembly.
- 1. Turn up the CD mechanism assembly and remove the two springs ${\bf k}$ on both sides of the clamper arms. Open the clamper arm upward.
- 2. Turn the turn table, and remove the two screws **H** and the spindle motor.

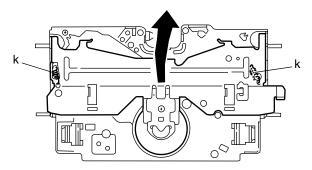
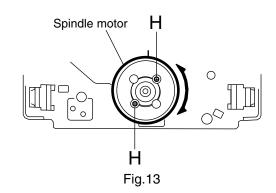


Fig.12



Adjustment method

- Test instruments required for adjustment
 - 1. Digital oscilloscope (100MHz)
 - 2. AM Standard signal generator
 - 3. FM Standard signal generator
 - 4. Stereo modulator
 - 5. Electric voltmeter
 - 6. Digital tester
 - 7. Tracking offset meter
 - 8. Test Disc JVC :CTS-1000
 - 9. Extension cable for check EXTGS004-26P×1

Standard volume position

Balance and Bass & Treble volume: Indication "0"

Loudness: OFF **BBE** : OFF

■ Frequency Band

FM 87.5MHz ~ 108.0MHz MW 531kHz ~ 1602 kHz

Dummy load

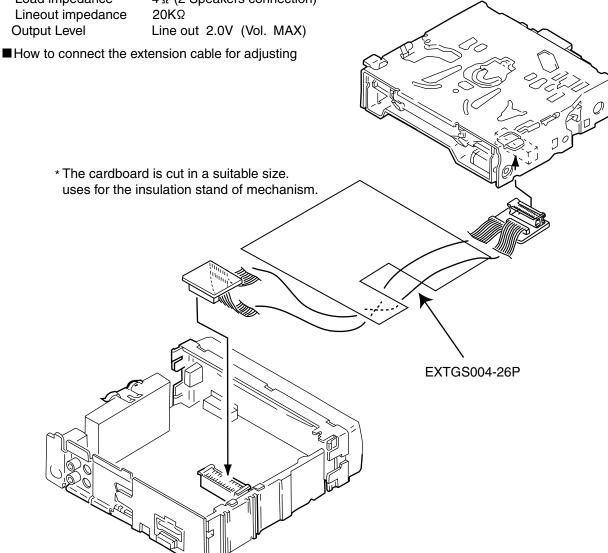
Exclusive dummy load should be used for AM, and FM. For FM dummy load, there is a loss of 6dB between SSG output and antenna input. The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.

■ Standard measuring conditions

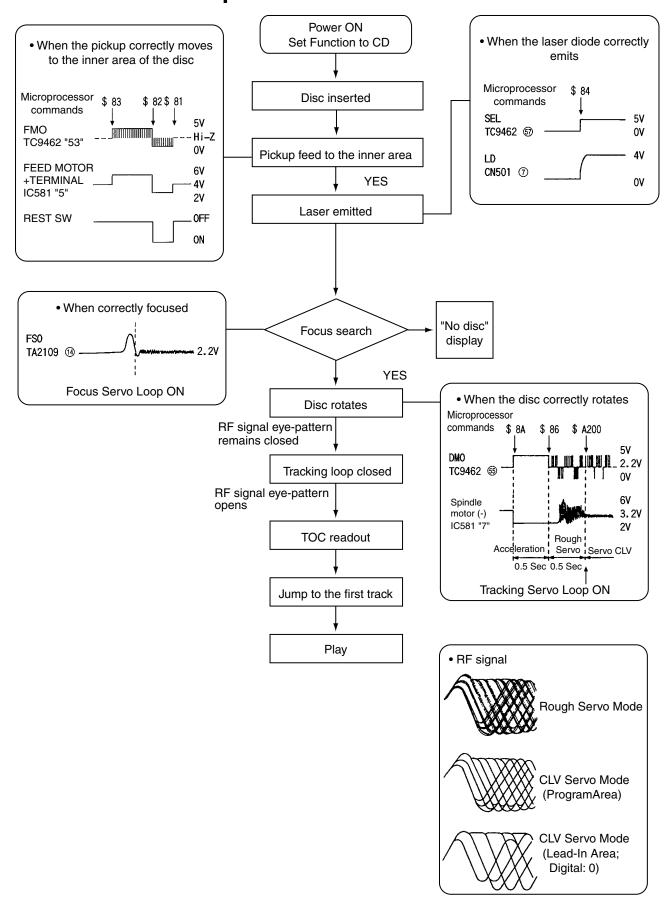
Power supply voltage DC14.4V(10.5~16V)

Load impedance 4Ω (2 Speakers connection)

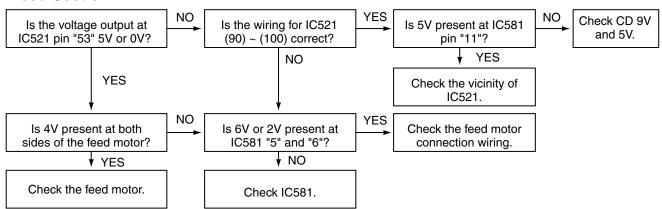
Lineout impedance



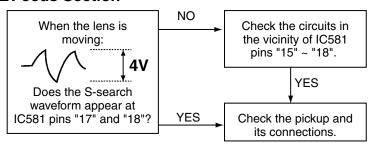
Flow of functional operation until TOC read



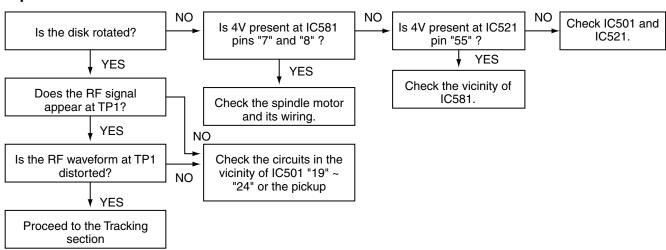
■ Feed Section



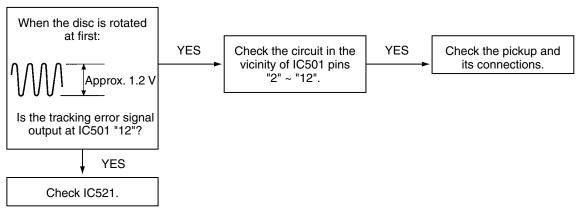
■ Focus Section



■ Spindle Section



■Tracking Section

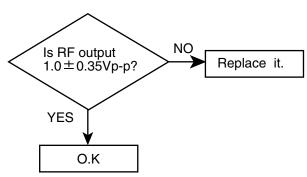


Maintenance of laser pickup

- Cleaning the pick up lens
 Before you replace the pick up, please try to
 clean the lens with a alcohol soaked cotton
 swab.
- (2) Life of the laser diode
 When the life of the laser diode has expired,
 the following symptoms will appear.

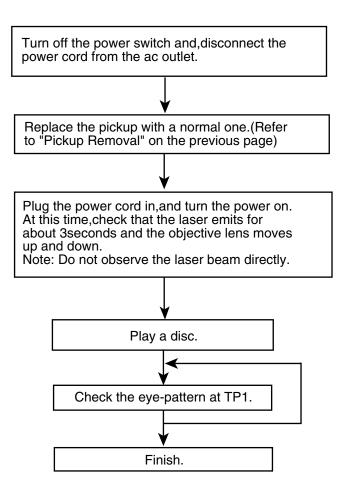
 (1) The level of RF output (EFM output:ampli

tude of eye pattern) will be low.



(3) Semi-fixed resistor on the APC PC board
The semi-fixed resistor on the APC printed
circuit board which is attached to the pickup
is used to adjust the laser power. Since this
adjustment should be performed to match the
characteristics of the whole optical block,
do not touch the semi-fixed resistor.
If the laser power is lower than the specified
value, the laser diode is almost worn out, and
the laser pickup should be replaced.
If the semi-fixed resistor is adjusted while
the pickup is functioning normally, the laser
pickup may be damaged due to excessive current.

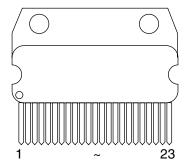
Replacement of laser pickup



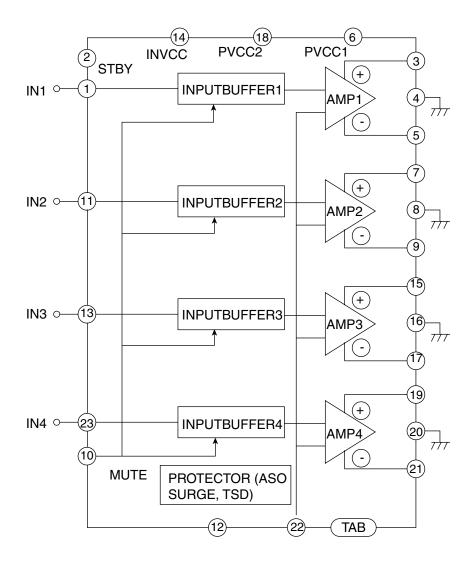
Description of major ICs

■ HA13158A (IC321) : Power amp

1. Pin layout



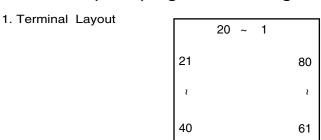
2. Block diagram



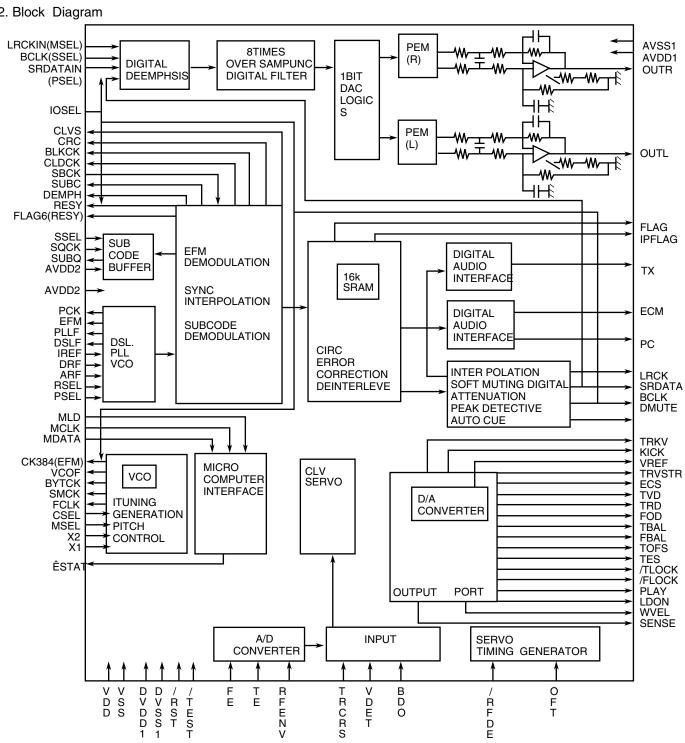
■ MN35510(IC561):Digital servo & digital signal processor

41 ~

60





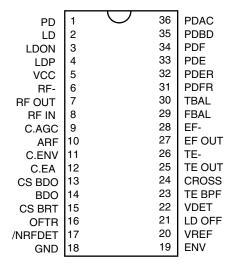


3. Description

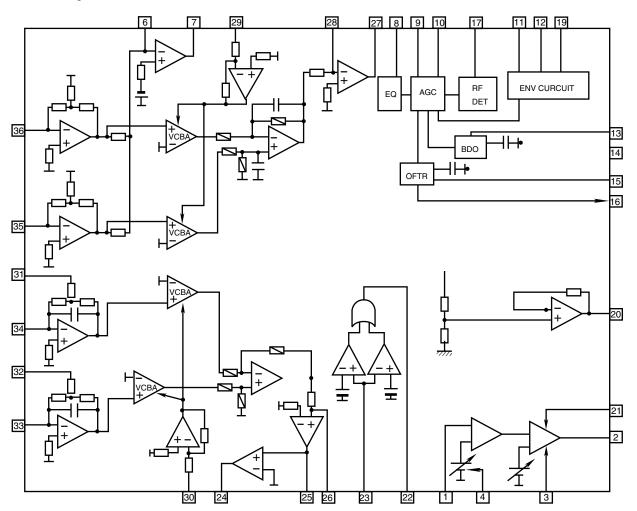
	<u>escripti</u>	<u>on</u>					MN35510
Pin No.	symbol	I/O	Description	Pin No.	symbol	I/O	Description
1	BCLK	0	Not used		TES	0	Tracking error shunt signal output(H:shunt)
2	LRCK	0	Not used		PLAY	_	Not used
3	SRDATA	0	Not used		WVEL		Not used
4	DVDD1	-	Power supply (Digital)	44	ARF	I	RF signal input
5	DVSS1	_	Connected to GND	45	IREF	I	Reference current input pin
6	TX	0	Digital audio interface output	46	DRF	_	Bias pin for DSL
7	MCLK	ı	Micom command clock signal input (Data is latched at signal's rising point)	47	DSLF	I/O	Loop filter pin for DSL
8	MDATA	I	Micom command data input	48	PLLF	I/O	Loop filter pin for PLL
9	MLD	I	Micom command load signal input	49	VCOF	_	Not used
10	SENSE	0	Sence signal output	50	AVDD2	_	Power supply(Analog)
11	FLOCK	0	Focus lock signal output Active :Low	51	AVSS2	_	Connected to GND(Analog)
12	TLOCK	0	Tracking lock signal output Active :Low	52	EFM	-	Not used
13	BLKCK	0	sub-code - block - clock signal output	53	PCK	ı	Not used
14	SQCK	_	Outside clock for sub-code Q resister input	54	PDO	-	Not used
15	SUBQ	0	Sub-code Q -code output	55	SUBC	ı	Not used
16	DMUTE	-	Connected to GND	56	SBCK	_	Not used
17	STATUS	0	Status signal (CRC,CUE,CLVS,TTSTOP,ECLV,SQOK)	57	vss	-	Connected to GND(for X'tal oscillation circuit)
18	RST	I	Reset signal input (L:Reset)	58	XI	_	Input of 16.9344MHz X'tal oscillation circuit
19	SMCK	_	Not used	59	X2	0	Output of X'tal oscillation circuit
20	PMCK	_	Not used	60	VDD		Power supply(for X'tal oscillation circuit)
21	TRV	0	Traverse enforced output	61	BYTCK	_	Not used
22	TVD	0	Traverse drive output	62	CLDCK	_	Not used
23	PC	_	Not used	63	FLAG	_	Not used
24	ECM	0	Spindle motor drive signal (Enforced mode output) 3-State	64	IPPLAG	ı	Not used
25	ECS	0	Spindle motor drive signal (Servo error signal output)	65	FLAG	-	Not used
26	KICK	0	Kick pulse output	66	CLVS	_	Not used
27	TRD	0	Tracking drive output	67	CRC	_	Not used
28	FOD	0	Focus drive output	68	DEMPH		Not used
29	VREF	ı	Reference voltage input pin for D/A output block (TVD,FOD,FBA,TBAL)	69	RESY	-	Not used
30	FBAL	0	Focus Balance adjust signal output	70	IOSEL	_	pull up
31	TBAL	0	Tracking Balance adjust signal output	71	TEST	-	pull up
32	FE	Τ	Focus error signal input(Analog input)	72	AVDD1	_	Power supply(Digital)
33	TE	ı	Tracking error signal input(Analog input)	73	OUT L	0	Lch audio output
34	RF ENV	ı	RF envelope signal input(Analog input)	74	AVSS1	-	Connected to GND
35	VDET	ı	Vibration detect signal input(H:detect)	75	OUT R	0	Rch audio output
36	OFT	Ι	Off track signal input(H:off track)	76	RSEL	_	pull up
37	TRCRS	Ι	Track cross signal input	77	CSEL	_	Connected to GND
38	RFDET	Τ	RF detect signal input(L:detect)	78	PSEL	_	Connected to GND
39	BDO	ı	BDO input pin(L:detect)	79	MSEL	_	Connected to GND
40	LDON	0	Laser ON signal output(H:on)	80	SSEL	_	Pull up
						_	<u>'</u>

■ AN8806SB-W (IC501): RF&Servo AMP

1.Pin layout



2.Block diagram

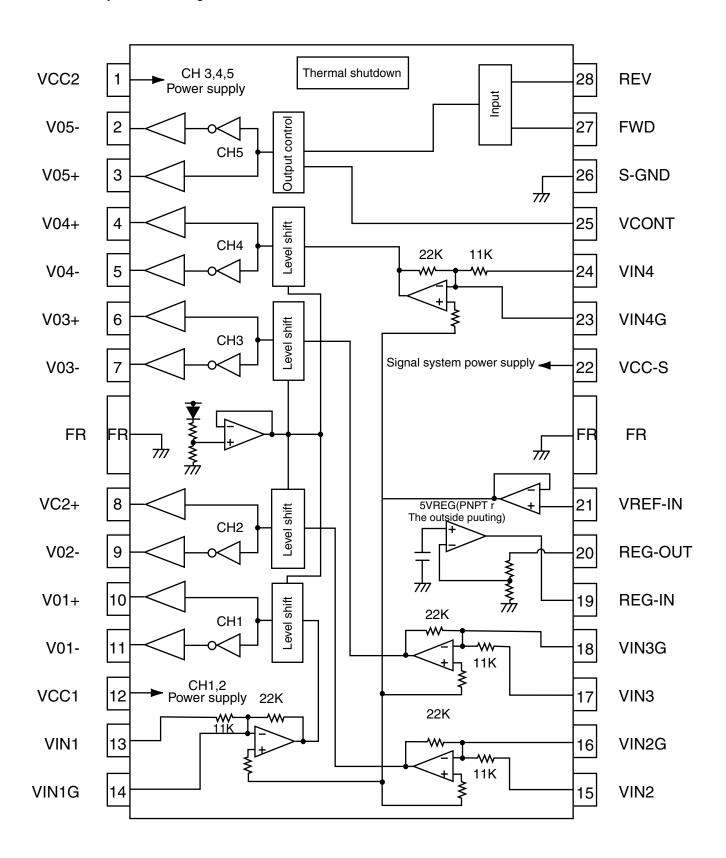


3. Pin function

Pin No.	Symbol	I/O	Function					
1	PD	I	APC amp input terminal					
2	LD	0	APC amp output terminal					
3	LD ON	Ι	APC ON/OFF control terminal					
4	LDP		Connect to ground					
5	VCC		Power supply					
6	RF-	Ι	Inverse input pin for RF amp					
7	RF OUT	0	RFamp output					
8	RF IN	-	RF input					
9	C.AGC	I/O	Connecting pin of AGC loop filter					
10	ARF	0	RF output					
11	C.ENV	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal					
12	C.EA	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal					
13	CS BDO	I/O	A capacitor is connected to detect the lower envelope of RF signal					
14	BDO	0	BDO output pin					
15	CS BRT	I/O	A capacitor is connected to detect the lower envelope of RF signal					
16	OFTR	0	Of-track status signal output					
17	/NRFDET	0	RF detection signal output					
18	GND		Ground					
19	ENV	0	Envelope output					
20	VREF	0	Reference voltage output					
21	LD OFF		Connect to ground					
22	VDET	0	Vibration detection signal output					
23	TE BPF	I	Input pin of tracking error through BPF					
24	CROSS	0	Tracking error cross output					
25	TE OUT	0	Tracking error signal output					
26	TE-	I	Inverse input pin for tracking error amp					
27	FE OUT	0	Output pin of focus error					
28	FE-	1	Inverse input pin for focus error amp					
29	FBAL	ı	Focus balance control					
30	TBAL	I	Tracking balance control					
31	PDFR	I/O	F I-V amp gain control					
32	PDER	I/O	E I-V amp gain control					
33	PDF	I	I-V amp input					
34	PDE	I	I-V amp input					
35	PD BD	I	I-V amp input					
36	PD AC	ı	I-V amp input					

■ LA6567H-X(IC541) : Servo BTL driver

1.Pin layout & blockdiagram



2. Pin function

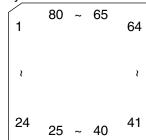
Pin no.	Symbol	Function
1	VCC2	CH3,4,5 Power supply(It is short with VCC1,VCC-S)
2	V05-	Loading output(-)
3	V05+	Loading terminal (+)
4	V04+	CH4 Output terminal(+)
5	V04-	CH4 Output terminal(-)
6	V03+	CH3 Output terminal(+)
7	V03-	CH3 Output terminal(-)
8	V02+	CH2 Output terminal(+)
9	V02-	CH2 Output terminal(-)
10	V01+	CH1 Output terminal(+)
11	V01-	CH1 Output terminal(-)
12	VCC1	CH1,2(BTL) Power supply(It is short with VCC-S,VCC2)
13	VIN1	CH1 Input terminal
14	VIN1G	CH1 Input terminal(For gain adjustment)
15	VIN2	CH2 Input terminal
16	VIN2G	CH2 Input terminal(For gain adjustment)
17	VIN3	CH3 Input terminal
18	VIN3G	CH3 Input terminal(For gain adjustment)
19	REG-IN	Regulator terminal(Outside putting PNP base)
20	REG-OUT	Regulator terminal(Outside putting PNP collector)
21	VREF-IN	Standard voltage input terminal
22	VCC-S	Signal system power supply(It is short with VCC1,VCC2)
23	VIN4G	CH4 Input terminal(For gain adjustment)
24	VIN4	CH4 Input terminal
25	VCONT	5CH(VLO) Output voltag set terminal
26	S-GND	Signal system GND
27	FWD	5CH(VLO)Signal output switch terminal(FWD),Input of logic of loading part
		5CH(VLO)Signal output switch terminal(REV),
28	REV	Input of logic of loading part

^{*} Frame(FR)at the center bocomes system GND power.

^{*} Please be short-circuited on the outside and use the terminal of the power supply system and three teminals of VCC-S, VCC1,VCC2.

■LC72366-9989 (IC801) : Main micon

1. Pin layout



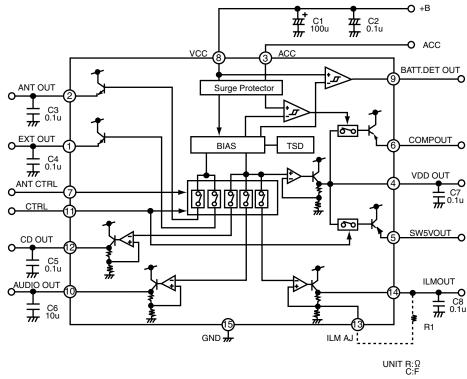
	2. Pin function								
Pin No.	Symbol	Function	Pin No.	Symbol	Function				
1	XIN	4.5MHz crysral oscillation	41	CD ON	CD 8V supply on				
2	TEST2	Connect to ground	42	RELAY	5V power control				
3	J BUS SI	J-BUS signal data input (to 74HC126)	43	BBE CTL	No use				
4	J BUS SO	J-BUS signal data output (to 74HC126)	44	BEEP	No use				
5	J BUS SCK	J-BUS output clock signal (to 74HC126)	45	SW4					
6	J BUS I/O CONT	J-BUS I/O control	46	SW1	CD mechanism switch 1 for disc in, 8cm disc				
7	SUBQ	CD LSI subcode data input	47	SW3	CD mecha. switch 3 for disc present, loading end				
8		No use	48	REST	CD pickup rest position				
9	SQCK	CD LSI subcode clock	49	JOG0	Rotary encoder input 0				
10	RESET	Micon reset pin	50	JOG1	Rotary encoder input 1				
11	LCD SI	No use	51	CD SENSE	CD LSI sense signal				
12	LCD SO	LCD driver data output	52	STATUS	CD LSI status signal				
13	LCDSCK	LCD driver clock signal	53	P.SAVE2	Power save 2:+B detect				
14	LCD CE	LCD driver chip enable port	54	SD/ST	Station detection, Stereo indication				
15	FM ILLUMI	No use	55	REMOCON	Remocon input				
16	AM ILLUMI	No use	56	J BUS INT	J-BUS interrrupt				
17	CD ILLUMI	No use	57	BAND	FM/AM band selection				
18	DIMMER OUT	No use	58	MONO	FM mono selection				
19	LM0	CD loading motor output	59	IFRQ/AGC	During FM auto search, IF request output H after SD				
20	LM1	CD loading motor output			detected. During AM suto search, AGC output.				
21		No use	60	MUTE	Muting switch				
22		No use	61	LEVEL	Level meter input				
23		No use	62	SMETER	S meter input				
24	KS2	No use	63		Connect to ground				
25	KS1	No use	64	KEY2	Key 2 data input (AD)				
26	KS0	Output for initial setting diode matrix	65	KEY1	Key 1 data input (AD)				
27	DETACH	Front panel detect	66	KEY0	Key 0 data input (AD)				
28	K2	No use	67	P.SAVE1	Power save 1, ACC power detect				
29	K1	Input for initial setting diode matrix	68	SENSE	Voltage sense				
30	K0	Input for initial setting diode matrix	69		No use				
31	Vdd	5V power supply	70	FM IF COUNT	FM IF counter data input				
32	SW2	CD mechanism switch 2 for 12cm disc	71		No use				
33	CD LSI RESET	CD LSI reset	72		No use				
34	MCLK	CD LSI command clock signal	73	Vdd	5V power supply				
35	MDATA	CD LSI command data output	76	AM OSC	No use				
36	MLD	CD LSI command load signal	75	FM OSC	FM input frequency				
37	WES	No use	76	Vss	Ground				
38		No use	77	1.55	No use				
39	SCL	E.volume clock output	78	EO	PLL error output signal				
40	SDA	E.volume data output	79	TEST1	Connect to ground				
+0	ODA	L.voidine data output	80		4.5MHz crystal oscillation				
			_00		T.JIVII IZ UI YƏLAI UƏLIIIALIUI I				

■ HA13164(IC901):Regulator

1.Terminal layout



2.Block diagram

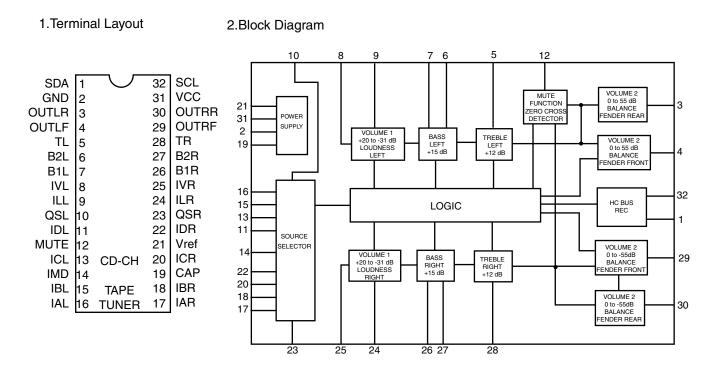


note1) TAB (header of IC) connected to GND

3.Pin function

Pin No.	Symbol	Function					
1	EXTOUT	Output voltage is VCC-1 V when M or H level applied to CTRL pin.					
2	ANTOUT Output voltage is VCC-1 V when M or H level to CTRL pin and H level						
		to ANT-CTRL.					
3	ACCIN	Connected to ACC.					
4	VDDOUT	Regular 5.7V.					
5	SW5VOUT	Output voltage is 5V when M or H level applies to CTRL pin.					
6	COMPOUT Output for ACC detector.						
7	ANT CTRL	ANT CTRL L:ANT output OFF , H:ANT output ON					
8	VCC	Connected to VCC.					
9	BATT DET	Low battery detect.					
10	AUDIO OUT	Output voltage is 9V when M or H level applied to CTRL pin.					
11	CTRL	L:BIAS OFF, M:BIAS ON, H:CD ON					
12	CD OUT	Output voltage is 8V when H level applied to CTRL pin.					
13	ILM AJ	Adjustment pin for ILM output voltage.					
14	ILM OUT	Output voltage is 10V when M or H level applies to CTRL pin.					
15	GND	Connected to GND.					

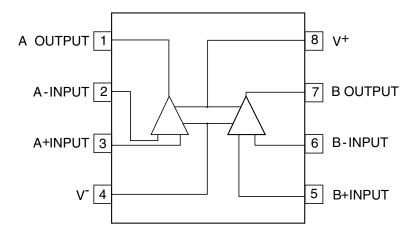
■ TEA6320T-X(IC301) : E.Volume



3.Pin Functions

Pin No.	Symbol	I/O	Functions	Pin No.	Symbol	I/O	Functions	
1	SDA	I/O	Serial data input/output.	17	IAR	1	Input A right source.	
2	GND	-	Ground.	18	IBR	Ι	Input B right source.	
3	OUTLR	0	output left rear.	19	CAP	1	Electronic filtering for supply.	
4	OUTLF	0	output left front.	20	ICR	Ι	Input C right source.	
5	TL	ı	Treble control capacitor left channel or input from an external equalizer.	21	Vref	-	Reference voltage (0.5Vcc)	
6	B2L	-	Bass control capacitor leftchannel or output to an external equalizer.	22	IDR	-	Not used	
7	B1L	-	Bass control capacitor left channel.	23	QSR	0	Output source selector right channel.	
8	IVL	I	Input volume 1. left control part.	24	ILR	1	Input loudness right channel.	
9	ILL	I	Input loudness. left control part.	25	IVR	I	Input volume 1. right control part.	
10	QSL	0	Output source selector. left channel.	26	B1R	1	Bass control capacitor right channel	
11	IDL	-	Not used	27	B2R	0	Bass control capacitor right channel or output to an external equalizer.	
12	MUTE	-	Not used	28	TR	-	Treble control capacitor right channel or input from an external equalizer.	
13	ICL	I	Input C left source.	29	OUTRF	0	Output right front.	
14	IMO	-	Not used	30	OUTRR	0	Output right rear.	
15	IBL	I	Input B left source.	31	Vcc	-	Supply voltage.	
16	IAL	I	Input A left source.	32	SCL	I	Serial clock input.	

■ NJM4565M (IC151) : Operational amp





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