

## 2. Alignment and Adjustment

### 2-1 Reference

- 1) X-Point (Tracking center) adjustment, "Head switching adjustment" and "NVRAM option setting" can be adjusted with remote control.
- 2) When replacing the Micom (IC601) and NVRAM (IC605 ; EEPROM) be sure to adjust the "Head switching adjustment" and "NVRAM option setting".
- 3) When replacing the cylinder ass'y, be sure to adjust the "X-Point" and "Head switching adjustment".
- 4) Among Samsung VCR remote control used for adjustment as a accessory, only the remote control that has figures buttons (0 ~ 9) is available for all adjustment regardless of chassis.
- 5) How to adjustment.
  - Press the "SW718 (TEST)" button on Main PCB to set the adjustment mode.
  - If the corresponding adjustment button is pressed, the adjustment is performed automatically.
  - If the adjustment is completed, be sure to turn the power off.

#### 2-1-1 Location of adjustment button of remote control

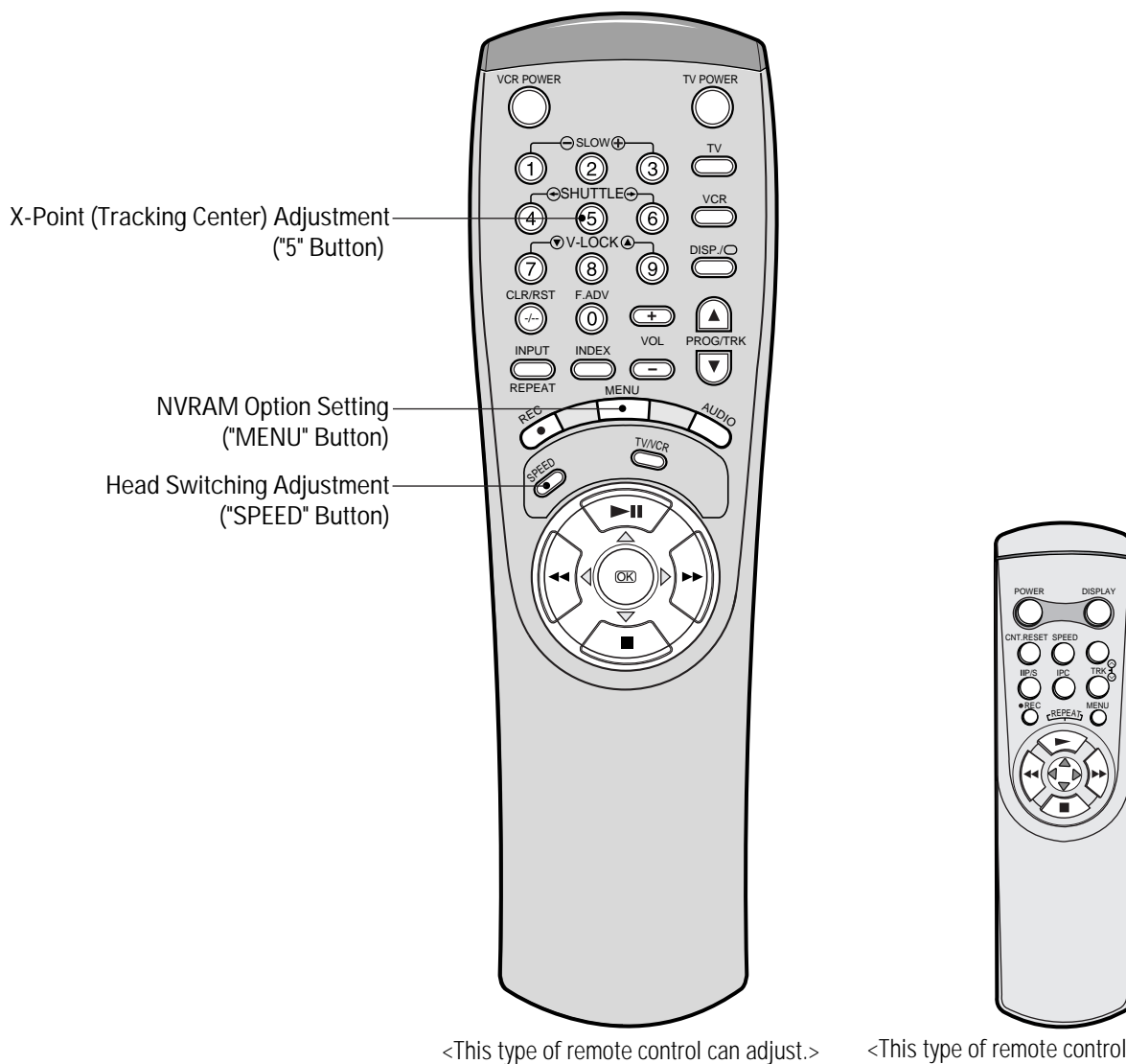


Fig. 2-1

## 2-1-2 SW718 (TEST) location for adjustment mode setting

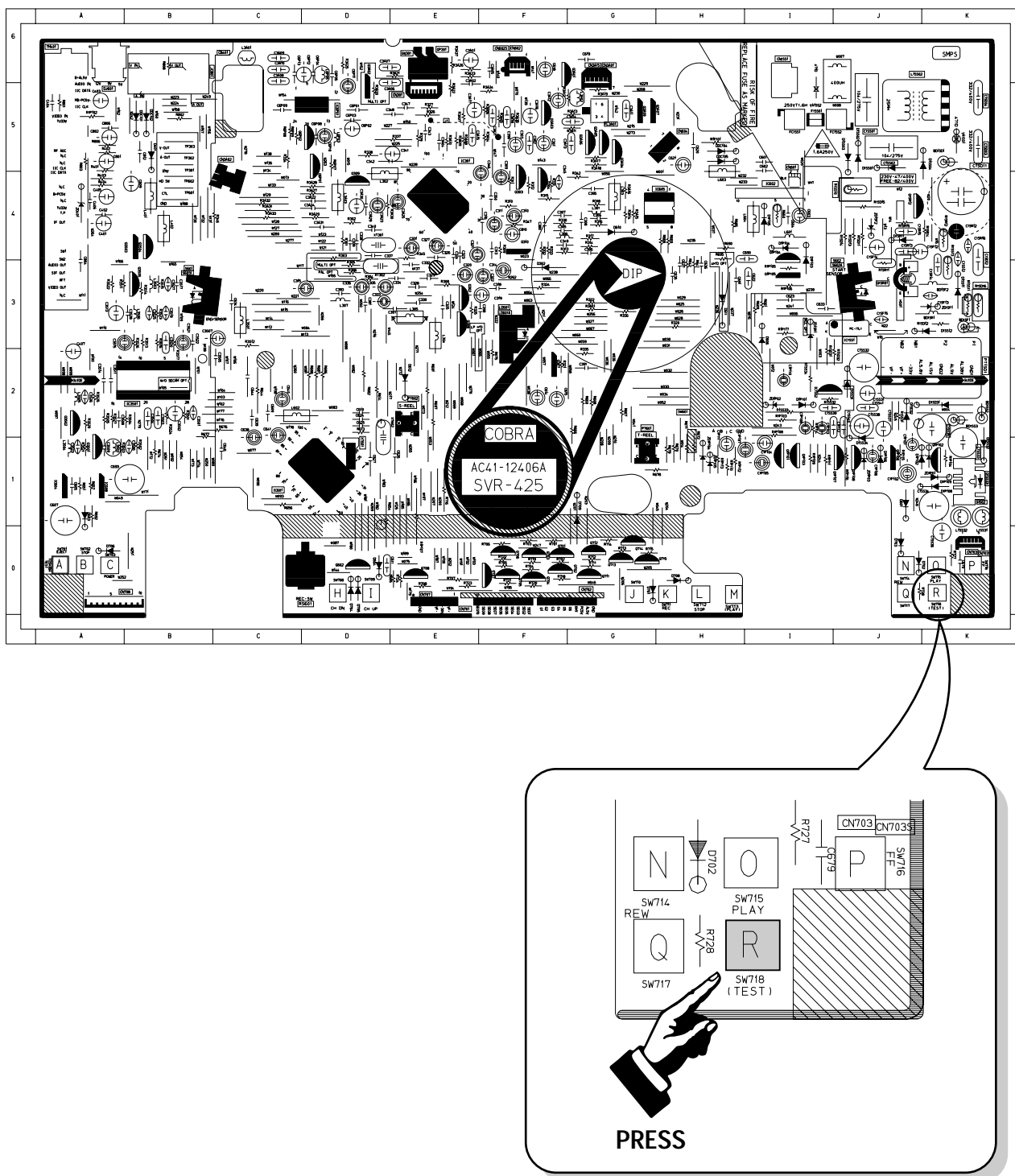


Fig. 2-2 Main PCB (Top View)

## 2-2 Mechanical Adjustment

Note : Refer to the Mechanical Manual “DX-9R (AC68-00001A)” for the adjustment and confirmation of ass’y full deck.

### 2-2-1 The number and position of test point

**Test point :**

- TP601 (Control Pulse)
- TP602 (H'D S/W -Trigger)
- TP301 (Envelope)
- TP302 (Audio output)
- TP303 (Video output)

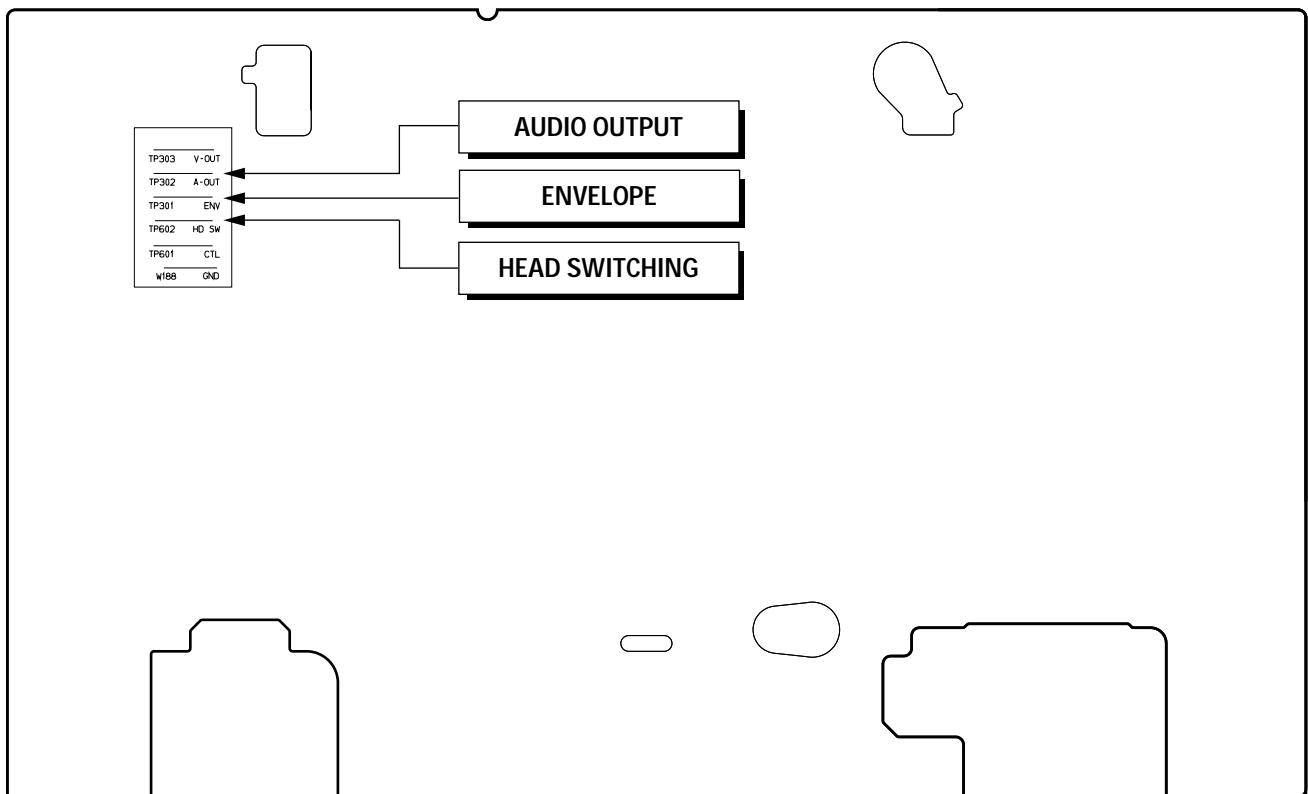


Fig. 2-3 Location of Test point (Main PCB-Top View)

#### 2-2-1 ACE Head Position (X-Point) Adjustment (See the 2-2-1(d) ACE Head Position (X-Point) Adjustment on page 2-2 of the Mechanical Manual)

- 1) Playback the alignment tape (Color bar).
- 2) Press the “SW718 (TEST)” button on Main PCB to set the adjustment mode. (See Fig. 2-2)
- 3) Press the “5” button of remote control then adjustment is operated automatically. (See Fig. 2-1)
- 4) Connect the CH-1 probe to TP301 (Envelope) the CH-2 probe to TP602 (H'D switching pulse) and then trigger to CH-1.
- 5) Insert the (-) driver into the X-Point adjustment hole and adjust it so that envelope waveform is maximum.
- 6) Turn the Power off.

## 2-3 Head Switching Point Adjustment

- 1) Playback the alignment tape.
- 2) Press the "SW718 (TEST)" button on Main PCB to set the adjustment mode. (See Fig. 2-2)
- 3) Press the "SPEED" button of remote control then adjustment is operated automatically. (See Fig. 2-1)
- 4) Turn the Power off.

## 2-4 NVRAM Option Setting

- 1) NVRAM Option is adjusted at production line basically.
- 2) In case Micom (IC601) and NVRAM (IC605 ; EEPROM) is replaced, be sure to set the corresponding option number of the repaired model. (If the option is not set, the unit is not operated.)

- 1) Press the "SW718 (TEST)" button on Main PCB to set the adjustment mode. (See Fig. 2-2)
- 2) Press the "MENU" button on the remote control about 5 seconds then option setting display is appeared. (See Fig. 2-4 and 2-5)
- 3) Select the option number (See Table 2-1 ; Page 2-5) of corresponding model with "FF" and "REW" button on the remote control.
- 4) If selecting the option number is completed, press the "PLAY" button of remote control.  
(If "PLAY" button is pressed, the selected number is changes reversed color. ; See Fig. 2-4 and 2-5)
- 5) Press the "OK (VCR)", "MENU (VCP)" button of remote control again to store the option number.  
( "PLEASE WAIT" is displayed for a second as shown Fig. 2-6, 2-7 and this setting is completed.)
- 6) Turn the Power off.

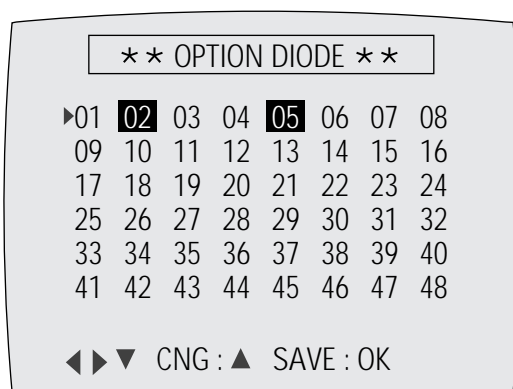


Fig. 2-4 (VCR)

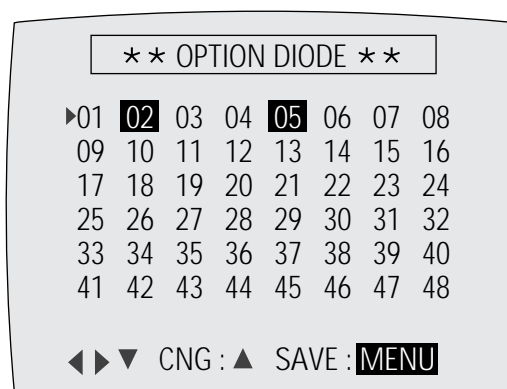


Fig. 2-5 (VCP)

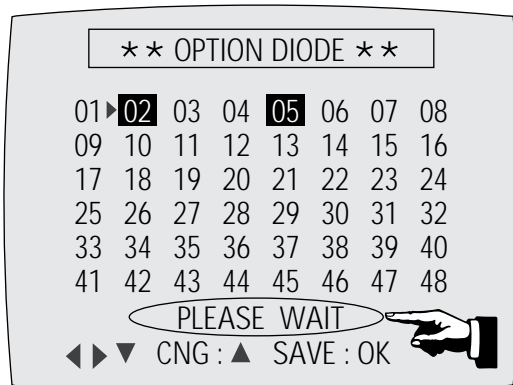


Fig. 2-6 (VCR)



Fig. 2-7 (VCP)

&lt;Table 2-1&gt;

COUNTRY	MODELS	OPTION NUMBER
U.A.E. SYRIA	SV-425G	6, 8, 11, 12, 17, 18, 20, 25, 26, 30, 31, 32, 35, 42, 45, 46, 48
	SV-224G	6, 8, 11, 17, 18, 20, 25, 26, 30, 31, 32, 35, 39, 40, 42, 48
	SV-223G	6, 11, 17, 18, 20, 25, 26, 30, 31, 32, 35, 39, 40, 42, 48
	SV-122G	9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 38, 39, 40, 42, 48
	SV-121G	8, 9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 37, 40, 42, 48
	SV-100G	9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 37, 40, 42, 48
LEBANON	SV-425G	6, 8, 11, 12, 17, 18, 20, 25, 26, 30, 31, 32, 35, 42, 45, 46, 48
	SV-121G	9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 38, 39, 40, 42, 48
SAUDI ARABIA	SV-425G	6, 8, 11, 12, 17, 18, 20, 25, 26, 30, 31, 32, 35, 42, 45, 46, 48
	SV-223G	6, 11, 17, 18, 20, 25, 26, 30, 31, 32, 35, 39, 40, 42, 48
	SV-121G	9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 38, 39, 40, 42, 48
IRAN	SV-A80G(HCII)	6, 8, 11, 12, 17, 18, 20, 25, 26, 29, 35, 42, 45, 46, 48
	SV-A70G(HCII)	6, 11, 17, 18, 20, 25, 26, 29, 35, 40, 42, 48
	SV-A11G(HCII)	9, 10, 11, 17, 18, 20, 29, 34, 38, 39, 40, 42, 48
EGYPT	SV-223G	6, 11, 17, 18, 20, 25, 26, 30, 31, 32, 35, 39, 40, 42, 48
	SV-121G	9, 10, 11, 17, 18, 19, 20, 30, 31, 32, 34, 38, 39, 40, 42, 48
ISRAEL	SV-425G	6, 8, 11, 12, 17, 18, 25, 26, 29, 31, 32, 35, 38, 41, 42, 46
AUSTRALIA	SV-425B	1, 6, 8, 9, 12, 17, 18, 25, 27, 29, 31, 32, 35, 38, 41, 46
	SV-225B	1, 6, 9, 17, 18, 25, 27, 29, 31, 32, 34, 38, 41
	SV-220B	9, 17, 18, 25, 27, 29, 31, 32, 34, 40, 42
NEW ZEALAND	SV-425X	1, 6, 8, 12, 17, 18, 25, 26, 29, 31, 32, 35, 38, 41, 46
	SV-220X	17, 18, 25, 26, 29, 31, 32, 34, 40, 42
THAILAND	SV-C30G	6, 8, 11, 17, 18, 20, 25, 26, 29, 31, 32, 34, 39, 40, 42
	SV-6C	9, 10, 11, 17, 18, 20, 29, 31, 32, 34, 38, 39, 40, 42
	SV-5C	9, 10, 11, 17, 18, 20, 29, 30, 31, 32, 34, 37, 40, 42
VIETNAM	SV-6C	9, 10, 11, 17, 18, 20, 29, 31, 32, 34, 38, 39, 40, 42
	SV-5C	9, 10, 11, 17, 18, 20, 29, 31, 32, 34, 37, 40, 42
MALAYSIA	SV-C12K	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 37, 40, 42
ALGECIRAS	SV-C12K	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 37, 40, 42
GUINEA	SV-C12K	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 37, 40, 42
MOROCCO	SV-C12K	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 37, 40, 42
ALGERIA	SV-C12K	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 37, 40, 42
SOUTH AFRICA	SV-425I	6, 8, 11, 12, 17, 18, 25, 26, 29, 31, 32, 35, 41, 42, 46
	SV-223I	6, 11, 17, 18, 25, 26, 29, 31, 32, 34, 37, 38, 39, 42
	SV-C12K	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 37, 40, 42
BULGARIA	SV-121G	9, 10, 11, 17, 18, 19, 29, 31, 32, 34, 38, 39, 40, 42
UGOSLABIA	SV-121G	9, 10, 11, 17, 18, 20, 29, 31, 32, 34, 38, 39, 40, 42
C.I.S.	SVR-425	2, 6, 8, 11, 12, 17, 18, 19, 25, 30, 31, 32, 35, 41, 45, 46
	SVR-423	8, 11, 12, 17, 18, 25, 30, 31, 32, 35, 37, 41, 42, 45, 46
	SVR-420	8, 11, 12, 17, 18, 25, 30, 31, 32, 35, 37, 39, 40, 41, 42, 46
	SVR-223	6, 11, 17, 18, 25, 30, 31, 32, 34, 38, 40, 41, 42, 45
	SVR-220	11, 17, 18, 25, 30, 31, 32, 34, 37, 39, 40, 41, 42
	SVR-120	9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 37, 40, 42
	SVR-121	9, 10, 11, 17, 18, 20, 30, 31, 32, 34, 38, 39, 40, 42

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