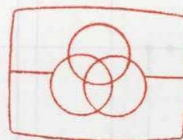


# WM-702/F702

## SONY SERVICE MANUAL



Free service manuals  
Gratis schema's  
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*US Model*  
*Canadian Model*

WM-F702

*AEP Model*  
*UK Model*  
*E Model*

WM-702  
WM-F702

## SUPPLEMENT-1

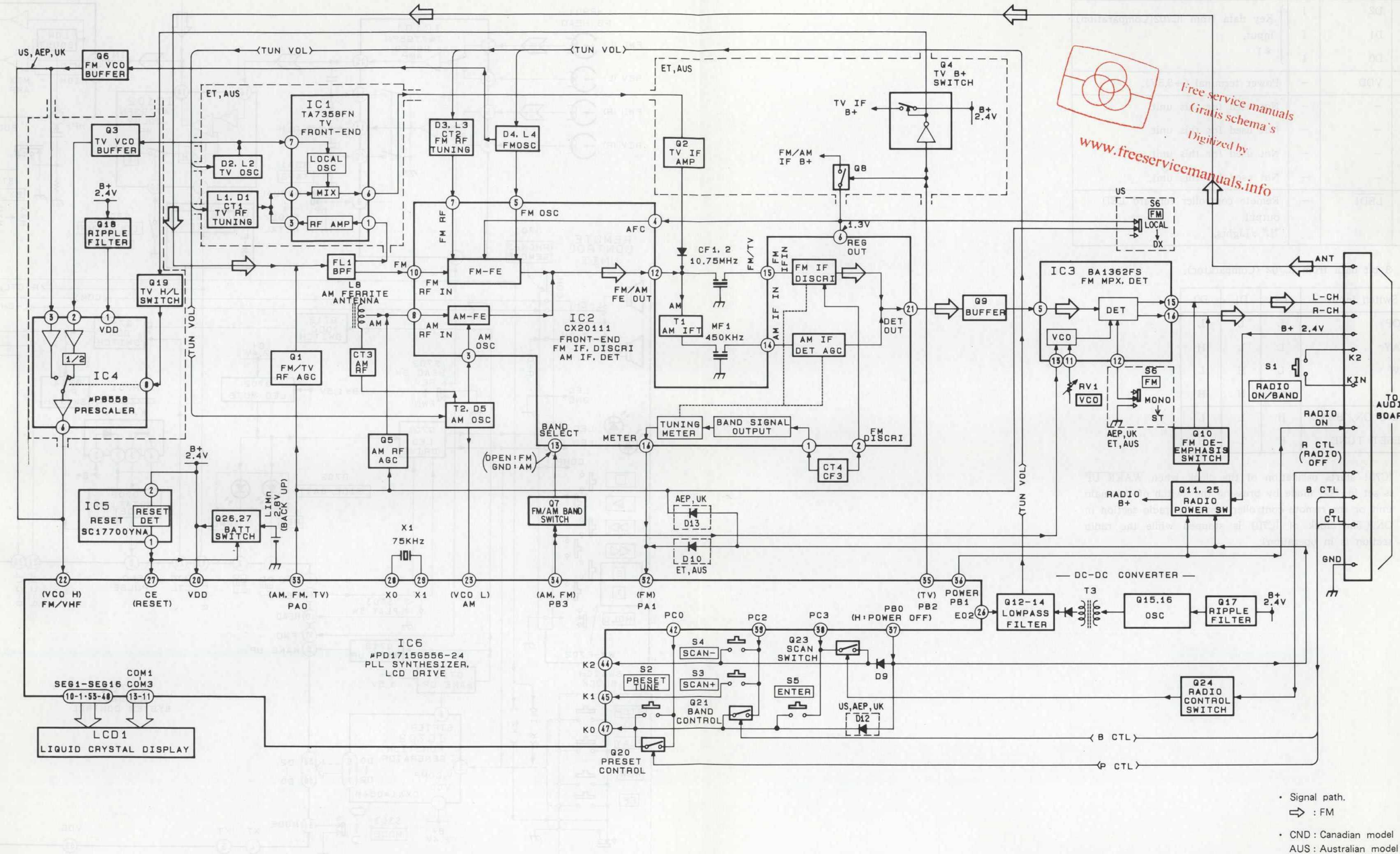
File this Supplement with the Service Manual.

1. Radio Section Block diagram
2. Correction
3. IC Terminals
4. Cassette Section Block Diagram

Sorry, this is all.



1. RADIO SECTION BLOCK DIAGRAM



2. CORRECTION

Please correct your service manual.

✂ : corrected portion

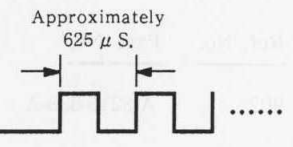
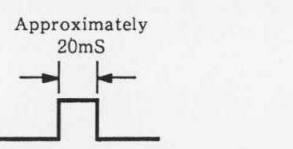
Page	Incorrect	Correct
1	Note : AUS : Austrarian model	Note : AUS : Australian model
20 23	Ref. No. Part No. Description 902 A-3215-838-A (702) ... MOUNTED PCB, SYSTEM CONTROL	Ref. No. Part No. Description 902 A-3015-838-A (702) ... MOUNTED PCB, SYSTEM CONTROL



3. IC TERMINALS

• IC701 System Controller (MSM6404A)

This controller turns ON/OFF of the DDC, motor, plunger, radio, and LED and performs tape end detection, mute control, etc., according to the input from each switch.

No	Signal	I/O	Function	No	Signal	I/O	Function
1	LED2	-	Reverse LED output of remote controller. "L" : Lights.	23	BEEP	O	BEEP sound to IC104 (Head amp) output. 
2	FWD LED	O	Forward LED output of main unit. "L" : Lights.	24	-	-	Not used for this unit.
3	REV LED	O	Reverse LED output of main unit. "L" : Lights.	25	PM	O	Plunger (PM1) ON/OFF control output. This sends a lead-in pulse in FWD mode and two lead-in pulses in REV mode to plunger. 
4	OSC O	O	Clock output.	26	M. CTL	O	Motor rotation ON/OFF control output. "H" : Rotate, "L" : Stop.
5	OSC I	I	Clock input (500kHz).	27	M. BRK	O	Motor brake output. "L" : Brake.
6	RESET	I	System reset input. "L" : Reset.	28	M. DIR	O	Motor rotation direction control output. "H" : Clockwise, "L" : Counterclockwise.
7	-	-	Not used for this unit.	29	DDC CTL	O	DC-DC converter (DDC) control output. Set this port to "H" to keep DDC ON when DDC starts up and the microcomputer starts operation by pressing the switch of the main unit or the remote controller. Furthermore, this port is set in "L" mode approximately eight seconds after pressing the STOP key, or when the operation has been stopped by shutting off the this port, the DCC is turned OFF.
8	WAKE UP	I	Microcomputer start up and input when radio section is in operation. *2	30	-	-	Not used for this unit.
9	END PULSE	I	Reel base rotation detection input. If the input voltage does not change for more than 1.6 seconds in play mode, it is judged as the end of tape.	31	-	-	Not used for this unit.
10	HEAD	I	PLAY switch (S7030) input. "L" : PLAY (in status with the head base raised up).	32	-	-	Not used for this unit.
11	FWD	I	Playing head FWD/REV selecting switch (S702) input. "L" : FWD, Open : REV.	33	-	-	Not used for this unit.
12	MUTE	O	Mute output for IC103 (EXDBB). "H" : Mute.	34	DIR MODE	I	DIRECTION mode switch (S701A) input. "L" : ◀, "H" : ▶
13	A/B SW	I	A/B sides detection switch (S704) input. Not used for this unit. (Always GND).	35	-	-	Not used for this unit.
14	-	-	Not used for this unit.				
15	-	-	Not used for this unit.				
16	GND	-	Power terminal (GND).				
17	-	-	Not used for this unit.				
18	PROG	-	Not used for this unit. (Always GND).				
19	R. CTL	O	When turning ON radio section : "H".				
20	B. CTL	O	When pressing RADIO ON/BAND of the remote controller : "L".				
21	P. CTL	O	When pressing PRESET TUNE of the remote controller : "L".				
22	-	-	Not used for this unit.				

No	Signal	I/O	Function
36	D2	I	Key data from IC702(Comparison) input. *1
37	D1	I	
38	D0	I	
39	VDD	-	Power terminal (+3.5V).
40	-	-	Not used for this unit.
41	-	-	Not used for this unit.
42	-	-	Not used for this unit.
43	-	-	Not used for this unit.
44	LED1	-	Remote controller forward LED output. "L" : Lights.

\*1 3 bit data from IC702 (Comparator).

Switch input	D2	D1	D0
STOP	L	L	L
PLAY	L	L	H
REW	L	H	L
FF	L	H	H
RADIO ON/BAND	H	L	L
PRESET TUNE	H	L	H

\*2 IC701 starts oscillation of the clock when WAKE UP is set in "L" mode by pressing the switch of the main unit or the remote controller while the radio section is ON. (The clock of IC701 is stopped while the radio section is in operation).

4. CASSETTE SECTION BLOCK DIAGRAM

