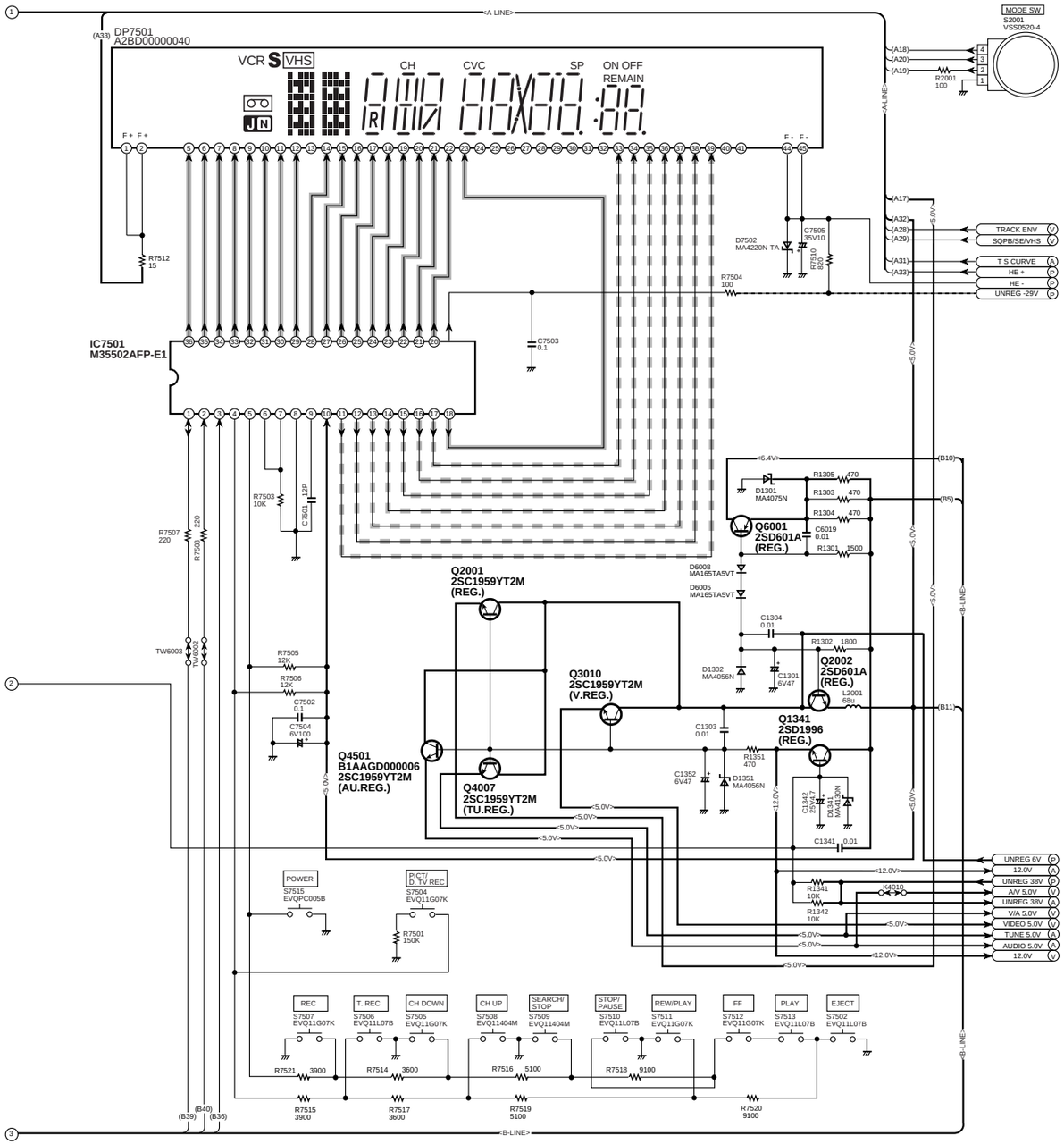

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

SYSTEM CONTROL & SERVO ICs VOLTAGE CHART (SP MODE)

Ref.No.	IC2501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	14.4	14.4	14.7	1.1	5.0	1.0	1.0	0.5	2.3	1.3	0	3.8	3.8	3.9	0	14.4				
PLAY	14.3	14.3	14.6	1.1	5.0	1.0	1.0	0.4	2.3	1.3	0	3.8	3.8	3.8	0	14.3				
REC	14.3	14.3	14.6	0.8	5.0	1.0	1.0	0.4	2.3	1.3	0	3.8	3.8	3.8	0	14.3				
F.F	14.1	14.1	14.5	0.8	5.0	1.0	1.1	0.4	2.4	1.3	0	3.8	3.8	36.8	0	14.2				
REW	14.1	14.1	14.5	1.1	5.0	1.0	1.1	0.5	2.3	1.3	0	3.8	3.8	3.8	0	14.0				
Ref.No.	IC6001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0.8	0	2.4	0	0	4.9	4.8	4.7	1.0	0	0	4.9	0	4.9	4.8	0	4.8	-	0	0
PLAY	0.8	0	2.3	0.3	0	4.9	4.7	4.7	1.6	0	4.6	4.9	0	4.9	4.8	0	4.8	-	-	0
REC	0.8	0	2.3	0.3	0	4.9	4.8	4.6	0	0	4.6	4.8	0	4.9	4.8	0	4.8	-	0	4.7
F.F	0.8	0	2.3	0.3	0	4.9	4.7	4.5	0.8	0	4.8	4.9	0	4.9	4.7	0	4.8	-	0	0
REW	0.8	0	2.3	0.4	0	4.9	4.6	4.5	3.5	0	4.8	4.9	0	4.9	4.8	0	4.8	-	0	0
Ref.No.	IC6001																			
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	4.8	0	0	0	0	0	4.8	0	0	0	1.5	1.5	4.8	-	-	0
PLAY	0	0	0	0	0	0	0	0	0	0	4.8	0	0	4.8	1.5	1.5	4.8	-	-	0
REC	0	0	0	4.7	4.8	0	0	0	0	0	4.8	0	0	4.8	1.5	1.5	4.8	-	-	0
F.F	0	0	0	0	0	0	0	0	0	0	4.8	4.8	0	4.8	1.5	1.5	4.8	-	-	0
REW	0	0	0	0	4.8	0	0	0	0	0	4.8	4.9	0	4.9	1.6	1.6	4.9	-	-	0
Ref.No.	IC6001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	4.8	0	0	4.4	4.4	0	1.3	2.1	0	2.2	4.2	2.2	5.0	2.1	1.5	1.9	0	0	0	0
PLAY	4.8	4.8	0	4.6	4.6	0	1.3	2.0	0	2.2	4.2	2.2	5.0	2.1	1.5	1.9	0	0	0	0
REC	4.8	4.8	0	0	0	0	1.3	2.0	0	2.2	4.2	2.2	5.0	2.1	1.5	1.9	0	0	0	0
F.F	4.9	0	0	2.9	2.9	0	1.3	2.1	0	2.2	4.2	2.2	5.0	2.0	1.5	1.9	0	0	0	0
REW	4.8	0	0	2.9	2.9	0	1.3	2.1	0	2.2	4.2	2.2	5.0	2.0	1.4	1.9	0	0	0	0
Ref.No.	IC6001																			
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	2.5	0	0	3.5	3.5	3.7	3.7	3.5	2.4	0	0	0	2.3	4.9	0.1	5.0
PLAY	0	0	0	0	2.7	0	0	3.4	3.4	3.7	3.7	3.5	2.4	0	0.3	2.4	2.3	4.9	5.0	5.0
REC	0	0	0	0	2.5	0	0	4.1	3.6	3.7	3.6	3.5	2.4	0	0.3	2.4	2.3	4.9	5.0	5.0
F.F	0	0	0	0	3.7	0	0	4.1	3.9	4.0	3.7	3.6	2.5	0	4.5	4.8	2.3	5.0	2.3	2.3
REW	0	0	0	0	3.7	0	0	3.7	3.7	3.8	3.6	2.5	4.8	4.5	4.8	2.3	5.0	2.2	2.7	5.0
Ref.No.	IC6001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
STOP	0	0	0	4.1	0	2.4	2.4	0	0	1.1	2.4	2.4	0	2.4	2.4	2.4	2.4	4.9	4.9	4.8
PLAY	0	0	0	4.1	0	2.4	2.4	0	0	1.1	2.4	2.4	0	2.4	2.4	2.4	2.3	4.9	4.9	4.8
REC	0	0	0	4.1	0	2.4	2.4	0	0	0.8	2.4	2.4	0	2.9	2.1	2.4	2.4	4.9	4.9	0
F.F	0	0	0	4.2	0	2.5	2.5	0	0	1.1	2.5	2.5	0	2.4	2.4	2.4	2.4	5.0	5.0	4.9
REW	0	0	0	4.2	0	2.5	2.5	0	0	0.8	2.5	2.5	0	2.4	2.4	2.4	2.5	5.0	5.0	4.9
Ref.No.	IC6002					IC6003					IC6004									
MODE	1	2	3	4	5	1	2	3			1	2	3	4						
STOP	4.9	4.9	0	0	0	4.9	0	4.9			1.1	2.2	5.0	0						
PLAY	4.9	4.9	0	0	0	4.9	0	4.9			1.1	2.2	5.0	0						
REC	4.9	4.9	0	0	0	4.9	0	4.9			1.1	2.2	5.0	0						
F.F	5.0	5.0	0	0	0	4.9	0	4.9			1.1	2.2	2.2	0						
REW	5.0	5.0	0	0	0	4.9	0	4.9			1.1	2.2	2.3	0						
Ref.No.	IC7501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.6	3.8	2.5	4.9	4.9	0	0	0	2.3	4.9	-24.7	-25.0	-25.1	-25.0	-24.9	-24.9	-24.9	-18.5	-29.8	-29.6
PLAY																				
REC																				
F.F																				
REW																				
Ref.No.	IC7501																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
STOP	-18.5	-20.0	-14.0	-14.0	-19.0	-14.5	-14.6	-14.0	-18.6	-15.0	-15.0	-15.5	-24.4	-20.0	-10.5	-15.0				
PLAY																				
REC																				
F.F																				
REW																				

SYSTEM CONTROL & SERVO TRANSISTORs VOLTAGE CHART (SP MODE)

Ref.No.	Q1341			Q2001			Q2002			Q3010			Q4007			Q4501		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	12.2	14.7	12.9	5.0	5.7	5.7	5.0	5.7	5.7	5.0	5.6	5.7	5.0	5.6	5.7	5.0	5.6	5.7
PLAY	12.3	14.7	12.9	5.0	5.9	5.8	5.0	5.9	5.7	5.0	5.8	5.8	5.0	5.8	5.7	5.0	5.8	5.8
REC	12.3	14.7	12.9	5.0	5.8	5.8	5.0	5.8	5.7	5.0	5.7	5.7	5.0	5.7	5.7	5.0	5.7	5.8
F.F	12.5	14.5	13.2	5.0	6.1	5.7	5.1	6.1	5.8	5.0	6.0	5.7	5.0	6.0	5.7	5.0	6.0	5.7
REW	12.5	14.5	13.2	5.0	6.0	5.7	5.1	6.1	5.8	5.0	6.0	5.7	5.0	6.0	5.7	5.0	5.9	5.7
Ref.No.	Q6001			Q6002			Q6003											
MODE	E	C	B	-	+		-	+										
STOP	6.4	7.7	7.0	0	4.7		0	4.8										
PLAY	6.4	7.7	7.0	0	4.7		0	4.8										
REC	6.4	7.7	7.0	0	4.7		0	4.8										
F.F	6.4	7.6	7.1	0	4.7		0	4.8										