

NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

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.

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

SYSTEM CONTROL & SERVO ICs DC VOLTAGE CHART (SP MODE)

Ref.No. MODE	IC1001										IC2501									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
STOP	15.9	14.1	0	1.1							2.4	2.4	2.4	0	0	0	0	0	4.9	
PLAY	15.4	14.1	0	1.1							2.4	2.4	2.4	0	0	0	0	0	4.9	
REC	15.4	14.1	0	1.1							2.4	2.4	2.4	0	0	0	0	0	4.9	
F.F	15.4	14.1	0	1.1							2.4	2.4	2.4	0	0	0	0	0	4.9	
REW	15.4	14.1	0	1.1							2.4	2.4	2.4	0	0	0	0	0	4.9	

Ref.No. MODE	IC6001																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	4.3	0	2.3	4.6	0	5	4.9	4.7	1.8	0	0	1.9	0	5.0	0	0	4.5	4.7	0	4.7
PLAY	4.3	0	2.3	4.6	0	5	4.9	4.7	3.2	0	4.7	1.9	0	5.0	4.3	0	4.5	4.7	4.6	4.7
REC	4.3	4.6	2.3	4.6	0	5	4.9	4.7	3.4	0	4.7	1.9	0	5.0	4.3	0	4.5	4.7	0	4.7
F.F	4.3	0	2.3	4.6	0	5	4.9	4.7	0.7	0	4.9	1.9	0	5.0	0	0	4.5	4.7	0	4.7
REW	4.3	0	2.3	4.6	0	5	4.9	4.7	3.2	0	4.9	1.9	0	5.0	0	0	4.5	4.7	0	4.7

Ref.No. MODE	IC6001																			
	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	4.7	0	0	0	4.7	4.7	4.7	0	0	0	0	4.7	4.7	-	-	0
PLAY	0	0	0	4.7	4.7	0	0	4.7	4.7	4.7	4.7	0	0	0	0	4.7	4.7	-	-	0
REC	4.6	4.6	4.6	0	4.7	4.6	4.6	0	4.7	4.7	4.7	0	0	0	0	4.7	4.7	-	-	0
F.F	0	0	0	0	4.7	0	0	0	4.7	4.7	4.7	4.7	0	0	0	4.7	4.7	-	-	0
REW	0	0	0	0	4.7	0	0	0	4.7	4.7	4.7	4.7	0	0	0	4.7	4.7	-	-	0

Ref.No. MODE	IC6001																			
	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	1.0	1.3	4.7	0	4.7	0	0	0	0	0	0	4.7	0	0	0	0	4.7	4.7	4.7	0
PLAY	1.0	1.3	4.7	0	4.7	0	0	0	0	0	0.3	0	4.7	0	0	0	4.7	4.7	4.7	0
REC	1.0	1.3	4.7	0	3.5	0	0	0	0	0	0.3	0	4.7	0	0	0	4.7	4.7	4.7	0
F.F	1.0	1.3	4.7	0	4.7	0	0	0	0	0	4.6	0	0	0	0	0	4.7	4.7	4.7	0
REW	1.0	1.3	4.7	0	4.7	0	0	0	0	0	4.6	0	0	0	0	0	4.7	4.7	4.7	0

Ref.No. MODE	IC6001																			
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	4.6	0	5.0	0	4.7	4.7	4.7	4.3	4.5	4.5	2.7	3.5	0	0	5.0	0	0	2.3	4.9	4.9
PLAY	4.6	0	5.0	0	4.7	4.7	4.7	4.3	4.5	4.5	3.5	2.5	0	0	5.0	0	2.4	2.3	4.9	4.9
REC	4.6	0	5.0	0	4.9	4.9	4.9	4.3	4.5	4.5	3.5	2.5	0	0	5.0	0	2.4	2.3	4.9	4.9
F.F	4.6	0	5.0	0	4.7	4.7	4.7	4.3	4.5	4.5	2.7	3.5	0	0	5.0	0	4.7	2.3	2.4	2.4
REW	4.6	0	5.0	0	4.7	4.7	4.7	4.3	4.5	4.5	2.7	3.5	0	0	5.0	4.7	4.7	2.3	2.4	2.4

Ref.No. MODE	IC6001										IC6001									
	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
STOP	0	5.0	0.3	0.3	2.4	1.3	4.6	0	2.4	2.4	0	0	0	2.4	2.4	0	2.4	5.0	5.0	4.7
PLAY	0	5.0	0.3	0	2.4	1.3	4.6	0	2.4	2.4	0	0	0	2.4	2.4	0	2.4	5.0	5.0	4.7
REC	0	5.0	4.6	0.3	2.4	1.3	4.6	0	2.4	2.4	2.7	2.7	0	2.4	2.4	0	2.4	5.0	5.0	4.7
F.F	0	5.0	0.3	0.3	2.4	1.3	4.6	0	2.4	2.4	0	0	0	2.4	2.4	0	2.4	5.0	5.0	4.7
REW	0	5.0	0.3	0.3	2.4	1.3	4.6	0	2.4	2.4	0	0	0	2.4	2.4	0	2.4	5.0	5.0	4.7

Ref.No. MODE	IC6002				IC6003				IC6004			
	1	2	3	4	1	2	3	4	1	2	3	4
STOP	0	1.0	4.9	0	1.0	2.2	4.9	0	5.0	5.0	0	
PLAY	0	1.0	4.9	0	1.0	2.2	4.9	0	5.0	5.0	0	
REC	0	1.0	4.9	0	1.0	2.2	4.9	0	5.0	5.0	0	
F.F	0	1.0	2.4	0	1.0	2.2	4.9	0	5.0	5.0	0	
REW	0	1.0	2.4	0	1.0	2.2	4.9	0	5.0	5.0	0	

SYSTEM CONTROL & SERVO TRs DC VOLTAGE CHART (SP MODE)

Ref.No. MODE	Q1001			Q1003			Q1006			Q1007			Q1010			Q1504	
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	+	-
STOP	-29.1	-29.0	-28.4	5.0	5.6	5.7	5.0	5.6	5.6	5.1	5.6	5.7	5.0	5.6	5.6	4.7	0
PLAY	-29.1	-29.0	-28.4	5.0	5.6	5.7	5.0	5.6	5.6	5.1	5.6	5.7	5.0	5.6	5.6	4.7	0
REC	-29.4	-29.0	-28.4	5.0	5.6	5.7	5.0	5.6	5.6	5.1	5.6	5.7	5.0	5.6	5.6	4.7	0
F.F	-29.4	-29.4	-28.7	5.0	5.6	5.7	5.0	5.6	5.6	5.1	5.6	5.7	5.0	5.6	5.6	4.7	0
REW	-29.4	-29.4	-28.7	5.0	5.6	5.7	5.0	5.6	5.6	5.1	5.6	5.7	5.0	5.6	5.6	4.7	0

Ref.No. MODE	Q1505		
	+	-	
STOP	4.9	0	
PLAY	4.9	0	
REC	4.9	0	
F.F	4.9	0	
REW	4.9	0	

Ref.No. MODE	QR1001			QR1005			QR2504			QR2505			QR6001			QR6002		
	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.0	4.9	0	0	5.6	0	0	0	4.7	0	0	0	4.9	0	4.7	0	0	4.7
PLAY	5.0	4.9	0	0	5.6	0	0	0	4.7	0	0	0	4.9	0	4.7	0	0	4.7
REC	5.0	4.9	0	0	5.6	0	0	0	4.7	0	0	0	4.4	4.9	0	4.7	0	4.7
F.F	5.0	4.9	0	0	5.6	0	0	1.8	0	0	0	0	4.9	0	4.7	0	0	4.7
REW	5.0	4.9	0	0	5.6	0	0	1.8	0	0	0	0	4.9	0	4.7	0	0	4.7

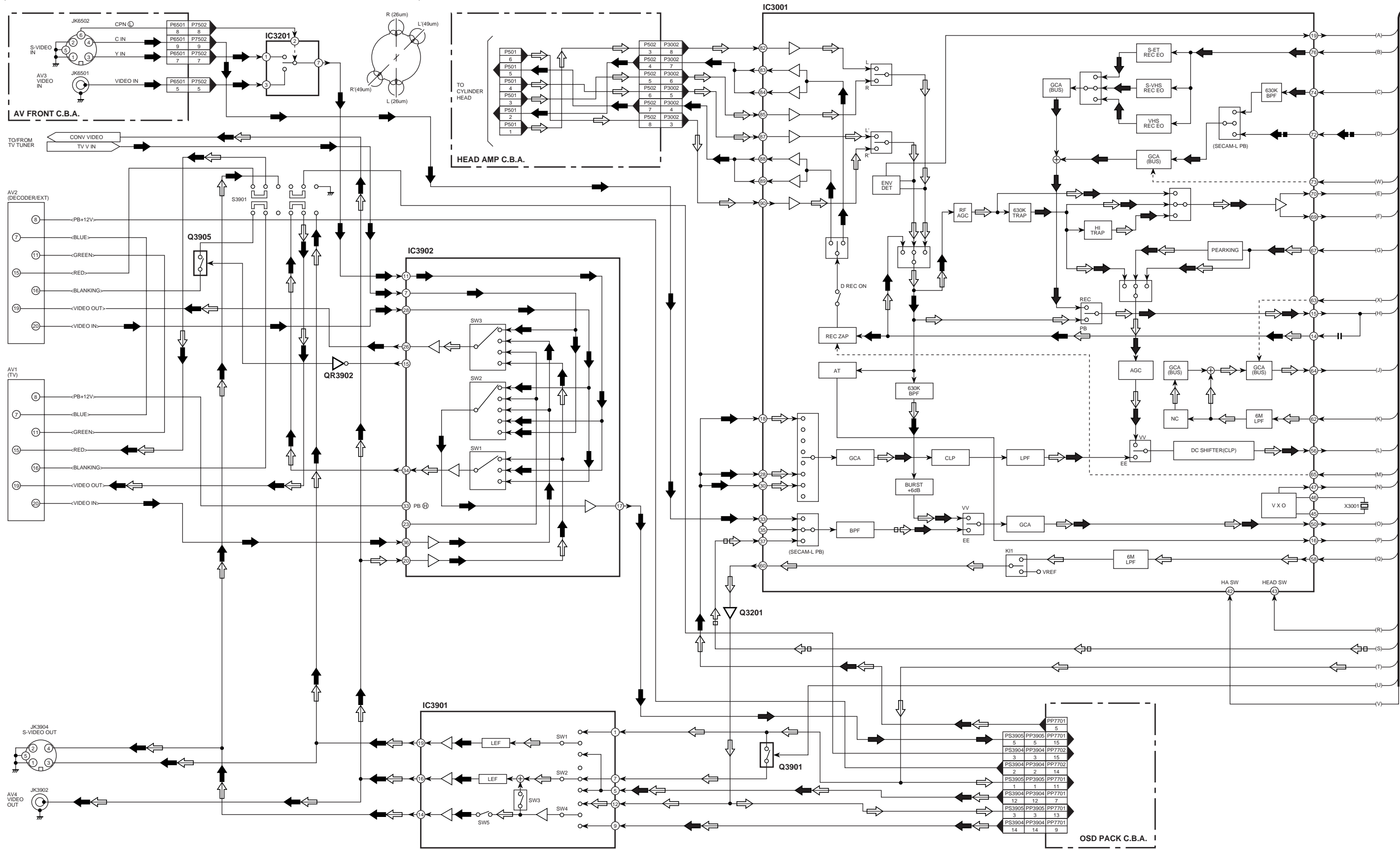
Ref.No. MODE	QR6003		
	E	C	B
STOP	0	0	0
PLAY	0	4.3	0
REC	0	0	0
F.F	0	0	0
REW	0	0	0

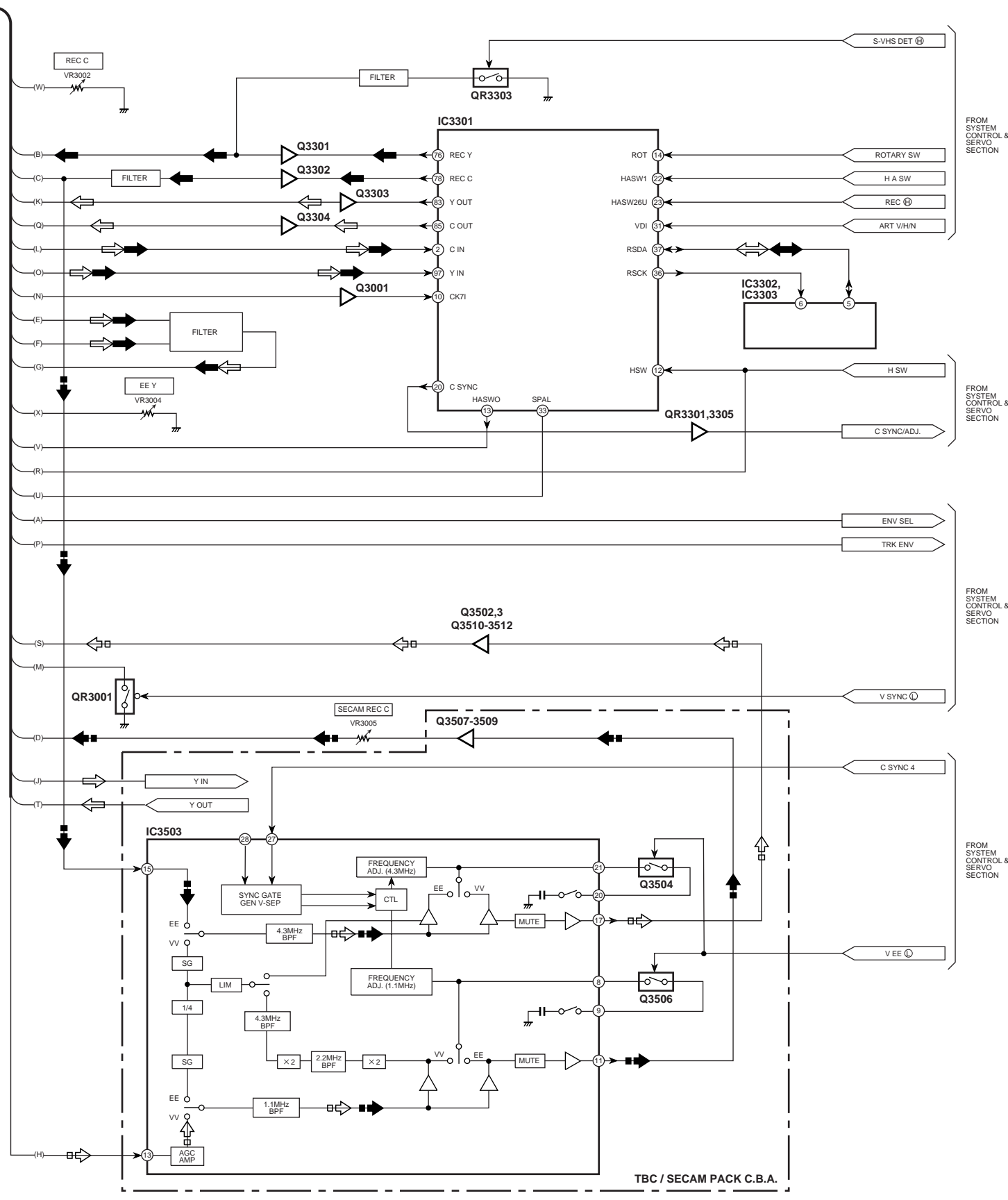
▶ VIDEO MAIN SIGNAL PATH IN REC MODE (SECAM SIGNAL ONLY)

◀ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (SECAM SIGNAL ONLY)

▶ VIDEO MAIN SIGNAL PATH IN REC MODE

◀ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE





FROM SYSTEM CONTROL & SERVO SECTION

FROM SYSTEM CONTROL & SERVO SECTION

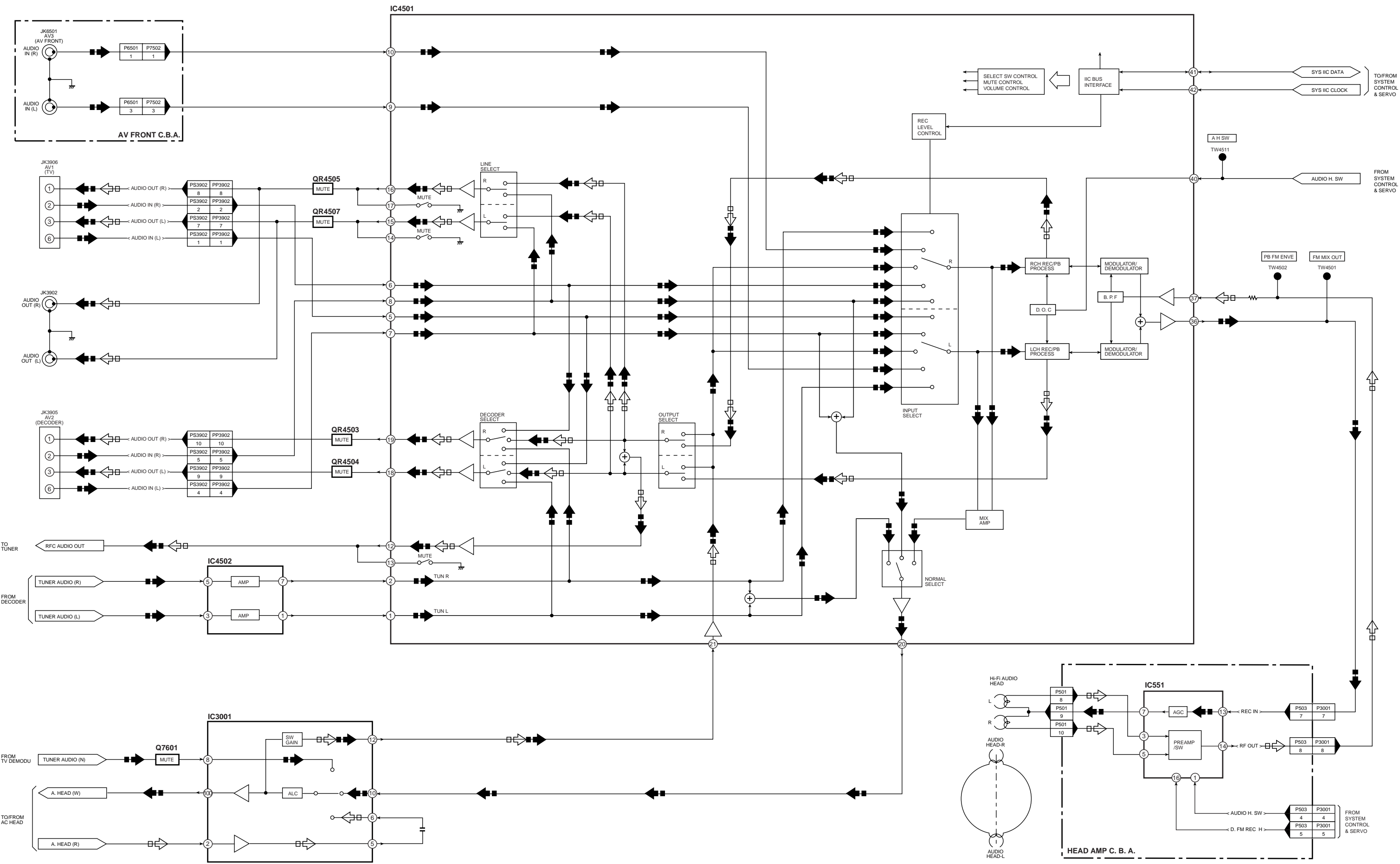
FROM SYSTEM CONTROL & SERVO SECTION

FROM SYSTEM CONTROL & SERVO SECTION

TBC / SECAM PACK C.B.A.

▶▶ AUDIO MAIN SIGNAL PATH IN REC MODE

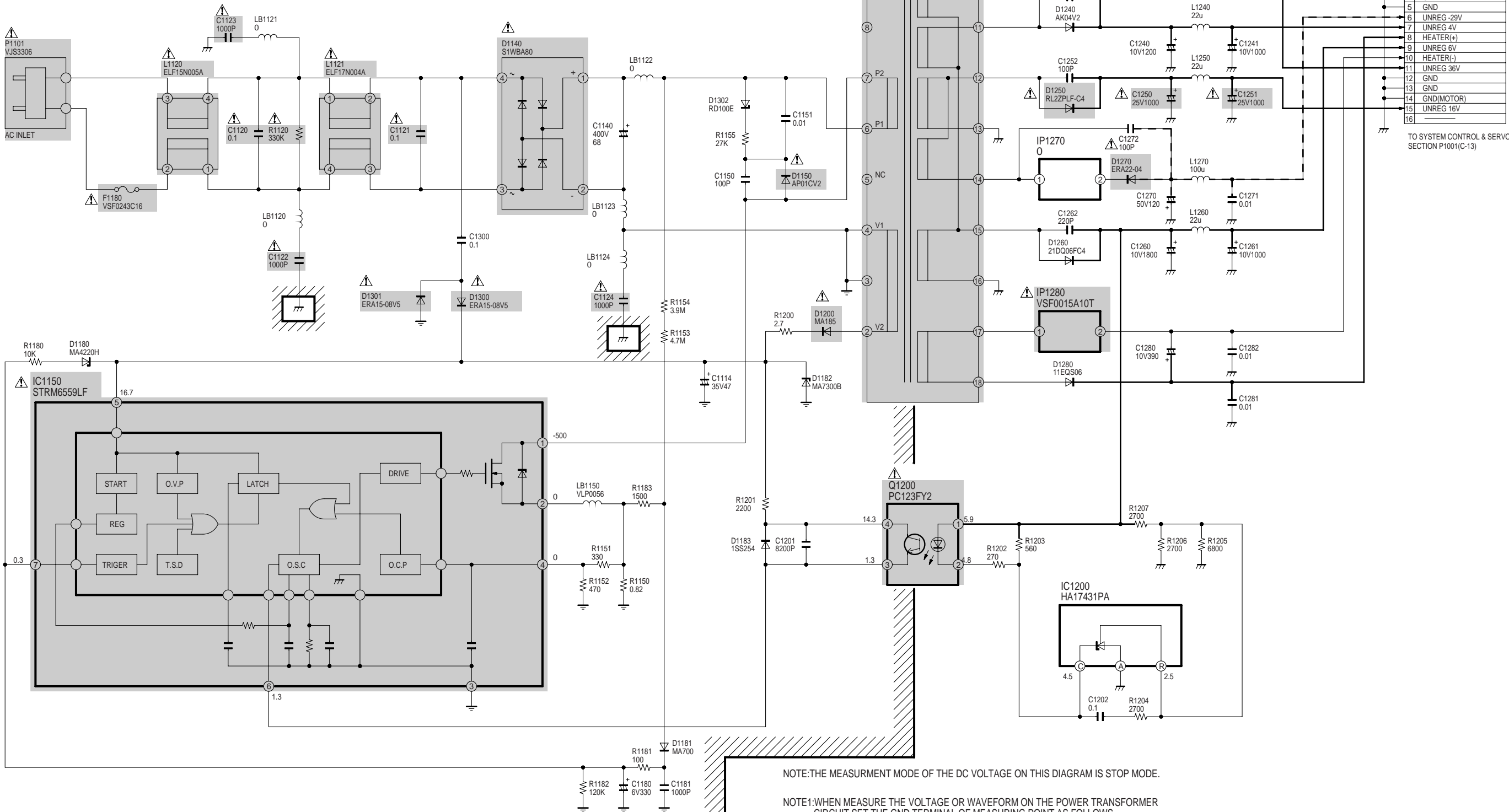
◀◀ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



CAUTION

THE STRIPED FRAME INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

F
HOT
E
D
C
B
A



P1102	
1	GND
2	GND
3	GND
4	GND
5	GND
6	UNREG -29V
7	UNREG 4V
8	HEATER(+)
9	UNREG 6V
10	HEATER(-)
11	UNREG 36V
12	GND
13	GND
14	GND(MOTOR)
15	UNREG 16V
16	

TO SYSTEM CONTROL & SERVO SECTION P1001(C-13)

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: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE1: WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFORMER CIRCUIT, SET THE GND TERMINAL OF MEASURING POINT AS FOLLOWS.
PRIMARY SIDE.....
SECONDARY SIDE...

NOTE2: THE DC VOLTAGE INDICATED IN PRIMARY SIDE IS SHOWN THE VOLTAGE WHEN INPUT AC IS 220V.

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