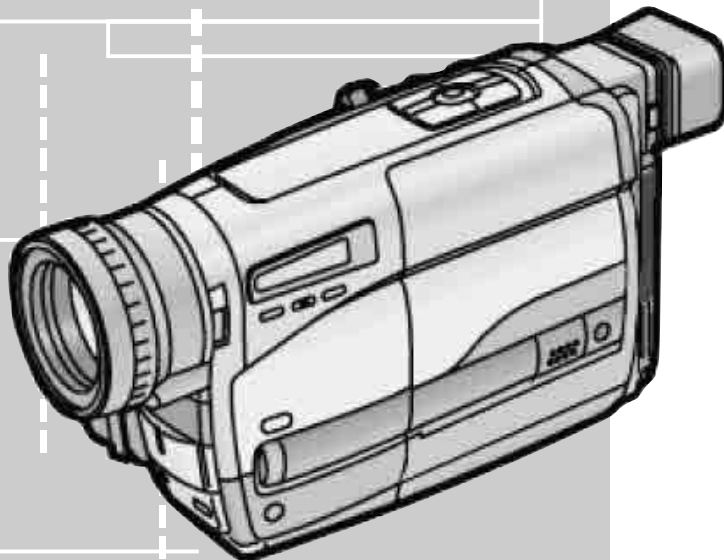


LIVE CAM _____ Service Manual

Livance LC 1100 GMI7900



Zusätzlich erforderliche Unterlagen für den Komplettservice
Additionally required Service Documents for the Complete Service

Service Manual

Sicherheit
Safety

Materialnr./Part No.
720108000000

Materialnummer/Part Number 7201005408000
Änderungen vorbehalten/Subject to alteration • Printed in Germany
E-BS-SA14 0601
<http://www.grundig.com>

Grundig Service

Holpline Deutschland...
...Mo.-Fr. 8.00-18.00 Uhr

Technik:

TV	0180/52318-41
TV	0180/52318-49
SAT	0180/52318-48
VCR/LiveCam	0180/52318-42
HiFi/Audio	0180/52318-43
Car Audio	0180/52318-44
Telekommunikation	0180/52318-45
Fax:	0180/52318-51
Planatron (8.00-22.00 Uhr)	0180/52318-99

Ersatzteil-Verkauf:

Mo.-Fr. 8.00-19.00 Uhr

Telefon: 0180/52318-40
Fax: 0180/52318-50

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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SPECIFICATIONS

ITEM	SPECIFICATION	ITEM	SPECIFICATION
POWER	Source: Battery Pack; 7.2 V DC AC Adaptor; 7.9 V DC Consumption (Battery Operation) ; 4.7 W	VIDEO	Television System: EIA Standard (625 lines, 50 fields) PAL color signal
VIDEO RECORDING SYSTEM	VHS-C 4 Head System	AUDIO	OUTPUT: PHONO CONNECTOR; 1.0 Vp-p 75 Ω terminated
TAPE FORMAT	VHS-C Cassette Tape (Tape width 12.7 mm)		HEADS: 1 Stationary head (Normal-Mono) OUTPUT: PHONO CONNECTOR; -6 dB (47kΩ loaded)/less than 1 kΩ
TAPE SPEED	SP mode : 23.39 mm/s LP mode : 11.695 mm/s	OPERATING TEMPERATURE	0-40 °C
	Record/Playback Time: SP mode ; 60 min. with EC60 LP mode ; 120 min. with EC60 FF/REW Time: less than 2.5 min. with EC60	OPERATING HUMIDITY	10-80 %
CAMERA	PICK-UP ELEMENT: CCD (Charge Coupled Device)	WEIGHT	Approx. 740g (without Battery Pack)
	STANDARD ILLUMINATION: 1,400 lx	DIMENSIONS	81 (W) X 118 (H) X 231 (D) mm
	LENS: 22 : 1 Power Zoom Lens F1.6 Focal Length; 2.9-63.8 mm Digital AI Auto Focus/Auto Iris Filter Diameter ; 43 mm	STANDARD ACCESSORIES	1 pc. AC Adaptor 1 pc. Battery Pack 1 pc. Cassette Adaptor (Except NV-RZ10B) 1 pc. Shoulder Strap 1 pc. DC Output Cable 1 pc. Battery for Cassette Adaptor (Except NV-RZ10B) 1 pc. AC Cord 1 pc. AV Cord (NV-RZ10B only) 1 pc. Remote Controller (NV-RZ10 only) 1 pc. Battery for Remote Controller (NV-RZ10 only)
FINDER	0.24-inch Black/ White Electronic Finder		

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

1 INTRODUCTION

1.1. INTRODUCTION1

This service manual contains technical information which will be allowed service personnel to understand and service this model. Please use part number on the parts list to make order for spare part and do not use reference number on the drawing. If the circuit is changed or modified, this information will be followed by supplement service manual.

Note 1:

The service manual for Mechanism-Chassis is separated as another one.
Please refer to the following manual for detail of adjustment procedure for Mechanism-Chassis.

Order number for service manual of Mechanism-Chassis : VMD9912044C8

1.2. INTRODUCTION2

Note 1:

Differences are mentioned as follows for RZ9 series.

Description	EN	ENC
Packing case	VPG0H93	VPG0J57

Note 2:

Differences are mentioned as follows for RZ10 series.

Description	EG	EGM
Packing case	VPG0H79	VPG0H80
Operating manual	VQT9062	VQT9063

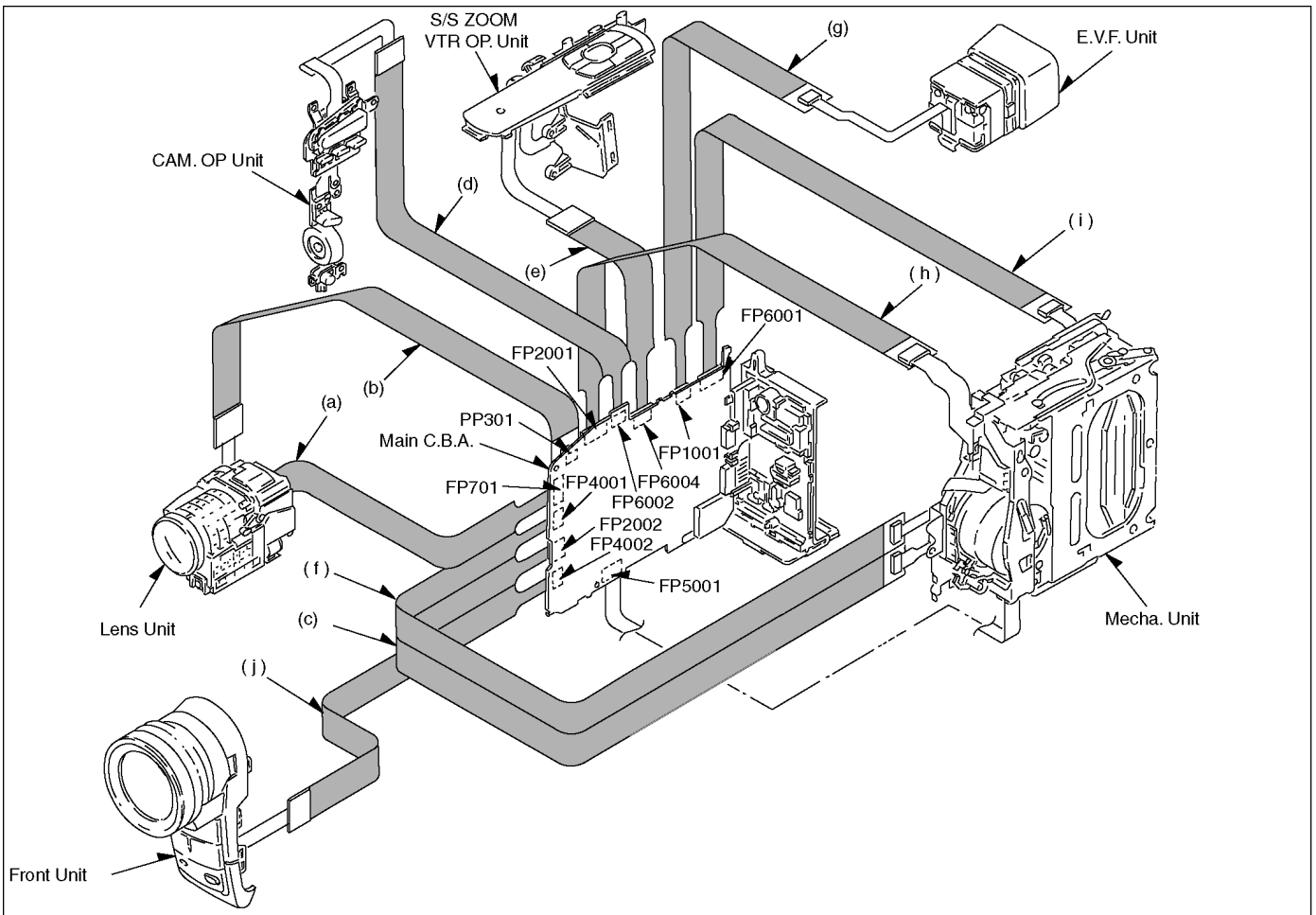
Note 3:

Differences are mentioned as follows for RZ10 series.

Description	EG	EGE
Operating manual	VQT9062	VQT9198

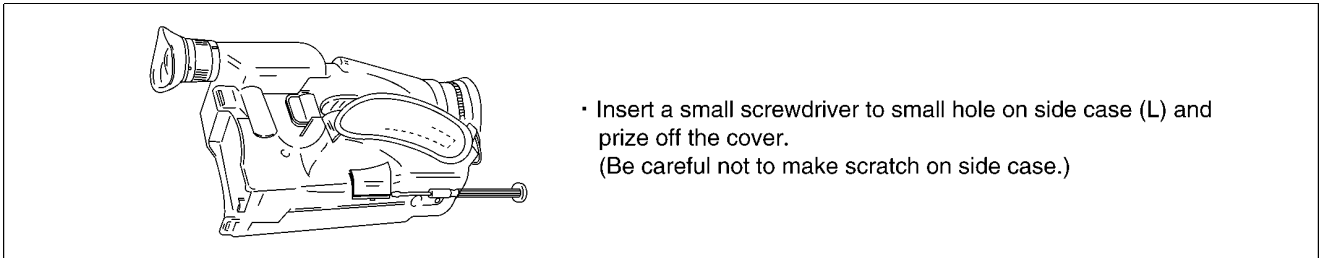
1.3. FEATURE COMPARISON CHART

		RZ9	RZ10			
		EN	EG	B	EN	A
CCD	CCD Image Sensor	1/5"	1/5"	1/5"	1/5"	1/5"
	CCD Capacity (Pixels)	450k	450k	450k	450k	450k
B/W-EVF	B/W EVF LCD Monitor	0.24"	0.24"	0.24"	0.24"	0.24"
	EVF LCD Capacity (Pixels)	76,800	76,800	76,800	76,800	76,800
SPEED	Recording/Playback mode	SP/LP	SP	SP/LP	SP/LP	SP/LP
LENS	Optical Zoom Ratio	x22	x22	x22	x22	x22
	Shortest Image Distance (From 1st Lens)	1.8m	1.8m	1.8m	1.8m	1.8m
DIG.ZOOM	Digital Zoom (x45/x100/x250)	O/O/O	O/O/O	O/O/O	O/O/O	O/O/O
	Voice zoom	O	O	O	O	O
ACCESSORY	Remote controller	X	O	O	O	O
	AV cord	X	X	O	X	X

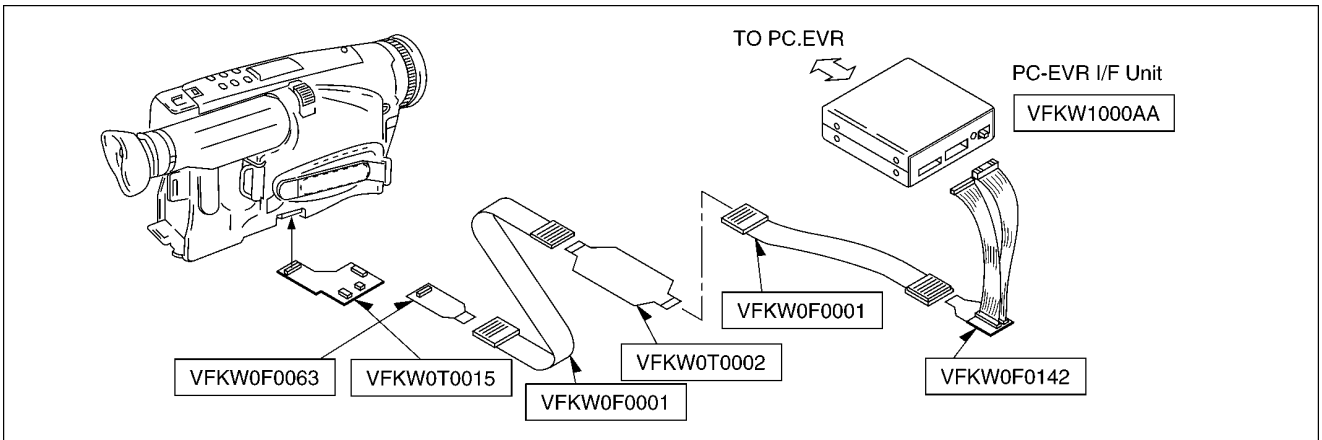


2.3. SET-UP FOR ADJUSTMENT OF TATSUJIN.

For adjustment of TATSUJIN, please open the small cover which is located at bottom of side case(L) using small screwdriver as follows.



And then connect the JIG board and TATSUJIN cable as follows.



3 SERVICE INFORMATION

3.1. SERVICE INFORMATION DISPLAY (GENERAL DESCRIPTION)

- ∑This Movie Camera has SERVICE INFORMATION DISPLAY function which enables quick trouble-shooting.
- ∑The Service Information Display is available with the following procedures.
- ∑The Service Information is displayed on the EVF and LCD monitor. (There are 4 kinds of SERVICE MODES as follow.)
In the OSD Line Output Mode, the service Information can be displayed even on TV.

MODE NAME	FUNCTION	How to use.		
OSD Line Output Mode	Checking the EVF information on the TV monitor	Push the following keys simultaneously more than 2 sec.		
		FOCUS/SET (SIDE CASE(R))	STOP (TOP PANEL)	DATE/TITLE (SIDE CASE (L) TOP)
SERVICE MODE 1	Remaining Battery A/D value. Safety Device Capstan/Cylinder injections.	Push the following keys simultaneously more than 2 sec.		
		COLOR (SIDE CASE(R))	STOP (TOP PANEL)	DATE/TITLE (SIDE CASE (L) TOP)
SERVICE MODE 2	Remaining Voltage A/D value. Mechanism position Serial key code	After chosing SERVICE MODE 1, push [DATE/TITLE] key.		
SERVICE MODE 3	ERROR CODE Display	After chosing SERVICE MODE 2, push [DATE/TITLE] key.		
SERVICE MODE 4	PG SHIFTER ADJUSTMENT	After chosing SERVICE MODE 3, push [DATE/TITLE] key.		

NOTE1:

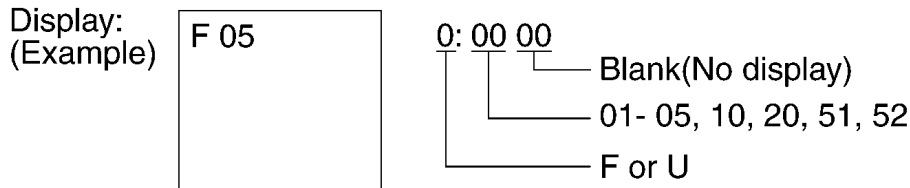
The content of all service modes (service Mode 1 to 4) are the same as previous models.
Please refer to the following Technical Information.
Order number for Technical Information :**VMD9512M138**

NOTE2:

When an undesirable condition occurs, the power will be turned off except zoom& focus motor lock condition. (Since this model,ER ROR CODE is not automatically displayed on the EVF and LCD monitor, even the CAMERA LED is not flashed.)
By turning on Service Mode 3, it is possible to check what kind of undesirable condition has occurred, even after the ERROR CODE has disappeared. Because of The ERROR CODE is memorized to EEPROM-IC.

3.2. SERVICE MODE 3 (ERROR CODE DISPLAY)

∑ERROR CODE appears on counter display position as follows. (SeeFig.1).



Display	Condition	The Power off timing
F01	T-REEL LOCK	After 1 minute (flashing the LED)
F02	S-REEL LOCK	
F03	UNLOADING LOCK	
F04	LOADING LOCK	
F05	CYLINDER LOCK	
F51	FOCUS MOTOR LOCK	
F52	ZOOM MOTOR LOCK	
U10	DEW DETECTION	After 18 minutes (flashing the LED)
U20	HEAD CLOGGING	Not turning off

Fig.1

3.3. INSERTING THE BUTTON-TYPE BATTERY

Before setting the data and time, insert the button-type battery (supplied).

1 Open the [BACKUP BATTERY] Cover.

2 Insert the button-type battery so that its (+) side is visible.

3 Close the [BACKUP BATTERY] COVER.

- Before inserting or removing the button-type battery, be sure to set the [CAMERA/OFF/VCR] Switch to [OFF].
- When the button-type battery is exhausted, the [🔋] Indication flashes. In this case, replace it with a new CR2025 battery.
(The life of the battery is about 1 year.)
- To mark it easier to remove of the button-type battery, use a pointed object.
- When you remove the button-type battery, be careful not to drop it.

Note:

The lithium battery is a critical component (Type No.: CR2025 Manufactured by Panasonic.)

It must never be subjected to excessive heat or discharge.

It must therefore only be fitted in equipment designed specifically for its use.

Replacement batteries must be of the same type and manufacture.

They must be fitted in the same manner and location as the original battery, with the correct polarity contacts observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose.

It should be disposed of in waste products destined for burial rather than incineration.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the equipment manufacturer.

Discard used batteries according to manufacturer's instructions.

VARNING

Explosionsfara vid felaktigt batteritype.

Använd samma batterityp eller en ekvivalent

typ som rekommenderas av apparattillverkaren.

**Kassera använt batteri enligt fabrikantens
instruktion.**

ADVARSEL!

Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering.

Udskiftning må kun ske med batteri

af samme fabrikat og type.

Levér det brugte batteri tilbage til leverandøren.

VAROITUS

Paristo voi räjähtää, jos se on virheellisesti asennettu.

Vaihda paristo ainoastaan laitevalmistajan suositteluun

tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden

mukaisesti.

4 ADJUSTMENT PROCEDURES

4.1. DISASSEMBLY PROCEDURES

Flow-Chart for Disassembly Procedure

No.	Item/Part	Fig.	Removal (Screw)
1	Side Case (L) Unit	Fig.1	4-Screws (F)
		Fig.2	1-Screw (A) 1-Screw (B) 1-Screw (C) 3-Screws (D) 1-Screw (E)
		Fig.3	Locking Tab (a) Slightly open the Side Case (L) Unit. Disconnect FP6004.
2	Front Case Unit	Fig.4	4-Locking Tabs (b) Disconnect FP4002.
3	Main C.B.A.	Fig.5	2-Screws (G) Remove the Shield Case. Disconnect the following connectors. FP6002, FP2001, PP301, FP701, FP4001, FP2002, FP5001, FP6001, FP1001, PS3510, PS1003
4	Cassette Cover Unit	Fig.6	1-Screw (H)
5	Rear Case Unit	Fig.7	1-Screw (K) 2-Locking Tabs (c)
6	EVF Unit	Fig.8	2-Screws (L)
7	Mechanism Unit	Fig.9	3-Screws (M) 1-Screw (N)
8	Lens Unit	Fig.10	1-Screw (N)
9	Main Frame Unit	Fig.6	1-Screw (I) 2-Screws (J)
		Fig.11	1-Screw (O) 7-Locking Tabs (d)

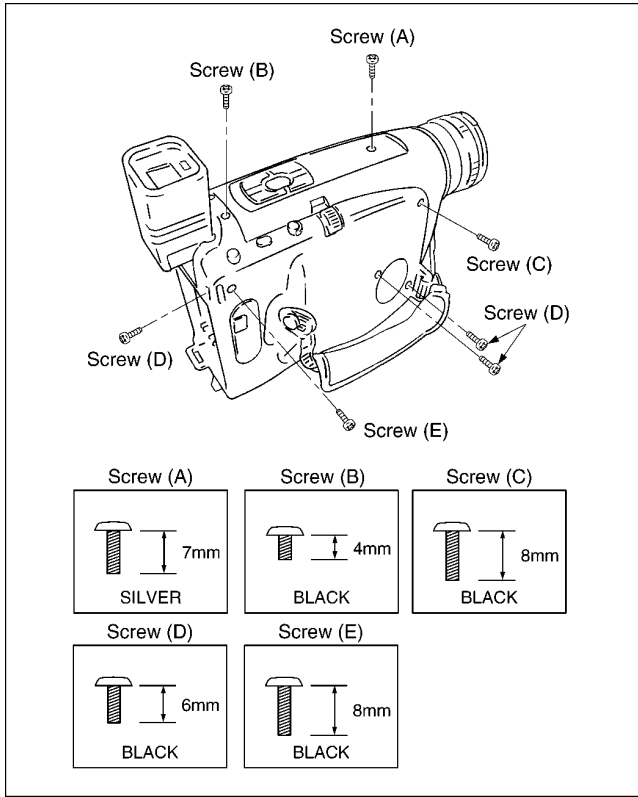


Fig.2

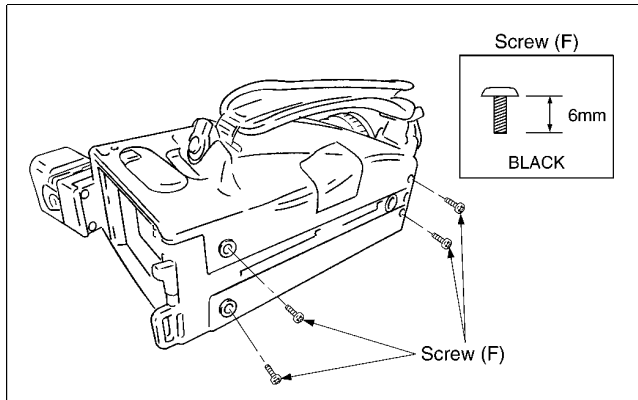


Fig.1

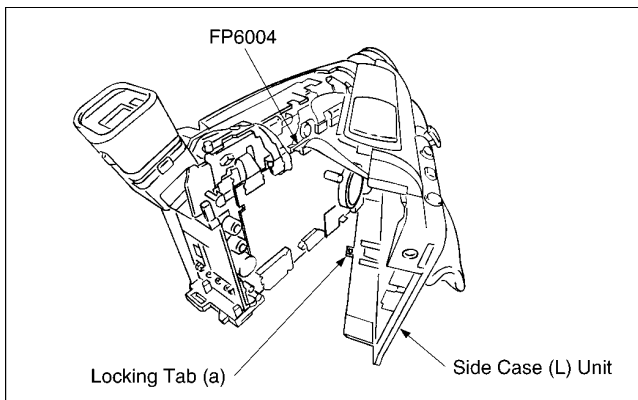


Fig.3

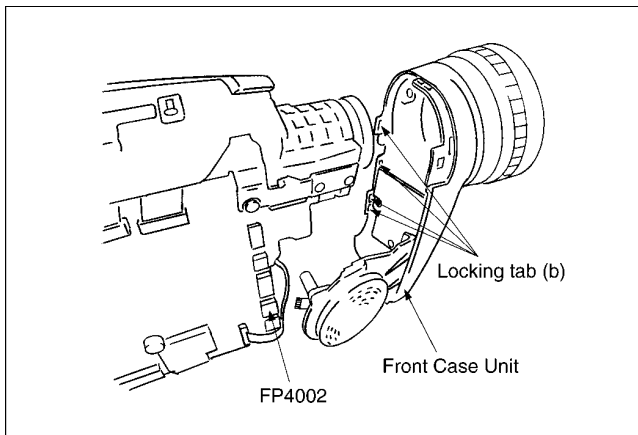


Fig.4

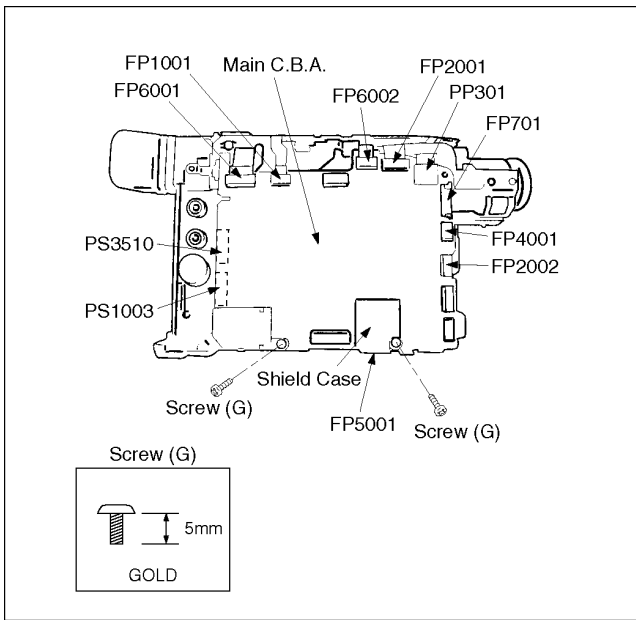


Fig.5

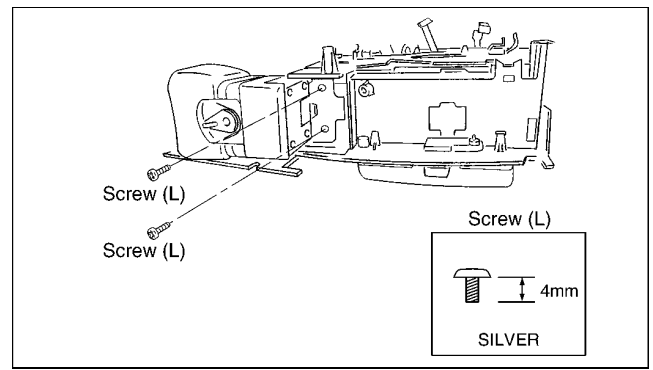


Fig.8

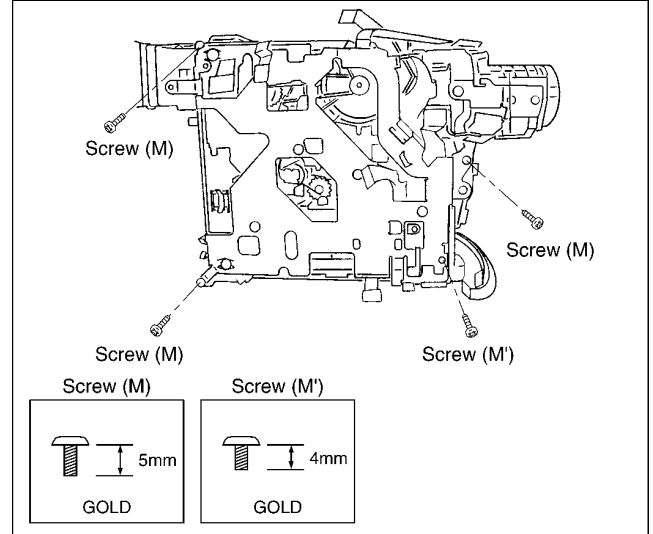


Fig.9

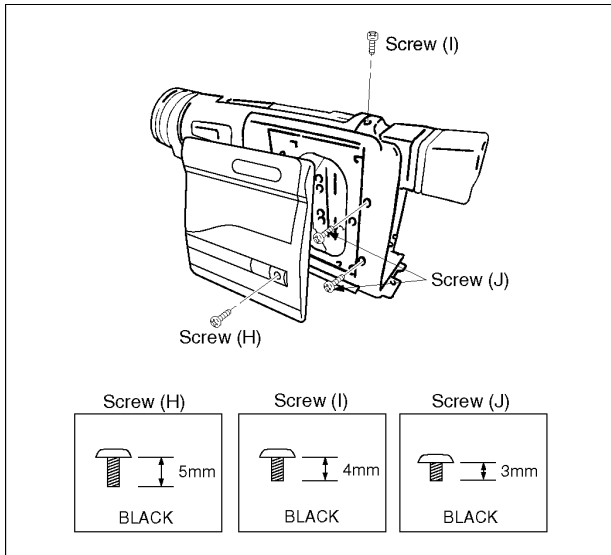


Fig.6

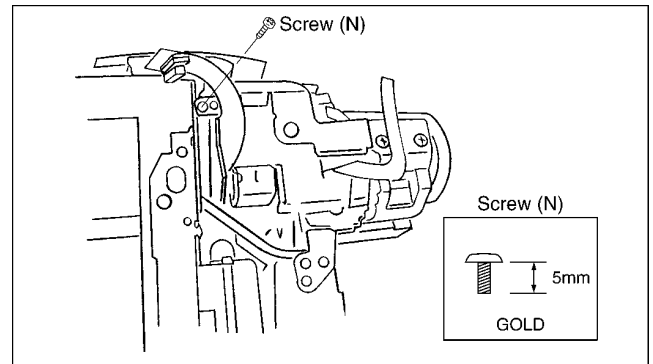


Fig.10

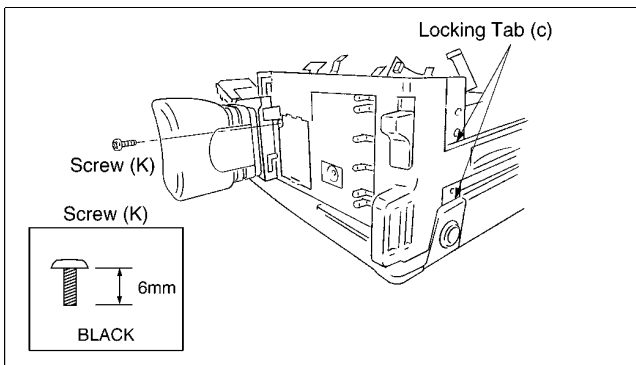


Fig.7

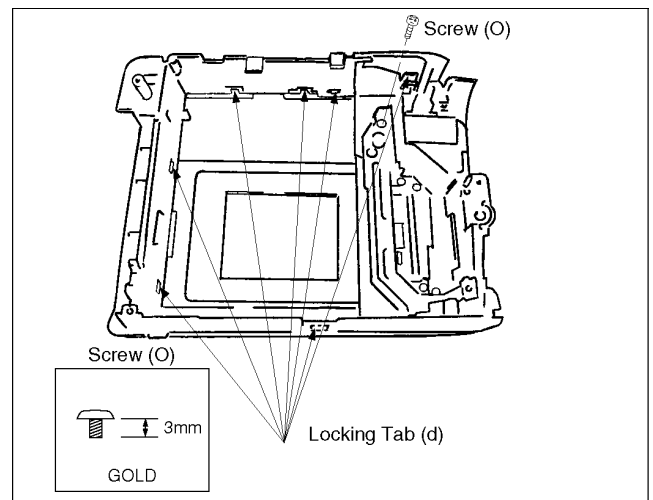


Fig.11

4.2. DISASSEMBLY PROCEDURES OF LENS UNIT

∑The following flowchart describes order or steps for removing the lens units and certain printed circuit boards in order to make access to the item needing service.

∑To reassemble the unit follow the steps in reverse order.

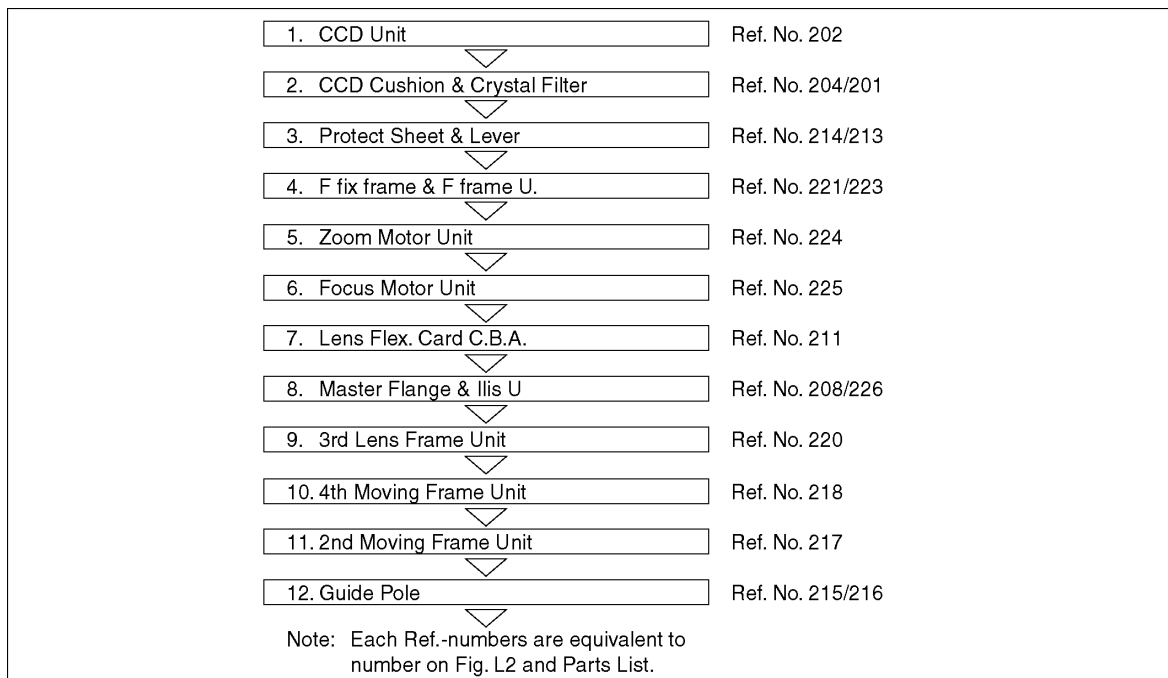


Fig. L1

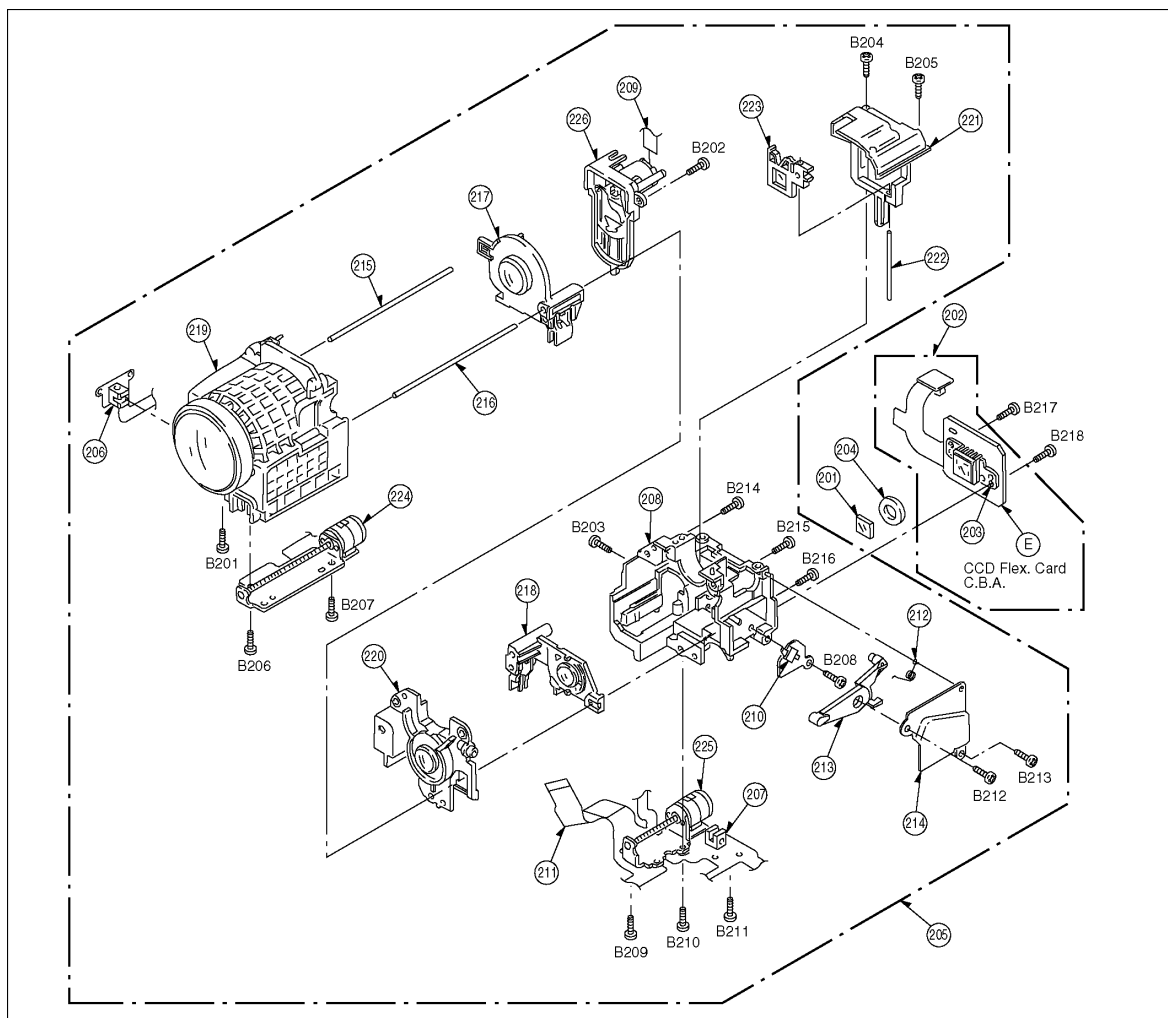





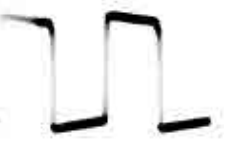
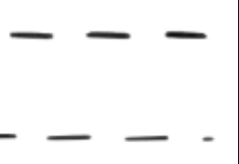
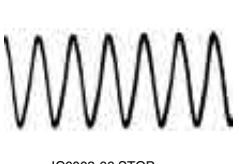
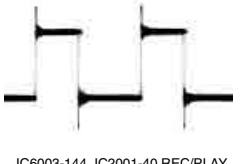


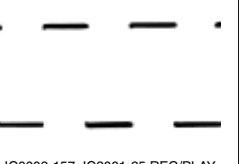
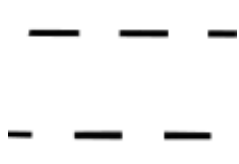
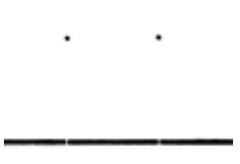
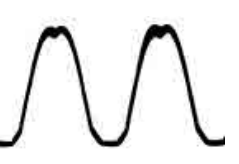

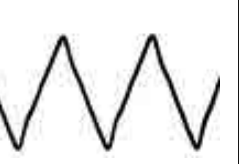
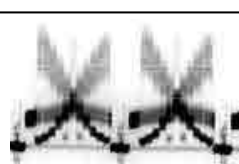
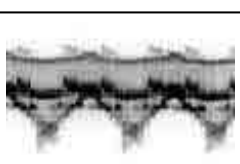
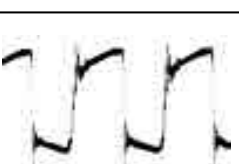

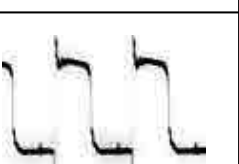
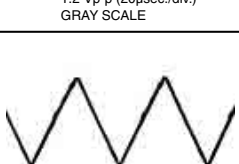
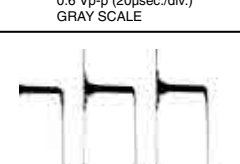
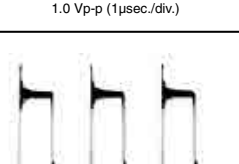
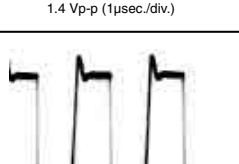
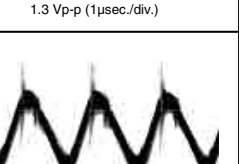
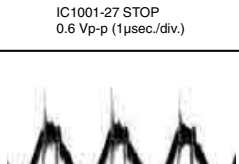
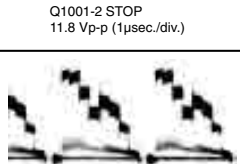

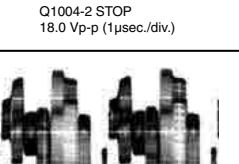
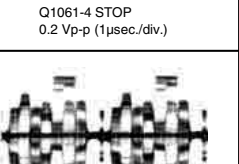
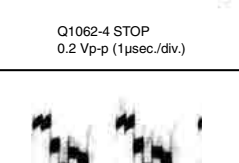
Fig. L2

5 ABBREVIATIONS

	INITIAL/LOGO	ABBREVIATIONS		INITIAL/LOGO	ABBREVIATIONS	
A	A.TR	Auto Tracking	D	DISCS	Dis Chip Select	
	ABSF	Focus Encoder Input		DISP	Display	
	ACI	Analog Channel Cording IC		DL	Delay Line	
	ADCLK	Analogue Digital Clock		DL	Delay Line	
	ADCNT	Analogue Digital Control		DOBLK	Bit Clock (to D/A Converter)	
	ADCS	Analogue Digital Chip Select		DOCTL	Data Output Control	
	AE	Auto Expose		DODAT	Serial Data (to D/A Converter)	
	AECNT	Auto Expose Control		DRK	Dark	
	AEIRQ	Auto Expose Interrupt Request		DS	Double Sampling Pulse	
	AF	Auto Focus		DS1, 2	Double Sampling Pulse	
	AFADE	Audio Fade		DSP	Digital Signal Processor	
	AFCS	Auto Focus Chip Select		DSP	Digital Signal Processor	
	AGC	Automatic Gain Control		DVDD	Digital VDD	
	AGCCNT	Automatic Gain Control Control		DVSS	Digital Ground	
	ALCCNT	Auto Level Control Control		DZ	Digital Zoom	
	ALCMAIN	Auto Level Control Drive				
	AMUT	Audio Mute				
AORP	Audio Overlap Pulse	E	E Snap	Electric Snap Shot		
APCNT	Aperture Control		E2P	EEPROM		
ARTV	Artificial Vertical Sync		EC	Error Control		
ATF	Automatic Track Finding		EC	Torque Control		
ATR	Auto Tracking		ECM	Electric Condenser Mic		
AUX	Auxiliary		EE CS	EEPROM Chip Select		
AVDD	Analogue VDD		EEPROM	Electric Erasable Programmable Read Only Memory		
AVSS	Analogue Ground		EIS	Electric Image Stabilizer		
AWTB	Auto White Balance B-Y		ENV	Envelope		
AWTR	Auto White Balance R-Y		EQ	Equalizer		
			EVF	Electric View Finder		
			EXT DC	External DC (AC Adaptor)		
			EZOOM	Electric Zoom		
B	B-Y KB		B-Y Carrier Balance	F	F	Far (Focus)
	BACK		Back-up		FB	Feed Back
	BATT		Battery		FCK	Clock
	BCBM(B-Y)		B-Y Carrier Balance		FENC	Focus Encoder
	BCBM(R-Y)	R-Y Carrier Balance	FM		Field Memory	
	BF	Burst Flag	FM0-7		Field Memory 0 - 7	
	BFND	Burst Flag Pulse	FMDIR		Focus Motor Direction	
	BFA	Burst Flug for Encoder	FMOEM		Field Memory Enable	
	BFO/BFI	Burst Flug Input/Output	FMOEO		Field Memory Enable	
	BL	Back Light	FMT		Focus Motor	
	BLC 0, 1	Back Light Y Control Out, In	FMT1-4		Focus Motor Terminal 1-4	
	BLDI/O	Back Light Drive Input / Output	FNO		F Value	
	BLK	Blanking Pulse	FR		Capstan Reverse High	
	BLKA	Blanking for Encoder				
	BLKI/O	Blanking Pulse In/Out				
	BM	Balance Modulator	G		GCNT	Gain Control
	BUF	Buffer			GSW	Ground for Switching Power
C	C CNT	Colour Control	H	H1.2	H. CCD Drive Pulse	
	C/N	Carrier/Noise		HASW	HEAD AMP SW	
	CAM	Camera		HBRST	High Bright Set	
	CAM T	Camera Test		HCLR	High Clear	
	CAM TL	Capstan Trque Limit		HCP	Shift Clock for Horizontal Drive	
	CAMCLK	Camera Clock		HD	Horizontal Drive Pulse	
	CAP R/F/S	Capstan Revers(H)/Stop(M)/Forward(L)		HDTV	High Definition TV	
	CAPSTP H	Capstan Stop Flag (Stop High)		HEX	Hexadecimal	
	CAPVM	Capstan Motor Current		HLT	High Bright Signal	
	CASDWN	Cassette Down		HSS	Horizontal Sinc Signal	
	CBLK	Composite Blanking Pulse		HSS	High Speed Shutter	
	CCD	Charge Coupled Devise				
	CCW	Counter-Clockwise		I	INTER	Interval Recording
	CDS	Correlate Double Sampling Signal			INV	Inverter
	CDS OUT	CDS Output Signal			IOU	R-Y Analogue Signal Output
	CH	Charge			IOU	Analogue R Signal Output Terminal
	CH1	Channel 1 (Odd Field)			IOV	B-Y Analogue Signal Output
	CHR	Character	IOV		Analogue B Signal Output Terminal	
	CHR MIX	Character Mix	IOY		Analogue Y Signal Output Terminal	
	CI, CO	Buffer In/Out	IRDET		Infrared Rays Detection	
	CK	Clock	IRIS/SH		Iris / Shutter Control	
	CL / CLK	Clock	IRQ		Interrupt Request	
	CMODE	Camera Mode				
	CNR	Chrominance Noise Reduction	K		KANDO	Digital Gain Up
	CO	Control Out			KB	Carrier Balance
	CO0-7	Chrominance Output 0 to 7 (Digital)			KND	Digital Gain Up
	COM	Common			KNEE	Knee Correction (γ Control)
	CP	Clamp Pulse				
	CPOB	Clamp Pulse for Optical Blanking			L	LCD
	CPS	Composite Signal		LD		Load Pulse
	CRST	Camera Reset	LDD	Liquid Direct Drive		
	CS	Chip Select	LEDCNT	LED Control		
	CS 0-7	Chrominance Signal Out 0-7	LI-BATT	Lithium Battery		
	CSEL	Clock Phase Select	LOAD	Loading		
	CSI 0-7	Chrominance Signal In 0-7	LSB	Least Significant Bit		
	CTSW	Crosstalk Switch	LVL	LPF Switch for Auto Focus		
	CW	Clockwise				
CYLVM	Cylinder Motor Current or Power					
D	D MODE	Digital Mode Switch Signal	M	MD	Modulation	
	DAC	Digital Analog Convertor		MENB	Focus Motor Enable	
	DAC	Digital Analogue Converter		MFF	Manual Focus Far	
	DB0-7	Data 0-7		MFN	Manual Focus Near	
	DCLR	Digital Clear		MIX N.R.D.	Non Rec Data Mix	
	DCP	Digital Clamp Pulse		MRST	Focus Motor Reset	
	DICLK	Digital Clock		MSB	Most Signal Bit	
	DIS	Digital Image Stabilizer		MVSYNC	Monitor Vertical Sync Signal	

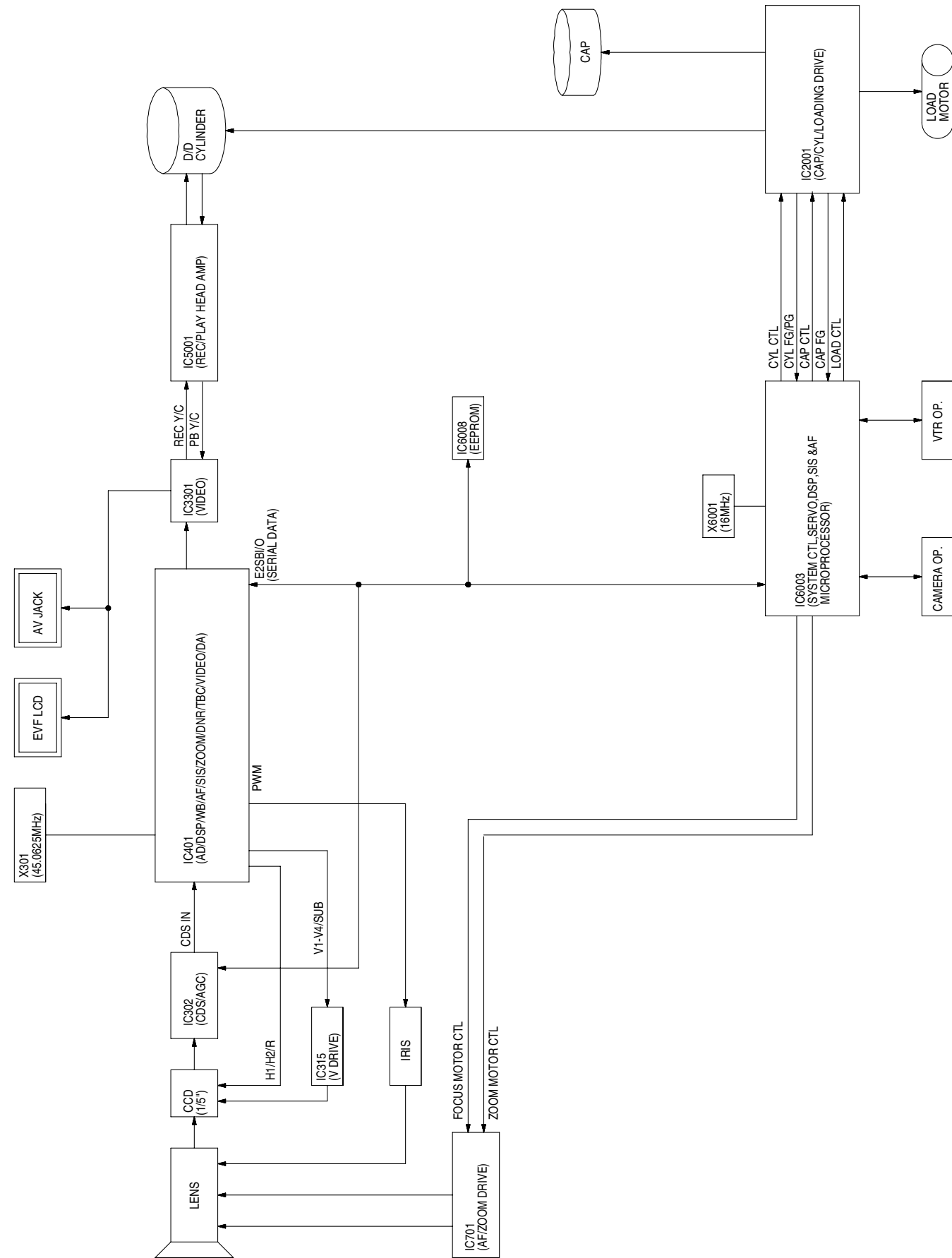
	INITIAL/LOGO	ABBREVIATIONS		INITIAL/LOGO	ABBREVIATIONS	
N	N	Near (Focus)	S	SPA	ATF Sampling Pulse	
	N/F	Near/Far Focus		SPEN	8 Bit Data Enable	
	N/P	NTSC/PAL		SPST	8 Bit Data Strobe	
	NC	No Connection		SRT	Start	
	NDE	Non Liner De-Emphasis		SSA	Start Sync block Area	
	NLE	Non Liner Emphasis		STAB	Safety Tab Switch	
	NR	Noise Reduction		STB	Stand by Signal	
	NRD	Non Rec Data		STB	Strobe	
	NRD BLK	No Rec Data Blanking				
	NRD CLK	No Rec Data Clock				
NRDBLK	Non Rec Data Blanking	T	T	Tele (Zoom)		
NRE	Read Enable Input (Low Active)		T PHOT	Take-up Photo Transistor		
NWE	Write Enable (Low Active)		TBC	Time Base Control		
			TFT	Thin Film Transistor		
			TH	Thermostat for Battery		
			TI	Test Mode Select		
			TL	Torque Limit		
			TM	Sub Code		
			TMD	Sub Code Data		
			TRE	Tracking Error Signal		
O	OB	Optical Black	TREEL	Take-up Reel		
	OBCNT	Optical Black Control	TRFIX	Tracking Fix		
	OE	Output Enable	TRIWAVE	Tracking Wave		
	OFS	Offset	TRP	Tracking Position		
	OP	Operation AMP Output	TRP	Trap		
	OSD	ON Screen Display	TSR	Head Switching Reference		
	OVL	Overlap Pulse	TST	Time Scale Transfer		
	OZ	Optical Zoom				
P	PAJ	Picture Control	U	U/V SEL	R-Y/B-Y Select Signal	
	PB1-3	PNP Base 1-3		UNLOAD	Un-Loading	
	PBCTL	Play Back Control		UNRE	Microprocessor Read Enable	
	PBCTL	Pre-Blanking Control		UNWE	Microprocessor Write Enable	
	PBH	Head Amp Switch		UV	R-Y/B-Y	
	PBLK	Pre-Blanking (Pulse)		UV SEL	R-Y/B-Y Select Signal	
	PC1-3	PNP Corrector 1-3				
	PCBM	Carrier Balance		V	V1-V4	V.CCD Drive Pulse
	PCH	Phase Compensator (Hole AMP)	VB		VH Filter Switching	
	PCI	Phase Compensator (Current)	VCE		Power Terminal	
	PCO	Phase Compensator Out	VCO		Voltage Control Oscillator	
	PCS	Switching Power Control	VCP		Voltage Control Oscillator	
	PCV	Phase Compensator (Voltage)	VCTRL		Shift Clock Output for Vertical Drive	
	PE	PNP Emitter	VD		Voltage Charge Control	
	PED	Pedestal	VDDX		Vertical Drive Pulse	
	PEDECNT	Pedestal Control	VDDXY		X Drive Power for Colour LCD	
	PFP	Pilot Frame Position	VDDY		XY Drive Power for Colour LCD	
	PGC	Pulse Generator Comparator	VDREC		Y Drive Power for Colour LCD	
	POR	Power On Reset	Vgg		Video Delayed Rec	
	POSCOM	Position Common	Vgl		Voltage for Gate IC	
	PREAMP	Pre-AMP	VID		Gate off Voltage	
	PREBLK	Pre-Blanking	VIN		Video Signal Out	
	PT	Protect for V Voltage	VITC		Video In	
	PWM	Pulse Width Modulation	VL		Vertical Interval Time Code	
	PWMB	Pulse Width Modulation Pulse	VLC		Low Voltage	
			VLOCKP		Variable Length Cording	
			VLP		Artificial Sync Pulse	
			VM	Artificial Sync Pulse		
		VMD	Motor Voltage			
		VMD1-3	Velocity Mode Data			
		VMODE	Electric Shutter Mode			
		VMVH	NTSC/PAL Select Switch			
		VORP	VH Filter Switching			
		VRB	Video Overlap			
		VRBS	Voltage Reference Bottom			
		VREF1R3V	Voltage Reference Bottom Output			
		VREF3R3V	Reference Voltage 1.3V			
		VREFH	Reference Voltage 3.3V			
		VREFL	Reference Voltage High Side			
		VRI	Reference Voltage Low Side			
		VRO	Reference Voltage Input			
		VRT	Reference Voltage Output			
		VRTS	Voltage Reference Top			
		VSS	Voltage Reference Top Output			
			Vertical Sync Signal			
		W	W	Wide (Zoom)		
			WAD/WAE	Write Address Enable		
			WB	White Balance		
			WE	Write Enable		
			WEM	Memory Write Enable		
			WHD	Wide Horizontal Drive Pulse		
S	S PHOT	Supply Photo Transistor	X	XP	FG Logic Reset	
	S/S	Start/Stop				
	SBD	Serial Data	Y	YCE	Cylinder Error Code	
	SBI	Serial Data Input		YNCST	Noise Canceller	
	SBO	Serial Data Output		YNR	Noise Reduction	
	SCAN0-5	Key Scan 0-5				
	SCK	Serial Clock		Z	Z.ENC	Zoom Encoder
	SCR	Search			Z.MIC	Zoom Mic
	"SCR, S.C.R"	Still Cue Review			Z.ENC	Zoom Encoder Output
	SEG.	Segment			ZMT(+)/(-)	Zoom Motor (+)/(-)
	SH/IRIS	Shutter/Iris Control			ZMTER	Zoom Motor Tele Side
	SIOC	Serial In/Out Control			ZMW	Zoom Motor Wide Side
	SNS LED	Sensor LED				
	SO	Serial Data Output				

6 WAVEFORM TABLE

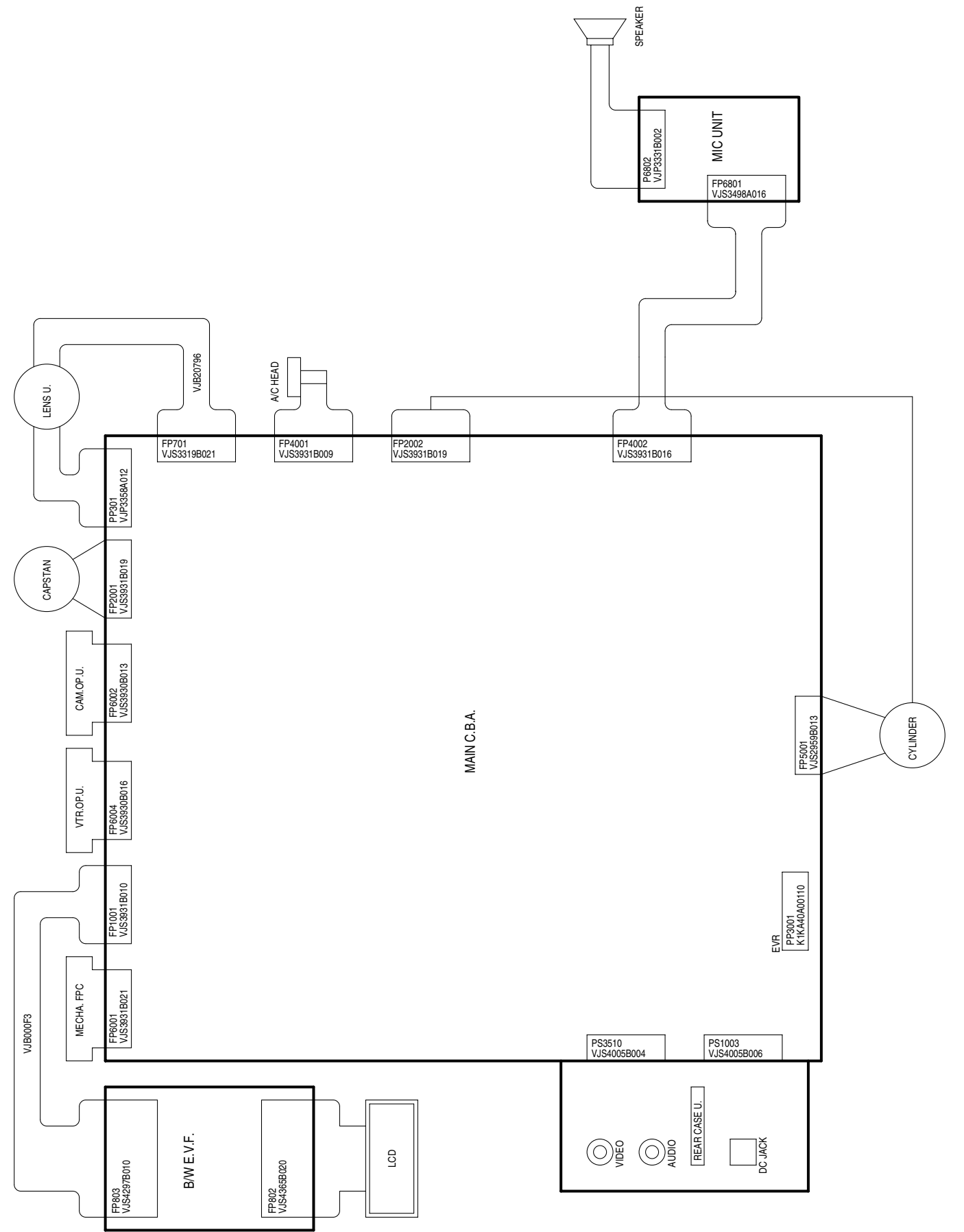
 <p>IC701-12, 14 POWER ON 6.0 Vp-p (5msec./div.) ZOOM MOTOR DRIVING</p>	 <p>IC5001-47 PLAY 0.2 Vp-p (2msec./div.) COLOR BAR</p>	 <p>IC5001-8 3.0 Vp-p (20msec./div.) COLOR BAR</p>	 <p>IC6003-14 FF/REW 2.2 Vp-p (50msec./div.)</p>	 <p>IC6003-16 FF/REW 3.0 Vp-p (20msec./div.)</p>
 <p>IC6003-66 STOP 2.6 Vp-p (50nsec./div.)</p>	 <p>IC6003-144, IC2001-40 REC/PLAY 5.2 Vp-p (1µsec./div.)</p>	 <p>IC6003-145 REC/PLAY 5.4 Vp-p (1µsec./div.)</p>	 <p>IC6003-155, IC2001-26 REC/PLAY 3.0 Vp-p (10msec./div.)</p>	 <p>IC6003-157, IC2001-25 REC/PLAY 3.0 Vp-p (0.2msec./div.)</p>
 <p>IC6003-159, IC2001-27 REC/PLAY 3.0 Vp-p (1msec./div.)</p>	 <p>IC6003-174 STOP 5.4 Vp-p (0.5µsec./div.)</p>	 <p>IC2001-59, 61, 63 REC/PLAY 2.8 Vp-p (1msec./div.)</p>	 <p>IC2001-52, 53, 54 REC/PLAY 2.8 Vp-p (20msec./div.)</p>	 <p>IC2001-21 REC/PLAY 0.6 Vp-p (0.5µsec./div.)</p>
 <p>IC302-10 STOP 1.2 Vp-p (20µsec./div.) GRAY SCALE</p>	 <p>IC302-26 STOP 0.6 Vp-p (20µsec./div.) GRAY SCALE</p>	 <p>IC1001-9 STOP 1.0 Vp-p (1µsec./div.)</p>	 <p>IC1001-11 STOP 1.4 Vp-p (1µsec./div.)</p>	 <p>IC1001-15 STOP 1.3 Vp-p (1µsec./div.)</p>
 <p>IC1001-27 STOP 0.6 Vp-p (1µsec./div.)</p>	 <p>Q1001-2 STOP 11.8 Vp-p (1µsec./div.)</p>	 <p>Q1003-4 STOP 12.0 Vp-p (1µsec./div.)</p>	 <p>Q1004-2 STOP 18.0 Vp-p (1µsec./div.)</p>	 <p>Q1061-4 STOP 0.2 Vp-p (1µsec./div.)</p>
 <p>Q1062-4 STOP 0.2 Vp-p (1µsec./div.)</p>	 <p>IC801-5 STOP (B/W EVF) 1.0 Vp-p (20µsec./div.) COLOR BAR</p>	 <p>IC3301-25 REC/PLAY 3.5Vp-p (20µsec./div.) COLOR BAR</p>	 <p>IC3301-20 REC 1.8Vp-p (20µsec./div.) COLOR BAR</p>	 <p>IC401-80 REC 0.6Vp-p (20µsec./div.) COLOR BAR</p>
 <p>IC401-85 REC 1.0Vp-p (20µsec./div.) COLOR BAR</p>				

7 BLOCK DIAGRAMS

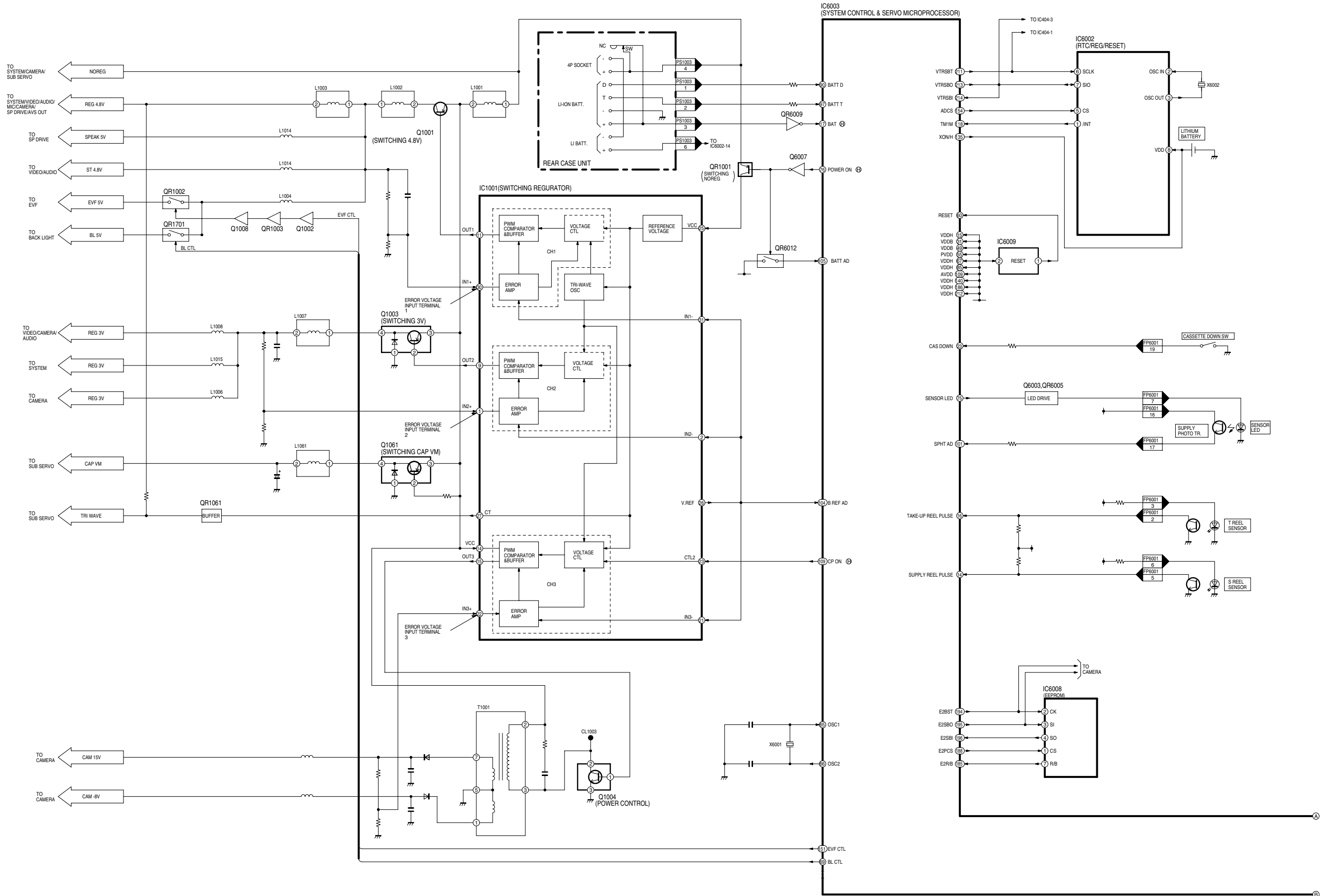
7.1. OVERALL BLOCK DIAGRAM



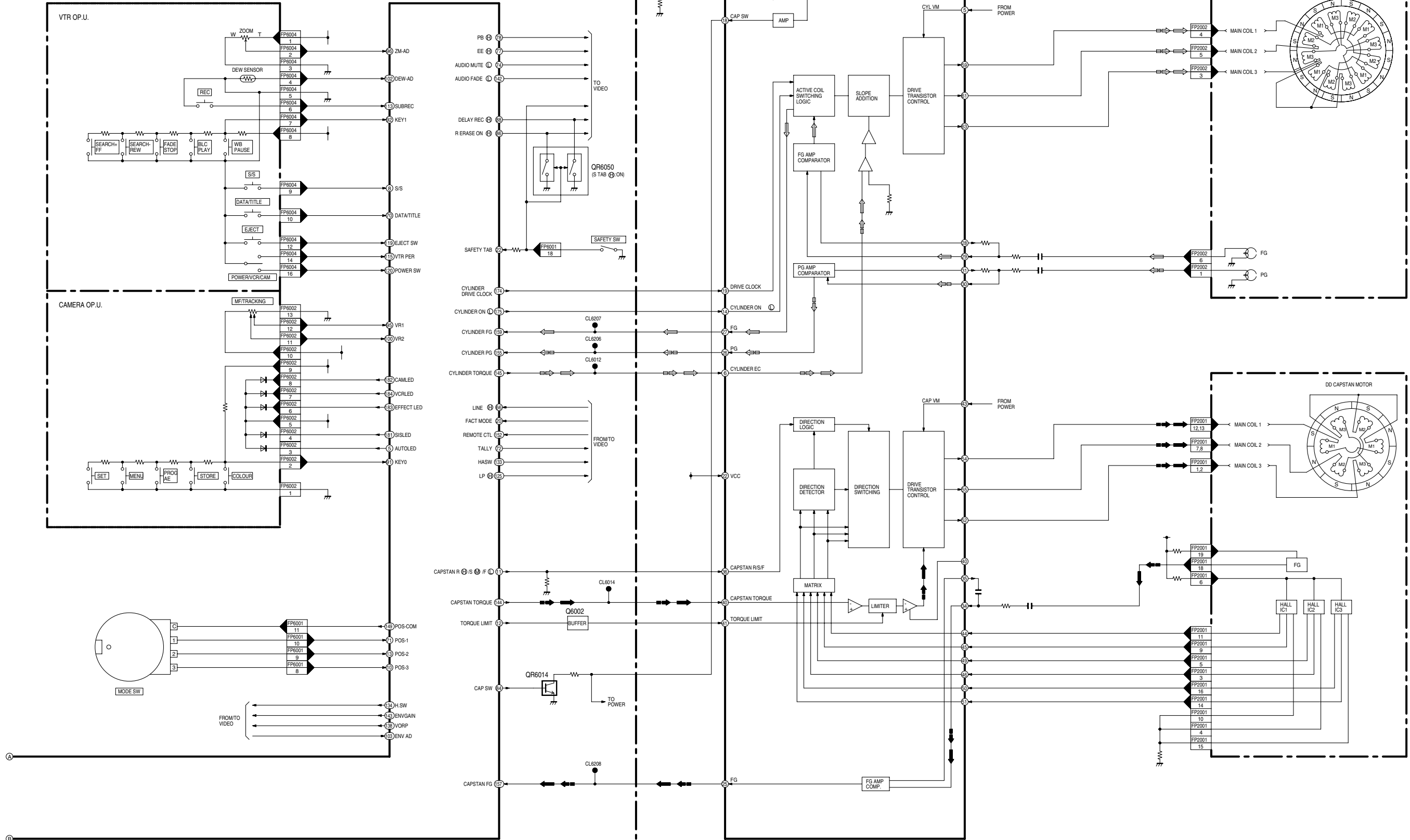
7.2. BLOCK DIAGRAM OF CONNECTION



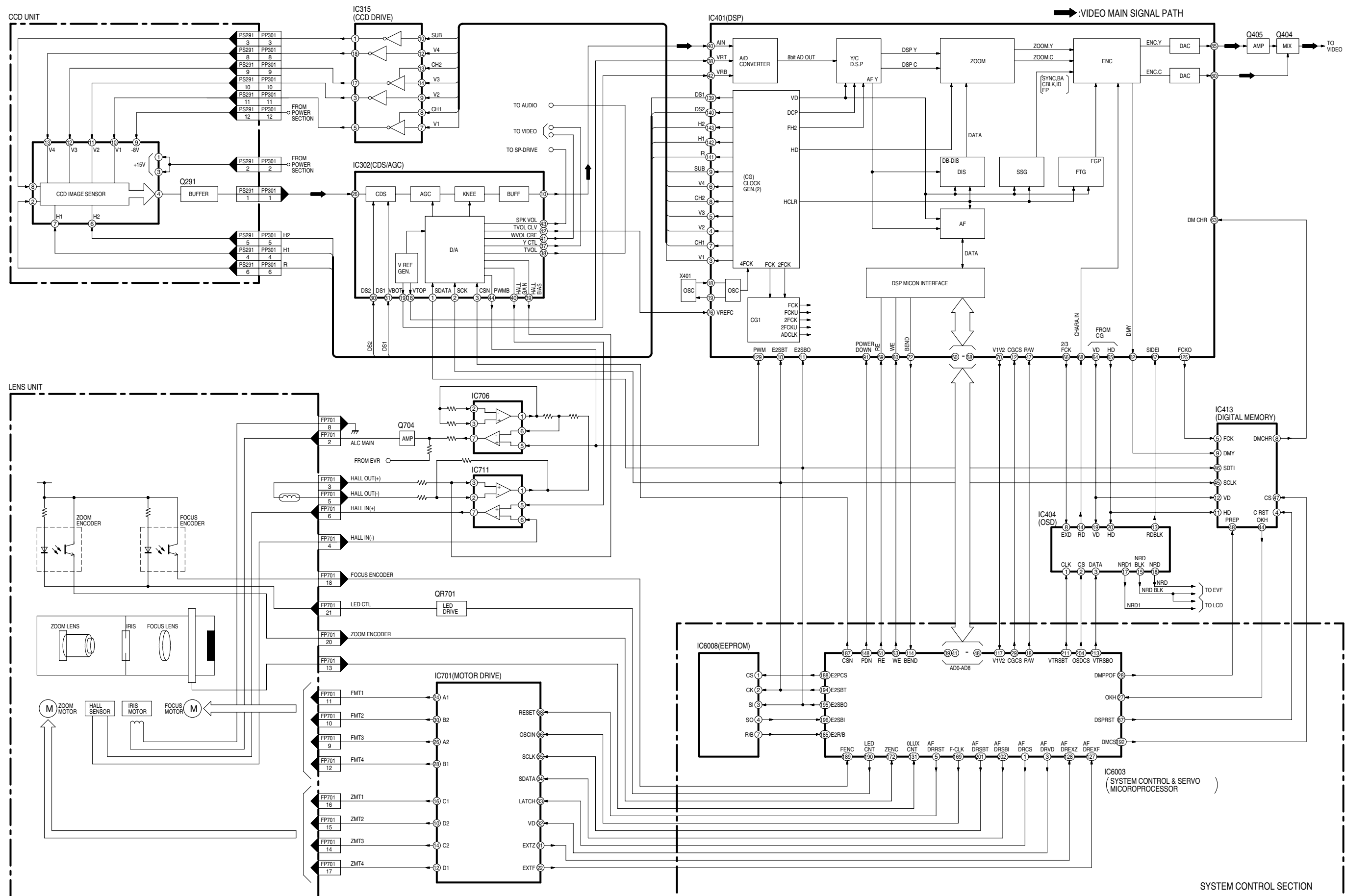
7.3. SYSTEM CONTROL & SERVO/ POWER BLOCK DIAGRAM



→:CAPSTAN SERVO SPEED LOOP
 →:CAPSTAN SERVO PHASE LOOP
 →:CYLINDER SERVO SPEED LOOP
 →:CYLINDER SERVO PHASE LOOP

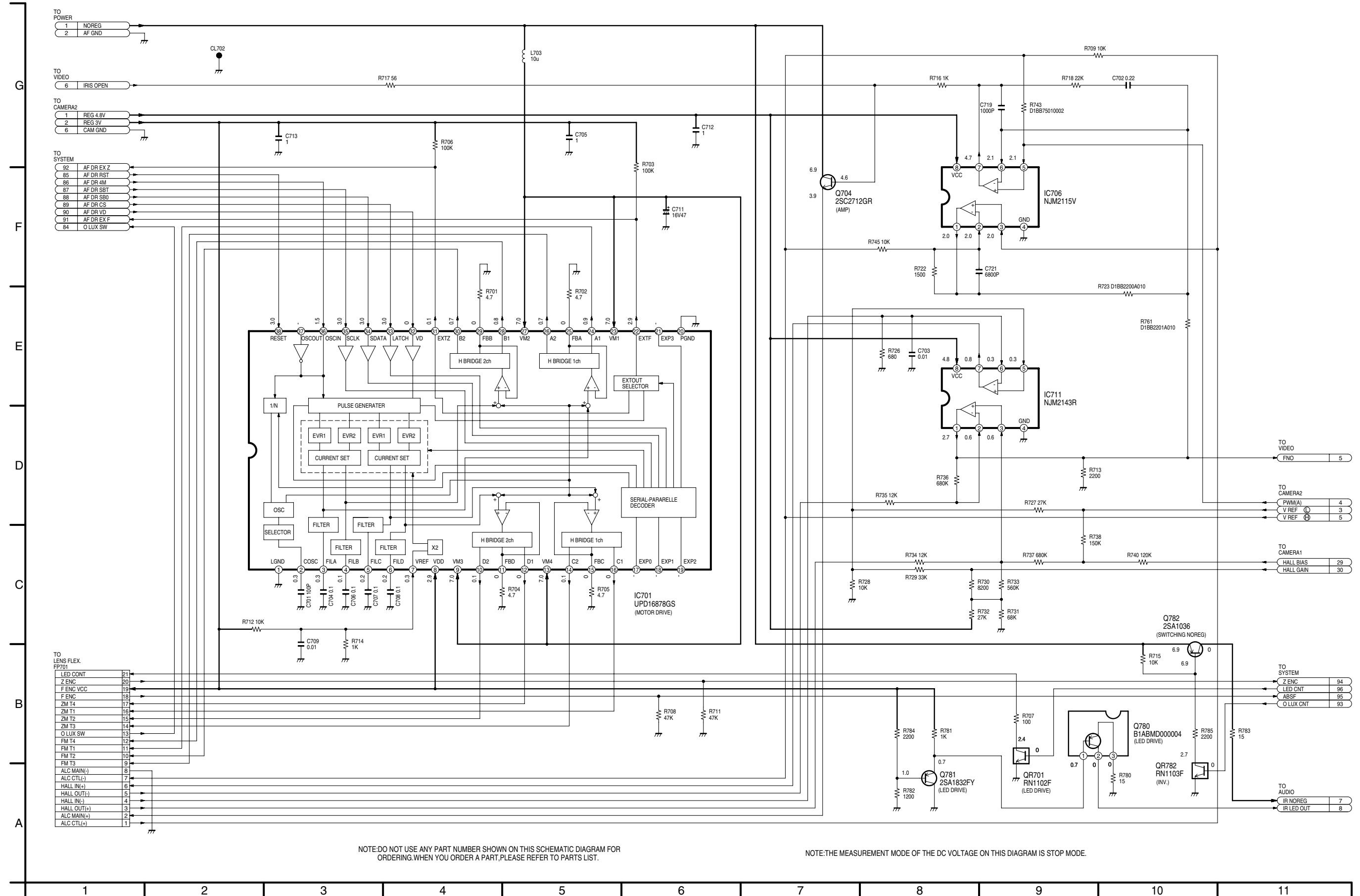


7.4. CAMERA BLOCK DIAGRAM

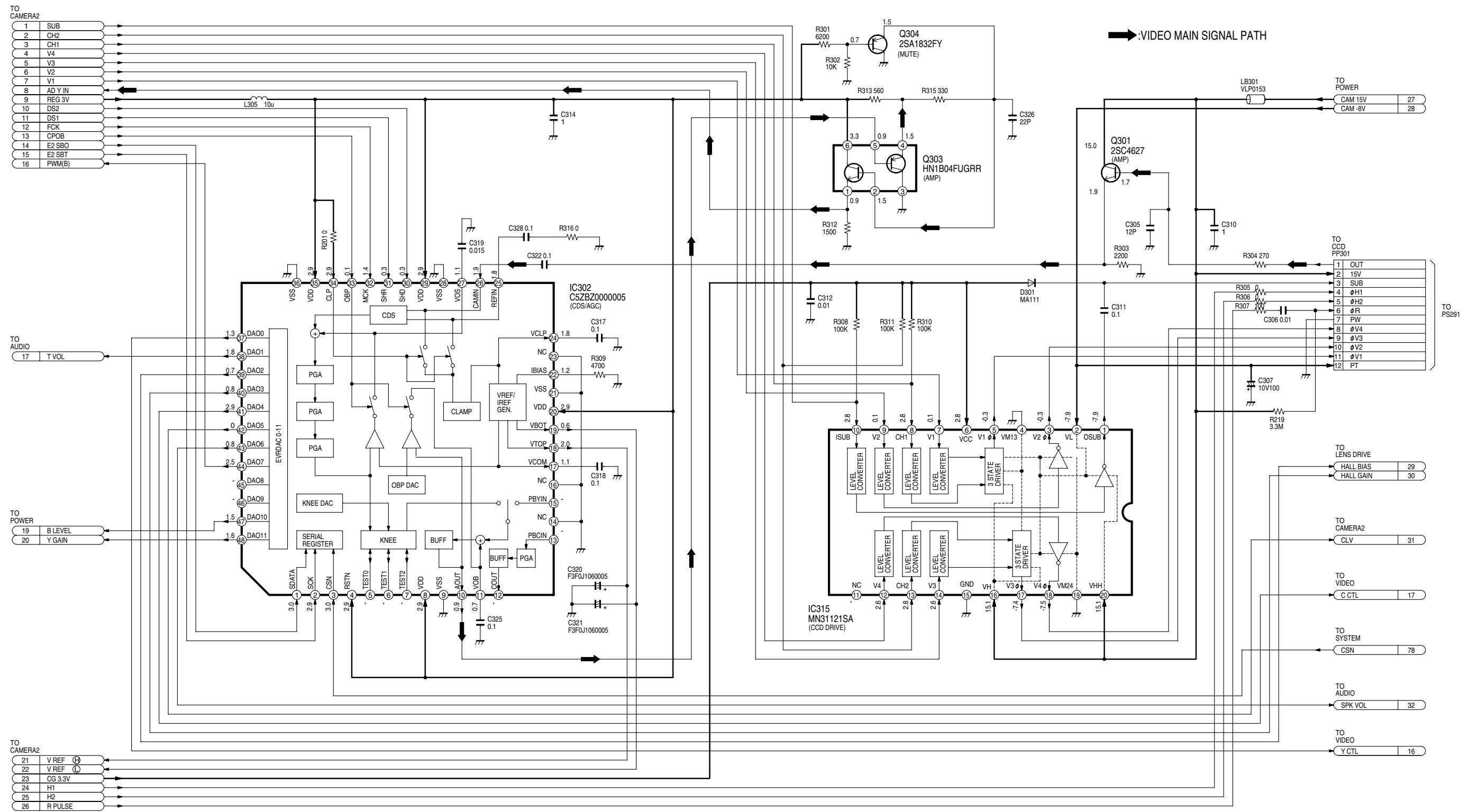


8 SCHEMATIC DIAGRAMS

8.1. LENS DRIVE SCHEMATIC DIAGRAM

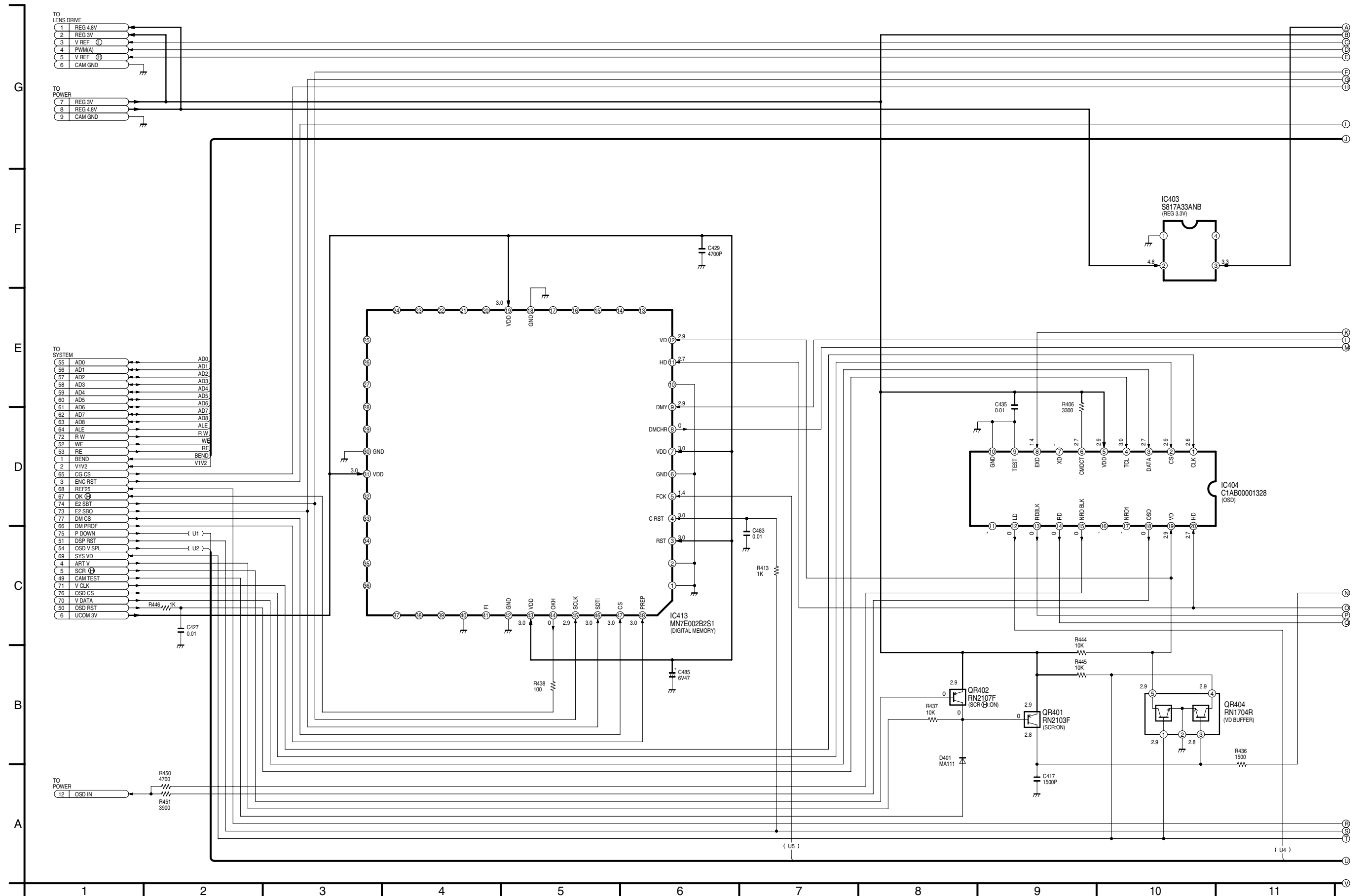


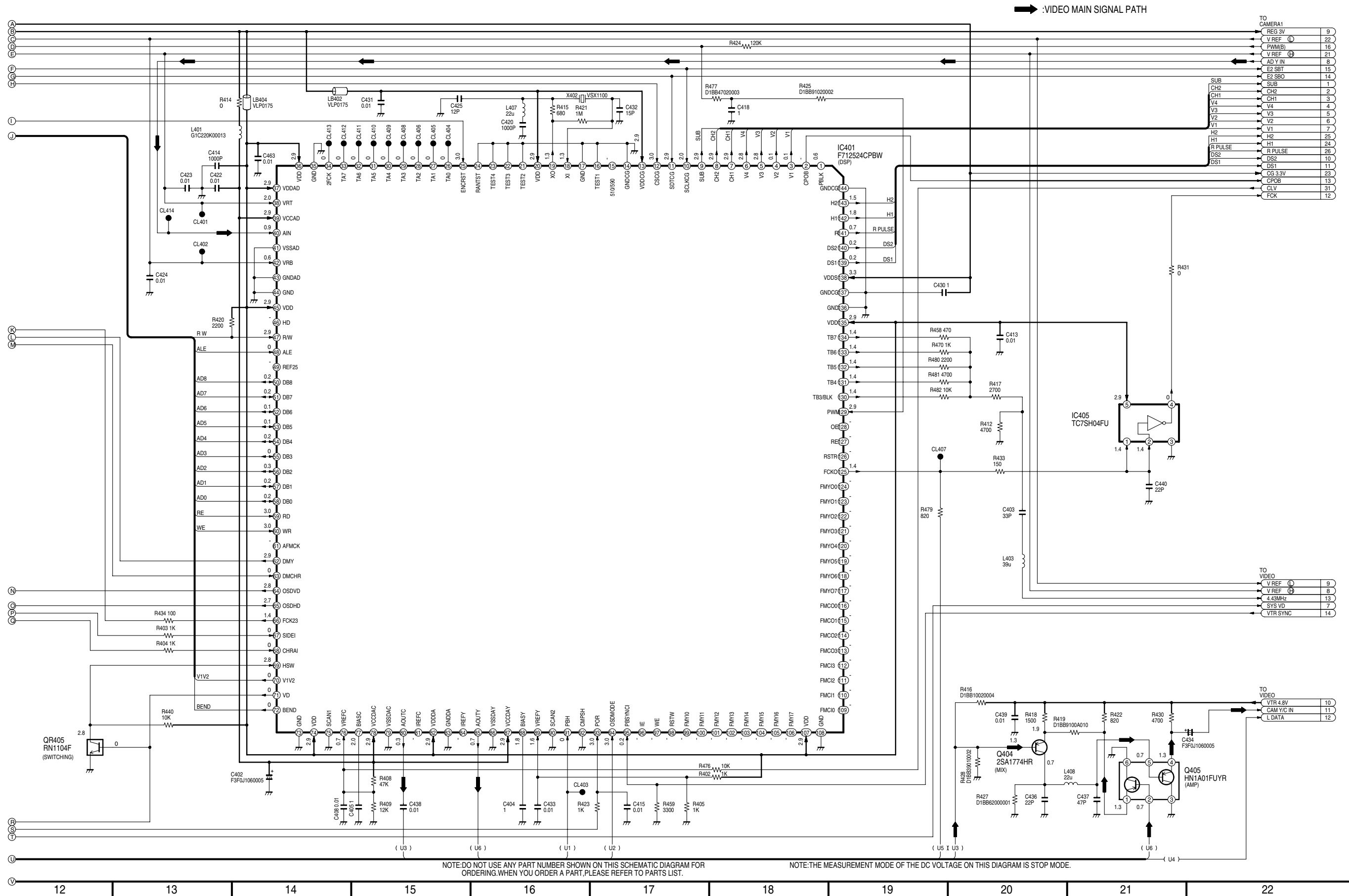
8.2. CAMERA 1 SCHEMATIC DIAGRAM



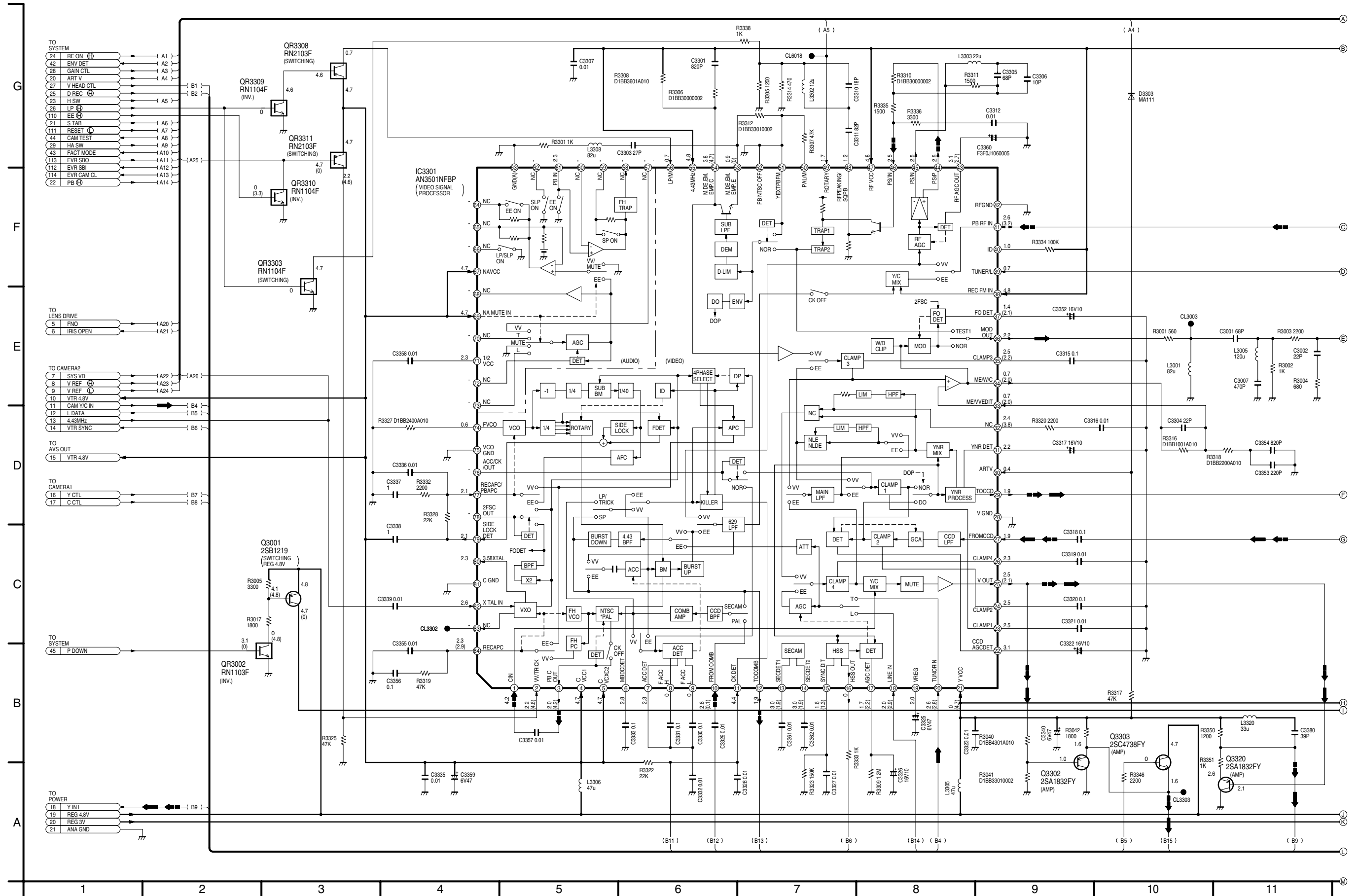
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

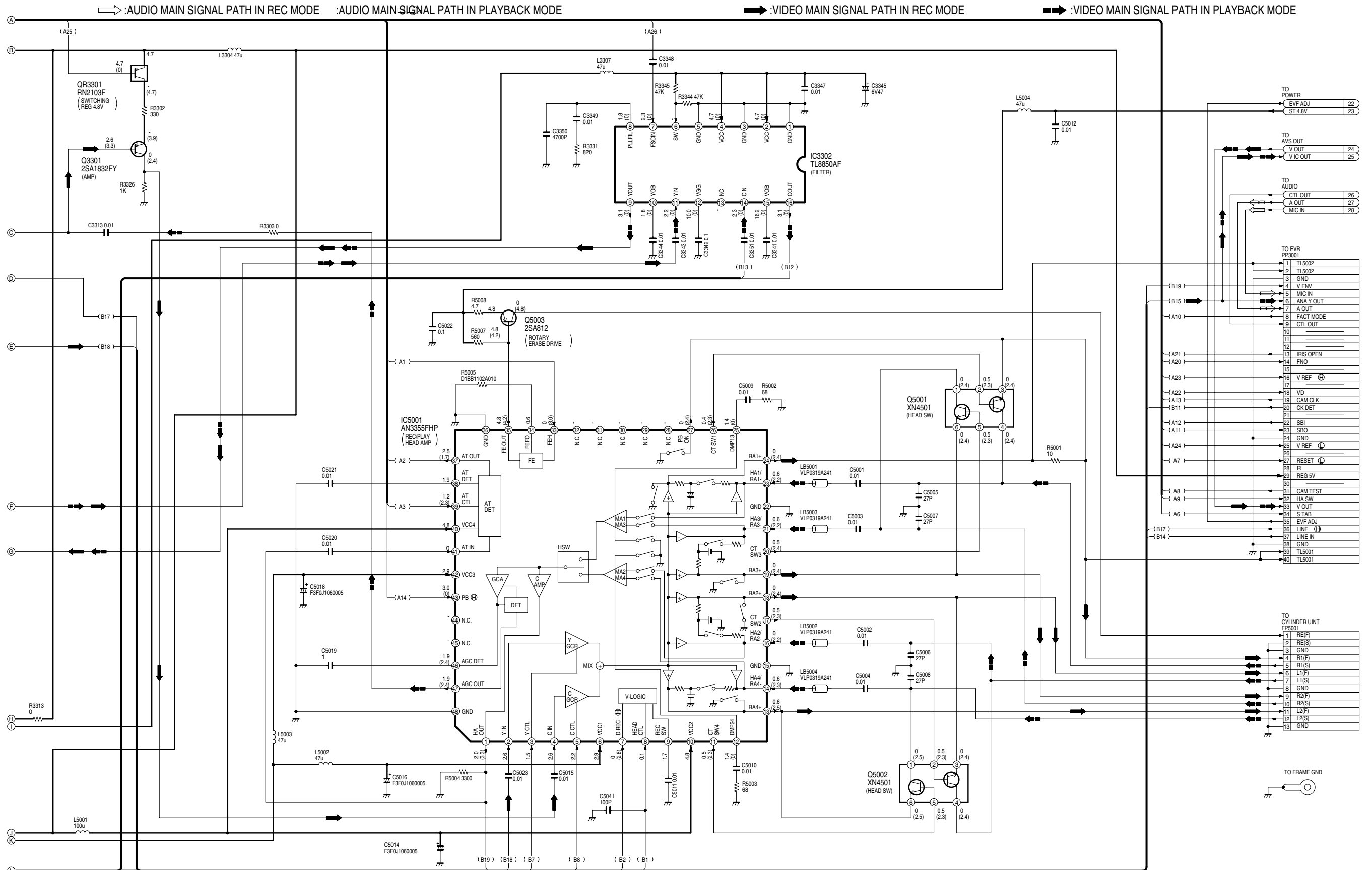
8.3. CAMERA 2 SCHEMATIC DIAGRAM





8.4. VIDEO SCHEMATIC DIAGRAM



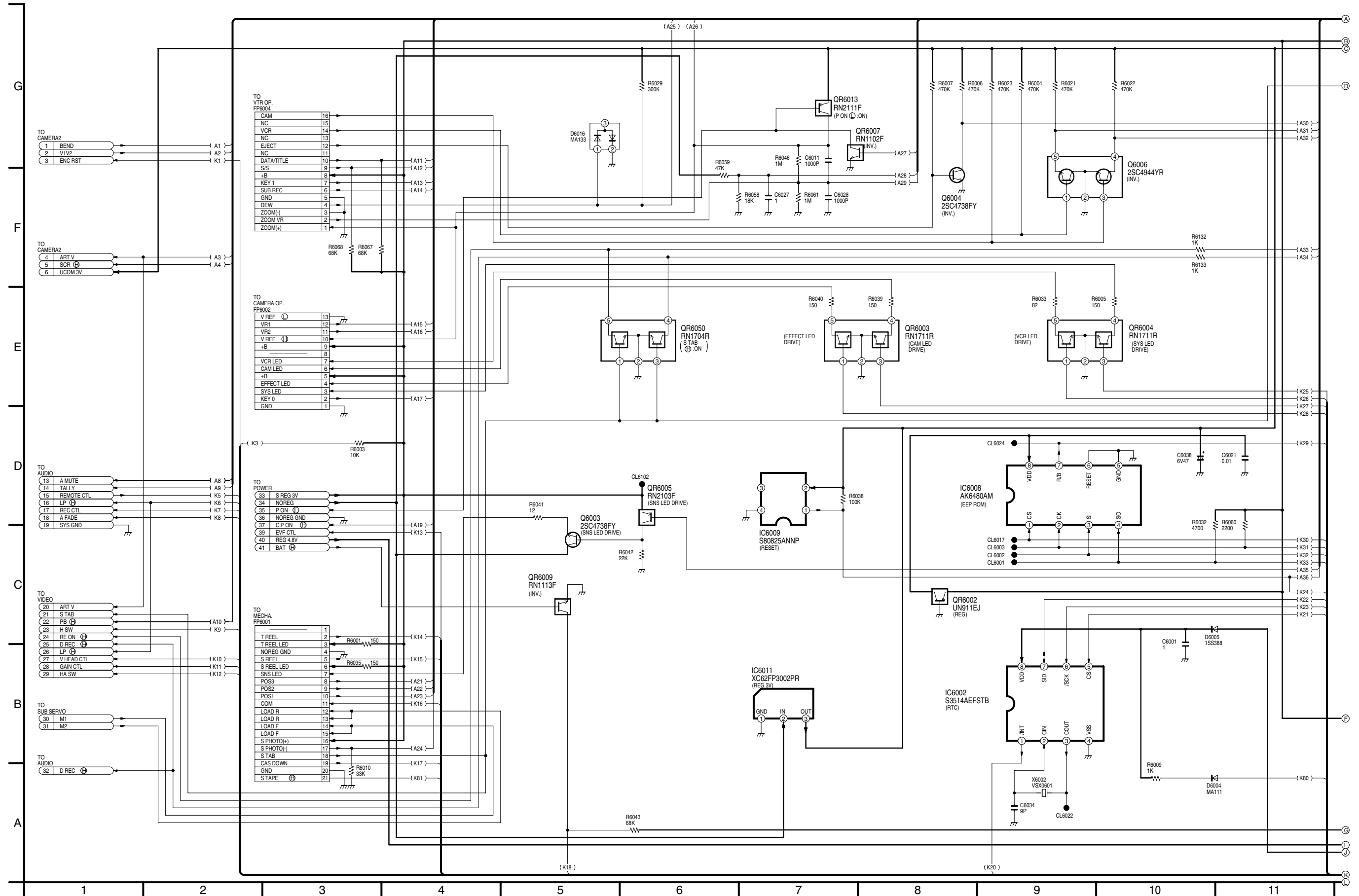


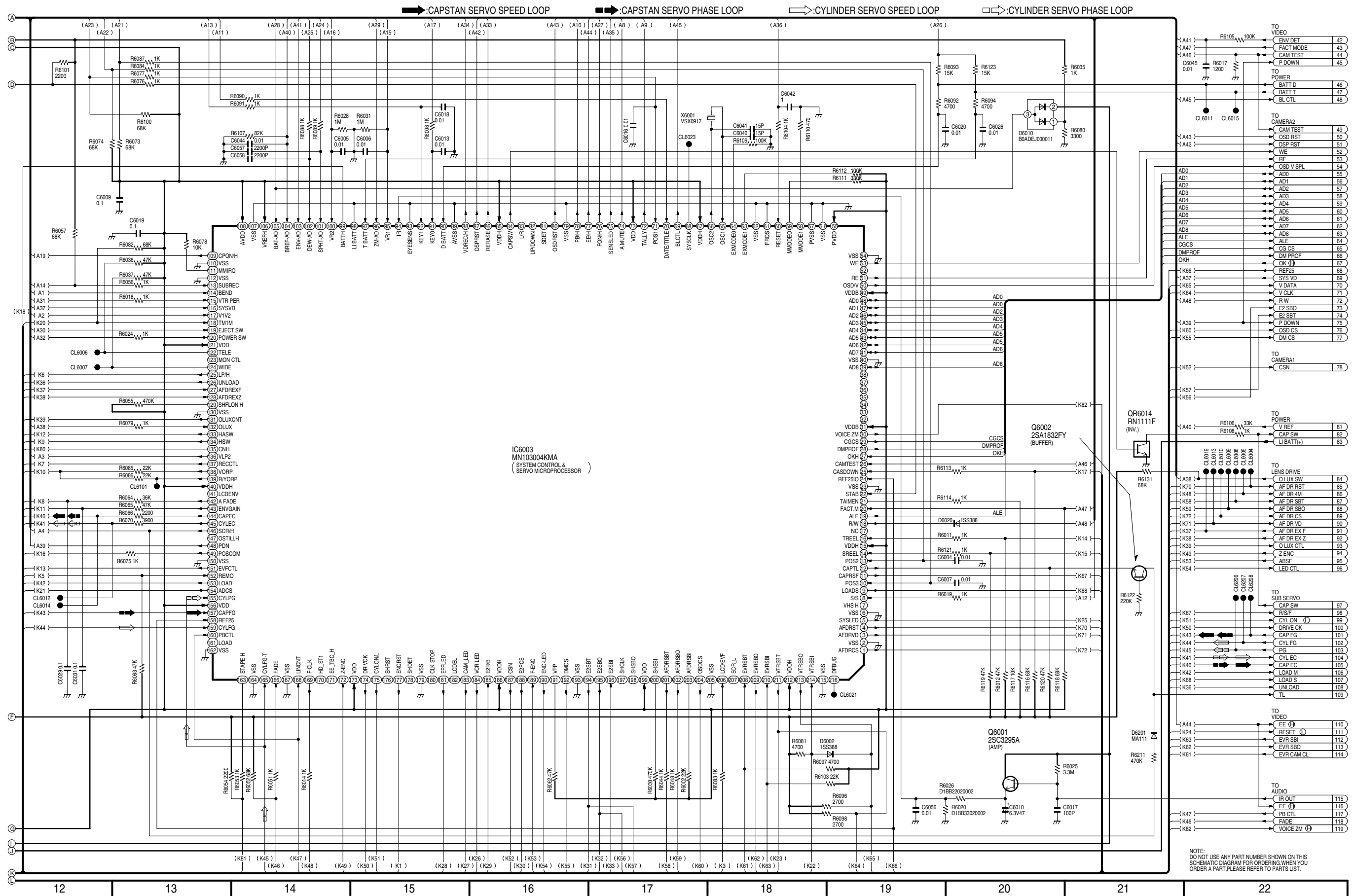
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS () ON THIS DIAGRAM IS RECORD MODE.(SP MODE)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE.

8.5. SYSTEM CONTROL & SERVO SCHEMATIC DIAGRAM



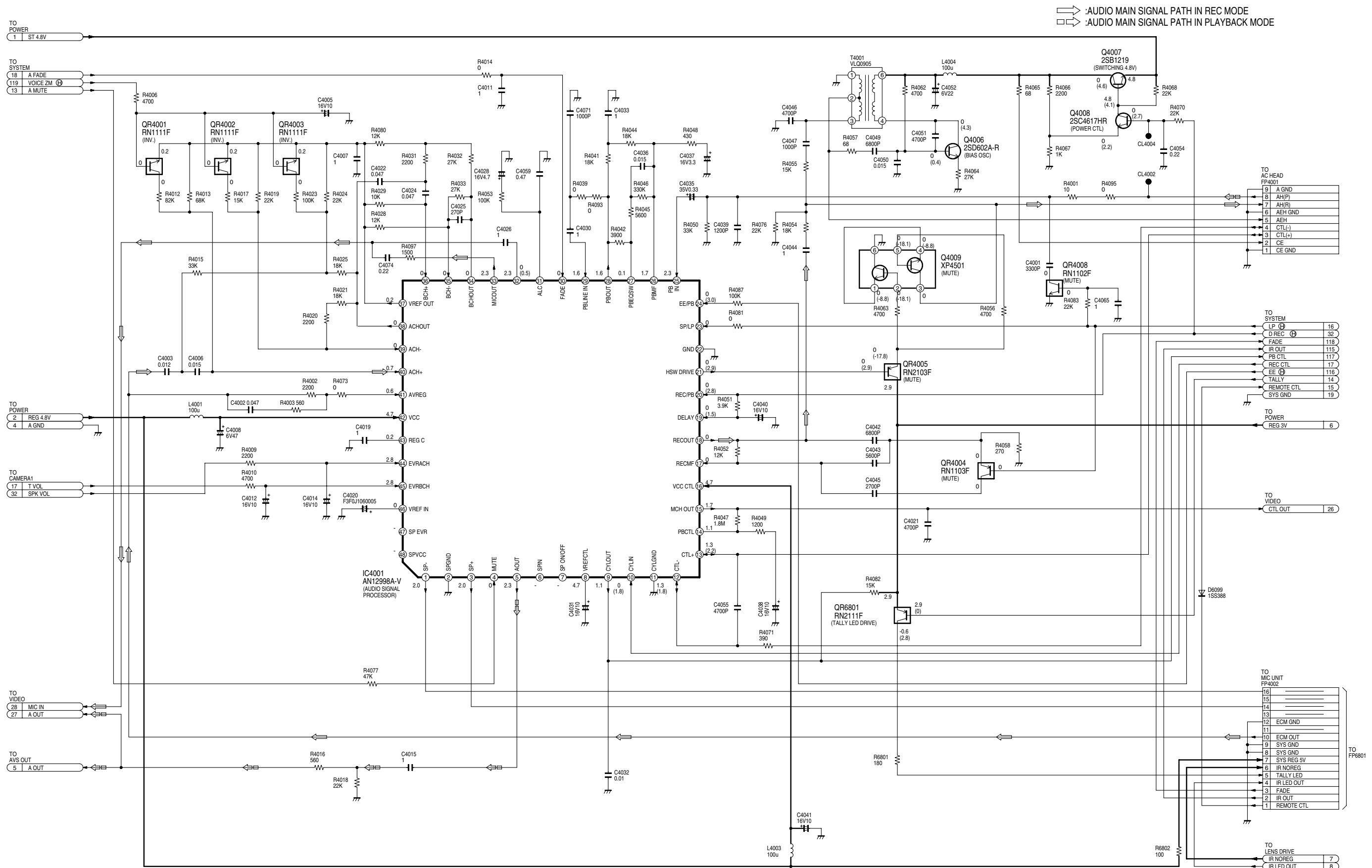


NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

8.5.1. SYSTEM CONTROL& SERVO DC VOLTAGE CHART (SP MODE)

Ref No.	IC6002																			
MODE	1	2	3	4	5	6	7	8												
STOP	3.0	0.4	0.5	0.0	0.2	2.6	2.6	-												
PLAY	3.0	0.4	0.5	0.0	0.2	2.6	2.6	-												
REC.	3.0	0.4	0.5	0.0	0.2	2.6	2.6	-												
F.F.	3.0	0.4	0.5	0.0	0.2	2.6	2.6	-												
REW	3.0	0.4	0.5	0.0	0.2	2.6	2.6	-												
Ref No.	IC6003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.0	0.0	0.0	3.0	3.0	0.0	3.0	2.9	0.0	3.0	0.0	0.0	3.0	0.1	3.0	2.6	3.0	2.9	0.0	3.0
PLAY	3.0	0.0	0.0	3.0	3.0	0.0	3.0	2.9	0.0	3.0	0.0	3.0	3.0	0.1	3.0	1.4	3.0	2.9	0.0	3.0
REC.	3.0	0.0	0.0	3.0	3.0	0.0	3.0	2.9	0.0	3.0	0.0	3.0	3.0	2.7	3.0	1.4	3.0	2.9	0.0	3.0
F.F.	3.0	0.0	0.0	3.0	3.0	0.0	3.0	2.9	0.0	3.0	0.0	3.0	3.0	1.4	3.0	1.4	3.0	2.9	0.0	3.0
REW	3.0	0.0	0.0	3.0	3.0	0.0	3.0	2.9	0.0	3.0	0.0	3.0	3.0	1.4	3.0	1.4	3.0	2.9	0.0	3.0
Ref No.	IC6003																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0.0	0.0	0.0	0.5	0.0	0.0	0.0	3.0	3.0	3.0	3.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
PLAY	0.0	0.0	0.0	0.5	0.0	0.0	0.0	3.0	3.0	3.0	3.0	0.5	0.2	0.3	0.3	0.2	0.3	0.2	0.4	0.0
REC.	0.0	0.0	0.0	0.5	0.0	0.0	0.0	3.0	3.0	3.0	3.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
F.F.	0.0	0.0	0.0	0.5	0.0	0.0	0.0	3.0	3.0	3.0	3.0	0.6	0.2	0.6	0.3	0.2	0.6	0.5	0.4	0.0
REW	0.0	0.0	0.0	0.5	0.0	0.0	0.0	3.0	3.0	3.0	3.0	0.6	0.5	0.6	0.3	0.5	0.6	0.5	0.6	0.0
Ref No.	IC6003																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	3.0	3.0	3.0	3.0	2.9	0.0	3.0	0.0	0.0	0.0	2.9	3.0
PLAY	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.4	3.0	0.0	3.0	3.0	2.9	0.0	3.0	0.0	0.0	0.0	2.9	3.0
REC.	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3	3.0	3.0	3.0	3.0	2.9	0.0	3.0	0.0	0.0	0.0	2.9	3.0
F.F.	0.6	0.3	0.4	0.6	0.4	0.6	0.5	0.6	3.0	3.0	3.0	3.0	3.0	0.0	3.0	0.0	0.0	0.0	2.9	3.0
REW	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	3.0	3.0	3.0	3.0	3.0	0.0	3.0	0.0	0.0	0.0	2.9	3.0
Ref No.	IC6003																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0.0	0.0	3.0	0.0	1.4	1.5	3.0	1.4	0.0	2.9	0.0	3.0	2.6	0.0	3.0	3.0	3.0	0.0	0.0	3.0
PLAY	0.0	0.0	3.0	0.0	1.4	1.5	3.0	1.4	0.0	2.9	0.0	3.0	2.6	0.0	3.0	3.0	3.0	0.0	0.0	3.0
REC.	0.0	0.0	3.0	0.0	1.4	1.5	3.0	1.4	0.0	2.9	0.0	0.0	2.6	0.0	3.0	3.0	3.0	0.0	0.0	3.0
F.F.	0.0	0.0	3.0	0.0	1.4	1.4	3.0	1.4	0.0	2.9	0.0	3.0	2.6	3.0	2.9	3.0	3.0	0.0	0.0	3.0
REW	0.0	0.0	3.0	0.0	1.4	1.4	3.0	1.4	0.0	2.9	0.0	3.0	2.6	3.0	2.9	3.0	3.0	0.0	0.0	3.0
Ref No.	IC6003																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
STOP	0.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	0.0	3.0	2.9	2.9	2.9	0.0	0.0	1.5	3.0	0.0	0.0	1.9
PLAY	0.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	0.0	3.0	2.9	2.9	2.9	0.0	0.0	1.5	3.0	0.0	0.0	1.9
REC.	0.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	0.0	3.0	2.9	2.9	2.9	0.0	0.0	1.5	3.0	0.0	0.0	1.9
F.F.	0.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	0.0	3.0	2.9	2.9	2.9	0.0	0.0	1.5	3.0	0.0	0.0	1.9
REW	0.0	3.0	0.0	0.0	3.0	0.0	3.0	0.0	0.0	3.0	2.9	2.9	2.9	0.0	0.0	1.5	3.0	0.0	0.0	1.9
Ref No.	IC6003																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
STOP	0.0	0.0	1.6	1.7	1.9	3.0	0.0	3.0	3.0	0.0	3.0	0.0	2.9	0.1	0.0	0.1	0.0	3.0	0.0	2.9
PLAY	0.0	0.0	2.5	1.7	2.0	3.0	0.0	3.0	0.0	0.0	3.0	0.0	2.9	0.1	2.9	0.1	0.0	3.0	0.0	0.0
REC.	0.0	0.0	1.7	1.7	2.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	2.9	0.1	0.0	0.1	0.0	3.0	0.0	2.9
F.F.	0.0	0.0	1.6	1.7	2.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	2.9	0.1	2.9	0.1	0.0	3.0	0.0	0.0
REW	0.0	0.0	1.6	1.7	2.0	3.0	0.0	3.0	3.0	0.0	3.0	0.0	2.9	0.1	2.9	0.1	0.0	3.0	0.0	0.0
Ref No.	IC6003																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
STOP	2.6	3.0	3.0	3.0	0.0	0.0	2.9	0.1	2.8	0.0	0.0	1.5	1.5	0.0	0.0	0.0	0.0	0.1	3.0	0.0
PLAY	2.6	3.0	3.0	3.0	0.0	0.0	2.9	0.1	2.9	0.0	0.0	1.5	1.5	0.0	0.0	0.0	0.0	0.1	3.0	0.0
REC.	2.6	3.0	3.0	3.0	0.0	0.0	2.9	0.1	2.9	0.0	0.0	1.5	1.5	0.0	0.0	1.8	0.0	0.1	3.0	0.0
F.F.	2.6	3.0	3.0	3.0	0.0	0.0	2.9	0.1	2.9	0.0	0.0	1.5	1.5	0.0	0.0	0.0	0.0	0.1	3.0	0.0
REW	2.6	3.0	3.0	3.0	0.0	0.0	2.9	0.1	2.9	0.0	0.0	1.5	1.5	0.0	0.0	0.0	0.0	0.1	3.0	0.0
Ref No.	IC6003																			
MODE	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
STOP	0.0	0.0	2.3	0.2	1.6	0.0	0.0	0.0	0.0	0.0	3.0	2.9	0.0	0.2	0.1	2.6	0.5	0.5	1.5	0.0
PLAY	0.0	0.5	1.2	1.2	1.6	0.0	0.0	1.3	0.0	0.0	3.0	2.9	0.0	0.2	0.1	2.5	1.5	0.5	1.5	0.0
REC.	0.0	0.0	2.3	1.2	1.6	0.0	0.0	0.0	0.0	0.0	3.0	2.9	0.0	0.2	0.1	2.6	1.5	0.5	1.5	0.6
F.F.	0.0	0.0	0.0	1.1	1.6	0.0	0.0	0.0	0.0	0.0	3.0	2.9	0.0	0.2	0.1	2.6	1.5	0.5	1.5	1.6
REW	0.0	0.0	1.1	1.1	1.6	0.0	0.0	0.0	0.0	0.0	3.0	2.9	0.0	0.2	0.1	2.6	1.5	0.5	1.5	1.6
Ref No.	IC6003																			
MODE	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
STOP	0.0	0.0	2.8	0.0	0.1	2.9	0.0	2.6	1.5	3.0	3.0	0.0	2.6	1.5	0.0	3.0	3.0	2.8	0.0	1.6
PLAY	0.0	0.0	2.8	0.0	0.1	2.9	0.0	0.0	1.5	0.0	0.0	0.0	2.6	1.5	0.0	3.0	3.0	2.8	0.0	1.6
REC.	0.0	0.0	2.8	0.0	0.1	2.9	0.0	1.7	1.8	3.0	3.0	0.0	2.6	1.5	0.0	0.0	3.0	2.8	0.0	1.6
F.F.	0.0	0.0	2.9	0.0	0.1	2.9	0.0	1.6	1.5	3.0	3.0	0.0	2.5	1.5	0.0	1.3	3.0	2.8	0.0	1.6
REW	0.0	0.0	2.9	0.0	0.1	2.9	0.0	1.6	1.5	3.0	3.0	0.0	2.6	1.5	0.0	0.0	3.0	2.8	0.0	1.6
Ref No.	IC6003																			
MODE	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
STOP	0.0	3.0	0.0	0.0	2.9	3.0	3.0	3.0	0.0	0.0	2.9	3.0	0.0	2.9	3.0	2.9	1.0	3.0	2.6	2.9
PLAY	0.0	0.0	0.0	3.0	2.9	3.0	3.0	0.0	0.0	0.0	2.9	3.0	0.0	2.9	3.0	2.9	0.9	3.0	2.6	2.9
REC.	0.0	3.0	0.0	0.0	2.9	3.0	3.0	3.0	0.0	0.0	2.9	3.0	0.0	2.9	3.0	2.9	3.0	3.0	2.6	3.1
F.F.	0.0	0.0	0.0	3.0	2.9	3.0	3.0	3.0	0.0	0.0	2.9	3.0	0.0	2.9	3.0	2.9	3.0	3.0	2.6	3.1
REW	0.0	0.0	0.0	3.0	2.9	3.0	3.0	3.0	0.0	0.0	2.9	3.0	0.0	2.9	3.0	2.9	3.0	3.0	2.6	3.1
Ref No.	IC6003																			
MODE	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216				
STOP	3.0	3.0	3.0	2.9	0.0	0.0	3.0	3.0	3.0	3.0	2.8	3.0	2.9	2.7	0.0	0.0				
PLAY	3.0	3.0	3.0	2.9	0.0	0.0	3.0	3.0	3.0	3.0	2.8	3.0	2.9	2.7	0.0	0.0				
REC.	3.0	3.0	3.0	2.9	0.0	0.0	3.0	3.0	3.0	3.0	2.9	3.0	2.9	2.7	0.0	0.0				
F.F.	3.0	3.0	3.0	2.9	0.0	0.0	3.0	3.0	3.0	3.0	2.8	3.0	2.9	2.7	0.0	0.0				
REW	3.0	3.0	3.0	2.9	0.0	0.0														

8.6. AUDIO SCHEMATIC DIAGRAM



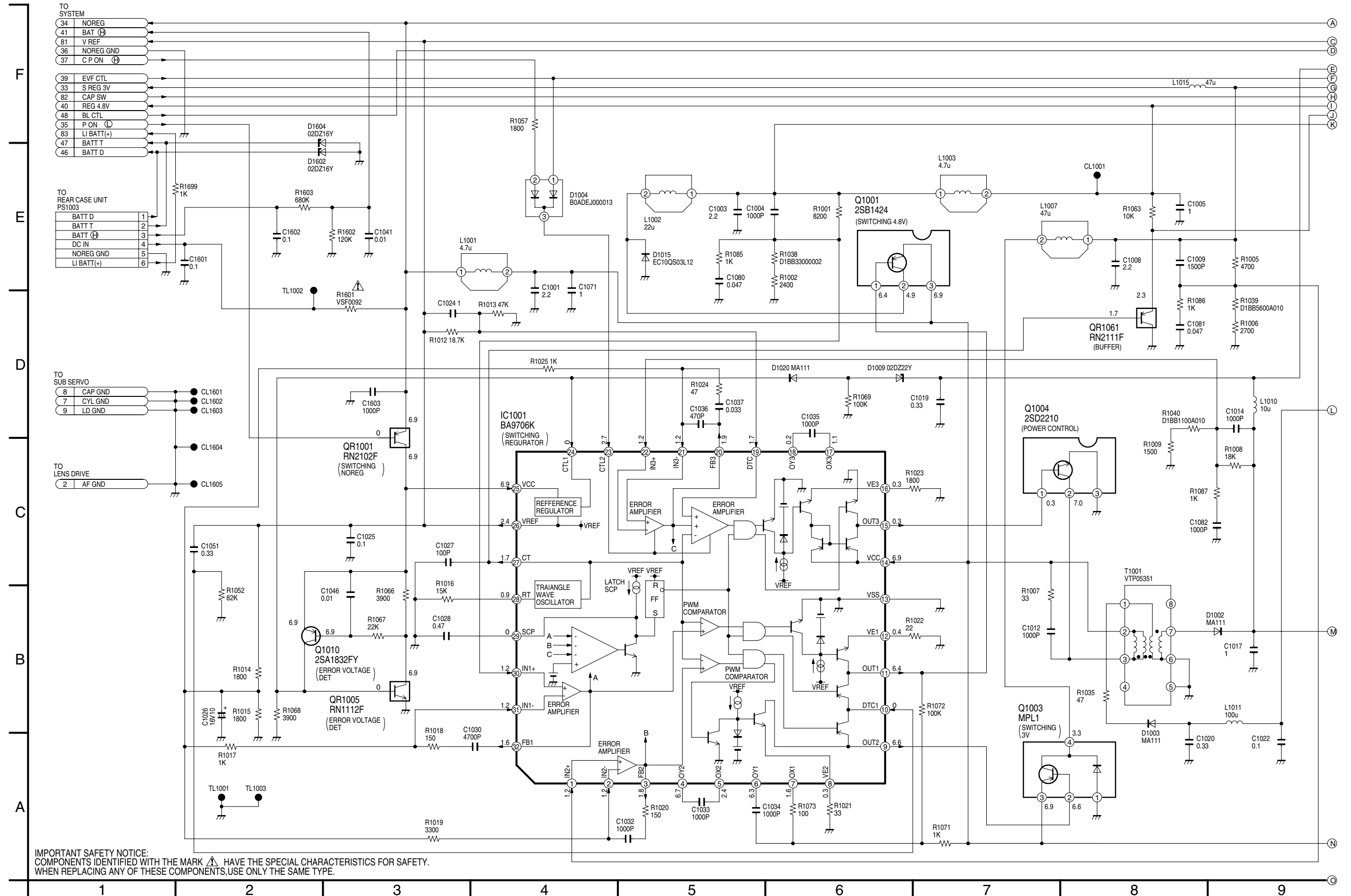
⇒ :AUDIO MAIN SIGNAL PATH IN REC MODE
 □ :AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

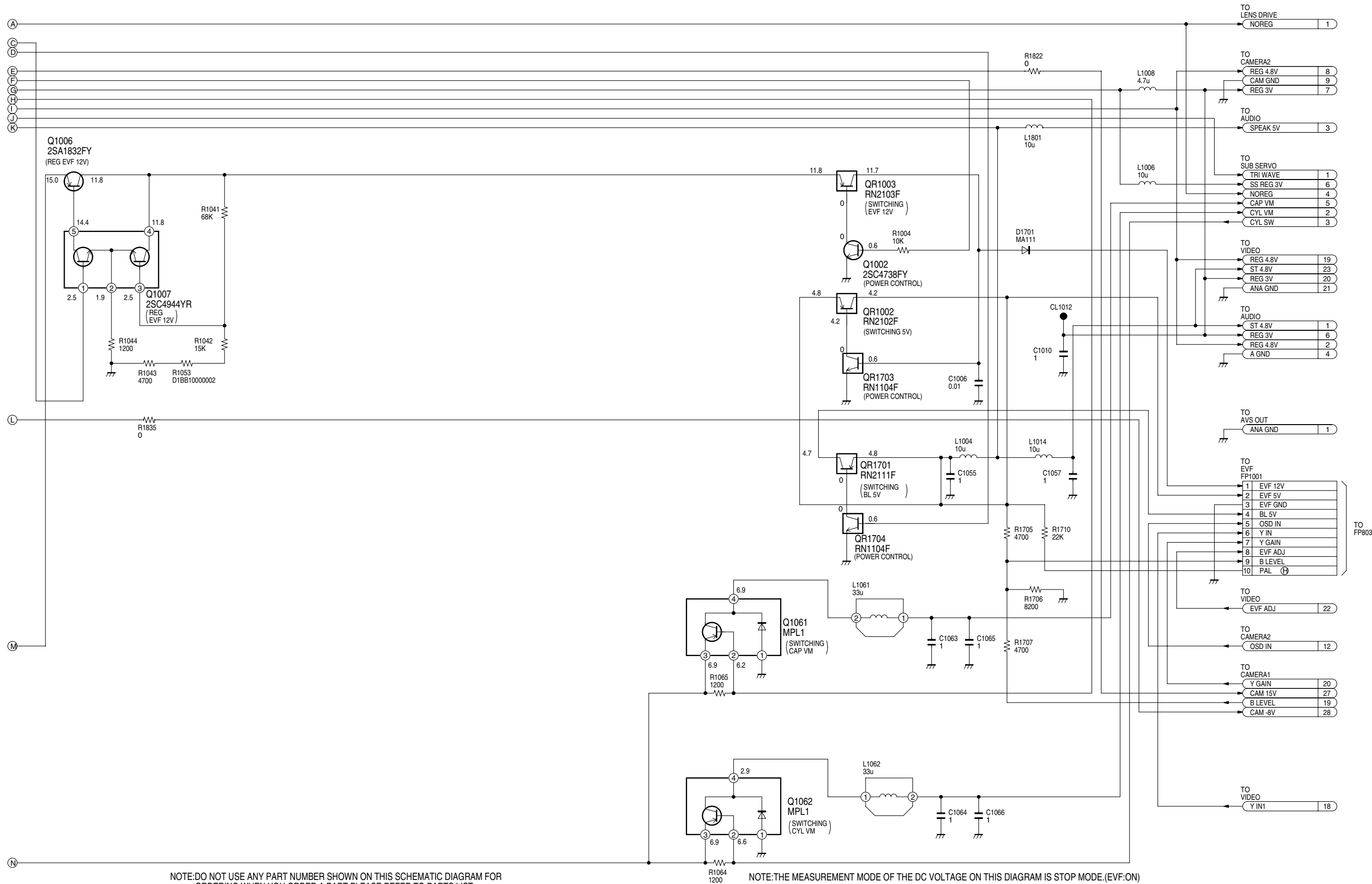
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS () ON THIS DIAGRAM IS RECORD MODE.(SP MODE)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE.

8.7. POWER SCHEMATIC DIAGRAM

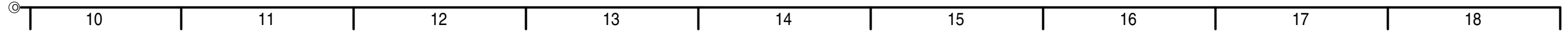


IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK  HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

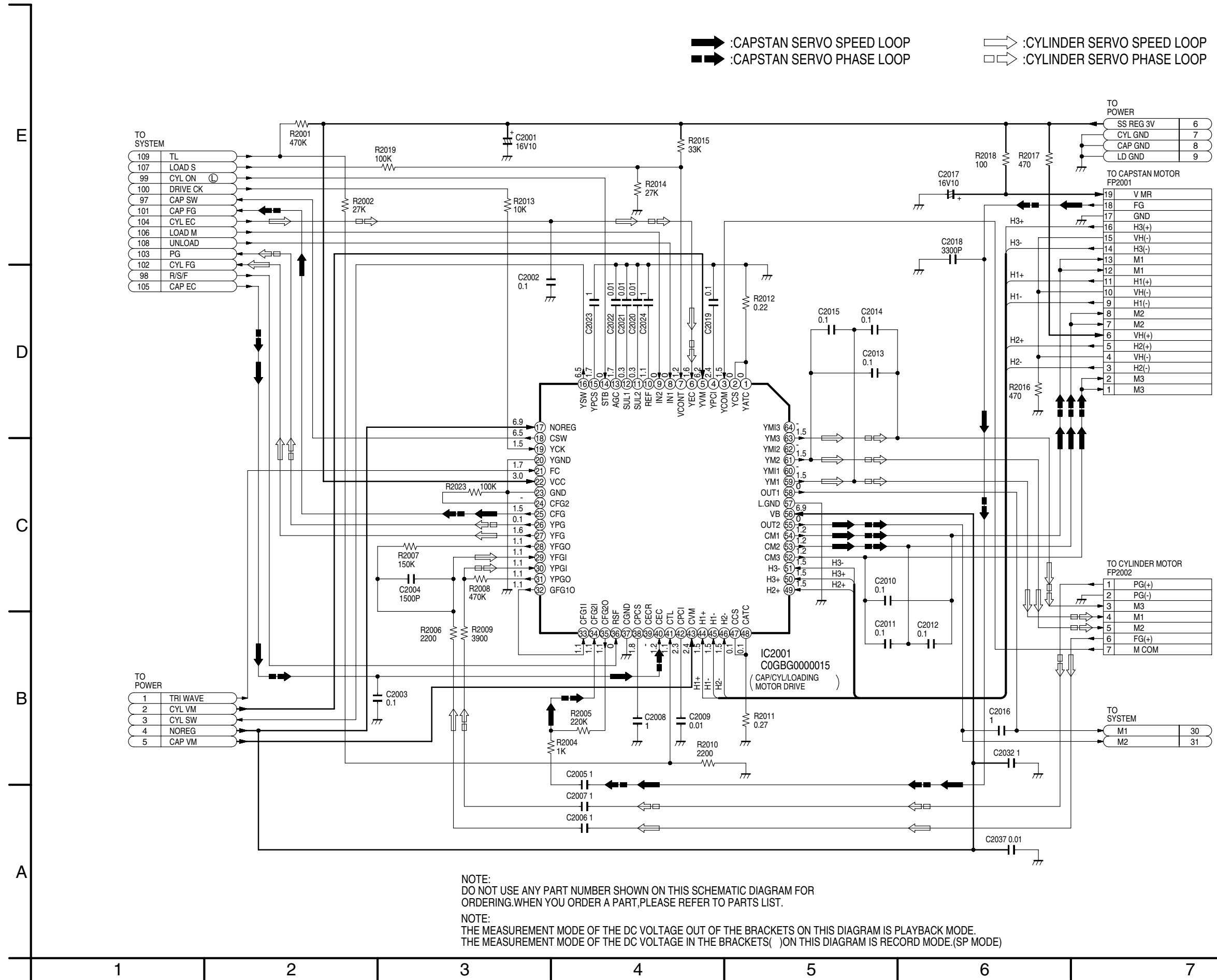


NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE (EVF: ON)



8.8. SUB SERVO SCHEMATIC DIAGRAM



➡ :CAPSTAN SERVO SPEED LOOP
- - - ➡ :CAPSTAN SERVO PHASE LOOP
➡ :CYLINDER SERVO SPEED LOOP
- - - ➡ :CYLINDER SERVO PHASE LOOP

TO SYSTEM

109	TL
107	LOAD S
99	CYL ON (L)
100	DRIVE CK
97	CAP SW
101	CAP FG
104	CYL EC
106	LOAD M
108	UNLOAD
103	PG
102	CYL FG
98	R/S/F
105	CAP EC

TO POWER

1	TRI WAVE
2	CYL VM
3	CYL SW
4	NOREG
5	CAP VM

TO POWER

SS REG 3V	6
CYL GND	7
CAP GND	8
LD GND	9

TO CAPSTAN MOTOR FP2001

19	V MR
18	FG
17	GND
16	H3(+)
15	VH(-)
14	H3(-)
13	M1
12	M1
11	H1(+)
10	VH(-)
9	H1(-)
8	M2
7	M2
6	VH(+)
5	H2(+)
4	VH(-)
3	H2(-)
2	M3
1	M3

TO CYLINDER MOTOR FP2002

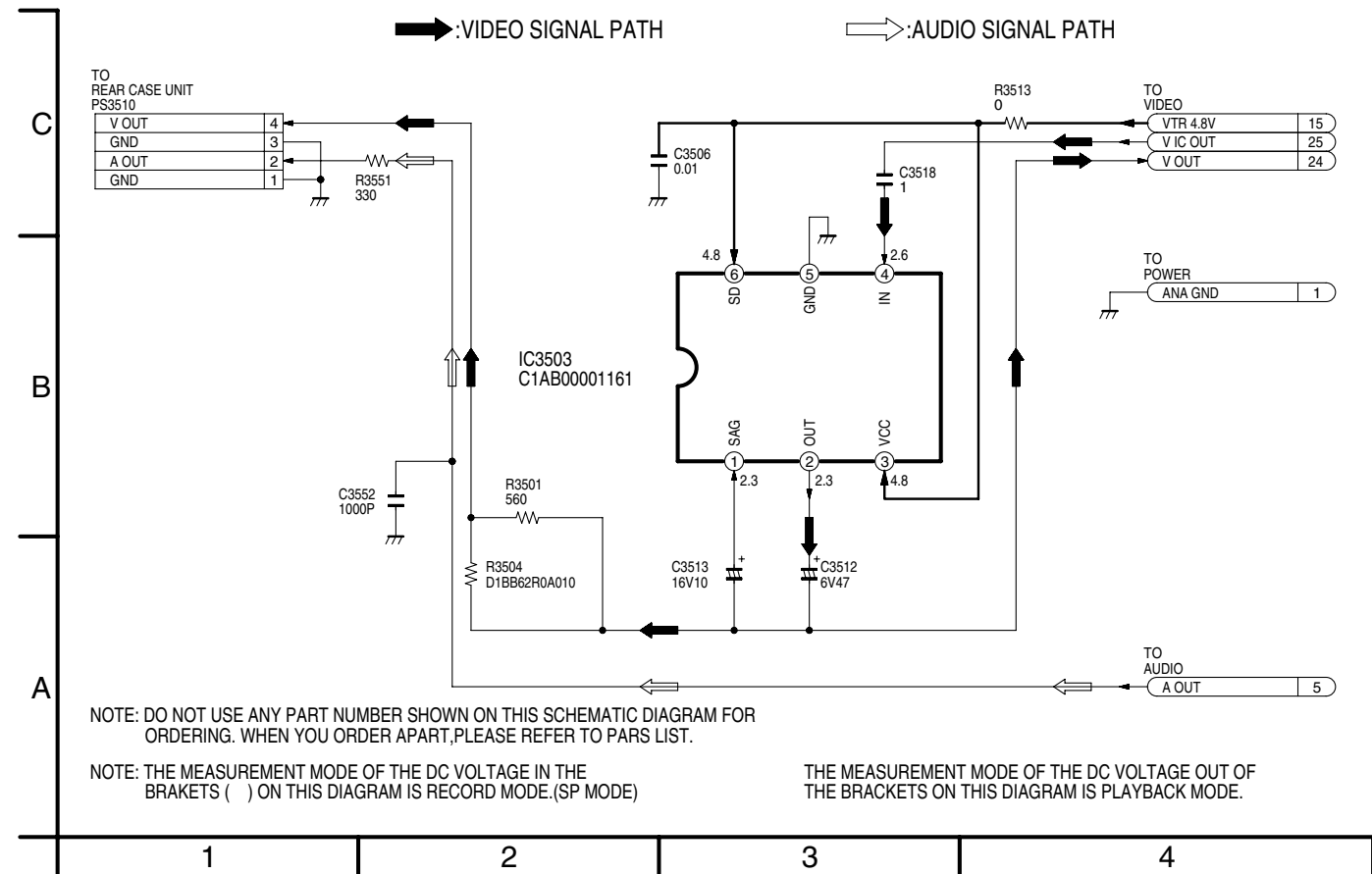
1	PG(+)
2	PG(-)
3	M3
4	M1
5	M2
6	FG(+)
7	M COM

TO SYSTEM

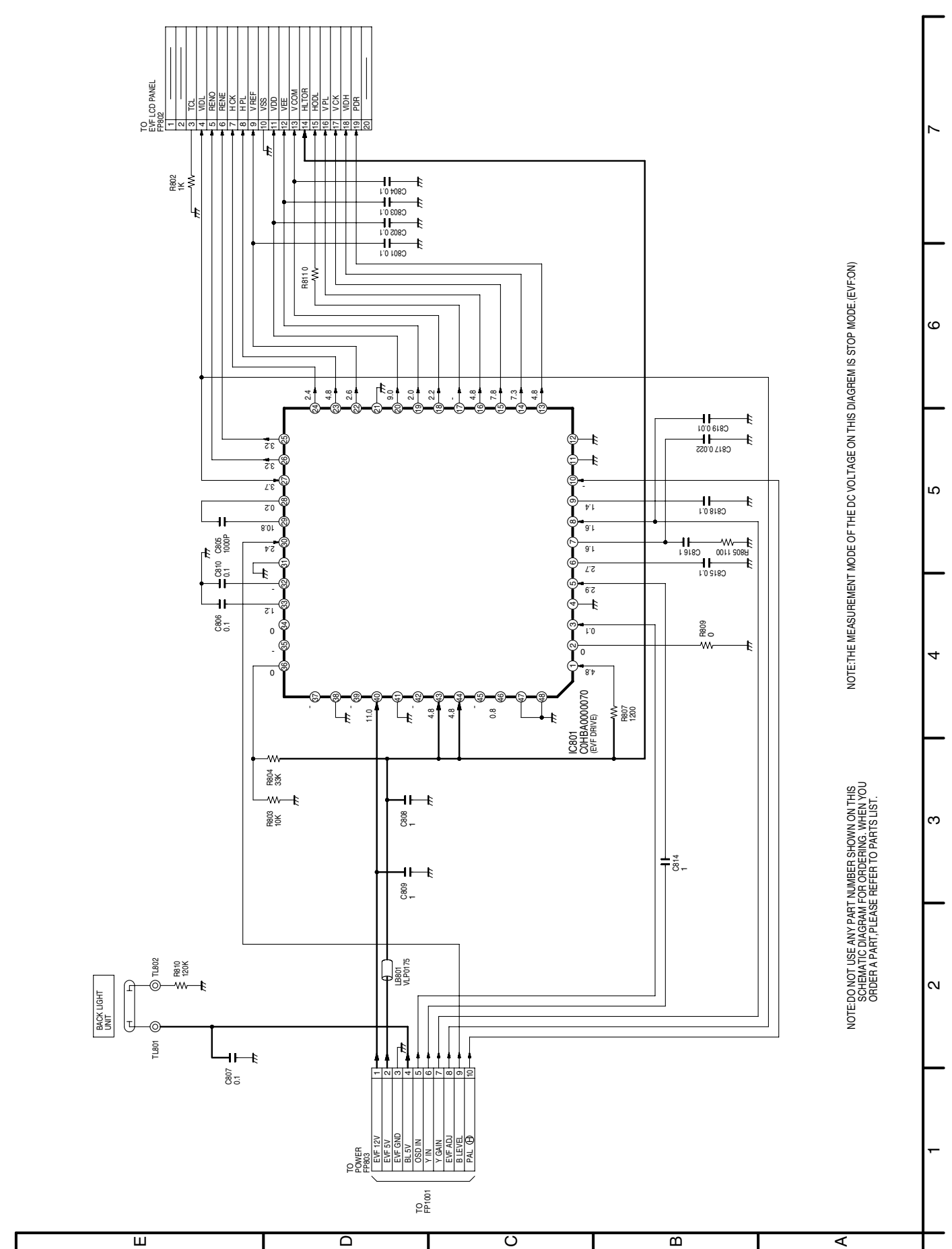
M1	30
M2	31

NOTE:
 DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.
 NOTE:
 THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE.
 THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS() ON THIS DIAGRAM IS RECORD MODE.(SP MODE)

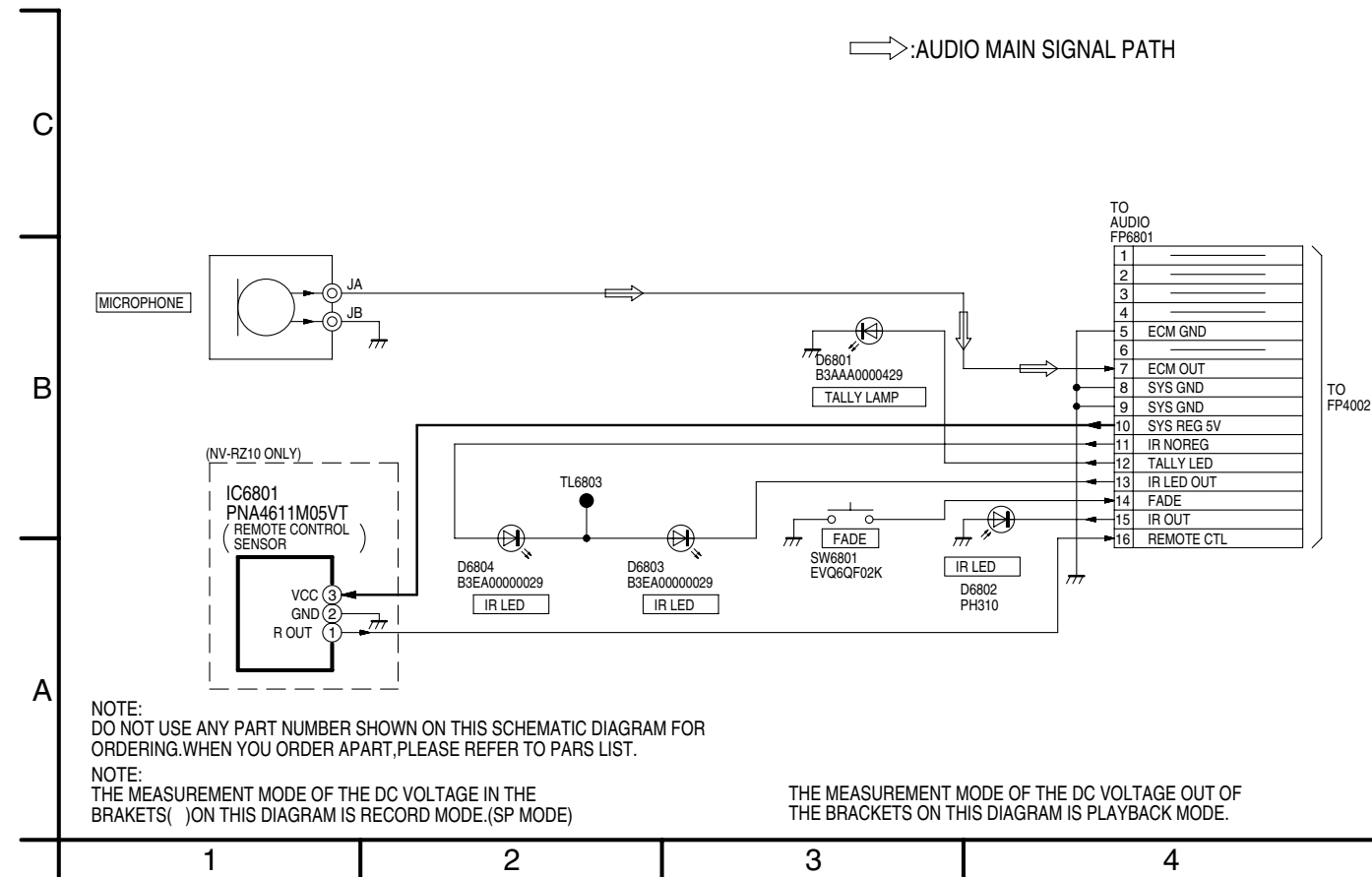
8.9. AVS OUT SCHEMATIC DIAGRAM



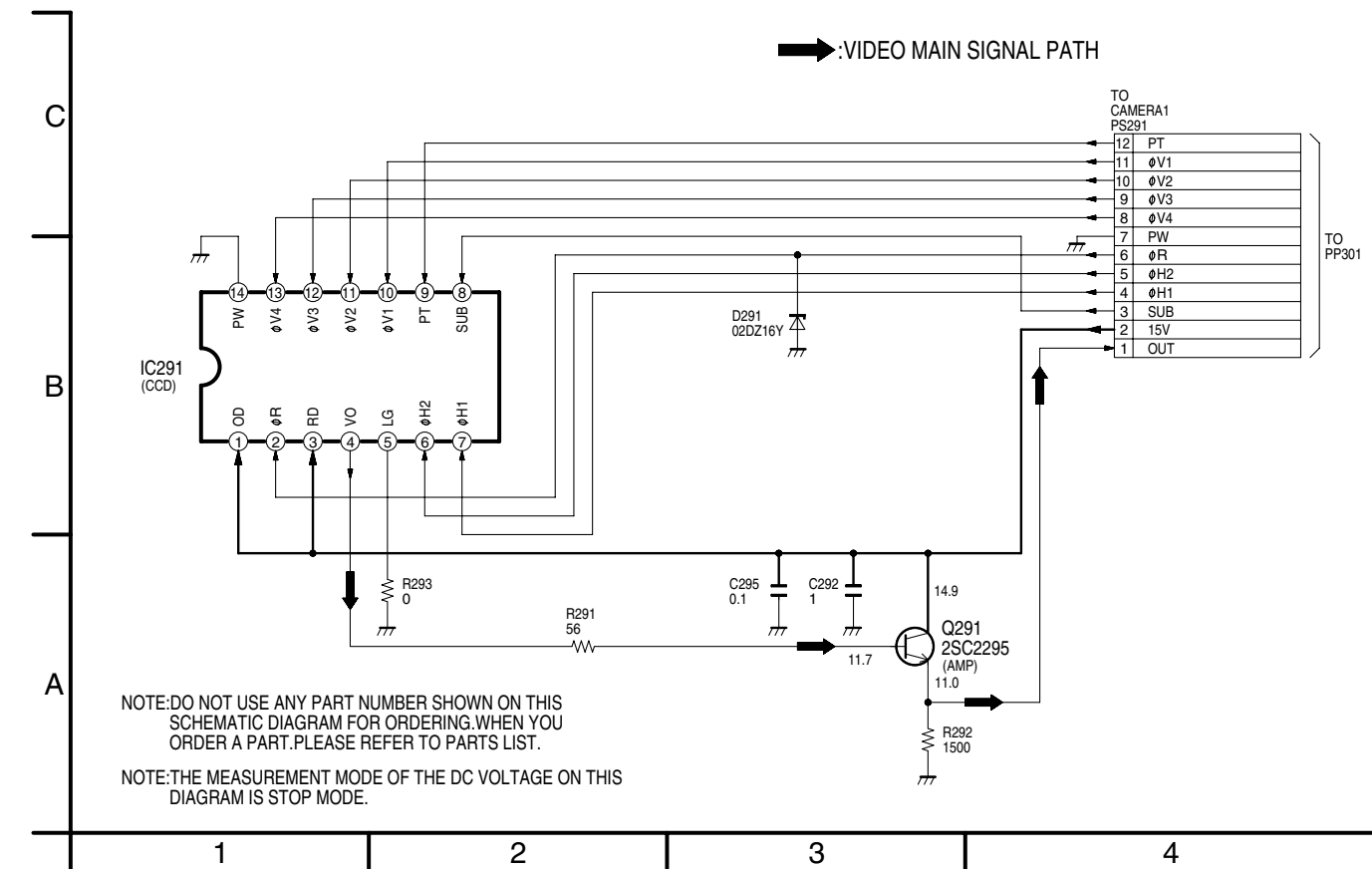
8.10. B/W-E.V.F. SCHEMATIC DIAGRAM



8.11. MIC UNIT SCHEMATIC DIAGRAM



8.12. CCD FLEX. CARD SCHEMATIC DIAGRAM



9 CIRCUIT BOARD ASSEMBLIES

9.1. MAIN C.B.A. ADDRESS INFORMATION

Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.		Main C.B.A.	
Integrated Circuit	IC302	E-2	F	QR6005	C-5	F	CKK5	E-6	C	CKZ11	C-7	C	L407	E-5	C	C437	D-4	F	C3001	A-4	F	C4037	C-6	C	R313	E-2	F	R785	B-1	F	R3306	B-4	C	R4077	C-2	F	R6085	D-2	C
	IC315	E-5	C	QR6009	C-6	F	CKK8	E-6	C	CKZ14	B-7	C	L408	C-4	F	C438	D-4	F	C3002	A-3	F	C4038	C-4	C	R315	E-2	F	R1001	B-2	C	R3307	B-4	F	R4080	B-1	F	R6086	D-2	C
	IC401	D-5	C	QR6013	D-2	C	CKK9	E-5	C	CKZ15	B-7	C	L1001	B-1	C	C440	D-3	F	C3301	B-4	C	C4040	C-4	C	R402	D-3	F	R1004	B-2	C	R3309	C-4	F	R4082	C-6	C	R6088	D-2	C
	IC403	D-3	F	QR6014	C-5	F	CKK11	E-5	C	CKZ16	B-7	C	L1002	A-1	C	C463	D-4	C	C3303	B-4	F	C4041	A-6	C	R403	E-4	F	R1005	B-2	C	R3310	B-4	C	R4083	C-2	F	R6089	D-2	C
	IC404	E-4	C	QR6050	C-6	F	CKK13	E-5	C	CL401	D-7	C	L1003	C-2	C	C483	D-4	F	C3304	B-3	F	C4042	C-6	C	R404	E-4	F	R1006	B-2	C	R3311	B-4	C	R4087	C-3	F	R6090	C-5	F
	IC405	D-3	F	QR6801	B-6	C	CKK14	E-5	C	CL402	E-6	C	L1004	C-6	F	C485	D-4	C	C3305	B-4	C	C4043	C-6	C	R405	D-3	F	R1007	A-6	F	R3312	B-4	F	R4093	C-6	C	R6091	D-6	F
	IC413	D-4	F	Connector			CKK16	E-5	C	CL403	C-5	C	L1006	B-5	F	C701	D-2	F	C3306	B-4	C	C4044	C-6	C	R406	E-4	F	R1008	B-3	C	R3313	C-4	F	R4095	C-1	F	R6092	C-2	C
	IC701	D-2	F	FP701	E-7	C	CKK18	E-5	C	CL404	E-4	C	L1007	B-2	C	C702	E-1	F	C3307	B-4	C	C4045	C-6	C	R408	D-4	F	R1009	B-3	C	R3314	B-4	C	R4097	C-6	C	R6093	C-2	C
	IC706	E-1	F	FP1001	E-3	C	CKK19	E-5	C	CL405	E-4	C	L1008	B-6	F	C703	D-1	F	C3310	B-4	C	C4046	D-6	C	R409	D-4	F	R1012	A-3	C	R3316	B-3	F	R5001	B-5	C	R6094	C-2	C
	IC711	D-1	F	FP2001	E-5	C	CKP1	D-7	C	CL406	E-4	C	L1010	B-5	F	C704	D-2	F	C3311	B-4	F	C4047	D-6	C	R412	D-5	C	R1013	A-3	C	R3317	B-3	F	R5002	B-3	F	R6095	E-2	C
	IC1001	A-5	F	FP2002	C-7	C	CKP2	D-7	C	CL407	D-5	C	L1011	B-5	F	C705	D-2	F	C3312	B-4	C	C4049	D-6	C	R413	D-4	F	R1014	B-3	C	R3318	B-3	F	R5003	B-3	F	R6096	E-5	F
	IC2001	E-3	F	FP4001	D-7	C	CKP3	D-7	C	CL408	E-4	C	L1014	C-6	F	C706	D-2	F	C3313	B-4	C	C4050	D-6	C	R414	D-3	F	R1015	A-3	C	R3319	C-5	F	R5004	B-5	C	R6097	E-5	F
	IC3301	B-4	F	FP4002	B-7	C	CKP4	D-7	C	CL409	E-4	C	L1015	B-6	F	C707	D-2	F	C3315	B-3	F	C4051	D-6	C	R415	E-5	C	R1016	B-5	F	R3320	C-4	C	R5005	B-3	F	R6098	E-5	F
	IC3302	C-4	C	FP5001	A-5	C	CKP5	D-7	C	CL410	E-4	C	L1061	B-1	C	C708	D-2	F	C3316	B-4	C	C4052	D-6	C	R416	C-4	F	R1017	A-3	C	R3322	C-4	F	R5007	A-3	F	R6100	E-6	F
	IC3503	D-1	C	FP6001	E-2	C	CKP6	D-7	C	CL411	E-4	C	L1062	B-2	C	C709	D-2	F	C3317	B-4	C	C4054	D-2	F	R417	D-5	C	R1018	B-3	C	R3323	C-4	F	R5008	A-3	F	R6101	E-7	F
	IC4001	C-2	F	FP6002	F-5	C	CKP9	E-6	C	CL412	E-4	C	L1801	C-6	F	C711	D-6	C	C3318	C-3	F	C4055	C-2	F	R418	D-4	F	R1019	B-3	C	R3325	C-4	F	R6001	E-6	F	R6103	E-5	F
	IC5001	B-3	F	FP6004	E-4	C	CKP10	E-7	C	CL413	E-4	C	L3001	A-4	F	C712	E-6	C	C3319	C-3	F	C4059	C-1	F	R419	D-3	F	R1020	B-5	F	R3326	B-4	C	R6002	E-5	F	R6104	C-5	F
	IC6002	D-3	C	PP301	E-6	C	CKP11	E-6	C	CL414	D-4	C	L3005	B-4	F	C713	D-2	F	C3320	C-3	F	C4065	C-6	C	R420	D-4	C	R1021	A-5	F	R3327	B-3	C	R6003	E-5	F	R6105	C-6	F
	IC6003	D-5	F	PP3001	A-4	C	CKP12	E-7	C	CL302	B-6	C	L3302	A-4	F	C719	E-1	F	C3321	C-3	F	C4071	B-6	C	R421	E-5	C	R1022	A-5	F	R3328	B-4	C	R6004	E-4	C	R6106	C-6	F
	IC6008	D-2	C	PS1003	B-7	F	CKP13	E-6	C	CL702	C-6	C	L3303	C-4	C	C721	E-1	F	C3322	B-5	C	C4074	C-6	C	R422	D-3	F	R1023	A-5	F	R3331	B-4	C	R6005	E-3	C	R6107	C-6	F
	IC6009	C-5	F	PS3510	D-7	F	CKP14	E-7	C	CL1001	C-2	C	L3304	B-3	F	C1001	B-1	C	C3323	C-4	F	C5001	A-3	F	R423	D-3	F	R1024	A-5	F	R3332	B-4	C	R6006	E-3	C	R6108	C-5	F
	IC6011	C-6	F	Test Point			CKP15	E-6	C	CL1012	C-2	C	L3305	C-4	F	C1003	A-6	F	C3325	C-4	C	C5002	A-3	F	R424	D-2	F	R1025	B-5	F	R3333	C-4	F	R6007	E-4	C	R6109	D-3	C
	Transistor			CKA1	E-3	C	CKP16	E-7	C	CL1601	B-2	C	L3306	C-4	F	C1004	B-2	C	C3326	C-4	C	C5003	A-3	F	R425	D-3	F	R1035	A-6	F	R3334	B-3	F	R6008	C-6	F	R6110	D-3	C
	Q301	E-6	C	CKA2	E-3	C	CKP17	E-6	C	CL1602	B-2	C	L3307	D-4	C	C1005	C-3	C	C3327	C-4	F	C5004	A-3	F	R427	C-4	F	R1038	B-2	C	R3335	B-4	C	R6009	D-2	C	R6111	D-3	C
	Q303	E-2	F	CKA3	E-3	C	CKP18	E-7	C	CL1603	B-2	C	L3308	B-5	F	C1006	B-3	C	C3328	C-4	F	C5005	A-3	F	R428	C-4	F	R1039	B-2	C	R3336	B-4	C	R6010	D-2	C	R6112	D-3	C
	Q304	D-2	F	CKA4	E-3	C	CKP19	C-6	C	CL1604	B-2	C	L3320	C-3	F	C1008	B-2	C	C3329	C-4	C	C5006	A-3	F	R430	C-4	F	R1040	B-3	C	R3338	B-4	C	R6011	E-6	F	R6113	D-5	F
	Q404	D-4	F	CKA5	E-3	C	CKP20	E-7	C	CL1605	B-2	C	L4001	B-2	F	C1009	B-2	C	C3330	C-4	F	C5007	A-3	F	R431	D-3	F	R1041	B-5	F	R3344	C-3	C	R6012	E-7	F	R6114	D-4	F
	Q405	D-3	F	CKA6	E-3	C	CKP21	E-7	C	CL3003	A-4	C	L4003	C-5	C	C1010	C-2	C	C3331	C-4	F	C5008	A-3	F	R433	D-3	F	R1042	B-5	F	R3345	C-3	C	R6014	E-2	C	R6116	D-5	F
	Q704	D-1	F	CKA7	E-3	C	CKQ1	E-4	C	CL3302	C-3	C	L4004	D-6	C	C1012	A-6	F	C3332	C-4	F	C5009	B-3	F	R434	D-4	C	R1043	C-5	F	R3346	C-3	F	R6017	D-5	F	R6117	D-4	F
	Q780	B-1	F	CKA8	E-3	C	CKQ2	E-4	C	CL3303	C-5	C	L5001	B-5	C	C1014	B-3	C	C3333	C-4	F	C5010	B-3	F	R436	E-4	F	R1044	C-5	F	R3350	C-3	F	R6018	D-2	C	R6118	D-5	F
	Q781	B-1	F	CKA9	E-2	C	CKQ3	E-5	C	CL4002	C-7	C	L5002	B-5	C	C1017	A-6	F	C3335	C-4	F	C5011	B-3	F	R437	E-4	F	R1052	A-5	F	R3351	C-3	F	R6019	E-5	F	R6119	E-6	F
	Q782	B-1	F	CKA10	E-2	C	CKQ4	E-4	C	CL4004	D-6	C	L5003	B-5	C	C1019	B-3	C	C3336	B-4	C	C5012	B-5	C	R438	D-3	F	R1053	C-5	F	R3501	D-1	C	R6020	C-2	C	R6120	E-4	F
	Q1001	A-7	F	CKB3	C-1	C	CKQ6	E-4	C	CL6001	E-2	C	L5004	B-5	C	C1020	A-6	F	C3337	B-4	C	C5014	B-5	C	R440	D-4	C	R1057	B-3	C	R3504	D-1	C	R6021	E-3	C	R6121	E-6	F
	Q1002	B-3	C	CKB6	C-1	C	CKQ7	E-4	C	CL6002	E-2	C	LB301	E-6	C	C1022	B-3	C	C3338	B-3	C	C5015	B-5	C	R444	E-4	C	R1063	B-3	C	R3513	D-1	C	R6022	E-3	C	R6122	E-5	F
	Q1003	B-6	F	CKC1	C-7	C	CKQ9	E-4	C	CL6003	E-2	C	LB402	D-3	F	C1024	B-3	C	C3339	B-3	C	C5016	B-5	C	R445	E-4	F	R1064	B-6	F	R3551	C-1	C	R6023	E-3	C	R6123	C-2	C
	Q1004	A-6	F	CKC2	C-6	C	CKQ10	E-4	C	CL6004	E-3	C	LB404	D-3	F	C1025	A-3	C	C3340	B-4	C	C5018	B-5	C	R446	D-4	F	R1065	B-7	F	R4001	C-1	F	R6024	D-2	C	R6131	D-7	F
	Q1006	B-5	F	CKC3	C-6	C	CKQ12	E-4	C	CL6005	E-2	C	LB5001	A-3	F	C1026	A-3	C	C3341	C-4	C	C5019	B-3	F	R450	E-4	F	R1066	B-5	F	R4002	B-2	F	R6025	C-2	C	R6132	C-6	F
	Q1007	B-5																																					

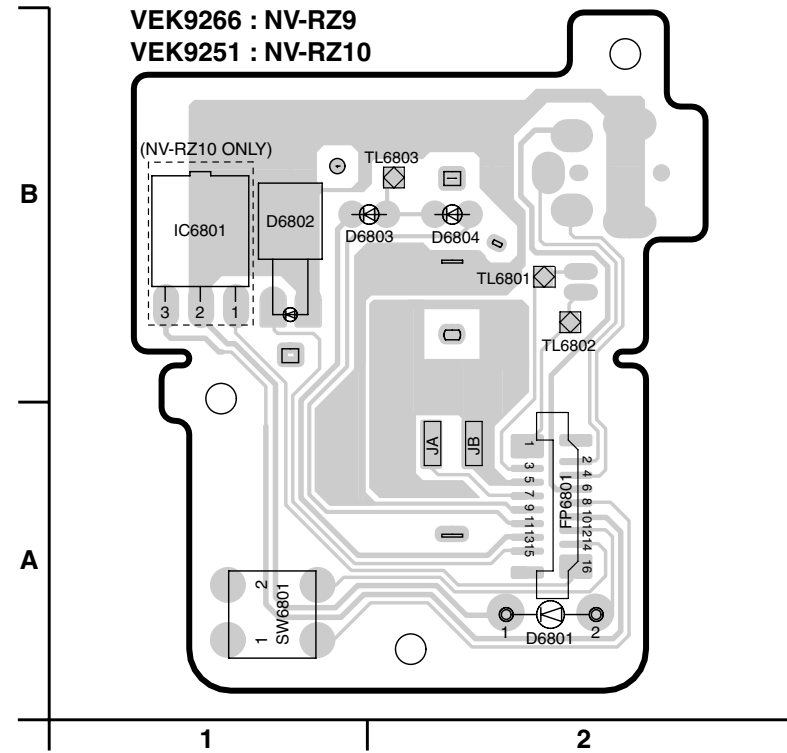
9.2. MAIN C.B.A. (COMPONENT SIDE)



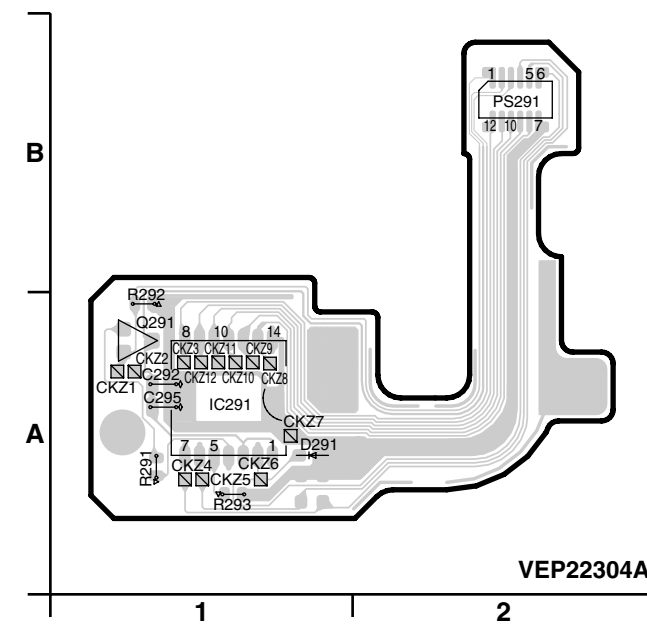
IMPORTANT SAFETY NOTICE:
 COMPONENTS IDENTIFIED WITH THE MARK Δ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
 WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

(COMPONENT SIDE)

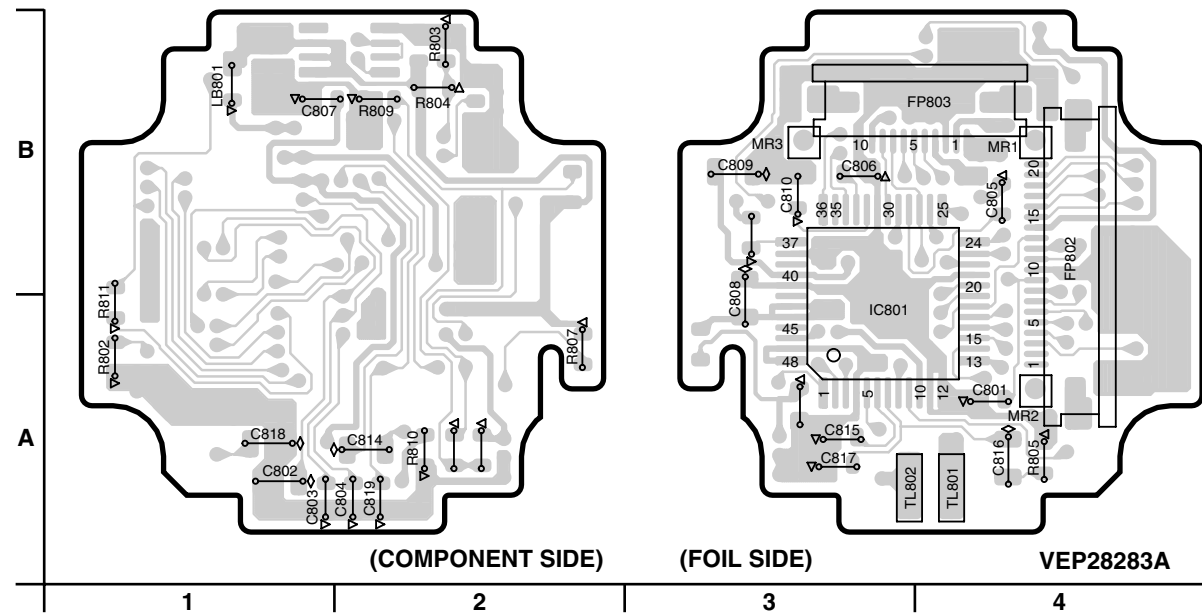
9.4. MIC UNIT



9.6. CCD FLEX. CARD C.B.A.

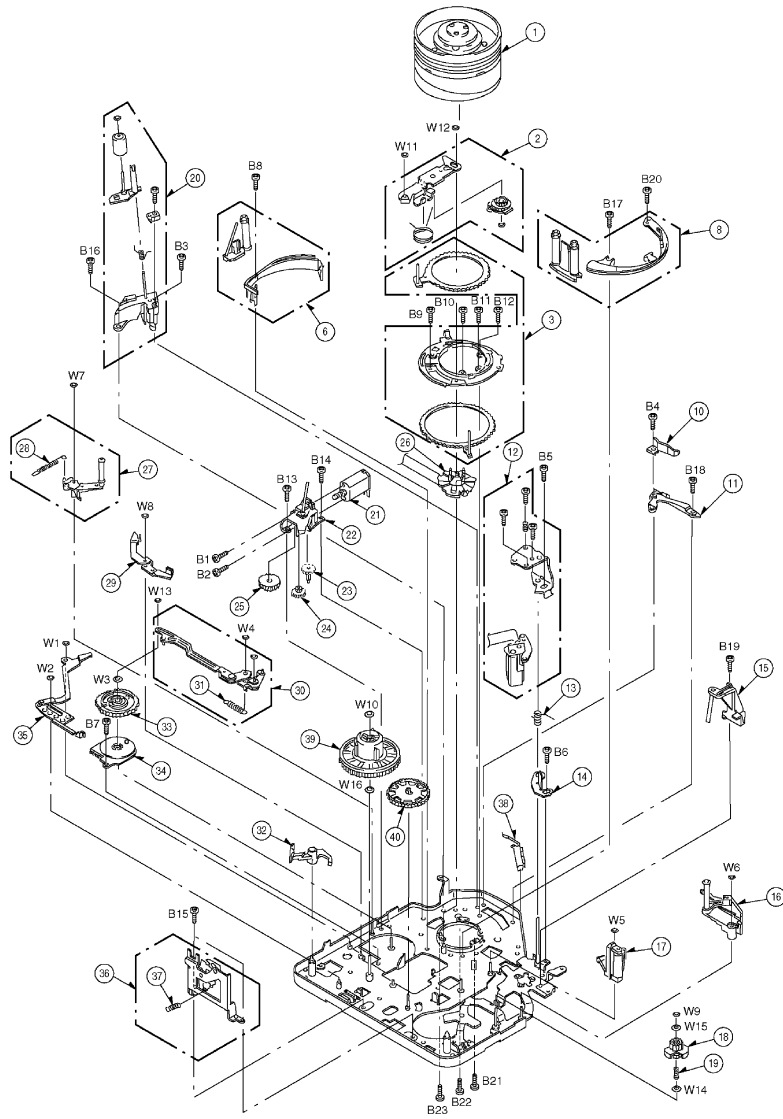


9.5. B/W-E.V.F. C.B.A.



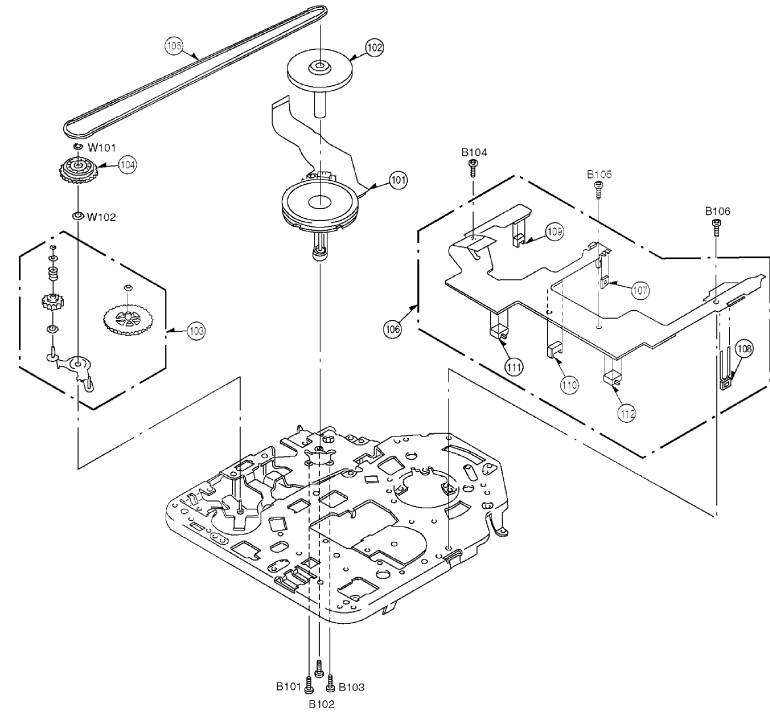
Explosionszeichnungen / Exploded Views

Laufwerk (1) / VTR Mechanism Section (1)



1

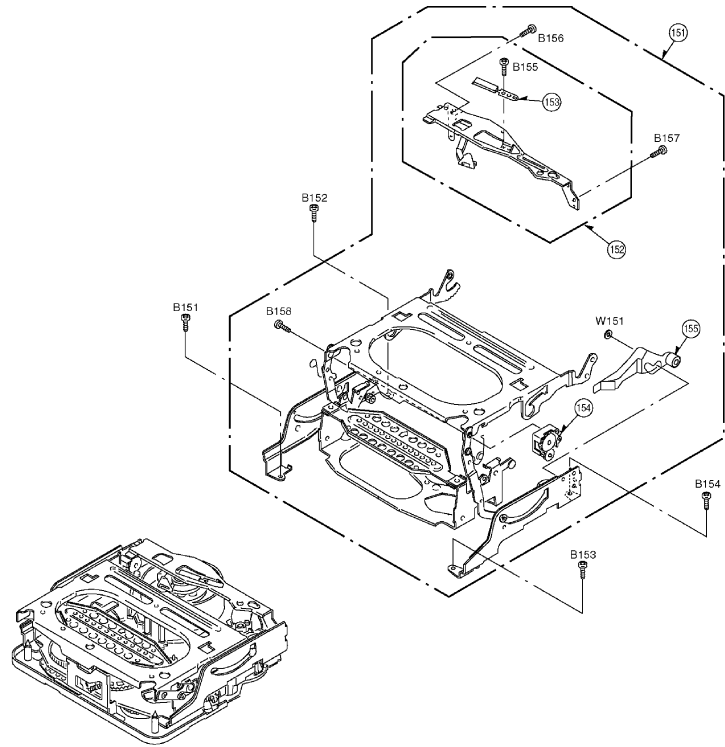
Laufwerk (2) / VTR Mechanism Section (2)



2

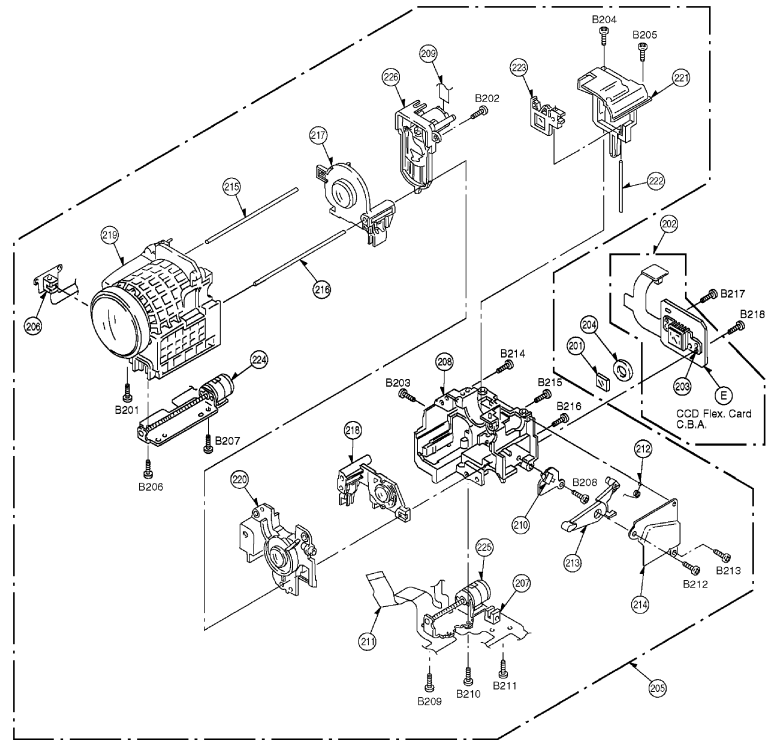
Laufwerk (3) / VTR Mechanism Section (3)

3



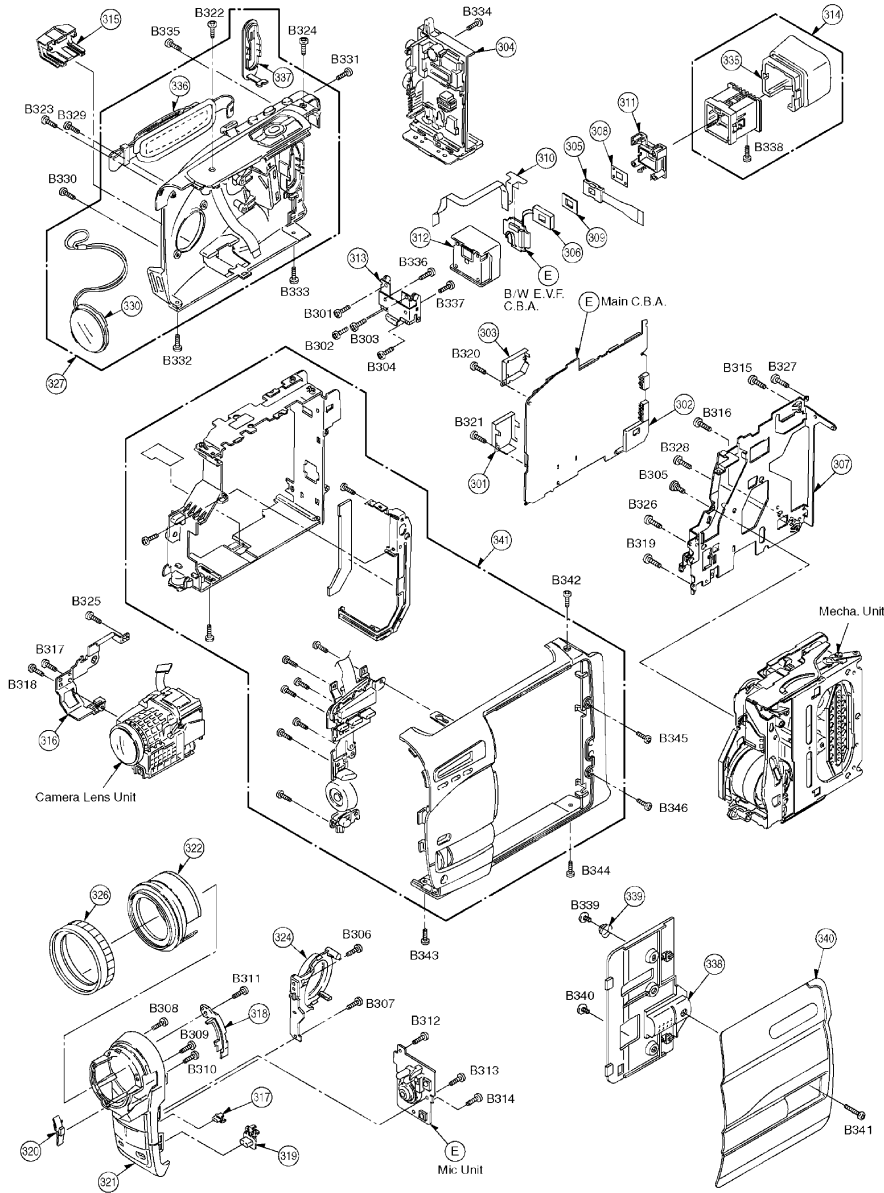
Optik / Camera Lens Section

4



Gehäuse (1) / Frame & Casing Section

5



Ersatzteilliste
Spare Parts List

4 / 2001

GRUNDIG

LIVE CAM

LIVANCE LC 1100 VC

MATERIAL-NR. / PART NO.: 75869810000
BESTELL-NR. / ORDER NO.: GMI7900

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG DESCRIPTION	DESCRIPTION
				(D)	(GB)
		75869810000		LIVANCE LC 1100 VC KEIN E-TEIL	LIVANCE LC 1100 VC NO SPARE PART
0001.000	1	759813761400		KOPFRAD KPL	HEAD WHEEL ASSY
0002.000	1	759813769000		DREHHEBEL	ROTARY LEVER
0003.000	1	759813769100		LADERING	LOADING RING
0006.000	1	759813769200		BANDFUEHRUNG LINKS	LEVER, TAPE TENSION
0008.000	1	759813769300		FUEHRUNGSSEGMENT RECHTS	GUIDE RAIL
0010.000	1	759813769400		STOPPER PIN RECHTS	STOPPER PIN RIGHT
0011.000	1	759813769500		T-FUEHRUNG STOPPER	T-GUIDE STOPPER
0012.000	1	759813769600		AUDIOKOPF KPL	AC HEAD UNIT
0013.000	1	759813769700		FEDER AUDIOKOPF	SPRING AC HEAD
0014.000	1	759813769800		JUSTAGEPLATTE AC	ADJ. PLATE AC
0015.000	1	759813769900		EINHEIT T4 U	UNIT T4 U
0016.000	1	759813780000		SCHWENKARM	LEVER
0017.000	1	759813780100		HEBEL ANDRUCKROLLE KPL	ARM PRESSURE ROLLER
0018.000	1	759813912300		ZAHNRAD T	DRIVE GEAR T
0019.000	1	759813780300		DREHFEDER REW	REW TORQUE SPRING
0020.000	1	759813780400		STOPPER FUEHRUNG LINKS KPL.	STOPPER GUIDE LEFT CPL.
0021.000	1	759813762100		LADEMOTOR KPL	LOADING MOTOR CPL
0022.000	1	759813780500		HALTER MOTOR	MOTOR HOLDER
0023.000	1	759813780600		ZAHNRAD A	BRAKE GEAR A
0024.000	1	759813780700		ZAHNRAD B	BRAKE GEAR B
0025.000	1	759813780800		ZAHNRAD C	BRAKE GEAR C
0026.000	1	759813400000		VERBINDER	LINK
0027.000	1	759813781000		BANDZUGHEBEL M. ZUGFEDER	BANDZUGHEBEL
0028.000	1	759813780900		ZUGFEDER	ZUGFEDER
0029.000	1	759813781100		BANDZUGHEBEL	BANDZUGHEBEL
0030.000	1	759813781200		STEUERSCHIEBER	LEVER UNIT
0031.000	1	759875873500		ZUGFEDER	ZUGFEDER
0032.000	1	759813782000		SCHALTER AUFNAHMESPERRE	SWITCH RECORD SAFETY
0033.000	1	759813781400		ZAHNRAD	CAM GEAR
0034.000	1	759813762600		FUNKTIONSWAHLSCHALTER	MODE SWITCH
0035.000	1	759813781500		AUSWURFHEBEL	EJECT LEVER
0036.000	1	759813781600		VERRIEGELUNGSEINHEIT	LOCK BASE UNIT
0037.000	1	759875874300		FEDER	SPRING
0038.000	1	759813781900		FUEHRUNGSFEDER	GUIDE SPRING
0039.000	1	759813781700		WICKELTELLER S	REEL BASE S
0040.000	1	759813781800		ZAHNRAD	ZAHNRAD
B 00001	1	759813789500		SCHRAUBE XQN14+A14	SCREW XQN14+A14
B 00002	1	759813789500		SCHRAUBE XQN14+A14	SCREW XQN14+A14
B 00003	1	759813789400		SCHRAUBE VHD1319	SCREW VHD1319
B 00004	1	759813789000		SCHRAUBE VHD1320	SCREW VHD1320
B 00005	1	759813789300		SCHRAUBE VHD1337	SCREW VHD1337
B 00006	1	759813789200		SCHRAUBE VHD1338	SCREW VHD1338
B 00007	1	759813789500		SCHRAUBE XQN14+A14	SCREW XQN14+A14
B 00008	1	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00009	1	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00010	1	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00011	1	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00012	1	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00013	1	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00014	1	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00015	1	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00016	1	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00017	1	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00018	1	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
B 00019	1	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00020	1	759813611700		SCHRAUBE XQN14+B4 DLC1	SCREW XQN14+B4 DLC1
B 00021	1	759813789100		SCHRAUBE XQN14+C35R	SCREW XQN14+C35R
B 00022	1	759813789100		SCHRAUBE XQN14+C35R	SCREW XQN14+C35R
B 00023	1	759813789100		SCHRAUBE XQN14+C35R	SCREW XQN14+C35R
W 00001	1	759813789800		SCHEIBE VMX2026	WASHER VMX2026
W 00002	1	759813789800		SCHEIBE VMX2026	WASHER VMX2026
W 00003	1	759813789800		SCHEIBE VMX2026	WASHER VMX2026
W 00004	1	759813789800		SCHEIBE VMX2026	WASHER VMX2026
W 00005	1	759813789800		SCHEIBE VMX2026	WASHER VMX2026
W 00006	1	759813789800		SCHEIBE VMX2026	WASHER VMX2026
W 00007	1	759813617000		SCHEIBE VMX2027	WASHER VMX2027
W 00008	1	759813617000		SCHEIBE VMX2027	WASHER VMX2027
W 00009	1	759813617000		SCHEIBE VMX2027	WASHER VMX2027
W 00010	1	759813617000		SCHEIBE VMX2027	WASHER VMX2027
W 00011	1	759813789700		SCHEIBE VMX2974	WASHER VMX2974
W 00012	1	759813789700		SCHEIBE VMX2974	WASHER VMX2974
W 00013	1	759813789700		SCHEIBE VMX2974	WASHER VMX2974
W 00014	1	759813820200		SCHEIBE VMX2979	WASHER VMX2979
W 00015	1	759813789900		SCHEIBE VMX3000	WASHER VMX3000
W 00016	1	759813820100		SCHEIBE XWGV2D4G	WASHER XWGV2D4G
0102.000	2	759813782100		ROTOR KPL	ROTOR UNIT
0103.000	2	759813782200		HEBEL ZWISCHENRAD	PIVOTING LEVER
0104.000	2	759813782300		KUPPLUNGSEINHEIT	CLUTCH UNIT
0105.000	2	759813782400		RIEMEN CAPSTAN	CAPSTAN BELT
0106.000	2	759813782500		FLEXIBLE PLATTE	FLEXIBLE PLATE
0107.000	2	759813782900		LED	LED
0108.000	2	759813782700		FOTOTRANSISTOR	PHOTOTRANSISTOR
0109.000	2	759813782800		SENSOR	SENSOR
0110.000	2	759813782800		SENSOR	SENSOR
0111.000	2	759813782600		SCHALTER	SWITCH
0112.000	2	759813782600		SCHALTER	SWITCH
B 00101	2	759813820300		SCHRAUBE XQN14+A3	SCREW XQN14+A3
B 00102	2	759813820300		SCHRAUBE XQN14+A3	SCREW XQN14+A3
B 00103	2	759813820300		SCHRAUBE XQN14+A3	SCREW XQN14+A3
B 00104	2	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00105	2	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
B 00106	2	759813788800		SCHRAUBE XQN14+B25FY	SCREW XQN14+B25FY
W 00101	2	759813912400		SCHEIBE	WASHER
W 00102	2	759813820400		SCHEIBE VMX2939	WASHER VMX2939
0151.000	3	759813783000		KASSETTENSCHACHT KPL.	CASSETTE COMPARTMENT CPL.
0152.000	3	759813783200		BANDFUEHRUNG	TAPE GUIDE
0153.000	3	759813783300		MASSEKONTAKT	EARTH BRUSH
0154.000	3	759813783100		DAEMPfung	DAMPING
0155.000	3	759875876600		HEBEL	LEVER
B 00151	3	759813820500		SCHRAUBE VHD0838	SCREW VHD0838
B 00152	3	759813820500		SCHRAUBE VHD0838	SCREW VHD0838
B 00153	3	759813820500		SCHRAUBE VHD0838	SCREW VHD0838
B 00154	3	759813820500		SCHRAUBE VHD0838	SCREW VHD0838
B 00155	3	759813820800		SCHRAUBE VHD0711	SCREW VHD0711
B 00156	3	759813820700		SCHRAUBE XQN14+BF2	SCREW XQN14+BF2
B 00157	3	759813820700		SCHRAUBE XQN14+BF2	SCREW XQN14+BF2
B 00158	3	759813820600		SCHRAUBE XQN16+AJ8	SCREW XQN16+AJ8
W 00151	3	759813820800		SCHRAUBE VHD0711	SCREW VHD0711
0201.000	4	759813785100		TRAEGER SENSOR	SENSOR BARRIER
0202.000	4	759813761600		CCD EINHEIT	CCD UNIT
0203.000	4	759813785400		FIXIERPLATTE CCD	CCD FIXING PLATE
0204.000	4	759813786600		DAEMPfung CCD	CCD CUSHION
0205.000	4	759813762700		LINSENEINHEIT	LENS UNIT
0206.000	4	759813912500		FOTOWIDERSTAND	PHOTOINTERRUPTER
0207.000	4	759813912500		FOTOWIDERSTAND	PHOTOINTERRUPTER
0208.000	4	759813785500		HAUPTFLANSCH	MASTER FLANGE
0210.000	4	759813785700		FEDER F	F SPRING
0211.000	4	759813785600		LEITUNG FLACHBAND	FLAT CARD CABLE
0212.000	4	759813785700		FEDER F	F SPRING
0213.000	4	759813785800		HEBEL	LEVER

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
0214.000	4	759813823100		SCHUTZEINLAGE	PROTECT SHEET
0215.000	4	759813785900		POLFUEHRUNG	GUIDE POLE
0216.000	4	759813785900		POLFUEHRUNG	GUIDE POLE
0217.000	4	759813786100		2. BEWEGL. LINSENRAHMEN	2ND. MOVING FRAME
0218.000	4	759813786200		4. BEWEGL. LINSENRAHMEN	4. TH. MOVING FRAME
0219.000	4	759813786300		RAHMEN OPTIK-VORDERTeil	MAIN FRAME
0220.000	4	759813786400		3. BEWEGL. LINSENRAHMEN	3. RD. MOVING FRAME
0221.000	4	759813823200		FIXIERRAHMEN	FIX FRAME
0222.000	4	759813786500		POLFUEHRUNG F	F GUIDE POLE
0223.000	4	759813823300		F RAHMEN	F FRAME
0224.000	4	759813762200		ZOOMMOTOR	ZOOMMOTOR
0225.000	4	759813762300		FOKUSMOTOR	FOCUSMOTOR
0226.000	4	759813786000		BLLENDE KPL	IRIS UNIT
B 00201	4	759813823500		SCHRAUBE VHD0852	SCREW VHD0852
B 00202	4	759813823500		SCHRAUBE VHD0852	SCREW VHD0852
B 00203	4	759813823500		SCHRAUBE VHD0852	SCREW VHD0852
B 00204	4	759813606100		SCHRAUBE XQN16+CJ5	SCREW XQN16+CJ5
B 00205	4	759813606100		SCHRAUBE XQN16+CJ5	SCREW XQN16+CJ5
B 00206	4	759813606100		SCHRAUBE XQN16+CJ5	SCREW XQN16+CJ5
B 00207	4	759813606100		SCHRAUBE XQN16+CJ5	SCREW XQN16+CJ5
B 00208	4	759813606100		SCHRAUBE XQN16+CJ5	SCREW XQN16+CJ5
B 00209	4	759813606100		SCHRAUBE XQN16+CJ5	SCREW XQN16+CJ5
B 00210	4	759813606100		SCHRAUBE XQN16+CJ5	SCREW XQN16+CJ5
B 00211	4	759813606100		SCHRAUBE XQN16+CJ5	SCREW XQN16+CJ5
B 00212	4	759813606100		SCHRAUBE XQN16+CJ5	SCREW XQN16+CJ5
B 00213	4	759813606100		SCHRAUBE XQN16+CJ5	SCREW XQN16+CJ5
B 00214	4	759813823600		SCHRAUBE XQN16+CJ8	SCREW XQN16+CJ8
B 00215	4	759813823600		SCHRAUBE XQN16+CJ8	SCREW XQN16+CJ8
B 00216	4	759813823600		SCHRAUBE XQN16+CJ8	SCREW XQN16+CJ8
B 00217	4	759813823600		SCHRAUBE XQN16+CJ8	SCREW XQN16+CJ8
B 00218	4	759813823600		SCHRAUBE XQN16+CJ8	SCREW XQN16+CJ8
0301.000	5	759813820900		SCHUTZPLATTE H.A.	SHIELD CASE H.A.
0302.000	5	759813821000		SCHUTZPLATTE OBEN, NETZTEIL	SHIELD CASE UPPER, POWER
0303.000	5	759813821100		SCHUTZPLATTE UNTEN, NETZTEIL	SHIELD CASE LOWER, POWER
0304.000	5	759813912600		GEH.-RUECKTEIL	REAR CASE
0305.000	5	759813784100		GEHAEUSE SUCHER	EVF CASE
0306.000	5	759813912700		HINTERGRUNDBELEUCHTUNG	BACK LIGHT
0307.000	5	759813912800		MECH. GRUNDPLATTE	MECH. EARTH PLATE
0309.000	5	759813783800		SUCHEREINLAGE	EVF SHEET
0310.000	5	759813783900		FLEXIBLE LEITUNG SUCHER	FLEXIBLE CABLE EVF
0311.000	5	759813784000		MONTAGESTUECK SUCHER	EVF MOUNT PIECE
0312.000	5	759813784100		GEHAEUSE SUCHER	EVF CASE
0313.000	5	759813912900		EVF ANGEL	EVF HINGE
0314.000	5	759813912000		AUGENMUSCHEL	EYE CUP
0315.000	5	759813821600		ABDECKUNG SUCHER	EVR COVER
0316.000	5	759813784400		LINSENRAHMEN	LENS FRAME
0317.000	5	759813784500		GEGENSTUECK	TALLY PANEL
0318.000	5	759813784600		FUEHRUNG FUNKTIONSWAHLSCHALTER	GUIDE SELECT KNOB
0319.000	5	759813784700		KNOPF ABGLEICH	KNOB FADE
0320.000	5	759813784800		FUNKTIONSWAHLSCHALTER	SELECT KNOB
0321.000	5	759813911900		GEH.-VORDERTeil KPL.	FRONT CASE UNIT
0322.000	5	759813912100		LINSENRAHMEN	LENS FRAME
0324.000	5	759813785000		BEFESTIGUNG LAUTSPRECHER	PIECE SPEAKER
0326.000	5	759813912200		SEITENLICHTBLENDE	SIDE LIGHT FRAME
0327.000	5	759813910100		GEH.-SEITENTeil LINKS KPL	SIDE CASE LEFT UNIT
0330.000	5	759813911600		ABDECKUNG LINSE KPL.	LENS COVER UNIT
0335.000	5	759813784300		AUGENMUSCHEL	EYE CUP
0336.000	5	759813790800		HALTERIEMEN	GRIP BELT
0337.000	5	759813790700		ABDECKUNG AV-BUCHSE	AV JACK COVER
0338.000	5	759813913100		KNOPF VERRIEGELUNG KASS.	KNOB LOCK CASSETTE
0339.000	5	759813702200		FEDER CASSETTENFACHKLAPPE	CASSETTE COIL SPRING
0340.000	5	759813910400		ABDECKUNG KASSETTENFACHKPL	CASSETTE COVER
0341.000	5	759813910800		GEH.-SEITENTeil RECHTS KPL.	SIDE CASE RIGHT UNIT
B 00301	5	759813719400		SCHRAUBE XQN2+BJ5FZ	SCREW XQN2+BJ5FZ
B 00302	5	759813719400		SCHRAUBE XQN2+BJ5FZ	SCREW XQN2+BJ5FZ
B 00303	5	759813719400		SCHRAUBE XQN2+BJ5FZ	SCREW XQN2+BJ5FZ
B 00304	5	759813719400		SCHRAUBE XQN2+BJ5FZ	SCREW XQN2+BJ5FZ
B 00305	5	759813821140		SCHRAUBE VHD1140	SCREW VHD1140
B 00306	5	759813821800		SCHRAUBE XQN2+BJ5	SCREW XQN2+BJ5

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION	POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
B 00307	5	759813821800		SCHRAUBE XQN2+BJ5	SCREW XQN2+BJ5		759813910300	LP-HAUPTMODUL KPL. MAINBOARD C.B.A	QR 00404	759813766700	TRANS. RN1704R
B 00308	5	759813821800		SCHRAUBE XQN2+BJ5	SCREW XQN2+BJ5				QR 00405	759813766800	TRANS. RN1104F
B 00309	5	759813821800		SCHRAUBE XQN2+BJ5	SCREW XQN2+BJ5				QR 00701	759813766900	TRANS. RN1102F
B 00310	5	759813821800		SCHRAUBE XQN2+BJ5	SCREW XQN2+BJ5				QR 00782	759813767100	TRANS. RN1103F
B 00311	5	759813821800		SCHRAUBE XQN2+BJ5	SCREW XQN2+BJ5	D 00301	759875288200	DIODE MA 111	QR 01001	759813767200	TRANS. RN2102F
B 00312	5	759813821800		SCHRAUBE XQN2+BJ5	SCREW XQN2+BJ5	D 01002	759875288200	DIODE MA 111	QR 01003	759813766500	TRANS. RN2103F
B 00313	5	759813821800		SCHRAUBE XQN2+BJ5	SCREW XQN2+BJ5	D 01003	759875288200	DIODE MA 111	QR 01005	759813767300	TRANS. RN1112F
B 00314	5	759813821800		SCHRAUBE XQN2+BJ5	SCREW XQN2+BJ5	D 01009	759813763600	DIODE Q2D222Y	QR 01061	759813767400	TRANS. RN2111F
B 00315	5	759813822000		SCHRAUBE XQN14+C2	SCREW XQN14+C2	D 01020	759875288200	DIODE MA 111	QR 01102	759813767200	TRANS. RN2102F
B 00316	5	759813822000		SCHRAUBE XQN14+C2	SCREW XQN14+C2	D 01701	759875288200	DIODE MA 111	QR 01701	759813767400	TRANS. RN2111F
B 00317	5	759813821800		SCHRAUBE XQN2+BJ5	SCREW XQN2+BJ5	D 03303	759875288200	DIODE MA 111	QR 01703	759813766800	TRANS. RN1104F
B 00318	5	759813821800		SCHRAUBE XQN2+BJ5	SCREW XQN2+BJ5	D 06004	759875288200	DIODE MA 111	QR 01704	759813766800	TRANS. RN1104F
B 00319	5	759813822200		SCHRAUBE XQN2+CF4	SCREW XQN2+BJ4	D 06016	759875506100	DIODE MA 133	QR 03002	759813767100	TRANS. RN1103F
B 00320	5	759813822300		SCHRAUBE XQN2+CF5	SCREW XQN2+BJ5	D 06201	759875288200	DIODE MA 111	QR 03001	759813766500	TRANS. RN2103F
B 00321	5	759813822300		SCHRAUBE XQN2+CF5	SCREW XQN2+BJ5	FP 02001	759813787100	VERBINDER 19POL (FEMALE)	QR 03303	759813767400	TRANS. RN2111F
B 00322	5	759813822400		SCHRAUBE XQN2+CF8FN	SCREW XQN2+CF8FN	FP 04001	759813787300	VERBINDER 9POL (FEMALE)	QR 03308	759813766500	TRANS. RN2103F
B 00324	5	759813822600		SCHRAUBE XQN2+CJ4FZ	SCREW XQN2+CJ4FZ	FP 04002	759813787400	VERBINDER 16POL (FEMALE)	QR 03309	759813766800	TRANS. RN1104F
B 00325	5	759813822700		SCHRAUBE XQN2+CJ5	SCREW XQN2+CJ5	FP 06001	759813787600	VERBINDER 21POL (FEMALE)	QR 03310	759813766800	TRANS. RN1104F
B 00326	5	759813822700		SCHRAUBE XQN2+CJ5	SCREW XQN2+CJ5	FP 06002	759813787700	VERBINDER 13POL (FEMALE)	QR 03311	759813766500	TRANS. RN2103F
B 00327	5	759813822700		SCHRAUBE XQN2+CJ5	SCREW XQN2+CJ5	FP 06004	759813787800	VERBINDER 16POL (FEMALE)	QR 04001	759813767500	TRANS. RN1111F
B 00329	5	759813719500		SCHRAUBE XQN2+CJ6FZ	SCREW XQN2+CJ6FZ				QR 04002	759813767500	TRANS. RN1111F
B 00330	5	759813719500		SCHRAUBE XQN2+CJ6FZ	SCREW XQN2+CJ6FZ	IC 00302	759813760300	IC C8269	QR 04003	759813767500	TRANS. RN1111F
B 00331	5	759813719500		SCHRAUBE XQN2+CJ6FZ	SCREW XQN2+CJ6FZ	IC 00315	759813470400	IC MN 31121SA	QR 04004	759813767100	TRANS. RN1103F
B 00332	5	759813719500		SCHRAUBE XQN2+CJ6FZ	SCREW XQN2+CJ6FZ	IC 00401	759813760400	IC F712524CPBW	QR 04005	759813766500	TRANS. RN2103F
B 00333	5	759813719500		SCHRAUBE XQN2+CJ6FZ	SCREW XQN2+CJ6FZ	IC 00403	759813761000	IC S817A33ANB	QR 04008	759813766900	TRANS. RN1102F
B 00334	5	759813719500		SCHRAUBE XQN2+CJ6FZ	SCREW XQN2+CJ6FZ	IC 00405	759813763700	IC TC75H04FU	QR 06003	759813767700	TRANS. RN1711R
B 00335	5	759813822800		SCHRAUBE XQN2+CJ8FZ	SCREW XQN2+CJ8FZ	IC 00701	759813761200	IC UPD16878GS	QR 06004	759813767700	TRANS. RN1711R
B 00336	5	759813913200		SCHRAUBE	SCREW	IC 00706	759813321100	IC NJM 2115 V	QR 06005	759813766500	TRANS. RN2103F
B 00337	5	759813913200		SCHRAUBE	SCREW	IC 01001	759813036600	IC BA 9706 K	QR 06007	759813766900	TRANS. RN1102F
B 00338	5	759813725400		SCHRAUBE XQN16+BJ5FZ	SCREW XQN16+BJ5FZ	IC 03301	759813780100	IC AN3501NFBP	QR 06009	759813767900	TRANS. RN1113F
B 00339	5	759813604900		SCHRAUBE VHD0794 DLC1	SCREW VHD0794 DLC1	IC 03302	759813522400	IC TL 8850AF	QR 06013	759813767400	TRANS. RN2111F
B 00340	5	759813604900		SCHRAUBE VHD0794 DLC1	SCREW VHD0794 DLC1	IC 05001	759813320000	IC AN 3355 FHP	QR 06014	759813767500	TRANS. RN1111F
B 00341	5	759813823000		SCHRAUBE XQN2+CF11FZ	SCREW XQN2+CF11FZ	IC 06002	759813705700	IC S3514AEFSTB	QR 06050	759813766700	TRANS. RN1704R
B 00342	5	759813822600		SCHRAUBE XQN2+CJ4FZ	SCREW XQN2+CJ4FZ	IC 06009	759813706300	IC S80825ANNP	QR 06801	759813767400	TRANS. RN2111F
B 00343	5	759813719500		SCHRAUBE XQN2+CJ6FZ	SCREW XQN2+CJ6FZ						
B 00344	5	759813719500		SCHRAUBE XQN2+CJ6FZ	SCREW XQN2+CJ6FZ						
B 00345	5	759813822900		SCHRAUBE XQN2+CJ35FZ	SCREW XQN2+CJ35FZ						
B 00346	5	759813822900		SCHRAUBE XQN2+CJ35FZ	SCREW XQN2+CJ35FZ						
				ZUBEHOER	ACCESSORIES	L 00305	759813763900	SPULE 10UH	R 01601	△ 759875863400	SI.-WIDERSTAND
						L 00407	759813764000	SPULE 2.2UH	T 01001	759813768100	TRAFO
						L 00408	759813764100	SPULE 22UH	T 04001	759813768200	OSZ. SPULE VLQ0905
						L 00703	759875514000	SPULE 10 UH	X 00402	759813768300	QUARZ 45.062M
						L 01002	759813706800	SPULE VLQ0827M220	X 06001	759813634700	QUARZ 16000 KHZ
						L 01004	759875514000	SPULE 10 UH	X 06002	759813768400	QUARZ 32.768K
						L 01006	759813763900	SPULE 10UH			
						L 01007	759813705000	SPULE VLQ0827M470			
						L 01008	759813429600	SPULE			
						L 01010	759813769900	EINHEIT T4 U			
						L 01061	759813705100	SPULE VLQ0827M330			
						L 01062	759813705100	SPULE VLQ0827M330			
						L 01801	759813763900	SPULE 10UH	FP 00802	759813788300	VERBINDER 20POL (FEMALE)
						L 03001	759813706200	SPULE ELJFA820JB	FP 00803	759813788400	VERBINDER 10POL (FEMALE)
						L 03303	759813764100	SPULE 22UH			
						L 03304	759813764400	SPULE 47UH	LB 00801	759813315900	SPULE VLP0175
						L 03305	759813764400	SPULE 47UH			
						L 03306	759813764400	SPULE 47UH			
						L 03307	759813764400	SPULE 47UH			
						L 03308	759813706200	SPULE ELJFA820JB			
						L 03320	759813764500	SPULE 33UH			
						L 04001	759874837800	SMD DR 1210 100UH 10% LEM	D 06801	759813485200	DIODE BR2202S-20B1
						L 04003	759874837800	SMD DR 1210 100UH 10% LEM	D 06802	759813508000	IR EMPFAENGEREINH. PH310
						L 04004	759874837800	SMD DR 1210 100UH 10% LEM	D 06804	759813766800	LED KLAR
									IC 06801	759813768700	IR EMPFAENGER
						LB 00301	759874837800	SMD DR 1210 100UH 10% LEM			
						LB 00402	759813315900	SPULE VLP0175			
						PS 01003	759813788100	VERBINDER 6POL (FEMALE)	D 00291	759813763400	DIODE O2DZ16Y
						Q 05003	759813766200	TRANS 2SA812			
						Q 06001	759813768300	QUARZ 45.062M	Q 00291	759812796400	SMD TRANS. 2 SC 2295 B
						Q 06002	759813765300	TRANS 2SA1832FY			
						Q 06004	759813765400	TRANS 2SC4738FY			
						Q 06006	759813765500	TRANS 2SC4944YR			
						QR 00401	759813766500	TRANS. RN2103F		759813823400	HALL SENSOR
						QR 00402	759813766600	TRANS. RN2107F		759813788700	SCHALTER 0-LUX

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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