7 Serviceman Mode (Electronic Controls)

This Receiver has electronic technology using the I2C BUS Concept. It performs as a control function and it replaces many mechanical controls. Instead of adjusting mechanical controls individually, many of the control function are now performedby using "On Screen Display Menu". (The Serviceman Adjustment Mode .)
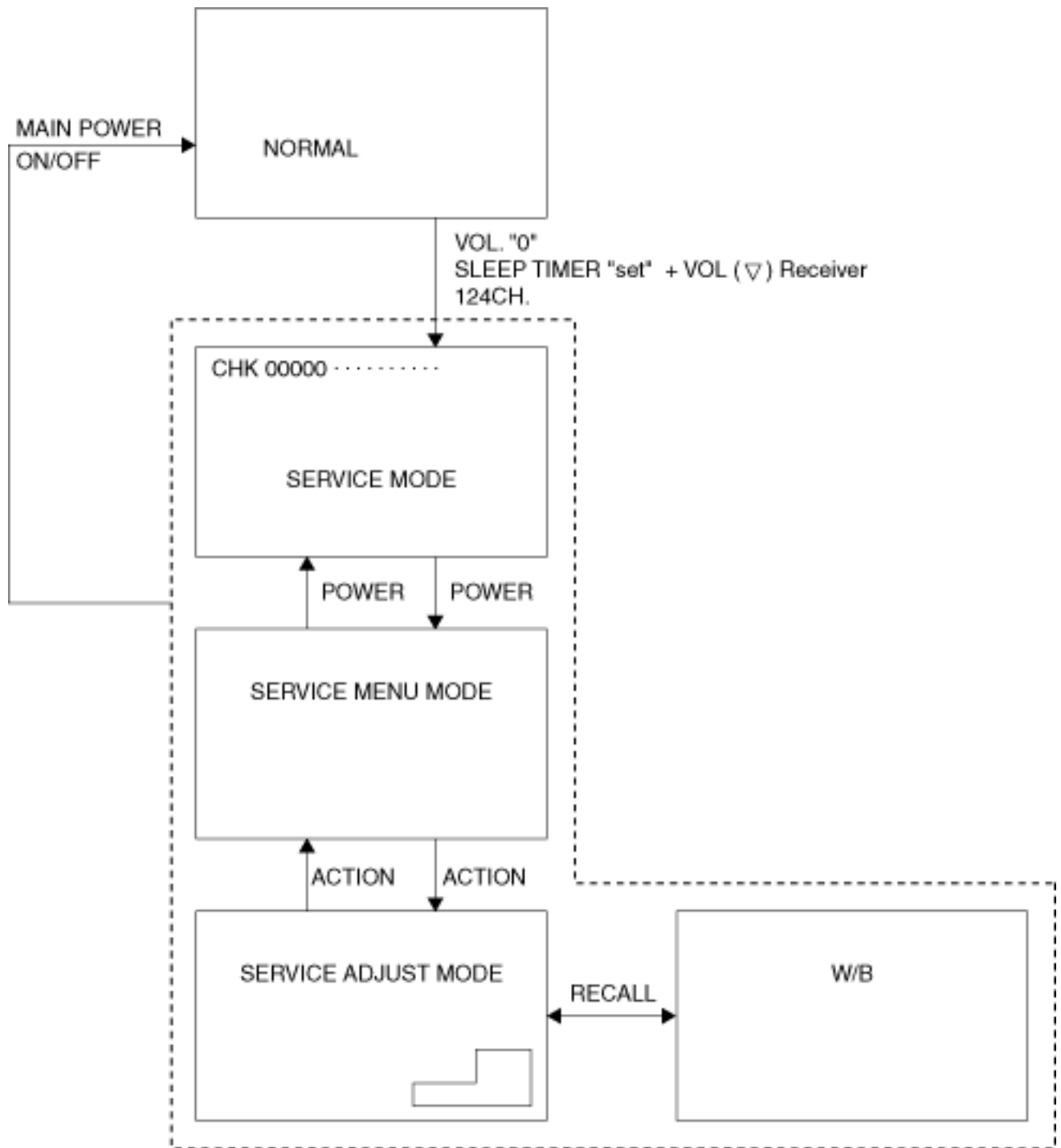
Note

It is suggested that the technician reads all the way through and understand the following the procedure for Entering/Exiting the Serviceman Mode ; then proceed with the instructions working the Receiver. When becoming familiarwith the procedure, the Flow Chart for Serviceman Mode may be used as a quick guide.

Quick Entry to Serviceman Mode:

At times when minor adjustments need to be done to the electronic controls, the method of Entering the serviceman Mode without removal of the cabinet back is as follows using the Remote Control:

1. Select SET-UP icon and select CABLE mode.

2. Select TIMER icon and set SLEEP time for 30 Min.

3. Press ACTION button twice to exit menus.

4. Tune to the Channel 124.

5. Adjust VOLUME to minimum (0).

6. Press the VOL

   ◄ button (decrease) on Receiver . Red "CHK" appears in upper corner.

To toggle between Aging and Serviceman modes:

While the "CHK" is displayed on the left top corner of the screen, pressing the Action and the Volume up button on the Receiver simultaneously will toggle between the modes. Red "CHK" for Serviceman and yellow "CHK" forAging.

7. Press the Power Button on the Remote Control to select one of six Serviceman Adjustment Modes.

    A. Serviceman MTS ADJUSTMENT.

B. Serviceman CLOCK ADJUSTMENT.

C. Serviceman VIDEO ADJUSTMENT.

D. Serviceman HDEF ADJUSTMENT.

E. Serviceman VDEF ADJUSTMENT.

F. Serviceman DAF ADJUSTMENT.

G. Serviceman OTHER ADJUSTMENT.

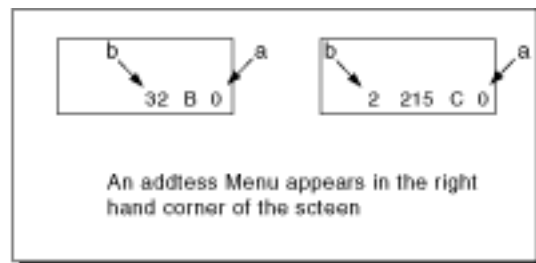**Note:** Only the applicable settings for the Receiver serviced will be available (See a in Fig.1).

An addtess Menu appears in the right hand corner of the scteen

Figure 1. **Serviceman Mode Menu Adjustments.**

Exiting the Serviceman Mode:

Press the Power buttons on the Receiver.

For Adjustments:

1. Press Channel Up/Down on the Remote Control to select one of the available Service Adjustments (a in Fig.1).

    Note:

    Write Down the original value set (b in Fig.1) for each address before modifying anything. It is easy to erroneously adjust the wrong item.

2. Press Volume Up/Down on the Remote Control to adjust the level of the selected Service Adjustment (b in Fig.1).

MAIN ITEM	SUB ITEM	ORIGINAL VALUE	EEPROM ADRESS		DEFAULT LEVEL
			SLEEVE	SUB	
MTS	MTSIN	10	3A		21

	SEPA L	10	3B		06
	SEPA H	10	3C		19
CLOCK	CLOCK	10	3D		128
VIDEO	COLOR	14	F2		19
	TINT	14	F6		88
	BRIGH	14	D4	01	FA
	CONT	14	D7		25
	B-Y_G	14	E0		3F
	CUT_G	15	0C	01	6C
	CUT_R	15	01	01	99
	CUT_B	15	13	01	A4
	BRT	14	D0		FB
	R DR	14	FB		9F
	B DR	15	00		A8
HDET	H LIN	11	0C		A7
	H POS	12	1F	00	B4
	H WID	12	B0		50
	PCC	12	AC		20
	PCCHG	12	91		1F
	PCCLG	12	96		1B
	PCCHS	12	9E		00
	PCCLS	12	9A		00
	TOPG	12	A8		4A
	BTMG	12	A3		4F
	TOPSL	12	88		03
	BTMSL	12	8C		00
	TRAP	12	BA		7F
	PARA	12	CE		08
	SIDE	12	CA		08
V-DEF	V RAS	11	10		71
	VEAMP	12	6D		D1
	V-C	12	66		20
	V-S	12	5F		29
DAF	HDAFS	11	D2	00	38
	VDAFG	12	BE		52
OTHER	VMM_G	11	15		A0

	VMM_P	11	18		F3
	HHS	11	19		CB
	EW_SW	12	7B		00
	VTOP	12	59		86
	SOSSW	11	1B		01