

NATIONAL**Model CQ-7300**

General Description: An A.M./F.M. stereo car radio with automatic reversing stereo cassette recorder. A DIN socket is provided for the connection of auxiliaries.

Battery Supply: 11-16V (Negative Chassis).

Current Consumption: 0·8A at 0·5W output (Radio); 0·7A at 0·5W output (cassette).

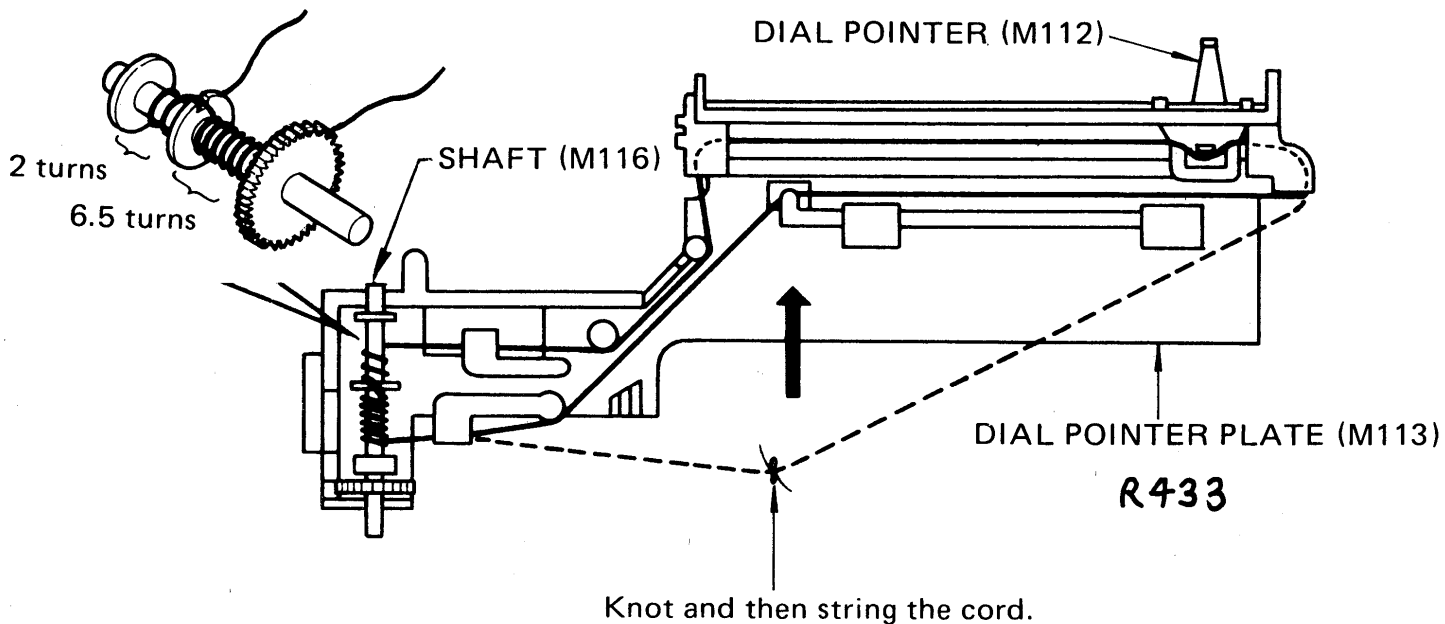
Wavebands: L.W. 150-290kHz; M.W. 515-1,620kHz; F.M. 87·5-104MHz.

Loudspeakers: 4-8Ω impedance.

Dismantling: Prise the upper cover off with a screwdriver against the lug provided. The front escutcheon assembly is held by two screws and plastic side clips. Turn through 90° to detach the front bracket.

Semiconductor Voltages:

Pin No	Voltage	Pin no.	Voltage	Pin no.	Voltage
	IC151		IC171		IC251, 351
1.	5·0V	1.	10·5V	1.	6·4V
2.	1·8V	2.	3·3V	2.	0V
3.	1·8V	3.	2·4V	3.	1·4V
4.	0V	4.	0V	4.	10·5V
5.	11·0V	5.	3·7V	5.	6·0V
6.	2·8V	6.	11·5V	6.	0V
7.	11·0V	7.	0V	7.	6·0V
	IC601	8.	0·3V	8.	7·0V
1.	3·2V	9.	0V	9.	12·0V
2.	3·2V	10.	1·7V	10.	12·5V
3.	3·5V	11.	1·7V	11.	13·0V
4.	3·5V	12.	1·5V		IC1
5.	3·5V	13.	1·7V	1.	1·7V
6.	2·2V	14.	1·7V	2.	1·7V
7.	1·4V	15.	1·7V	4.	1·7V
8.	0·7V	16.	2·6V	5.	3·8V
9.	10·5V		IC200	6.	12·0
10.	10·5V	1.	1·3V	7.	12·7V
11.	0·1	2.	0·7V	8.	0V
12.	10·0V	3.	3·6V	9,12·8V	
13.	10·5V	4.	7·9V	10.	0·2V
14.	2·6V	5.	0V	11.	0·1V
15.	2·6V	6.	3·6V	12.	13·0V
16.	1·9V	7.	0·7V	13.	13·0V
		8.	1·3V		

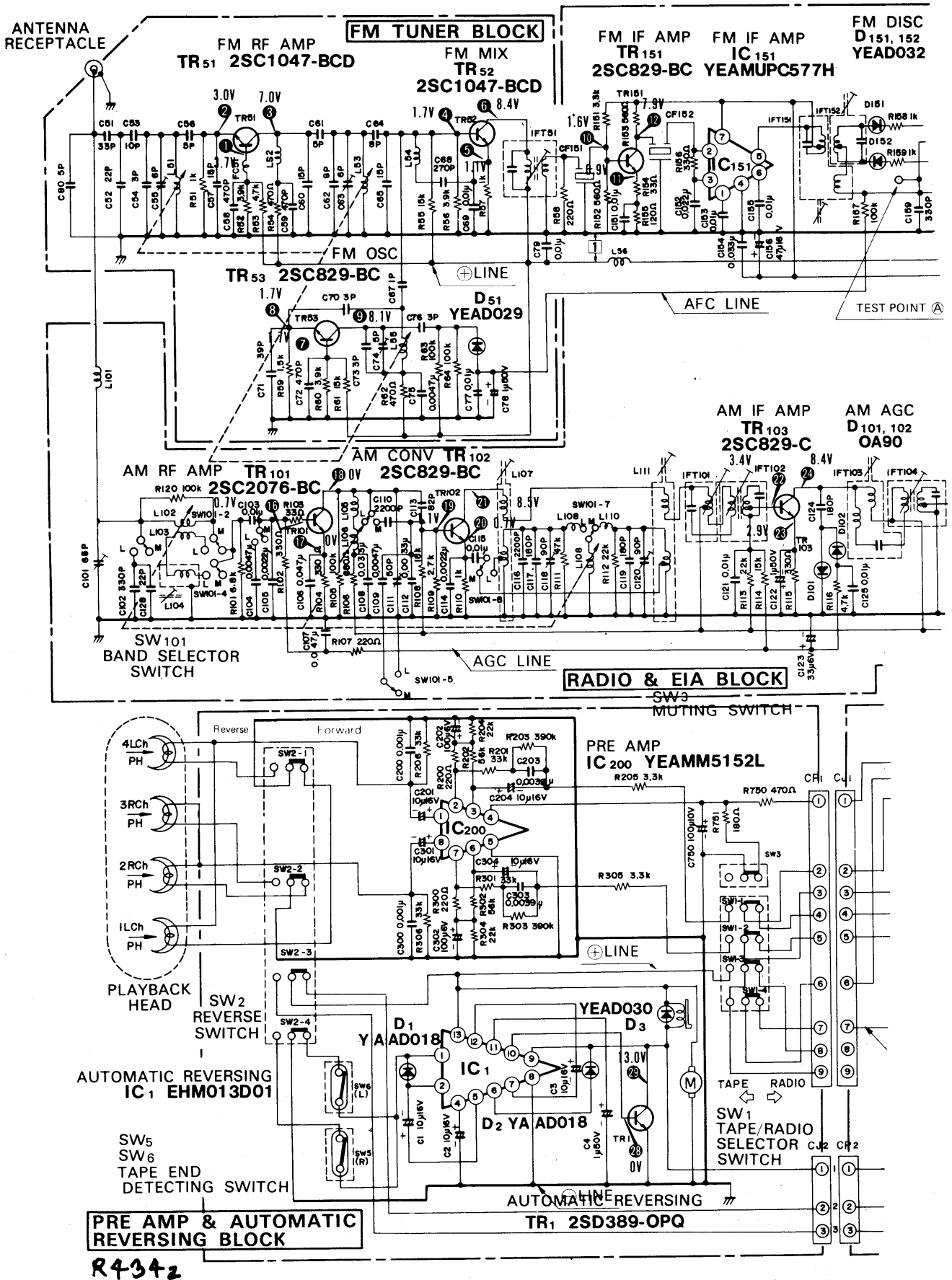


(R433) DRIVE CORD — MODEL CQ-7300ENG

Circuit Voltages:

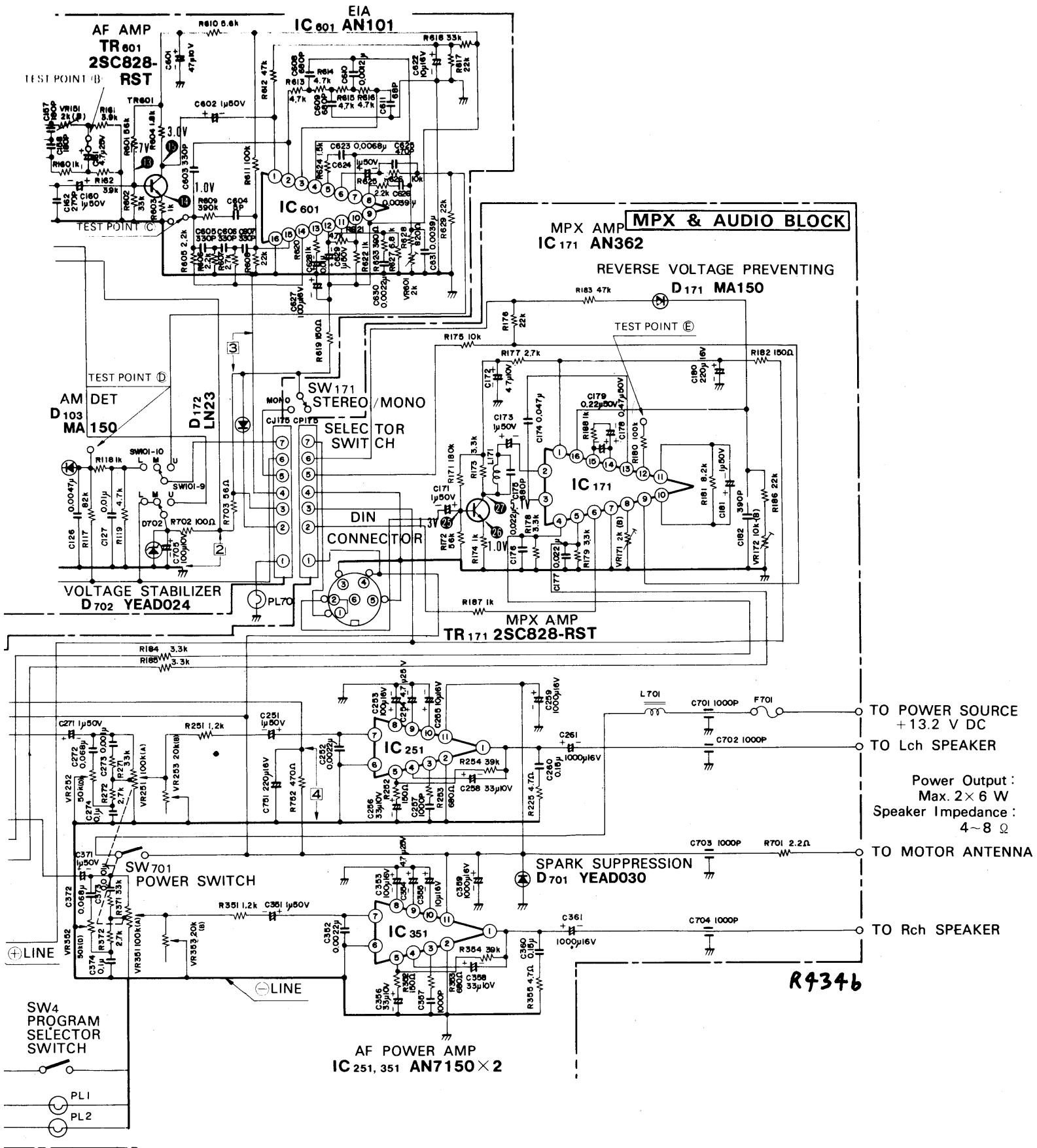
<i>Pin no.</i>	<i>Voltage</i>	<i>Pin no.</i>	<i>Voltage</i>	<i>Pin no.</i>	<i>Voltage</i>
1.	3.7V	10.	1.6V	20.	0.7V
2.	3.0V	11.	0.9V	21.	8.5V
3.	7.0V	12.	7.9V	22.	3.4V
4.	1.7V	13.	1.7V	23.	2.9V
5.	1.1V	14.	1.0V	24.	8.4V
6.	8.4V	15.	3.0V	25.	1.3V
7.	1.7V	16.	0.7V	26.	1.0V
8.	1.1V	17.	0V	27.	5.1V
9.	8.1V	18.	0V	28.	0V
		19.	1.1V	29.	13.0V

RADIO SERVICING



R4342

(R434a) CIRCUIT DIAGRAM - MODEL CQ-7300 ENG. (Part)



(R434b) CIRCUIT DIAGRAM - MODEL CQ-7300 ENG. (Continued)