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# Service Manual

Closer Relations through  
"Clarion Service Manual"

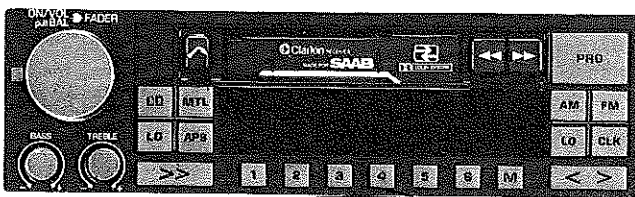
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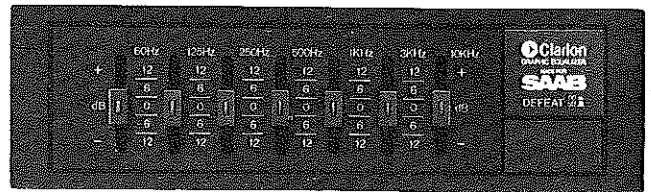
PU-9034A

Model ~~UU-556A~~

SAAB



PU-9034A



EU-328A

## SPECIFICATIONS:

(The specifications for this product were determined and are presented in accordance with specification standards established by the Ad Hoc Committee of Car Stereo Manufacturers.)

### ● PU-9034A

#### General

Power supply voltage: DC 14.4V  
(10.8 to 15.6V allowable)  
 Current consumption: Less than 7.5A  
 Load impedance: 4ohms.  
(4 to 8ohms. allowable)  
 Weight: 2.0kg (4.41 lbs)

#### FM Section

Frequency range: 88.1MHz to 107.9MHz  
 Usable sensitivity: 12dBf (1.1μV./75ohms)  
 50dB Quieting sensitivity:  
 17dBf (2.0μV./75ohms)  
 Capture ratio: 1.5dB  
 Alternate channel selectivity:  
 70dB  
 Stereo separation: 35dB at 1kHz  
 Frequency response: 30Hz to 15,000Hz, ±5dB

#### AM Section

Frequency range: 530kHz to 1,610kHz  
 Usable sensitivity. (20dB S/N): 28μV  
 Selectivity. (at ±10kHz): 30dB

#### Tape Section

Tape speed: 4.76cm/s. (1-7/8 ips)  
 Wow & Flutter: 0.13% W.R.M.S.  
 Stereo separation: 42dB at 1kHz  
 Signal/Noise ratio: Norm (120μs)  
 53dB/62dB (Dolby NR on)  
 Metal (70μs)  
 56dB/65dB (Dolby NR on)  
 Frequency response: 50Hz to 12,500Hz, ±3dB  
 Fast forward time. (C-60): 100sec.  
 Rewind time. (C-60): 100sec.

#### Audio Section

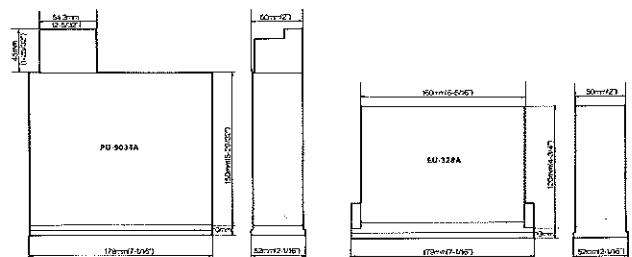
Max. power output: 23W per channel.  
 Rated power output: 14W per channel at 1kHz,  
 10% THD.  
 Continuous average  
 power output: 12W per channel into  
 4ohms, 50Hz to  
 15,000Hz, at 5% THD.  
 Tone action: Bass ±8dB at 100Hz  
 Treble ±5dB at 10kHz

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 ©Noise Reduction System manufactured under license from Dolby Laboratories Licensing Corporation.

### ● EU-328A

Power supply voltage: DC 14.4V  
(10.8 to 15.6V allowable)  
 Current consumption: Less than 0.5A  
 Gain: 0dB at center position  
 Frequency response: 15Hz to 100kHz, ±1.5dB  
 Signal to noise ratio: 80dB  
 Distortion: Less than 0.03% at  
 0.775V input  
 Weight: 750g

#### ● Dimensions



## COMPONENT VIEW:

● UU-556A-01

PU-9034A-A Main unit 1	CCA-073-100 Connecting cord 1
300-6692-02 Mounting bracket 1	852-7486-01 Extension lead x1
EU-328A-51 Graphic Equalizer 1	852-7821-00 Extension lead x1
300-6692-01 Mounting bracket 1	335-0833-01 Lead holder x3
921-7681-00 Parts bag 1	345-3791-00 Cushion 1 345-3792-00 Cushion 1
330-7672-01 Lock plate x1	345-3794-00 Spacer 1
330-7673-00 Hook plate x1	922-1247-00 Parts bag 1
345-2934-00 Cushion x1	370-3562-00 Escutcheon
330-7759-00 Hold plate x1	852-7820-00 Extension lead 1
335-0833-01 Lead holder x1	

## FEATURES:

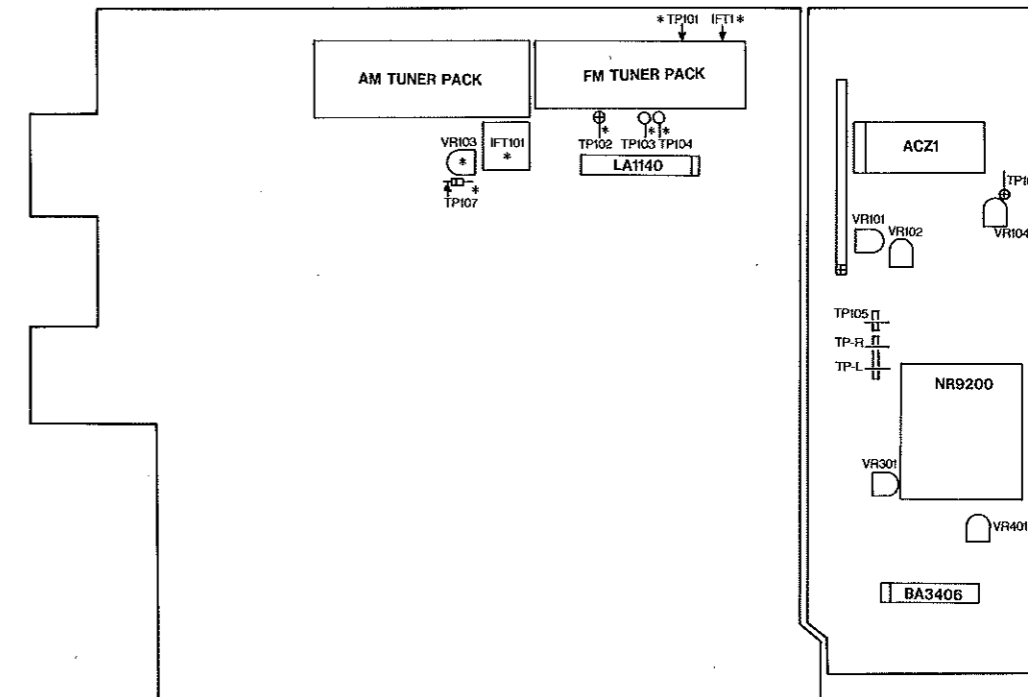
- AM/FM-MPX electronic tuning radio with auto reverse stereo player (F.F., REW. lock and key-off auto head release).
- Dolby NR.
- Tape selector (MTL).
- Loudness (LD).
- Separate Bass/Treble controls.

- Automatic Program Selection (APS).
- Feather-touch switches.
- ARK mechanism.
- Digital clock.
- DX/Lo selector (Lo).
- Built-in Hi-power amp. (23W×2)
- 7-band graphic equalizer controls.

## ADJUSTMENT:

Adjustment item	Adjustment point	Procedure
S curve	IFT1	1. Connect the output of an IF sweep generator to TP101 and the input of the vertical hold of an oscilloscope to TP105. 2. Ground TP104. 3. Adjust the S curve by means of IFT1.
S curve fine adjustment	IFT101	1. Tune at 98.1MHz (98.100MHz) and input a 36dB non-modulated SSG signal. 2. Connect a digital volt meter between TP102 and TP103. 3. Adjust IFT101 so that the voltage between TP102 and TP103 is 0V.
Stop sensitivity	VR103	1. Tune at 98.1MHz (98.100MHz), input a 36dB non-modulated SSG signal. 2. Adjust VR103 so that the voltage of the TP107 (cathode of D106) is in the range 1V to 4V.
SASC	VR102	1. Tune at 98.1MHz (98.100MHz), input an 55dB, 7kHz modulation frequency, 30% modulation degree SSG signal. 2. Adjust the output level of the volume controller to 0dBm (0.775V). 3. Set the SSG output to 38dB and adjust VR102 so that the output level is -3dBm.
MPX 1. VCO	VR104	1. Tune at 98.1MHz (98.100MHz), input a 65dB non-modulated SSG signal. 2. Connect a frequency counter to TP106 through a 100kΩ resistor and adjust VR104 so that the counter indicates 76kHz.
2. Separation	VR101	1. Tune at 98.1MHz (98.100MHz), connect the output of a stereo modulator to the external modulation terminal, and input a 65dB SSG signal. (Stereo modulation 100% (signal 90%, PL 10%)) 2. Set the stereo modulator to the L or R ch and adjust VR101 so that the maximum separation is obtained.
Dolby NR	VR301 and VR401	Insert a Dolby level test tape (400Hz-200nWb/m), connect the millivoltmeter to TP-L and TP-R, and adjust VR301 and VR401 to obtain an output of 300mV.

## ADJUSTMENT POINT



(NOTE) The part marked "\*" should be adjusted from parts side, and the other adjustment should be done from P.W.B. pattern side.

## ADJUSTMENT:

### < TAPE MECHANISM >

#### 1. AZIMUTH ADJUSTMENT

Play the 8kHz, -10VU section of the AZIMUTH tape and adjust the head azimuth adjustment screw (716-0429-00) so that the output levels are maximized in both tape running directions. (Figure 1)

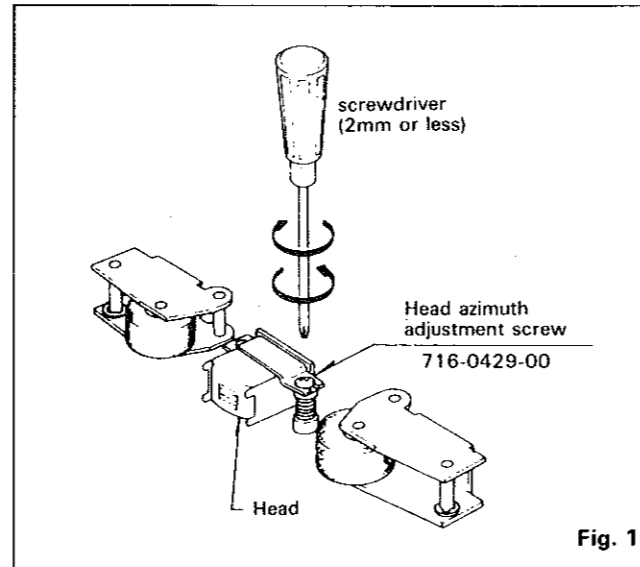


Fig. 1

#### 2. FF/REW GEAR ENGAGEMENT ADJUSTMENT

If any abnormal sound is heard during FF/REW operation, adjust gear engagement as follows.

First identify the gear causing the abnormal sound. Then, adjust projection of the reel base plate ass'y by bending it in an appropriate direction as shown in Fig. 2; (A) when the FF gear causes abnormal sound; (B) when the REW gear causes abnormal sound.

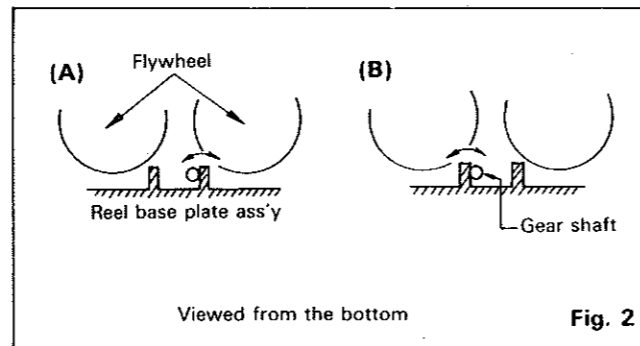


Fig. 2

#### 3. IDLER GEAR ENGAGEMENT ADJUSTMENT

If any abnormal sound is heard during PLAY operation, adjust gear engagement as follows. First identify the gear causing the abnormal sound. Then, adjust projection of the roller plate A ass'y by bending it in an appropriate direction as shown in Fig. 3; (A) when the FWD gear causes abnormal sound; (B) when the REV gear causes abnormal sound.

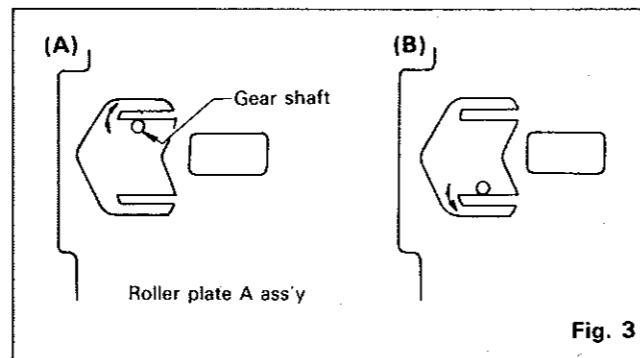


Fig. 3

#### 4. LEAF SWITCH POSITION ADJUSTMENT

When replacing the leaf switch, first remove P.W.B from the mechanism, remove the solder on the leaf switch, adjust the position of the leaf switch from the P.W.B switch position adjustment hole, and then solder the switch. (Figure 4)

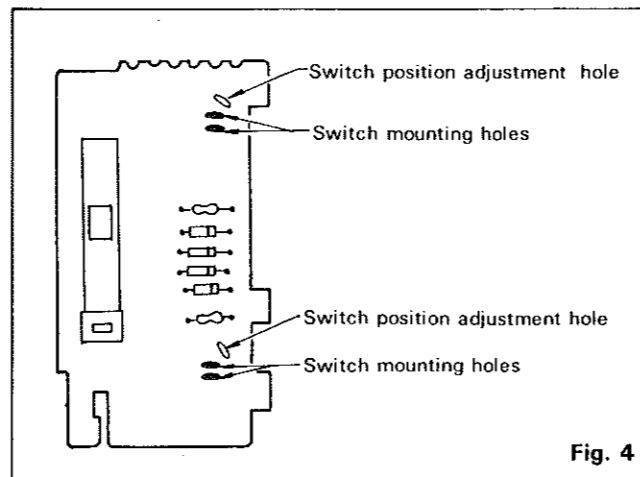


Fig. 4

## PARTS LIST:

©MAIN P.W.B/DOLBY P.W.B PU-9034A

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY	REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
D712	001-0170-00	Diode (MA1056M)	1	R109,718,719,721	111-2221-91	Film resistor (1/4Wss2.2kΩ)	4
Dx1	001-0170-03	Diode (MA1075M)	1	R117,203,730,x5	111-2231-91	Film resistor (1/4Wss2.2kΩ)	4
D601,603	001-0213-03	Diode (HZ9B1)	2	R716	111-2241-91	Film resistor (1/4Wss2.2kΩ)	1
D709	001-0322-48	Diode (05Z10X)	1	R107	111-2721-91	Film resistor (1/4Wss2.7kΩ)	1
101-105 201-203,301 D401,602 604-606 701-708,710 711,713,714,x2	001-0330-00	Diode (1SS119)	28	R205	111-2731-91	Film resistor (1/4Wss2.7kΩ)	1
Dx3	001-0333-31	Diode (MA2082B)	1	R120	111-3031-91	Film resistor (1/4Wss3.0kΩ)	1
IFT101	005-0844-01	IF-transformer	1	R101	111-3311-91	Film resistor (1/4Wss3.3kΩ)	1
L101,701	010-1180-00	Coil	2	R305,406	111-3321-91	Film resistor (1/4Wss3.3kΩ)	2
L201	010-2053-00	Coil	1	R114,x2	111-3331-91	Film resistor (1/4Wss3.3kΩ)	2
VR102	012-3808-05	Variable resistor (4.7kΩ)	1	R121,122,126,724	111-3921-91	Film resistor (1/4Wss3.9kΩ)	4
VR101	012-3808-06	Variable resistor (10kΩ)	1	Rx10	111-3931-91	Film resistor (1/4Wss3.9kΩ)	1
VR103	012-3808-08	Variable resistor (33kΩ)	1	R716	111-4711-91	Film resistor (1/4Wss4.7kΩ)	1
VR301,401	012-3808-09	Variable resistor (47kΩ)	2	R123,124,302,402	111-4721-91	Film resistor (1/4Wss4.7kΩ)	4
VR104	012-4101-16	Variable resistor (15kΩ)	1	R125,304,305,404	111-4731-91	Film resistor (1/4Wss4.7kΩ)	5
PL101	017-0321-01	Pilot lamp	1	R720	111-4791-88	Film resistor (1/4W4.7Ω)	1
CCT701	050-0077-05	Component circuit (22kΩx4)	1	R729	111-5611-91	Film resistor (1/4Wss5.6kΩ)	1
IC704	051-0281-01	IC (μPB553AC)	1	R105,112,115	111-5621-91	Film resistor (1/4Wss5.6kΩ)	3
IC702	051-0306-00	IC (TD62105P)	1	R103	111-5631-91	Film resistor (1/4Wss5.6kΩ)	1
IC703	051-0329-00	IC (TD62506P)	1	R501	111-5641-91	Film resistor (1/4Wss5.6kΩ)	1
IC101	051-0363-00	IC (LA1140)	1	R102,x4	111-6811-91	Film resistor (1/4Wss8.0kΩ)	2
IC103	051-0463-00	IC	1	R113	111-6821-91	Film resistor (1/4Wss8.8kΩ)	1
IC102	051-0467-00	IC	1	R110	111-8221-91	Film resistor (1/4Wss8.2kΩ)	1
ICx2	051-0523-00	IC (NR9200)	1	Rx7	114-1011-11	Film resistor (1W100Ω)	1
IC705	051-0562-00	IC (NJM7806A)	1	R714	114-2701-21	Film resistor (2W27Ω)	1
ICx1	051-0563-00	IC (BA3406L)	1	C303,403	141-3332-10	Polyester capacitor (50V0.033μF)	2
IC706	051-0564-00	IC (μPD1710G016)	1	C715,716	172-1042-20	Polyester capacitor (63V0.1μF)	2
IC701	051-0565-00	IC (M54562P)	1	C204	173-1042-10	Polyester capacitor (50V0.1μF)	1
IC501	051-0566-00	IC (AN6262)	1	C711	160-1012-05	Ceramic capacitor (100pF B)	1
X701	061-1037-00	Crystal (4.5MHz)	1	C105,301,401	160-1022-05	Ceramic capacitor (1000pF B)	3
Q703	102-1545-02	Transistor (2SC1545B)	1	C110	160-1512-05	Ceramic capacitor (150pF B)	1
Q202	102-2063-17	Transistor (2SC2063Q)	1	C712	160-2212-05	Ceramic capacitor (220pF B)	1
Q702	103-1020-69	Transistor (2SD1020THF)	1	C120	160-8212-05	Ceramic capacitor (820pF B)	1
Q601,603	103-1225-18	Transistor (2SD1225R)	2	C101-103,107 108,112,705,709 715,714	171-1033-06	Ceramic capacitor (25V0.01μF)	10
Q203,501,602,604 701,704,705	125-2001-00	Transistor (DTC124F)	12	C127	171-1533-06	Ceramic capacitor (25V0.015μF)	1
R125	032-0059-05	Film resistor (1/4Wss2.2kΩ)	1	C122,129,130,201 501	171-2233-06	Ceramic capacitor (25V0.022μF)	5
R106	032-0059-49	Film resistor (1/4Wss5.6kΩ)	1	C305,405	171-3333-06	Ceramic capacitor (25V0.033μF)	2
R721	032-0072-00	Film resistor (5W18Ω)	1	C104,502	171-4733-06	Ceramic capacitor (25V0.047μF)	2
R601,604,728	111-1001-91	Film resistor (1/4Wss10Ω)	3	C118	174-1000-13	Ceramic capacitor (10pF CH)	1
R708,709,710,711 712,713,723	111-1011-91	Film resistor (1/4Wss100Ω)	7	C702,703	174-2200-13	Ceramic capacitor (22pF CH)	2
R116,502,503,602 605	111-1021-91	Film resistor (1/4Wss1kΩ)	5	C126	174-2210-13	Ceramic capacitor (220pF CH)	1
111,119,125,202 603,607,608,609 715,717,722,725 726,727,x3	111-1031-91	Film resistor (1/4Wss10kΩ)	15	C605,707,708	179-1073-22	Electrolytic capacitor (10V100μF)	3
Rx1	111-1031-92	Film resistor (1/4Wss10kΩ)	1	C604,x6	179-1073-32	Electrolytic capacitor (16V100μF)	2
R201,301,401,723	111-1041-91	Film resistor (1/4Wss100kΩ)	4	Cx5	179-2273-22	Electrolytic capacitor (10V220μF)	1
R108,118	111-1231-91	Film resistor (1/4Wss1.2kΩ)	2	Cx1	179-3363-22	Electrolytic capacitor (10V33μF)	1
R605	111-1511-91	Film resistor (1/4Wss150Ω)	1	Cx2	179-4773-22	Electrolytic capacitor (10V470μF)	1
R204,x5	111-1531-91	Film resistor (1/4Wss15kΩ)	2	C704	179-4773-23	Electrolytic capacitor (10V470μF)	1
R104	111-1541-91	Film resistor (1/4Wss150kΩ)	1	C701	179-4773-33	Electrolytic capacitor (16V470μF)	1
R303,403 701-707	111-2201-91	Film resistor (1/4Wss22Ω)	9	C121	181-1063-32	Electrolytic capacitor (16V10μF LN)	1
				C116,119,123,302 306,307,402,406 407	182-1053-62	Electrolytic capacitor (50V1μF)	9
				C117	182-1056-62	Electrolytic capacitor (50V1μF NP)	1

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY	REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
C <sub>3x4</sub>	182-1063-32	Electrolytic capacitor (16V10 $\mu$ F)	2	C <sub>114</sub>	182-4756-32	Electrolytic capacitor (16V4.7 $\mu$ F NP)	1
C <sub>304,404</sub>	182-1073-02	Electrolytic capacitor (4V100 $\mu$ F)	2	C <sub>109,111,205,717</sub>	183-1053-62	Electrolytic capacitor (60V1 $\mu$ F)	4
C <sub>203</sub>	182-1073-22	Electrolytic capacitor (10V100 $\mu$ F)	1	C <sub>706</sub>	183-1063-32	Electrolytic capacitor (16V10 $\mu$ F)	1
C <sub>125</sub>	182-2243-62	Electrolytic capacitor (50V0.22 $\mu$ F)	1	C <sub>202,710</sub>	183-3353-62	Electrolytic capacitor (50V0.33 $\mu$ F)	2
C <sub>115</sub>	182-2246-62	Electrolytic capacitor (50V0.22 $\mu$ F NP)	1	C <sub>113</sub>	183-4743-62	Electrolytic capacitor (50V0.47 $\mu$ F)	1
C <sub>131</sub>	182-3363-22	Electrolytic capacitor (10V33 $\mu$ F)	1	C <sub>205,130,719</sub>	183-4753-52	Electrolytic capacitor (35V4.7 $\mu$ F)	3
C <sub>124,128</sub>	182-4743-62	Electrolytic capacitor (50V0.47 $\mu$ F)	2	C <sub>691,602,606,697,718</sub>	183-4763-32	Electrolytic capacitor (16V4.7 $\mu$ F)	5

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REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY	REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
D <sub>715</sub>	001-0276-01	Diode (S5277B)	1	C <sub>313,413</sub>	171-3323-06	Ceramic capacitor (25V0.0033 $\mu$ F)	2
IC <sub>401</sub>	051-0444-04	IC (TA7240AP)	1	C <sub>316,410</sub>	171-6823-06	Ceramic capacitor (25V0.0068 $\mu$ F)	2
IC <sub>301</sub>	051-0444-06	IC (TA7241AP)	1	C <sub>320,321,420,421</sub>	043-0122-00	Ceramic capacitor (12V0.3 $\mu$ F)	4
IC <sub>23</sub>	051-0524-00	IC	1	C <sub>322,422</sub>	043-0165-01	Ceramic capacitor (12V0.1 $\mu$ F)	2
Q <sub>301,401,1,2,3</sub>	102-3399-00	Transistor (2SC3399)	5	C <sub>324,424</sub>	173-1042-10	Polyester capacitor (50V0.1 $\mu$ F)	2
R <sub>311,9</sub>	111-1021-91	Film resistor (1/4Wss1k $\Omega$ )	2	C <sub>38</sub>	042-0246-01	Electrolytic capacitor (16V2200 $\mu$ F)	1
R <sub>411</sub>	111-1021-92	Film resistor (1/4Wss1k $\Omega$ )	1	C <sub>315,317,318,319,415,417,418,419</sub>	179-1073-22	Electrolytic capacitor (10V100 $\mu$ F)	8
R <sub>38,12,13</sub>	111-1031-91	Film resistor (1/4Wss10k $\Omega$ )	3	C <sub>316,416</sub>	179-4763-22	Electrolytic capacitor (10V4.7 $\mu$ F)	2
R <sub>307,308,407,408</sub>	111-1521-91	Film resistor (1/4Wss1.5k $\Omega$ )	4	C <sub>312,314,412,414</sub>	182-1063-62	Electrolytic capacitor (60V1 $\mu$ F)	4
R <sub>312,412</sub>	111-2201-91	Film resistor (1/4Wss2.2 $\Omega$ )	2	C <sub>308,408,9</sub>	182-1063-32	Electrolytic capacitor (16V10 $\mu$ F)	3
R <sub>313</sub>	111-2221-91	Film resistor (1/4Wss2.2k $\Omega$ )	1	C <sub>37</sub>	182-1073-32	Electrolytic capacitor (16V100 $\mu$ F)	1
R <sub>413</sub>	111-2221-92	Film resistor (1/4Wss2.2k $\Omega$ )	1	C <sub>323,423</sub>	182-2243-62	Electrolytic capacitor (50V0.22 $\mu$ F)	2
R <sub>314,414</sub>	111-4721-91	Film resistor (1/4Wss4.7k $\Omega$ )	2	C <sub>310</sub>	182-3363-22	Electrolytic capacitor (10V33 $\mu$ F)	1
R <sub>309,310,409,410</sub>	111-7511-91	Film resistor (1/4Wss750 $\Omega$ )	4	C <sub>309,311,409,411</sub>	182-4753-52	Electrolytic capacitor (35V4.7 $\mu$ F)	4

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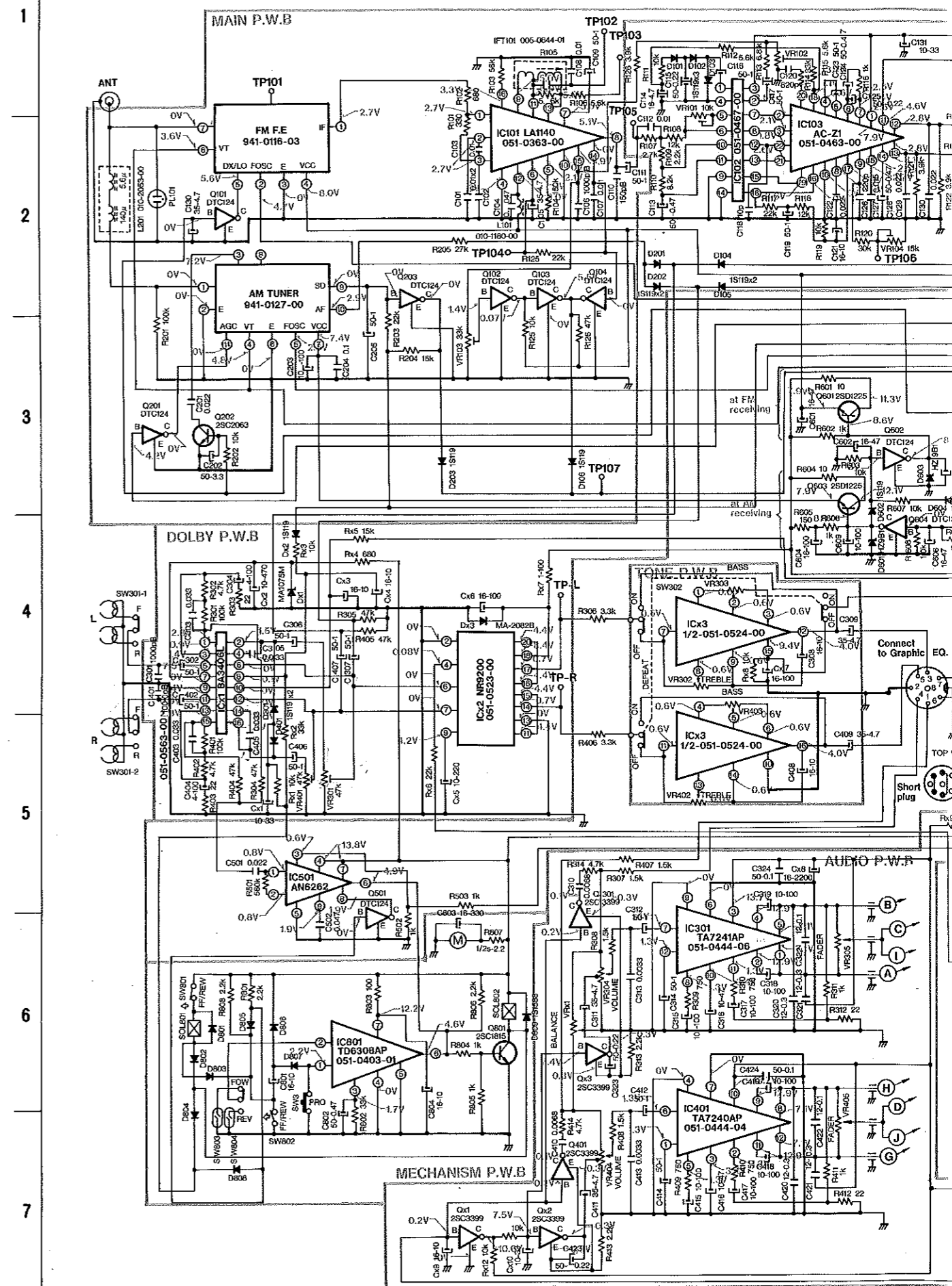
REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY	REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
D <sub>801-899</sub>	001-0112-00	Diode (1S1588)	9	R <sub>801,808</sub>	111-2221-71	Film resistor (1/2W2.2k $\Omega$ )	2
IC <sub>801</sub>	051-0403-01	IC (TD6308AP)	1	R <sub>807</sub>	111-2291-82	Film resistor (1/2W5.2k $\Omega$ )	1
Q <sub>801</sub>	102-1815-25	Transistor (2SC1815)	1	R <sub>802</sub>	111-3331-22	Film resistor (1/4W533k $\Omega$ )	1
R <sub>803</sub>	111-1011-22	Film resistor (1/4W100 $\Omega$ )	1	C <sub>803</sub>	179-3373-33	Electrolytic capacitor (16V330 $\mu$ F)	1
R <sub>804,805</sub>	111-1021-22	Film resistor (1/4W1k $\Omega$ )	2	C <sub>801,804</sub>	182-1063-32	Electrolytic capacitor (16V10 $\mu$ F)	2
R <sub>806</sub>	111-2221-22	Film resistor (1/4W2.2k $\Omega$ )	1	C <sub>802</sub>	182-4743-62	Electrolytic capacitor (50V0.47 $\mu$ F)	1

©Electrical section EU-328A

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY	REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
D <sub>1</sub>	001-0322-43	Diode	1	R <sub>301</sub>	114-2211-52	Film resistor (1W220 $\Omega$ )	1
VR <sub>1,2,3,4,5,6,7</sub>	012-3916-04	Variable resistor (100k $\Omega$ x2)	7	C <sub>108,117,208,217</sub>	141-1032-10	Polyester capacitor (50V0.01 $\mu$ F)	4
IC <sub>5</sub>	051-0267-00	IC (TC4066)	1	C <sub>401</sub>	141-1042-10	Polyester capacitor (50V0.1 $\mu$ F)	1
IC <sub>1,2,3,4</sub>	051-0287-50	IC (NJM2902N)	4	C <sub>106,206</sub>	141-2232-10	Polyester capacitor (50V0.022 $\mu$ F)	2
Q <sub>1</sub>	102-2655-25	Transistor (2SC2655)	1	C <sub>112,212</sub>	141-2722-10	Polyester capacitor (50V0.0027 $\mu$ F)	2
R <sub>302</sub>	111-1011-22	Film resistor (1/4W100 $\Omega$ )	1	C <sub>104,115,204,215</sub>	141-3332-10	Polyester capacitor (50V0.033 $\mu$ F)	4
R <sub>110,113,116,119,122,125,128,131,213,216,219,222,225,228</sub>	111-1021-71	Film resistor (1/4W1k $\Omega$ )	14	C <sub>110,210</sub>	141-4722-10	Polyester capacitor (50V0.0047 $\mu$ F)	2
R <sub>103,104,203,204,304,305</sub>	111-1031-22	Film resistor (1/4W10k $\Omega$ )	6	C <sub>118,218</sub>	141-8212-10	Polyester capacitor (50V820pF)	2
R <sub>127,227</sub>	111-1141-71	Film resistor (1/2W110k $\Omega$ )	2	C <sub>116,216</sub>	160-1812-05	Ceramic capacitor (180pF)	2
R <sub>105,205</sub>	111-1541-22	Film resistor (1/4W150k $\Omega$ )	2	C <sub>114,214</sub>	160-8212-05	Ceramic capacitor (820pF)	2
R <sub>101,201</sub>	111-2231-22	Film resistor (1/4W22k $\Omega$ )	2	C <sub>304</sub>	179-1083-23	Electrolytic capacitor (10V1000 $\mu$ F)	1
R <sub>313</sub>	111-2731-71	Film resistor (1/2W27k $\Omega$ )	1	C <sub>105,205</sub>	179-2253-62	Electrolytic capacitor (50V2.2 $\mu$ F)	2
R <sub>303</sub>	111-4711-22	Film resistor (1/4W4.7k $\Omega$ )	1	C <sub>109,209</sub>	179-2273-23	Electrolytic capacitor (10V220 $\mu$ F)	1
R <sub>102,106,202,206</sub>	111-5121-22	Film resistor (1/4W5.1k $\Omega$ )	4	C <sub>109,209</sub>	179-4743-62	Electrolytic capacitor (50V0.47 $\mu$ F)	2
R <sub>107,111,114,117,120,123,126,129,207,208,211,214,217,220,223,226,229</sub>	111-5621-22	Film resistor (1/4W5.6k $\Omega$ )	17	C <sub>101,103,201,203</sub>	180-1064-32	Electrolytic capacitor (16V10 $\mu$ F)	1
R <sub>108</sub>	111-5621-71	Film resistor (1/2W5.6k $\Omega$ )	1	C <sub>101,103,201,203</sub>	180-2254-62	Electrolytic capacitor (50V2.2 $\mu$ F)	4
R <sub>109,115,121,209,215,221</sub>	111-7531-71	Film resistor (1/2W75k $\Omega$ )	6	C <sub>102,202</sub>	180-4754-42	Electrolytic capacitor (25V4.7 $\mu$ F)	2
R <sub>112,118,212,218</sub>	111-8231-71	Film resistor (1/2W82k $\Omega$ )	4	C <sub>113,213</sub>	181-1043-62	Electrolytic capacitor (50V0.1 $\mu$ F LN)	2
R <sub>124,224</sub>	111-9131-71	Film resistor (1/2W91k $\Omega$ )	2	C <sub>111,211</sub>	181-2243-62	Electrolytic capacitor (50V0.22 $\mu$ F LN)	2
				C <sub>107,207</sub>	181-6843-62	Electrolytic capacitor (50V0.68 $\mu$ F LN)	2

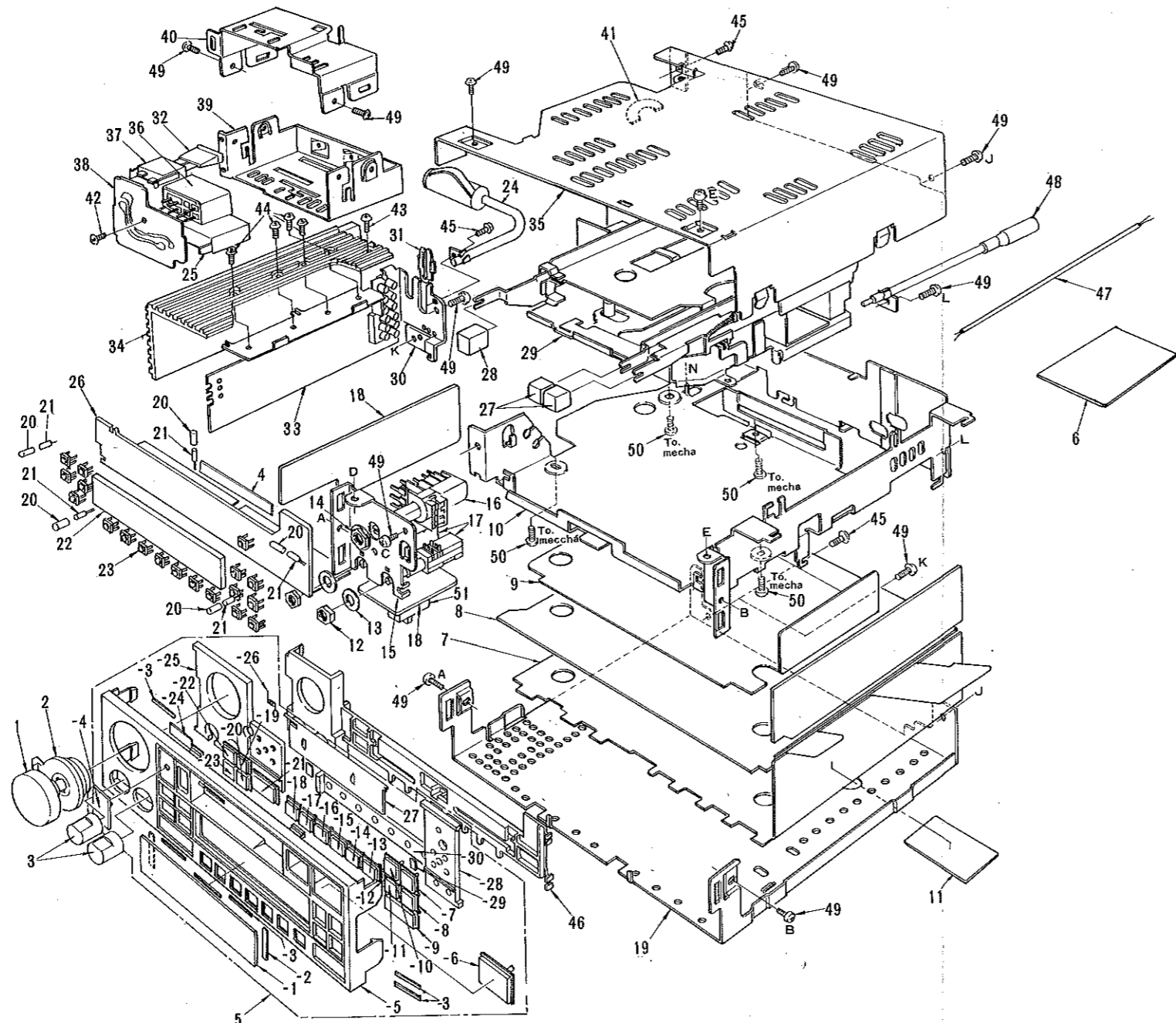
■CIRCUIT DIAGRAM:

©PU-9034A



# EXPLODED VIEW • PARTS LIST:

©Main section PU-9034A



REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
1	380-4293-02	Knob (VOL)	1
2	380-4295-00	Knob (FAD)	1
3	380-4294-02	Knob (BASS, TREB)	2
4	347-0607-00	Insulator	1
5	940-2736-00	Escutcheon ass'y	1
5-1	373-0364-07	Dial cover	1
5-2	347-0645-00	Adhesive paper	2
5-3	347-0815-00	Adhesive paper	6
5-4	378-0088-02	Badge	1
5-5	370-3561-06	Escutcheon	1
5-6	382-0508-02	Button (PRO)	1

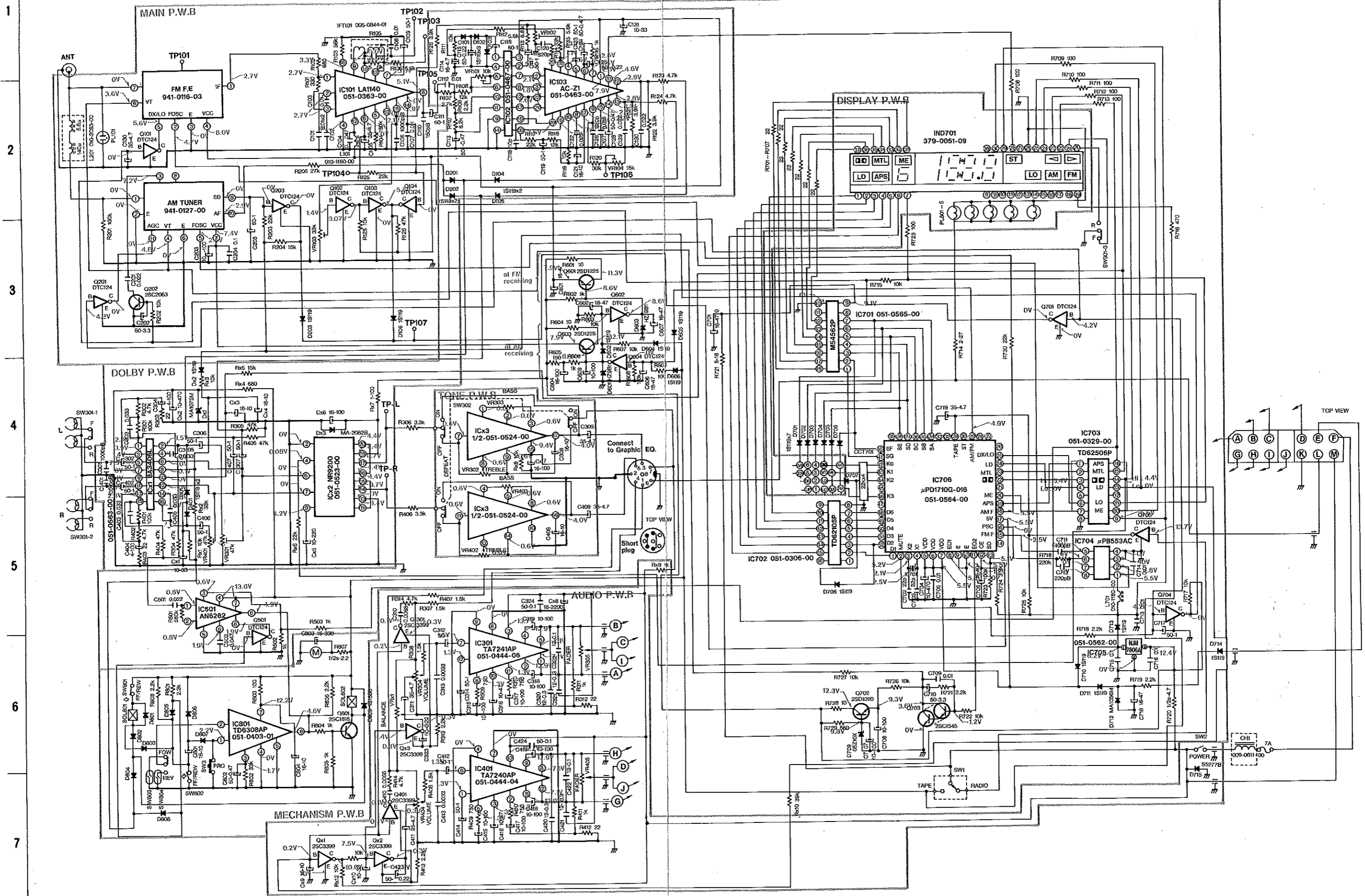
REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
5-7	382-0587-09	Button (FM)	1
5-8	382-0587-01	Button (CLK)	1
5-9	382-0511-02	Button (< >)	1
5-10	382-0587-08	Button (AM)	1
5-11	382-0587-10	Button (LO)	1
5-12	382-0510-07	Button (M)	1
5-13	382-0510-13	Button (6)	1
5-14	382-0510-12	Button (5)	1
5-15	382-0510-11	Button (4)	1
5-16	382-0510-10	Button (3)	1
5-17	382-0510-09	Button (2)	1

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
5-18	382-0510-08	Button (1)	1
5-19	382-0587-07	Button (MTL)	1
5-20	382-0587-03	Button (APC)	1
5-21	382-0511-03	Button (> >)	1
5-22	382-0587-04	Button (J)	1
5-23	382-0587-02	Button (LD)	1
5-24	347-0872-00	Adhesive paper	1
5-25	371-3078-02	Trim plate	1
5-26	750-2309-01	Spring	1
5-27	320-0326-30	Dustproof cover	1
5-28	371-3077-02	Trim plate	1

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
5-29	347-0772-00	Adhesive paper	2
5-30	371-3079-02	Trim plate	1
6	285-1096-00	Guide label	1
7	347-1244-01	Insulator	1
8	099-6946-00	P.W.B	1
9	347-1217-01	Insulator	1
10	312-0231-02	Chassis	1
11	286-5223-00	Set plate	1
12	722-0332-00	Hex-nut	2
13	745-0560-00	Flat washer	2
14	722-0417-00	Nut	1
15	330-7674-01	VR bracket	1
16	012-4068-00	Variable resistor (VOL)	1
17	012-4070-00	Variable resistor (BASS, TREB)	2
18	099-6947-00	P.W.B	1
19	304-0357-02	Lower cover	1
20	345-3619-01	P.L cap	5
21	017-0338-06	Pilot lamp	5
22	379-0051-09	Indicator	1
23	013-3694-00	Switch	19
24	852-7822-00	Extension lead	1
25	009-0611-00	Choke	1
26	099-6948-00	P.W.B	1
27	382-0506-01	Button (◀)	2
28	382-0505-01	Button (↖)	1
29	930-0514-00	Tape mechanism	1
30	944-0650-02	Filter ass'y	1
31	335-0818-00	Lead holder	1
32	060-0057-05	Auto fuse (7.5A)	1
33	347-1359-00	Insulator	1
34	313-1184-00	Heat sink	1
35	310-1125-03	Upper case	1
36	074-0723-00	Outlet socket	1
37	077-0082-00	Fuse receptacle	1
38	099-6949-00	P.W.B	1
39	330-7871-00	Socket holder	1
40	330-7872-00	Socket holder	1
41	345-3826-00	Spacer	1
42	700-3006-81	Tap screw (M3x6)	1
43	714-3006-89	Machine screw (M3x6)	1
44	714-3010-89	Machine screw (M3x10)	4
45	731-3005-80	Tap tight (M3x5)	3
46	374-0833-02	Back plate	1
47	815-2061-00	Head lead wire	1
48	092-0522-06	Antenna receptacle	1
49	731-3006-80	Tap tight (M3x6)	12
50	714-3003-81	Machine screw (M3x3)	4
51	013-3718-00	Switch (DEFEAT)	1

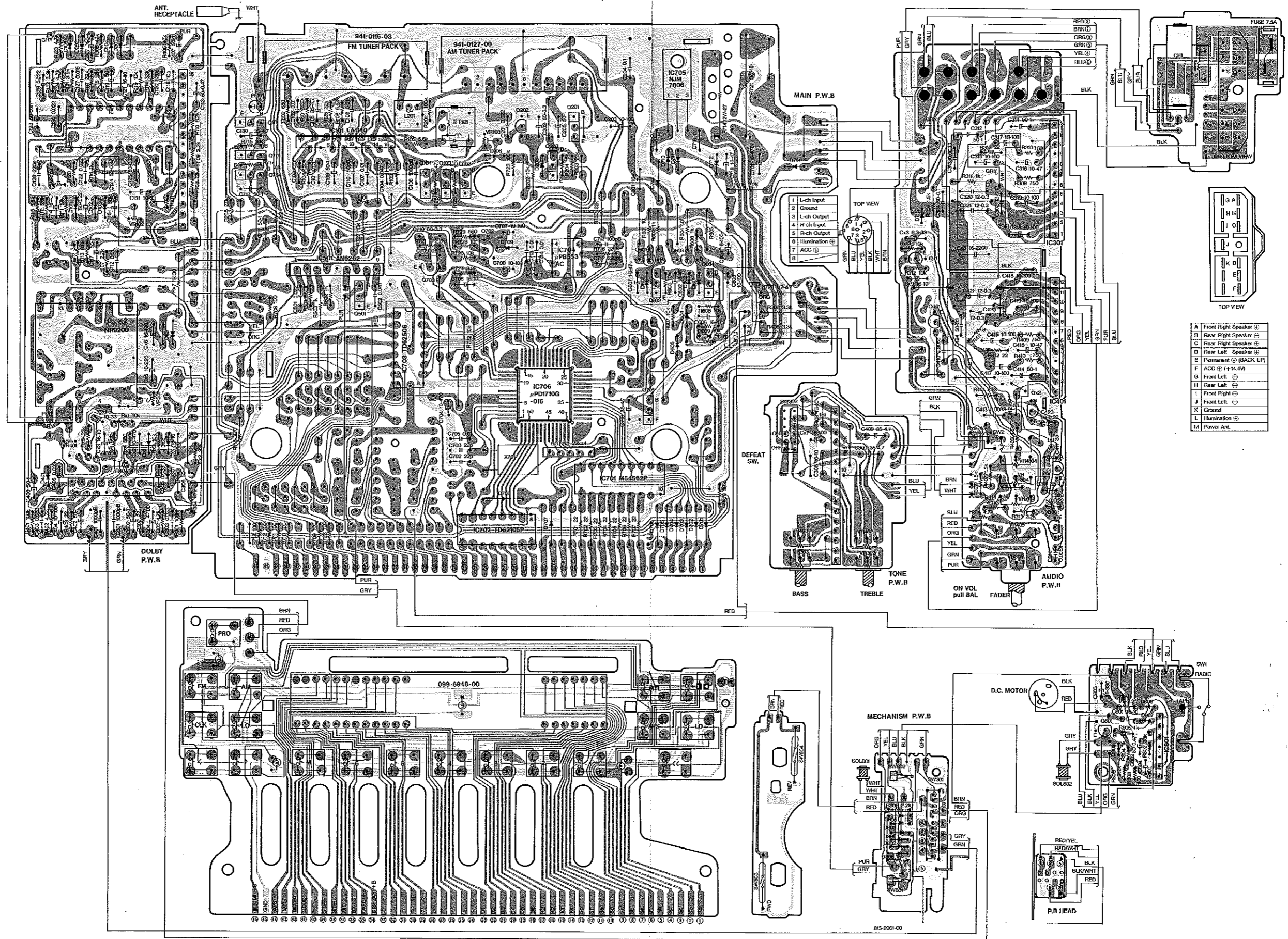
# CIRCUIT DIAGRAM:

©PU-9034A



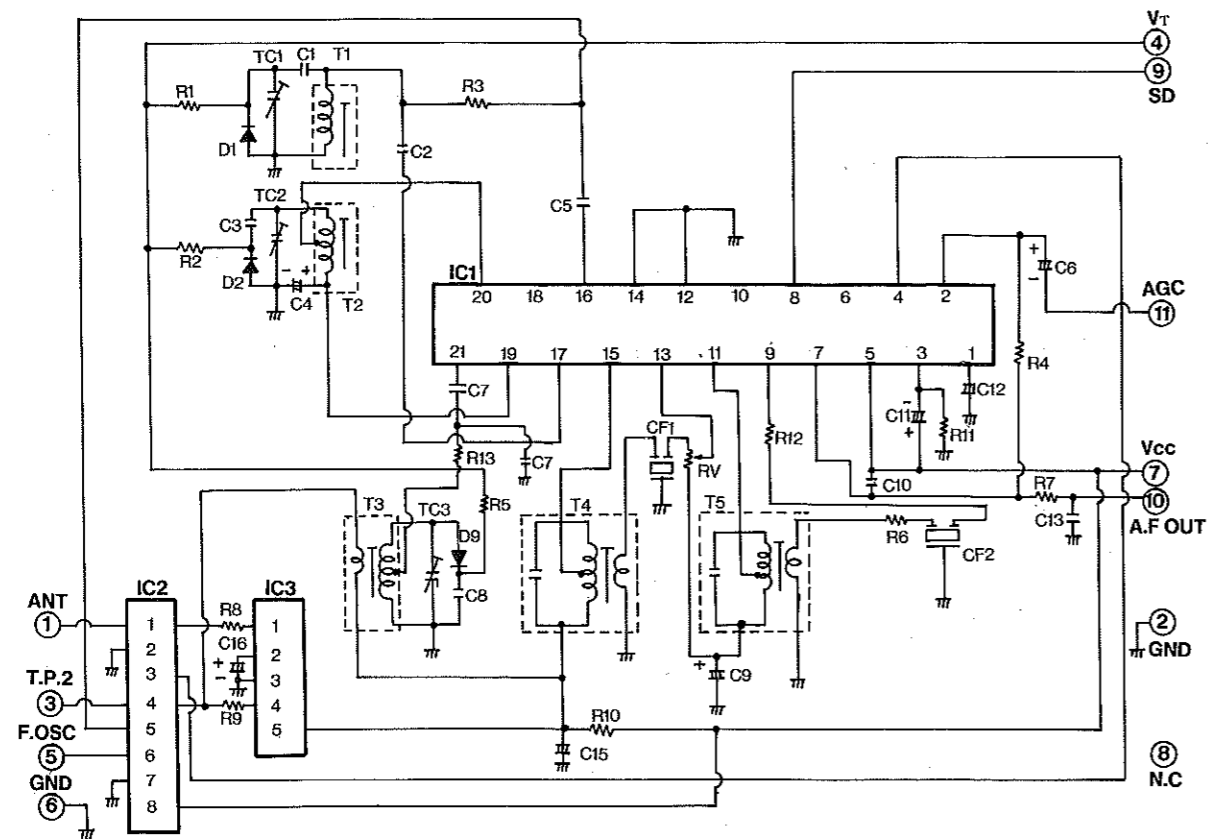
**PRINTED WIRING BOARD:**

©PU-9034A

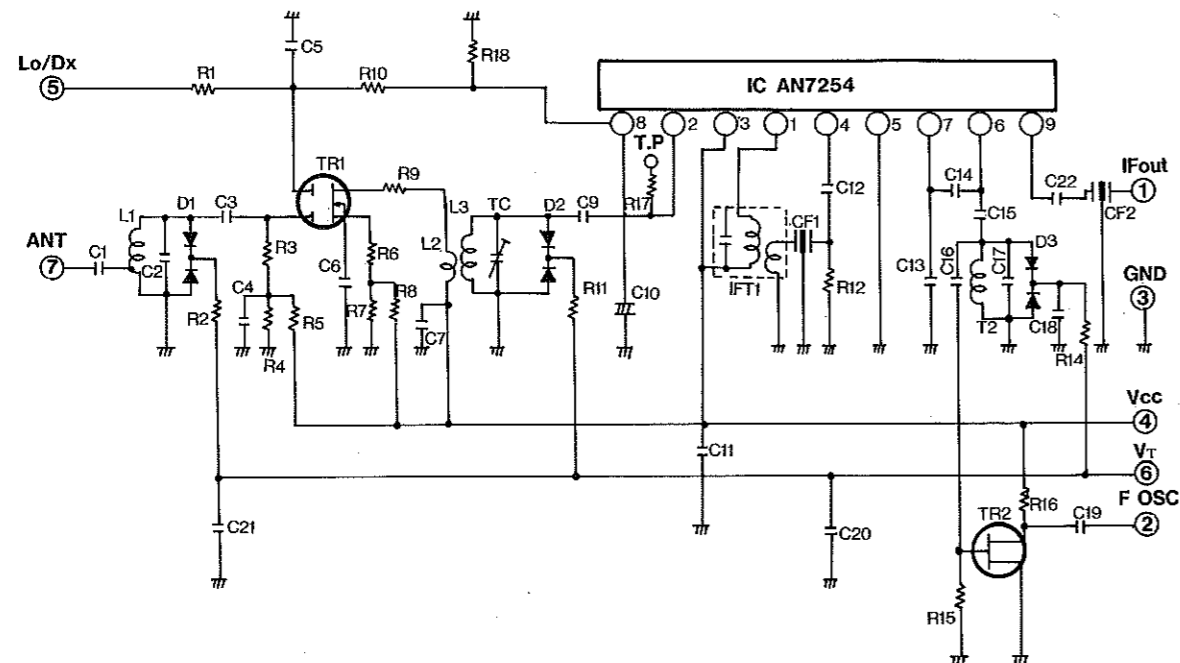


## TUNER PACK:

### ● AM TUNER

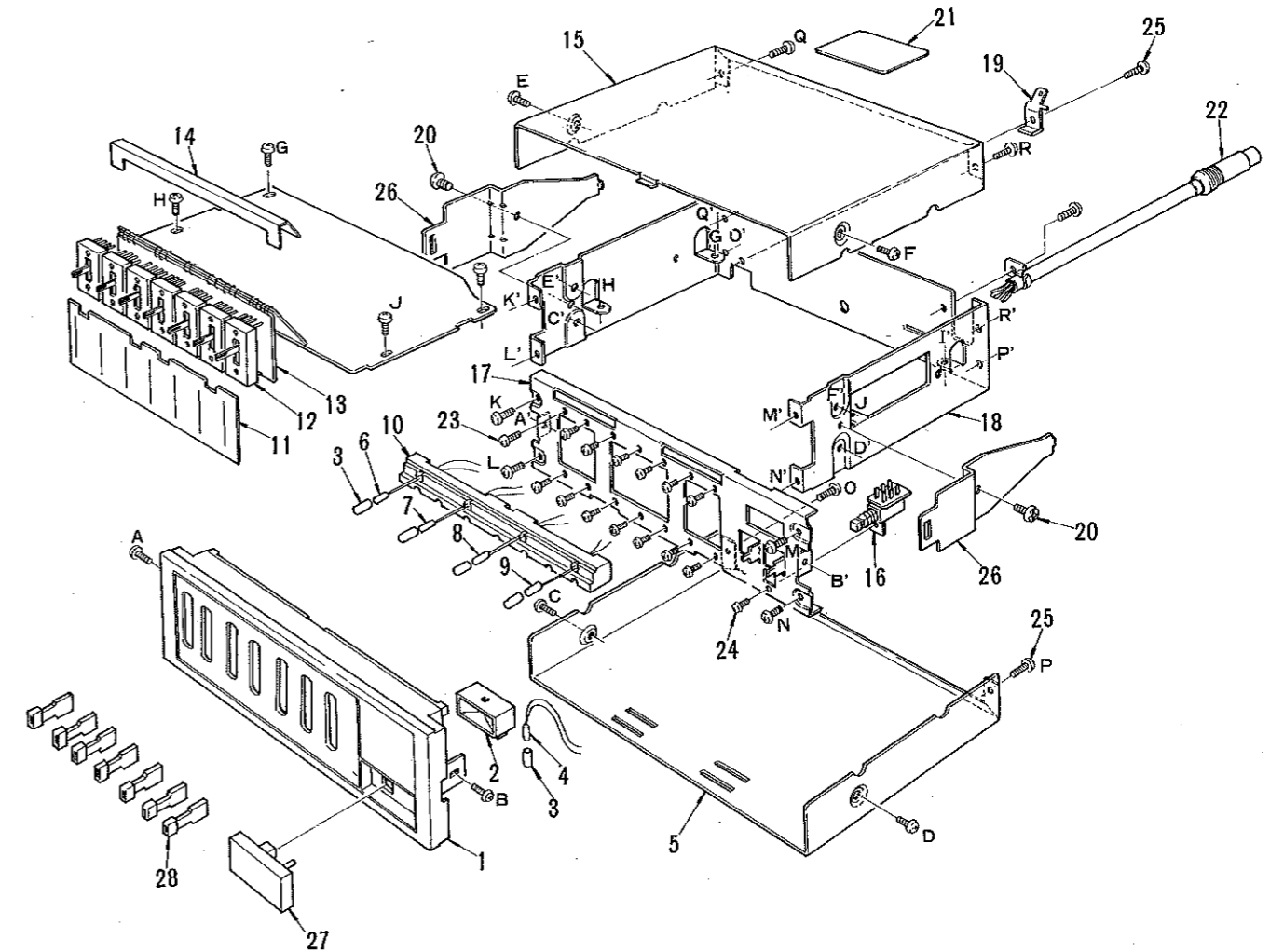


### ● FM TUNER



## EXPLODED VIEW • PARTS LIST:

◎Main section EU-328A

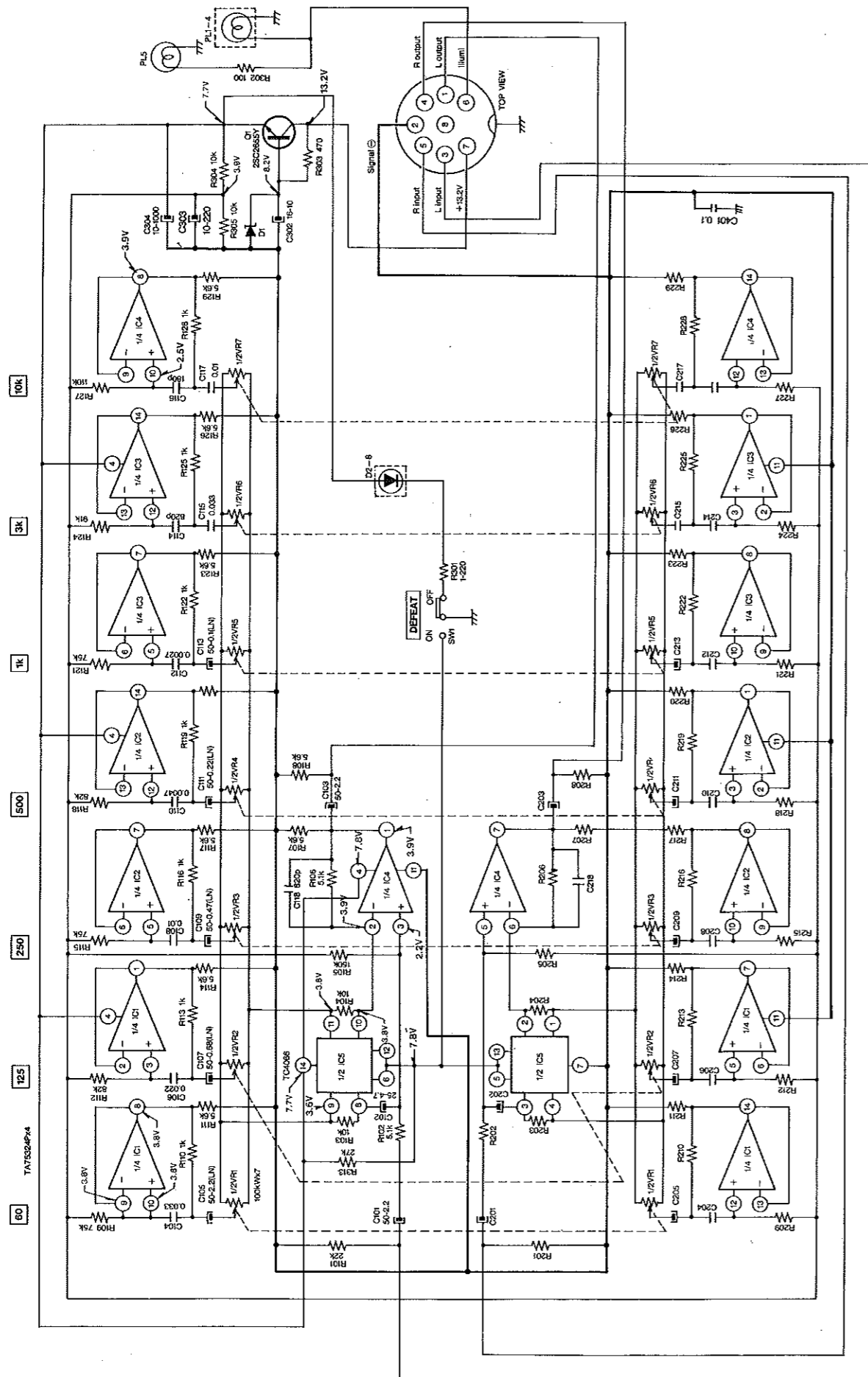


REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY	REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
1	940-2737-00	Escutcheon ass'y	1	15	310-1063-02	Upper case	1
2	345-3793-00	P.L holder	1	16	013-3346-02	Switch (DEFEAT)	1
3	345-2671-01	P.L cap	5	17	309-0491-01	Front plate	1
4	017-0345-15	Pilot lamp	1	18	307-0349-00	Rear cover	1
5	310-1063-03	Upper case	1	19	330-7706-01	Plate	1
6	017-0345-10	Pilot lamp	1	20	716-0417-00	Screw...	2
7	017-0345-03	Pilot lamp	1	21	286-5230-00	Set plate	1
8	017-0345-02	Pilot lamp	1	22	852-7182-01	Extension lead	1
9	017-0345-11	Pilot lamp	1	23	714-2003-11	Machine screw (M2x3)	14
10	345-3438-01	P.L holder	1	24	714-2604-81	Machine screw (M2.6x4)	1
11	353-0180-00	Shade	1	25	731-3006-80	Tap tight (M3x6)	20
12	012-3916-04	Variable resistor	7	26	300-6860-00	Mounting bracket	2
13	099-6526-02	P.W.B	1	27	382-0605-00	Button (DEFEAT)	1
14	347-1058-00	Insulator	1	28	380-4215-00	Knob	7



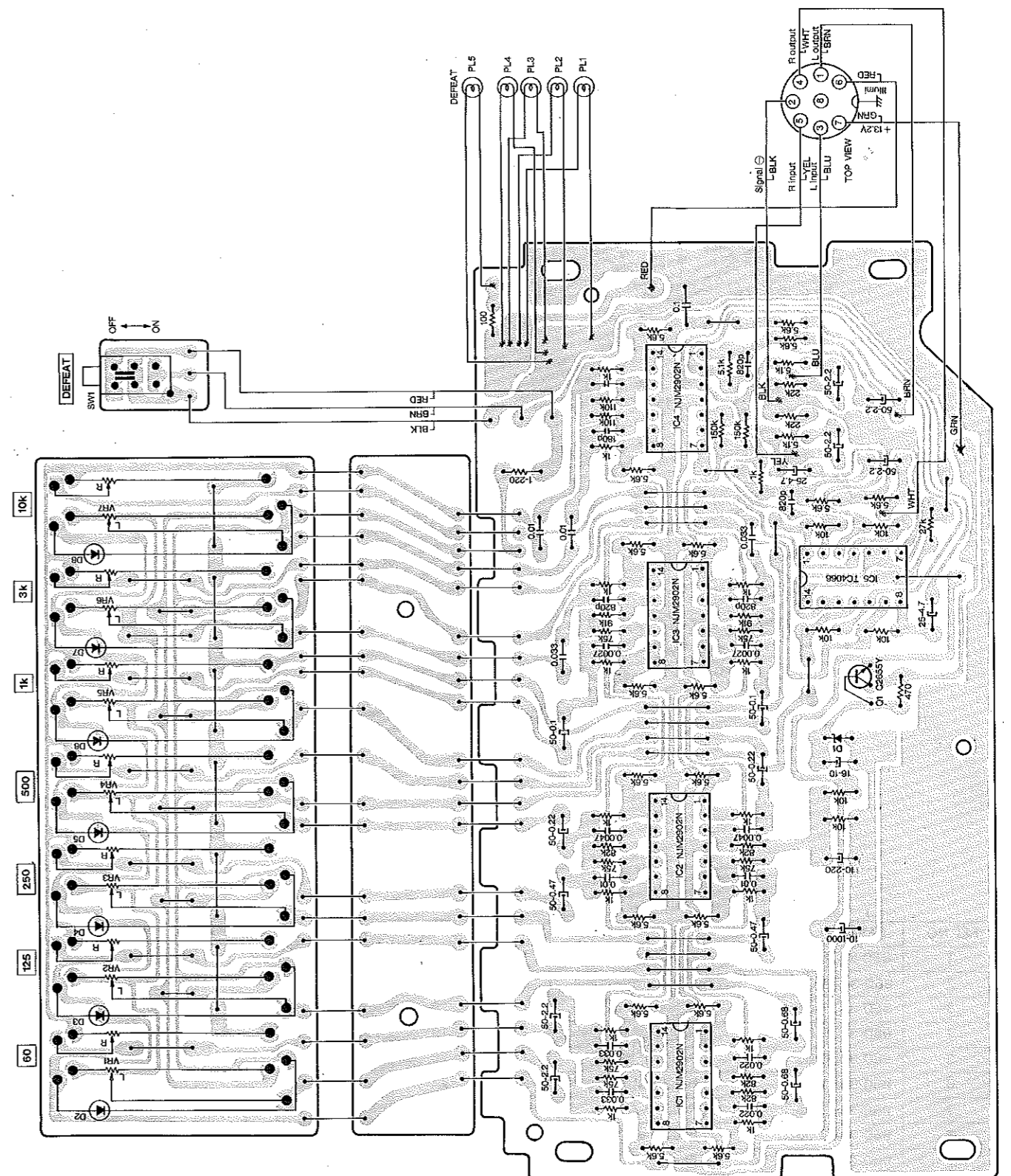
**CIRCUIT DIAGRAM:**

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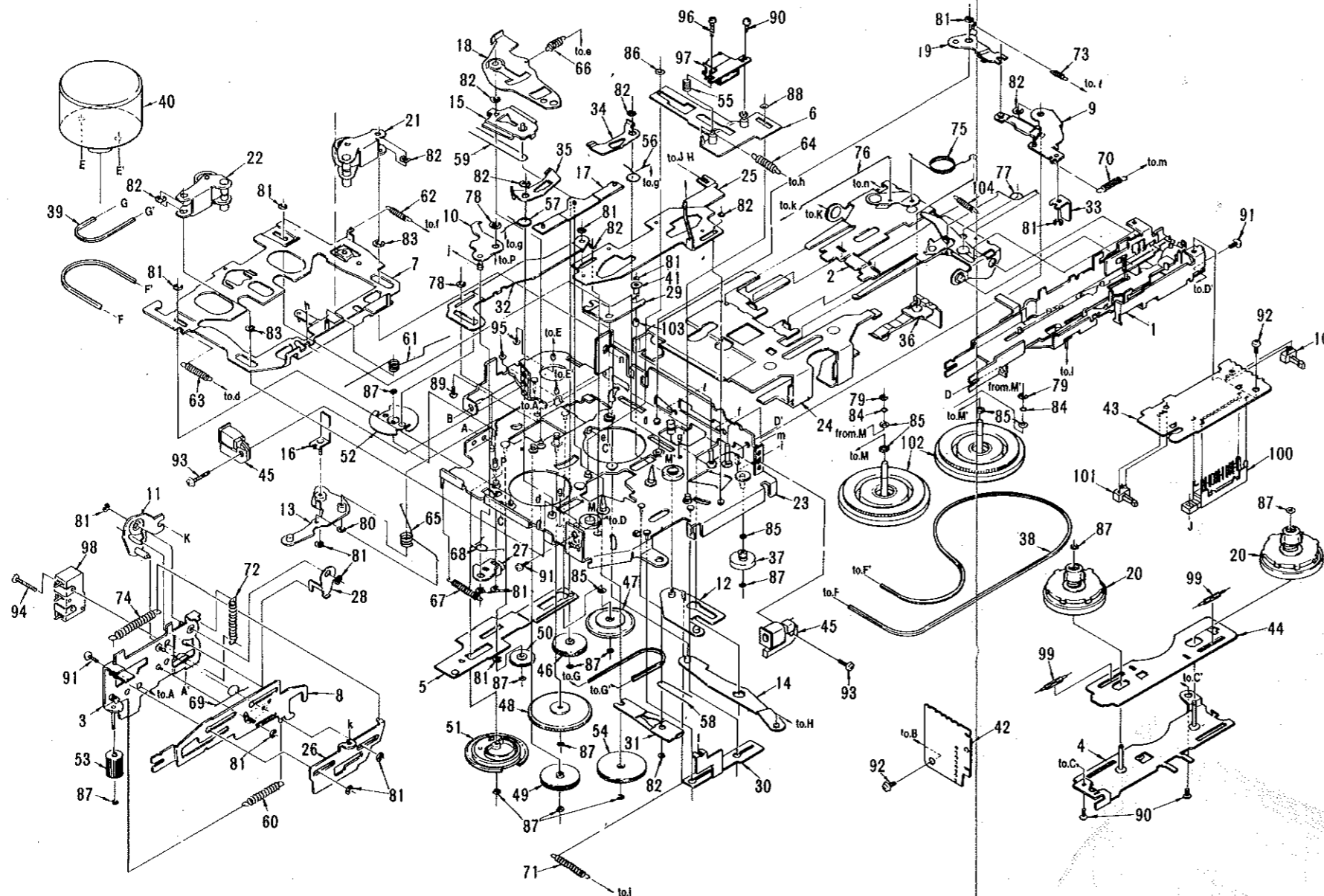
**PRINTED WIRING BOARD:**

©EU-328A



# EXPLODED VIEW - PARTS LIST:

©Tape mechanism section PU-9034A



REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
46	613-0044-01	Idler gear	1
47	613-0045-00	Pulley gear	1
48	613-0046-01	Gear A	1
49	613-0047-01	Gear B	1
50	613-0048-01	Gear C	1
51	613-0049-03	Cam gear	1
52	613-0050-02	Channel-C-gear	1
53	613-0051-00	Gear	1
54	613-0052-02	FF gear	1
55	750-1910-00	Azimuth spring	1
56	750-2278-02	Brake-F-spring	1
57	750-2279-02	Brake-R-spring	1
58	750-2281-01	FF-U-spring	1
59	750-2282-03	Idler-U-spring	1
60	750-2283-00	EJ-lever spring	1
61	750-2284-01	P-roller spring	1
62	750-2286-00	Roll-P-A-spring	1
63	750-2287-00	Roll-P-B-spring	1
64	750-2288-00	Head-P-spring	1
65	750-2291-01	Cam-G-spring	1
66	750-2292-00	Head-L-spring	1
67	750-2293-00	Change-G-spring	1
68	750-2294-01	Timing-P-spring	1
69	750-2295-01	Hook arm spring	1
70	750-2296-00	Plunger-P-spring	1
71	750-2297-01	P-sub spring	1
72	750-2298-00	E-link spring	1
73	750-2299-00	P-lock spring	1
74	750-2300-02	E-plate spring	1
75	750-2301-03	Slot in spring	1
76	750-2302-00	Rod spring	1
77	750-2320-00	E-lock spring	1
78	744-0018-01	E-ring	2
79	744-0022-00	E-ring	2
80	743-1200-10	E-ring	1
81	743-1500-10	E-ring	15
82	743-2000-10	E-ring	9
83	743-2500-10	E-ring	2
84	745-0645-00	Washer	2
85	746-0617-00	Washer	6
86	746-0622-01	Washer	1
87	746-0628-01	Washer	12
88	746-0717-01	Washer	1
89	732-2604-11	Sems screw (M2.6x4)	1
90	714-2003-81	Machine screw (M2x3)	3
91	714-2603-81	Machine screw (M2.6x3)	3
92	714-2604-81	Machine screw (M2.6x4)	2
93	714-2606-11	Machine screw (M2.6x6)	2
94	714-2308-81	Machine screw (M2.3x8)	1
95	716-0347-00	Screw	2
96	716-0429-00	Screw	1
97	011-0285-00	Head	1
98	013-3580-00	Switch	1
99	013-3601-00	Switch	2
100	013-3666-00	Switch	1
101	013-3687-00	Switch	2
102	611-0067-00	Fly wheel	2
103	610-0259-00	P-roller B	1
104	750-2369-00	Kick plate spring	1

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
1	960-3475-03	Frame sub ass'y	1
2	960-3476-04	Guide arm ass'y	1
3	960-3477-01	Side panel ass'y	1
4	960-3479-01	Reel base-P ass'y	1
5	960-3480-03	Power-P ass'y	1
6	960-3481-01	Head plate ass'y	1
7	960-3482-05	Roller-P-A ass'y	1
8	960-3483-03	E-lever ass'y	1
9	960-3484-00	Plunger-P ass'y	1
10	960-3487-02	C-gear-L-P ass'y	1
11	960-3488-02	Eject link ass'y	1
12	960-3490-03	P-sub-P ass'y	1
13	960-3492-03	Cam-G-L-P ass'y	1
14	960-3493-02	Change arm ass'y	1
15	960-3494-02	Idler-P ass'y	1

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
16	960-3495-00	H-piece-B ass'y	1
17	960-3496-02	FF gear-P ass'y	1
18	960-3497-01	H-P-lock-P ass'y	1
19	960-3498-01	Hold plate ass'y	1
20	960-3499-01	Reel base ass'y	2
21	960-3500-01	Roller-F ass'y	1
22	960-3501-01	Roller-R ass'y	1
23	960-3504-04	Deck plate ass'y	1
24	606-0077-04	Pack guide	1
25	630-1576-02	Change plate	1
26	630-1579-00	Eject plate	1
27	960-3561-00	Timing plate ass'y	1
28	630-1581-01	Switch plate	1
29	630-1582-01	Power line	1
30	630-1583-00	FF plate	1

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
31	630-1584-01	FF gear arm	1
32	630-1585-00	Idler-C-plate	1
33	630-1586-00	Holding piece A	1
34	630-1587-00	Brake plate-F	1
35	630-1588-00	Brake plate-R	1
36	631-0412-03	Pack stopper	1
37	631-0370-01	Tension pulley	1
38	602-0079-00	Belt	1
39	602-0080-00	Belt	1
40	960-3532-00	Motor ass'y	1
41	610-0242-01	P-roller	1
42	099-6704-01	P.W.B	1
43	099-6703-01	P.W.B	1
44	099-6702-01	P.W.B	1
45	015-0232-00	Plunger	2