

JVC

HR-D870 & HR-D970

Power Supply
and
Parts List

Note: Schematic has been stitched together
For easy viewing.

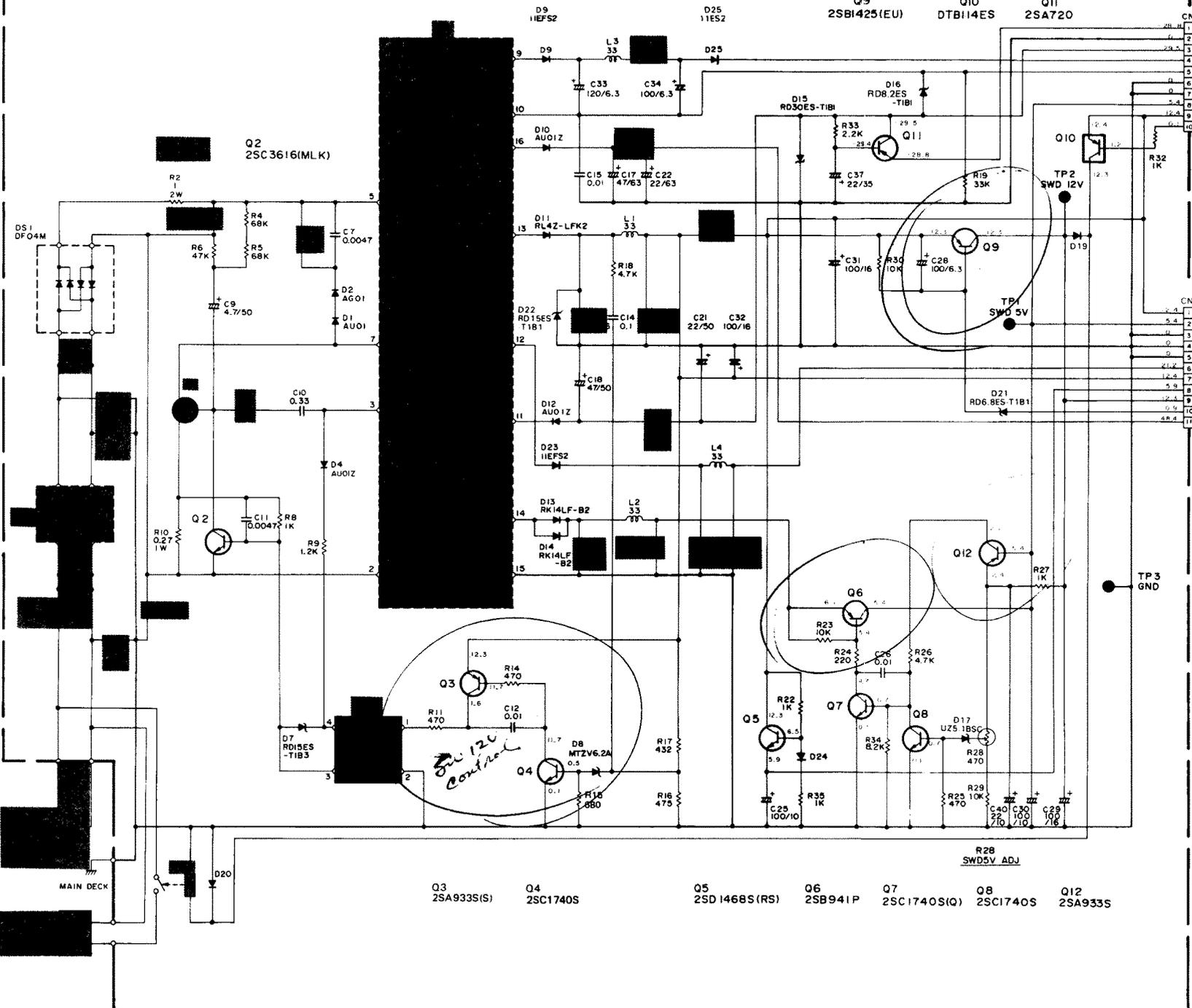
2 cropped pages at end allow for easy
printing of larger schematic.

My thanks to Frank for the info on the JVC power supply,
And Paul Allen for this scan.
The problem was C33, the ESR checked good in circuit, but when I
removed it , the capacitance was bad. Once again thanks.. Lou

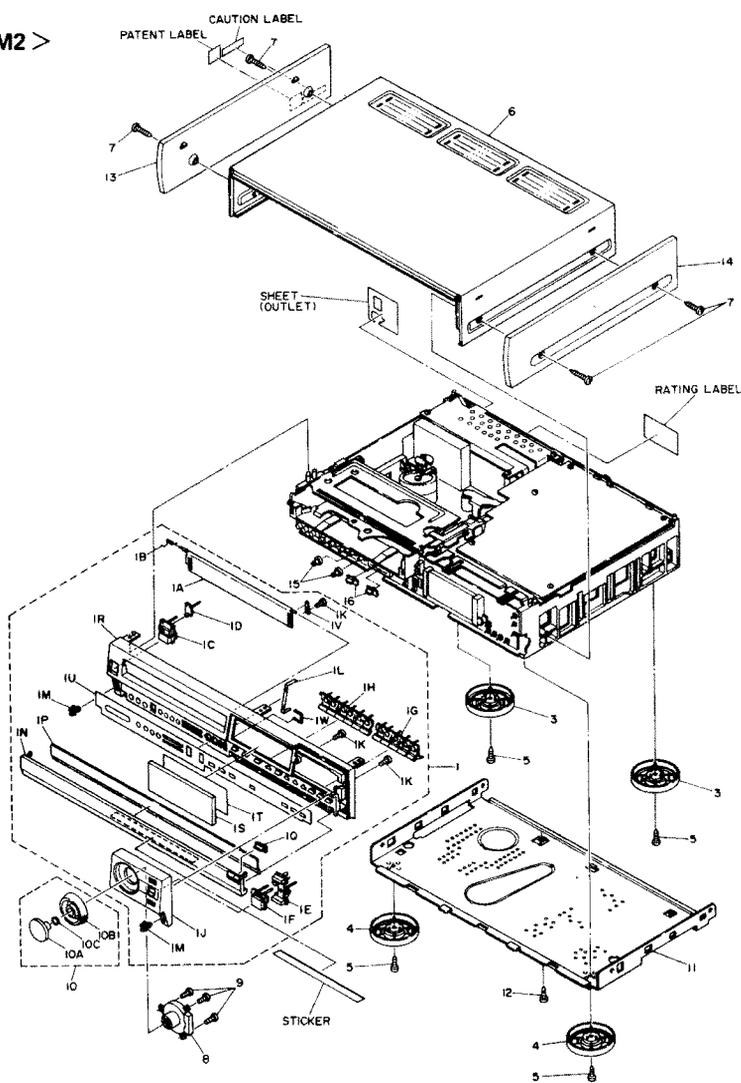
A Technical Connections Publication.....

JVC_HRD870-970_Power_Supply.pdf

01 SWITCHING REGULATOR



4.2 CABINET ASSEMBLY < M2 >



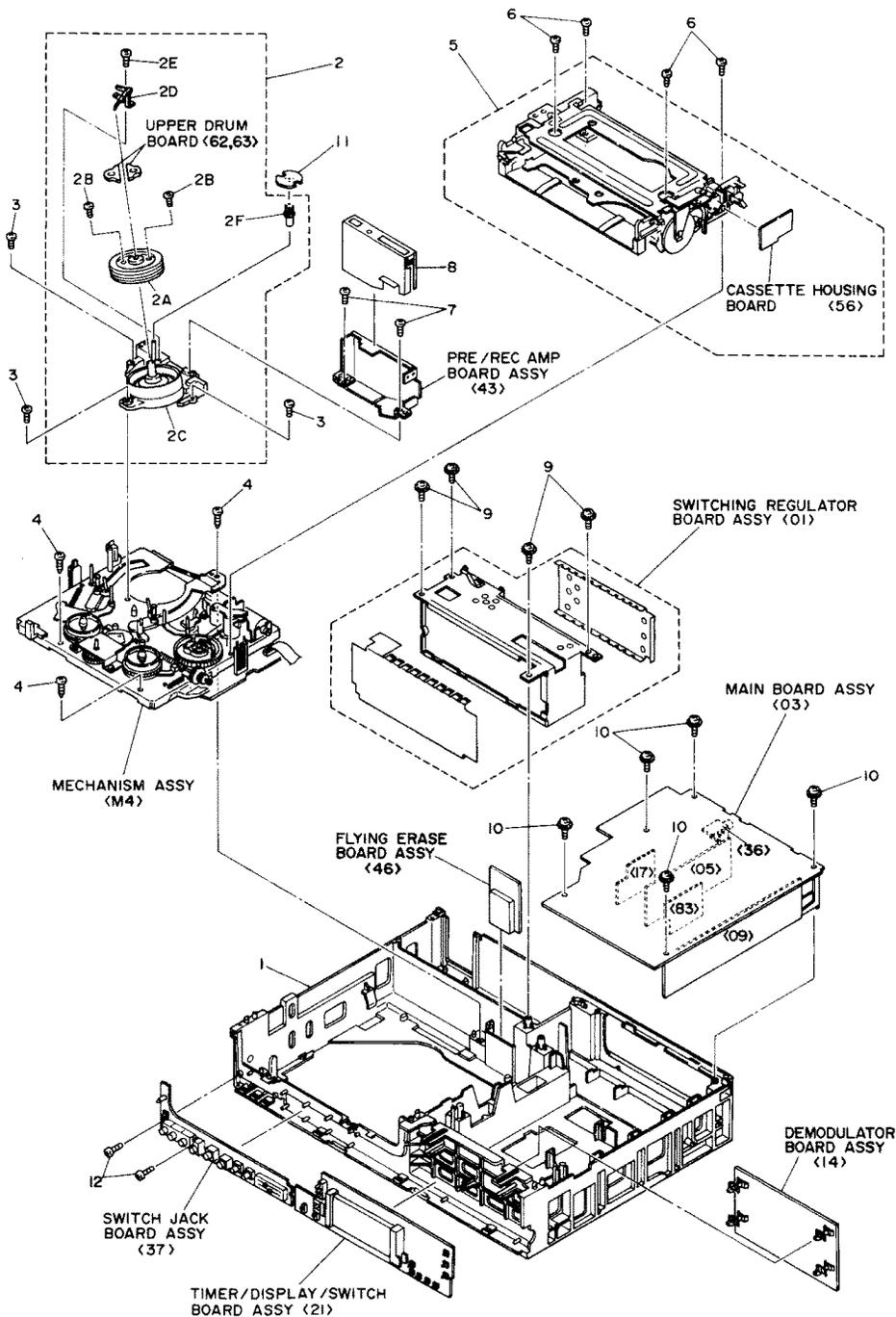
#△ REF No. PART No. PART NAME, DESCRIPTION

CABINET ASSEMBLY < M2 >

#	REF No.	PART No.	PART NAME, DESCRIPTION
1		PQ10874J-13	FRONT PANEL ASSY,D970(CANADA)
1		PQ10874K-15	FRONT PANEL ASSY, D960(USA)
1		PQ10874J-15	FRONT PANEL ASSY,D970(USA)
1A		PQ20858-7	CASSETTE DOOR
1B		PQ43628-1-1	TORSION SPRING
1C		PQ32948-7	BUTTON(POWER)
1D		PQ32955	INDICATOR(POWER)
1E		PQ32951-2	BUTTON(PLAY)
1F		PQ32952-2	BUTTON(PAUSE)
1G		PQ20856-5	BUTTON(1)
1H		PQ20857-7	BUTTON(2)
1J		PQ20853-2	COVER(FRONT)
1K		SDSF2005Z	SCREW,X3
1L		PQ32964	EARTH PLATE
1M		PU60109	CATCHER,X2
1N		PQ10879-9	DOOR, D960(USA)
1N		PQ11030	DOOR, D970(USA)
1N		PQ11030-1-1	DOOR, D970(USA)
1P		PQ21105-1-1	PLATE(DOOR), D970U(USA, CANADA)
1P		PQ20855-8	PLATE(DOOR), D960(USA)
1Q		PQ44775	KNOB(DOOR), D970(USA/CANADA)

#	REF No.	PART No.	PART NAME, DESCRIPTION
△	1R	PQ10875-8-8	FRONT PANEL
	1S	PQ32949-1-2	DISPLAY WINDOW
	1T	PQ32950-4	FILTER
	1U	PQ21098-1-2	PLATE(PROG.)
	1V	PQ44389	BRACKET
	1W	PQ44563	BRACKET
	3	PQ33012B	FOOT ASSY,X2
	4	PQ33013-2	FOOT(1), X2
	5	SDSF3010Z	SCREW,X4 FOR FOOT
△	6	PQ10877-10	TOP COVER,D960(USA)
△	6	PQ10877-9	TOP COVER,D970(USA/CANADA)
	7	PQ43827	SPECIAL SCREW,X4,D960(USA)
	7	PQ43930	SPECIAL SCREW,X4,D970(USA/CANADA)
	8	PEME0757	JOG SHUTTLE ASSY
	9	SDSF2608Z	SCREW,X3 FOR JOG SHUTTLE ASSY
	10	PQ44273B	KNOB ASS'Y
	10A	PQ32953-2	KNOB(SHUTTLE)
	10B	PQ32954-2	KNOB(JOG)
	10C	PQ44561	RING
△	11	PQ10878	BOTTOM COVER
	12	SDSF3010Z	SCREW,FOR BOTTOM COVER
	13	PQ10921A	SIDE PANEL(L),D970(USA/CANADA)
	14	PQ10922A	SIDE PANEL(R),D970(USA/CANADA)
	15	PQ44257	KNOB(VOLUME),X2
	16	PQ33137	KNOB(SLIDE),X2

4.3 CHASSIS ASSEMBLY < M3 >



BEWARE OF BOGUS PARTS

Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.

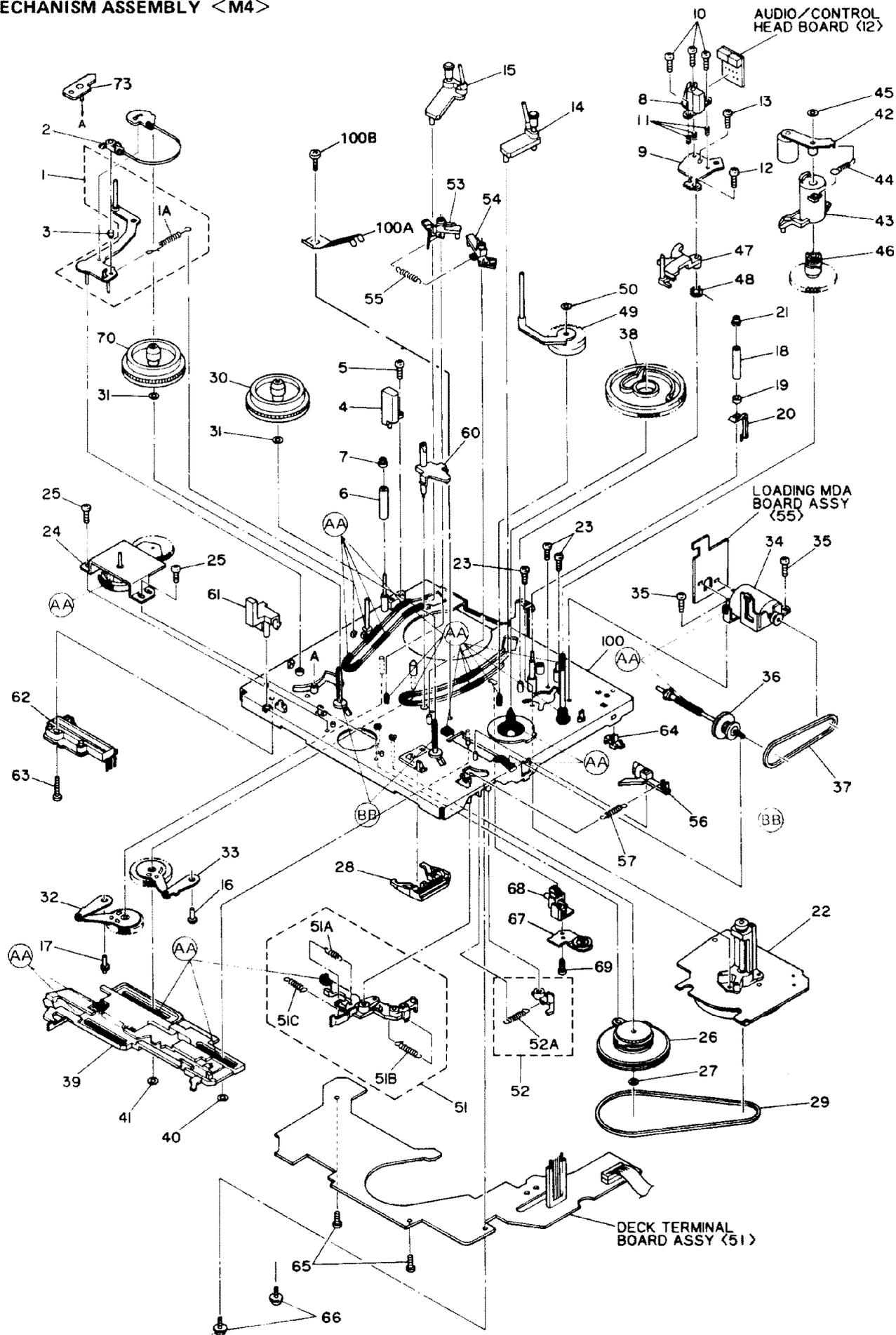
#△ REF No. PART No. PART NAME, DESCRIPTION

CHASSIS ASSEMBLY < M3 >

△ 1	PQ10876-2-11	BOTTOM CHASSIS
△ 2	PDV2201A	DRUM ASSY
2A	PDM2083G-8	UPPER DRUM ASSY
2B	PDM4165A	DRUM SCREW ASSY,X2
2C	PDM2138B	LOWER DRUM MOTOR ASSY
2D	PDM4229A-1	BRUSH ASSY
2E	SDSG2606Z	SCREW

#△ REF No.	PART No.	PART NAME, DESCRIPTION
2F	PDM4226A	ROLLER ASSY
3	SPST2610Z	SCREW,X3,FOR DRUM
4	PQ43831	SPECIAL SCREW,X3,FOR MECHANISM
5	PUS29183B-7	CASSETTE HOUSING ASSY
6	SPST2608Z	SCREW,X4,FOR CASSETTE HOUSING
	or SDST2608Z	SCREW,X4,FOR CASSETTE HOUSING
7	SDSG2606Z	SCREW,X2,FOR PRE/REC
8	PQ33002-1-3	SHIELD CASE(2),FOR PRE/REC
9	GPSF2610Z	SCREW,X4,FOR SW REG
10	GPSF2610Z	SCREW,X5,FOR MAIN
11	PQ44230	INERTIA PLATE
12	SDSF2608Z	SCREW, X2

MECHANISM ASSEMBLY <M4>



#△ REF No. PART No. PART NAME, DESCRIPTION

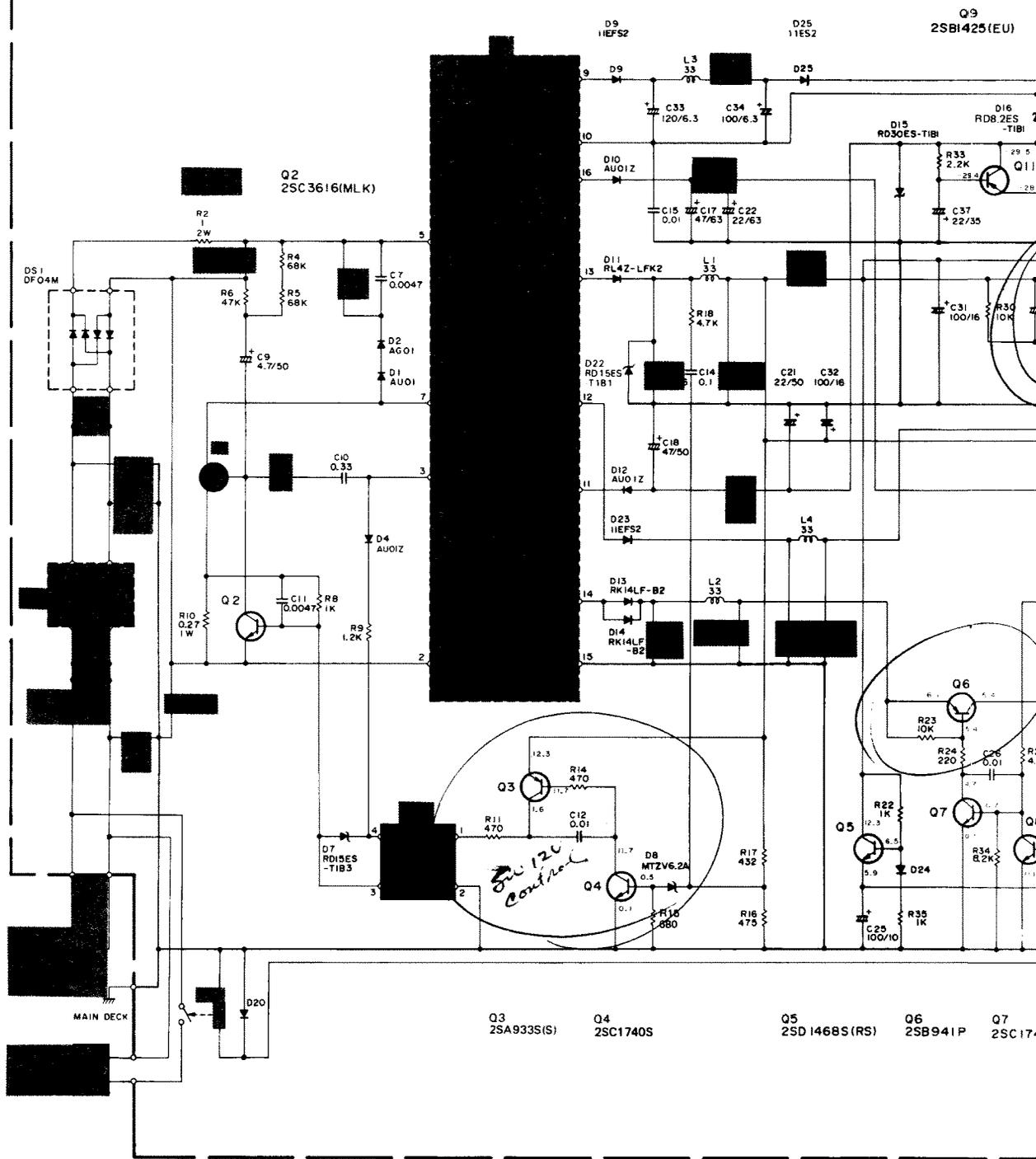
MECHANISM ASSEMBLY <M4>

1	PQ43497E-8	TENSION ARM ASSY
1A	PQ43500	TENSION SPRING
2	PQ43501B	TENSION BAND ASSY
3	PQ43503-1-4	ADJUST PIN
4	PU60616	FULL ERASE HEAD
5	SDSF2614Z	SCREW
6	PQ43505-1-1	ROLLER
7	PQ43506	GUIDE POLE CAP
8	PU60617	AUDIO/CONTROL HEAD
9	PQ43509	HEAD BASE
10	PQ43687A	SPECIAL SCREW,X3
11	PQM30002-192	COMPRESSION SPRING,X3
12	SPSP2606Z	SCREW
13	SPSF2608M	SCREW
14	PU61103-2	POLE BASE ASSY(TU)
15	PU61151-2	POLE BASE ASSY(SUPPLY)
16	PQ43524	STOPPER
17	PQ43525	STOPPER 2
18	PQ43526-1-3	TAPE GUIDE
19	PQ43670-1-1	GUIDE FLANGE
20	PQ43675	TAPE GUARD
21	PQ43506	GUIDE POLE CAP
△ 22	PU61003	CAPSTAN MOTOR
23	SPSG2608Z	SCREW,X3
24	PU61004-1-3	IDLER GEAR UNIT
25	SPST2606Z	SCREW,X2
26	PU61005-1-4	CLUTCH UNIT
27	PQM30017-8	SLIT WASHER
28	PQ43532A-1	CHANGE LEVER ASSY
29	PU61006	TIMING BELT
30	PU60858	REEL DISK (TAKE-UP)
31	PQM30018-54	SPACER,X2
32	PQ43537A	LOADING ARM ASSY (SUPPLY)
33	PQ43542B	LOADING ARM ASSY (TAKE-UP)
34	PQ43676B-5	MODE MOTOR ASSY
	or PQ43676C	MODE MOTOR ASSY
35	SPST2606Z	SCREW,X2

#△ REF No.	PART No.	PART NAME, DESCRIPTION
36	PQ43548A-3	WORM CLUTCH ASSY
37	✓ PQM30003-23	BELT(LOADING)
38	✓ PQ20822-2-4	CONTROL CAM
39	PQ44326A-3	PLATE ASSY
40	PQM30017-12	SLIT WASHER
41	PQM30017-8	SLIT WASHER
42	PQ43921B	PINCH ROLLER ARM ASSY
43	PQ32415	PINCH ROLLER PRESS LEVER
44	PQM30001-233	TENSION SPRING
45	PQM30017-12	SLIT WASHER
46	PQ32416-2	PINCH ROLLER CAM
47	PQ43567A-8	GUIDE ARM ASSY
48	PQ43569-1-3	TORSION SPRING
49	PQ43570A	HALF LOADING GEAR ASSY
50	PQM30017-12	SLIT WASHER
51	PQ43575A-5	C.LEVER ASSY
51A	PQM30001-273	T.SPRING
51B	PQM30001-237	TENSION SPRING
51C	PQM30001-274	T.SPRING
52	PQ43578A-2	HOOK ASSY
52A	PQM30001-238	TENSION SPRING
53	PQ43581A-6	MAIN BRAKE ASSY (SUPPLY)
54	PQ43582A-2	MAIN BRAKE ASSY (TAKE-UP)
55	PQM30001-251	TENSION SPRING
56	PQ43583A	SUB BRAKE ASSY (TAKE-UP)
57	PQM30001-298	TENSION SPRING
60	PU60621-1-2	LED HOLDER(INC D1)
61	PU60624-1-4	REC SAFETY SWITCH(S2)
62	PU60973	SLIDE SWITCH(S3)
63	SDSF2614Z	SCREW
64	PQ32516	PWB HOLDER
65	SDST2616Z	SCREW,X2
66	GPSF2608Z	SCREW,X2
67	PQ43912A-5	PULLEY ARM ASSY
68	PQ32882	PULLEY BASE
69	SDSF2608Z	SCREW
70	PU60859	REEL DISK (SUPPLY)
73	PQ44246	TENSION BRACKET 3
100	PQ20650C-18	MAIN DECK ASSY
100A	PQ43849	EARTH PLATE
100B	SPST2604Z	SCREW

SWITCHING REGULATOR

5
4
3
2
1



- Q3
2SA933S(S)
- Q4
2SC1740S
- Q5
2SD1468S(RS)
- Q6
2SB941P
- Q7
2SC174

*See 120
control*

MAIN DECK

