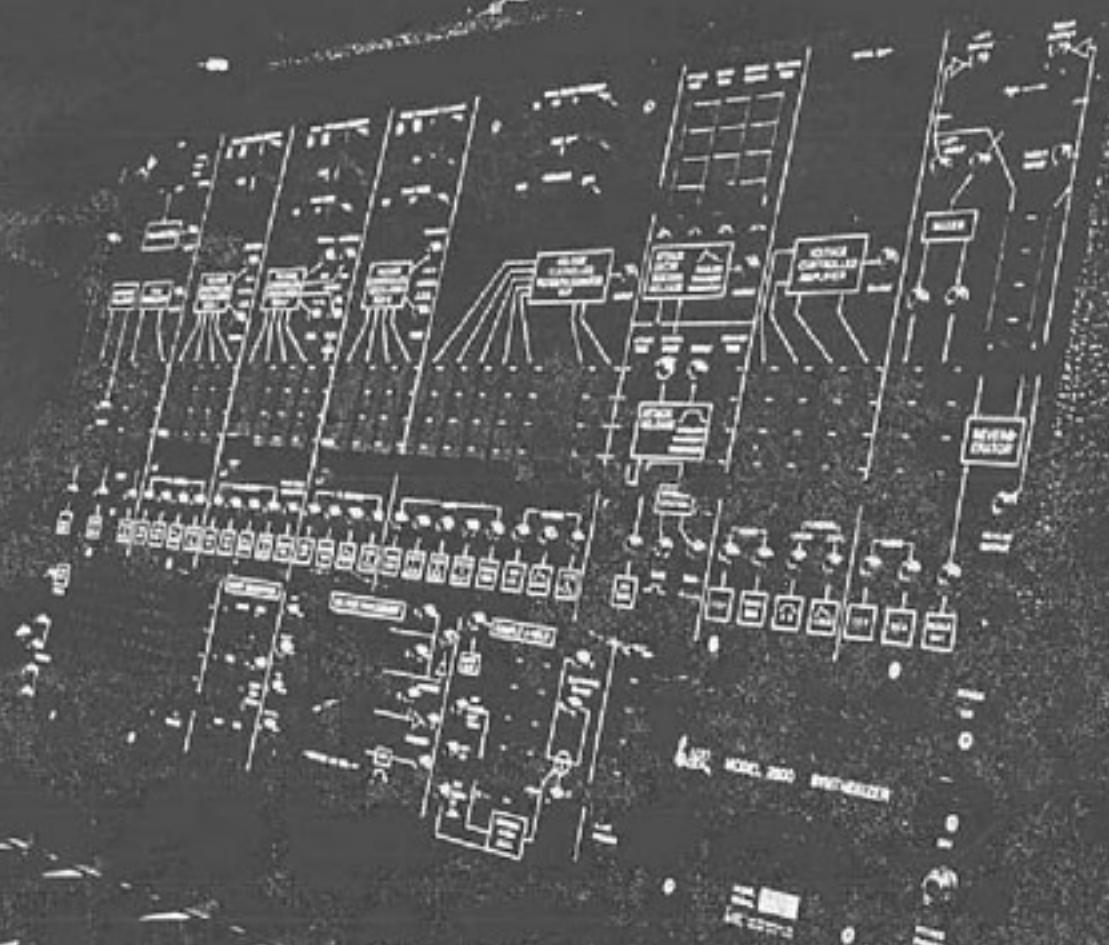


ARP



OLDSCHOOL-SOUND

www.oldschool-sound.com

!!!!!! An exclusive free release !!!!!!

SCAN by PASCAL W -aka- "Analog Monkey"
Free manuals for Free Vintage addicts ! Creative use only

\$\$\$ Not For Resale \$\$\$

(: Le bizness de ressources est un sport de ptizis :)

2600 Patch Book

The ARP 2600 Patch Book

TABLE OF CONTENTS

Basic Instruments

1. Marimba Roll
2. Trumpet & French Horn
3. Trucker Bass
4. Octabass
5. Wonder Clavinet
6. String Sweetener
7. Tubular Chimes
8. Violin
9. English Horn/Oboe
10. Fanfare Trumpet
11. Monster Organ
12. Thereminovox
13. Cello Section
14. Cowboy Harmonica
15. Classic ARP 2600 Patch
16. Electric Mouth-harp
17. Licorice Schtück
18. Big Bass Drum
19. Trombone/Tuba
20. Flute
21. Okie Guitar
22. Jazz Guitar

Advanced Instruments

23. Ceremonial Gong
24. Heavy Metal Fuzz Lead
25. 65# Piano
26. Doc Trumpet
27. Stereo Bass & Delayed Violin
28. Oriental String Duo
29. Pianoforte
30. Big Band Brass
31. Electronic Piano
32. Zombie Organ
33. Glitter Guitar
34. Marimba: Chords and Lead
35. Handbells
36. Pennywhistle & Trumpet
37. Violin with Delayed Vibrato

Rhythms

38. Swing Traps: Hi-hat & Bass Drum
39. Metallic Thunks
40. Triple Timings
41. Tom & Hi-hat Duet
42. Steel Drum Corps
43. Advanced Steel Drum Corps
44. Random ARP Drum Solo
45. Back-beat: Bass Drum, Hi-hat & Tom
46. Cookin' Conga
47. Conga & Snare Drum Duet

Natural Sounds

48. Frog Bog
49. Jonathan Synthesized Seagull
50. Primeval Forest
51. Arboretum
52. Soprano
53. Sporadic Heavy Breathing
54. Cricket Colony
55. Clapping Thunder
56. Small Barking Mutt
57. Random Whistler
58. Mother Whistler
59. ARP Jungle
60. Water Drops
61. Stereo Chickadee Conversation
62. "Oh Yeah!"

Arpeggios, Chords & Sequences

63. Inverted ADSR Harmonic Arpeggio
64. Three-note Tunable Sequence
65. Three-note Chord from Two VCOs
66. Inharmonic Sequencing
67. Random Select: Four-note Tunable Arpeggio
68. Gliding Intervals

Sound Effects

69. Firetruck Siren with Horn Blast
70. 727 Starting Up, Taxiing, & Taking Off
71. Panning Freight Train
72. Edgar Winter's "Frankenstein"
73. Boing!
74. Wampus Monster
75. Assorted Splats & Sproings
76. Prancing Raindrops
77. "Pwee" or Synthesized High-pass Filter
78. Explosion

Advanced Applications

79. Ultraglide with Release Memory
80. Trio: Three Separate Envelopes & Timbres
81. Lagged S/H to Filter
82. "Owwa" or Inverted ADSR to VCF
83. Basic Vibrato from Internal Oscillator
84. Lagged Keyboard Voltage
85. ADSR Pan
86. Auto-pan on S/H
87. Auto-pan with Reverb
88. Keyboard-controlled Pan
89. Release-follow
90. Touch-repeat
91. S/H Echo
92. Echoperplex
93. Random Filter Sample: Keyboard Triggered
94. Voltage-controlled Resonance
95. Voltage-controlled On-time
96. Ethereal Phase-shifting on External Source
97. Modulated External Source
98. "Ow" on External Source
99. Drum-controlled ADSR & S/H
100. Split Keyboard: Bass "Ow" & Violin

Welcome

Welcome to the ARP 2600 Patch Book. These instrumental timbres, sound effects, natural sounds and rhythms are the result of over three years of experimentation by many people, both amateur and professional, who are deeply involved with electronic music synthesis. A large number of these patches have already been used in commercial recording; you might already have heard them on the radio, TV, movie soundtracks and record albums. We'd like to share them with you.

You'll progress more rapidly and derive more satisfaction from this book if you take these thoughts into account:

- * A patch chart is only a *guide*, not a precise configuration of sliders. Be flexible - the patch charts are.

- * Every individual synthesizer has its own slight idiosyncracies. Slider positions on your 2600 might vary slightly from the norm set by the patch charts, so if you don't get exactly the sound you want, make minor corrections in control settings. Follow your ear.

- * And every set of eardrums also has its idiosyncracies. If you like your flutes mellower, your monsters creepier, or your drums kickier, experiment a little.

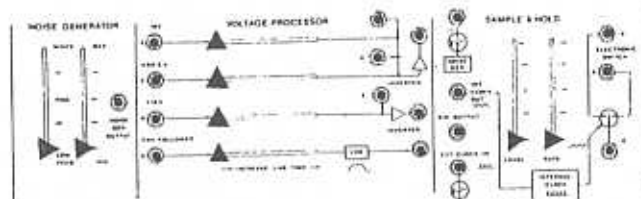
- * To get full enjoyment from synthesizing these sounds, blow them through a good speaker system. The speakers on the front of the 2600 are there for reference; you should be playing through an amp and speaker system with a full-range response.

- * We don't have to tell you that it's fun to experiment with your own ideas; that's expected of electronic musicians. Many of these patches can be set up simultaneously: try the String Sweetener with the Auto-pan, for example. You will undoubtedly come up with some great patches of your own and will want to write them down. Blank 2600 Patch Pads are available from the factory at \$1.00 each.

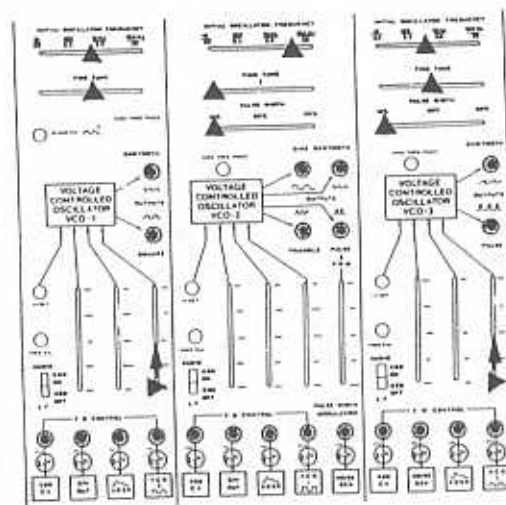
ARP would like to thank these people for getting it together in this 2600 Patch Book: Dave Fredericks, Roger Dumas, David Friend, Bruce McLendon, Phil Dodds, Alan R. Pearlman, Tom Piggott, Mike Brigida, Rick Parent, Bernie Klocko, Dan Hakala, John Shykun, Bill Wentz, Edgar Winter, Margaret Shepherd, and a couple of anonymous folks who sent in some dynamite patches.

Heed These Hints:

1. Be certain that all sliders and switches not indicated on the patches are in the *left or down* positions.



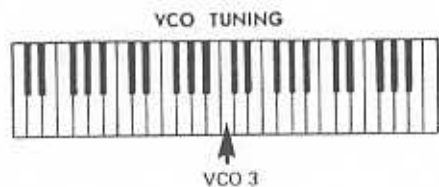
2. Arrows indicate the positions to which sliders should be moved *after tuning or during performance*.



3. Shut the speakers off while you're setting the patch up. It's easy to get distracted by unruly sounds.



- Pay special attention to the information located in the corners on most of the patches. There you will discover how many patchcords and dummy plugs are needed, how the portamento and tuning knobs are to be used, and where to play on the keyboard.
- Set aside the number of patchcords you'll need for the patch before you plug anything in. Otherwise, the patch may be missing a patchcord and you won't notice it right away.
- Phrasing* is most important on the instrumental patches. If you can play the keyboard with the idea that you are pausing to take breaths on a flute or trumpet, or bowing back and forth on a violin, you'll have more success synthesizing those instruments.
- VCO Pitch Tuning:** The keyboard diagrams over each patch indicate the pitch tunings for the VCOs and occasionally the VCF. For instance, this diagram means "Play Key C3 & tune VCO 3 to middle C." (Of course, if you don't have a tuning source such as a piano or a pitchpipe, you can tune the oscillators approximately.)

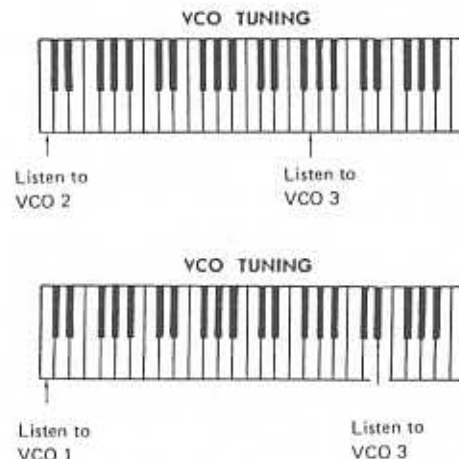
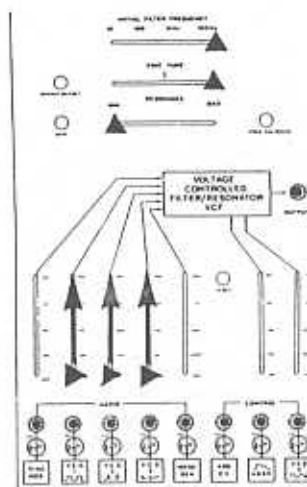


- Several patches will ask you to precisely tune two or three oscillators to unison or octave intervals. Tune one oscillator to the frequency range indicated on the patch chart and compare the other oscillators to it individually. When two oscillators are close to a harmonic interval (in this case, a unison, octave, fifth or a fourth), you will hear "beats." Beats sound like a combination of tremelo and phaseshifting: the frequencies of the two oscillators are so close that they tend to cancel each other out periodically. This can more easily be heard if you run the oscillators through the Ring Mod.

Play a note and fine-tune the oscillator you are comparing to the basic pitch until the beats slow down to less than one every three seconds. This is easiest at unison, harder at an octave, and requires practice for perfect fourths and fifths. The best way to check for a precise tuning is to play higher notes than the one used for tuning. The beats will be faster at higher frequencies.

Interval Tuning Example: Patch No. 35, Marimba Chords & Lead

- Raise VCO 3 into VCF. Play Key C1 and tune VCO 3 to a low, recognizable pitch.
- Play Key G3, still listening to VCO 3. This is the pitch to which you will tune VCO 2.
- Close VCO 3 at the VCF and raise VCO 2. Play C1 and tune VCO 2 to the pitch you heard at step 2.
- To check for proper tuning, go back and forth: Play G3—listen to VCO 3. Play C1—listen to VCO 2.
- Try this procedure in tuning VCO 1 at three octaves and a minor third above VCO 3 (Key Effat4).
- Raise all three VCOs into VCF and play the bottom octave.



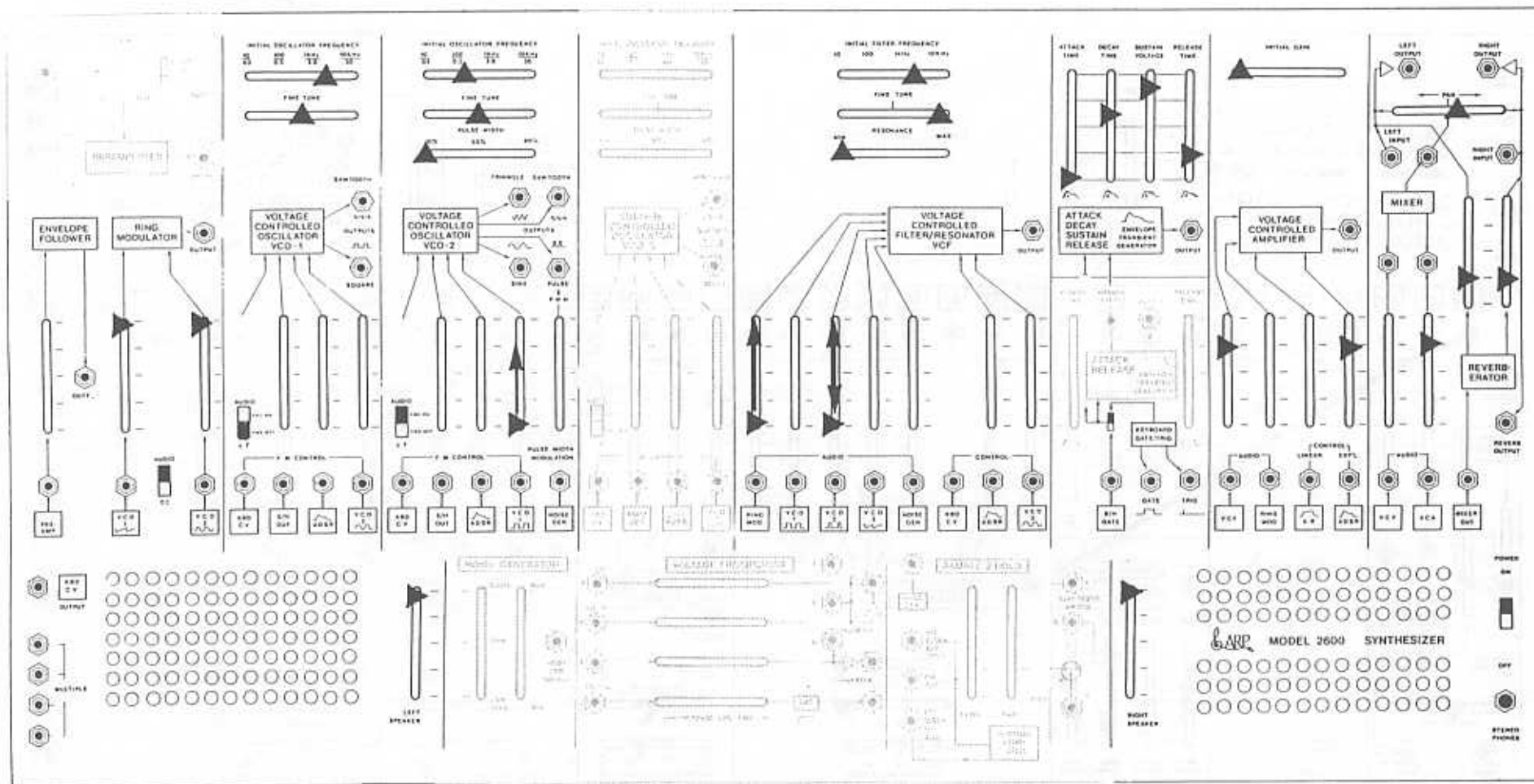
Don't be discouraged if the sound you want doesn't automatically appear like a candy bar out of a vending machine. Chances are good that you've forgotten to switch on the S/H Gate, the Oscillator Frequency Switches, or the power. Another possibility might be that one of the patchcords isn't plugged in fully. With practice, you'll be able to troubleshoot any problem encountered with any patch. They all work when set up properly.

Basic Instruments

VCO TUNING



VCO 2 octave roll

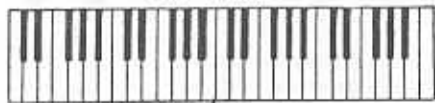


1. Raise VCO 2 ↑ into VCF and tune to middle C.
2. Close VCO 2 at VCF ↓ and raise Ring Mod slider ↑ into VCF.
3. Adjust VCO 1 frequency ←→ for speed of roll.
4. Raise VCO 1 ↘ ↑ into VCO 2. Tune for octave roll.

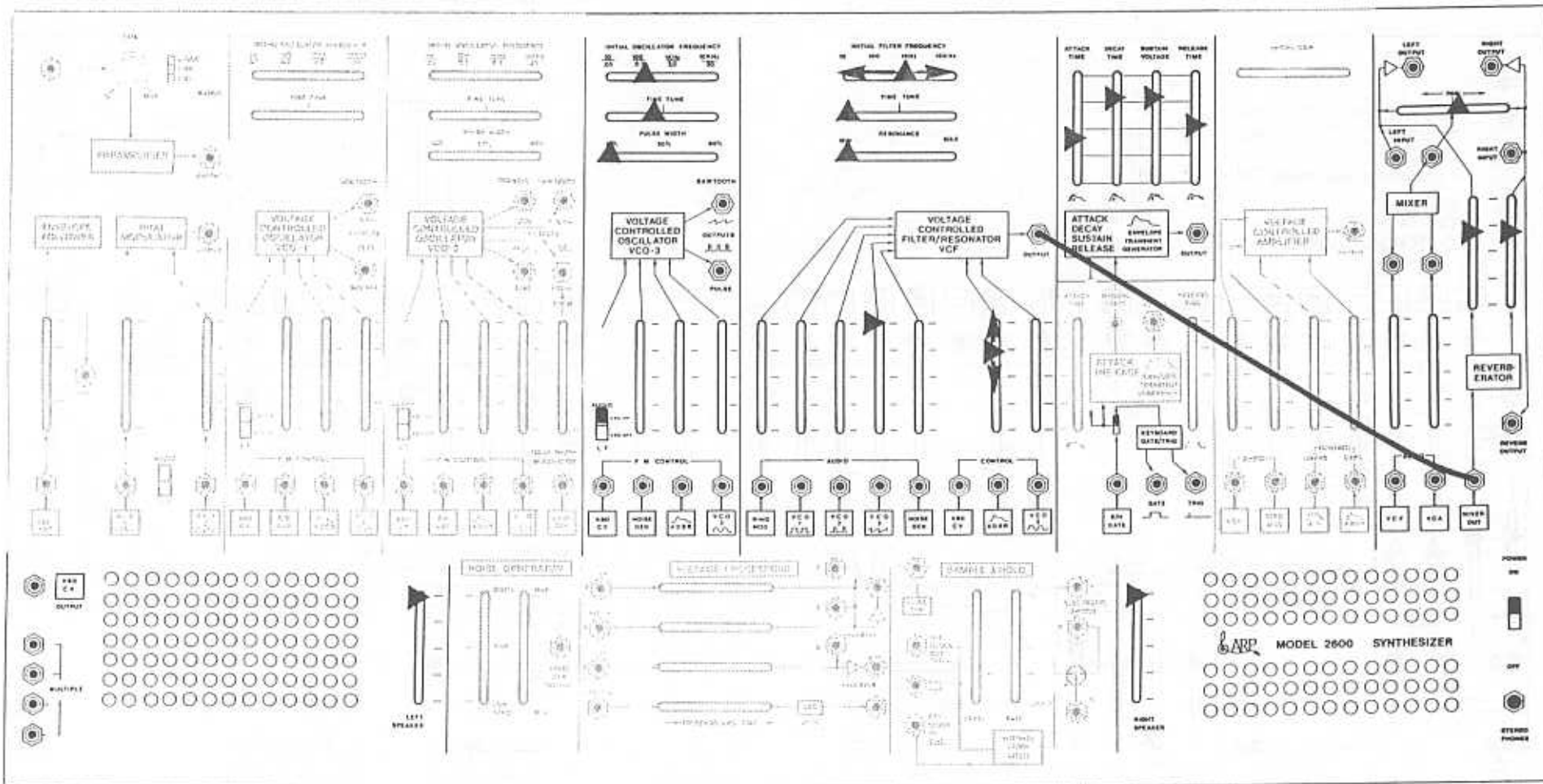
Marimba Roll

1.

VCO TUNING



VCO 3



1. Open VCF \rightarrow and tune VCO 3 to middle C.
2. Close VCF \leftarrow and adjust ADSR slider \uparrow into VCF for trumpet or French horn.

1 PATCHCORD

Trumpet & French Horn

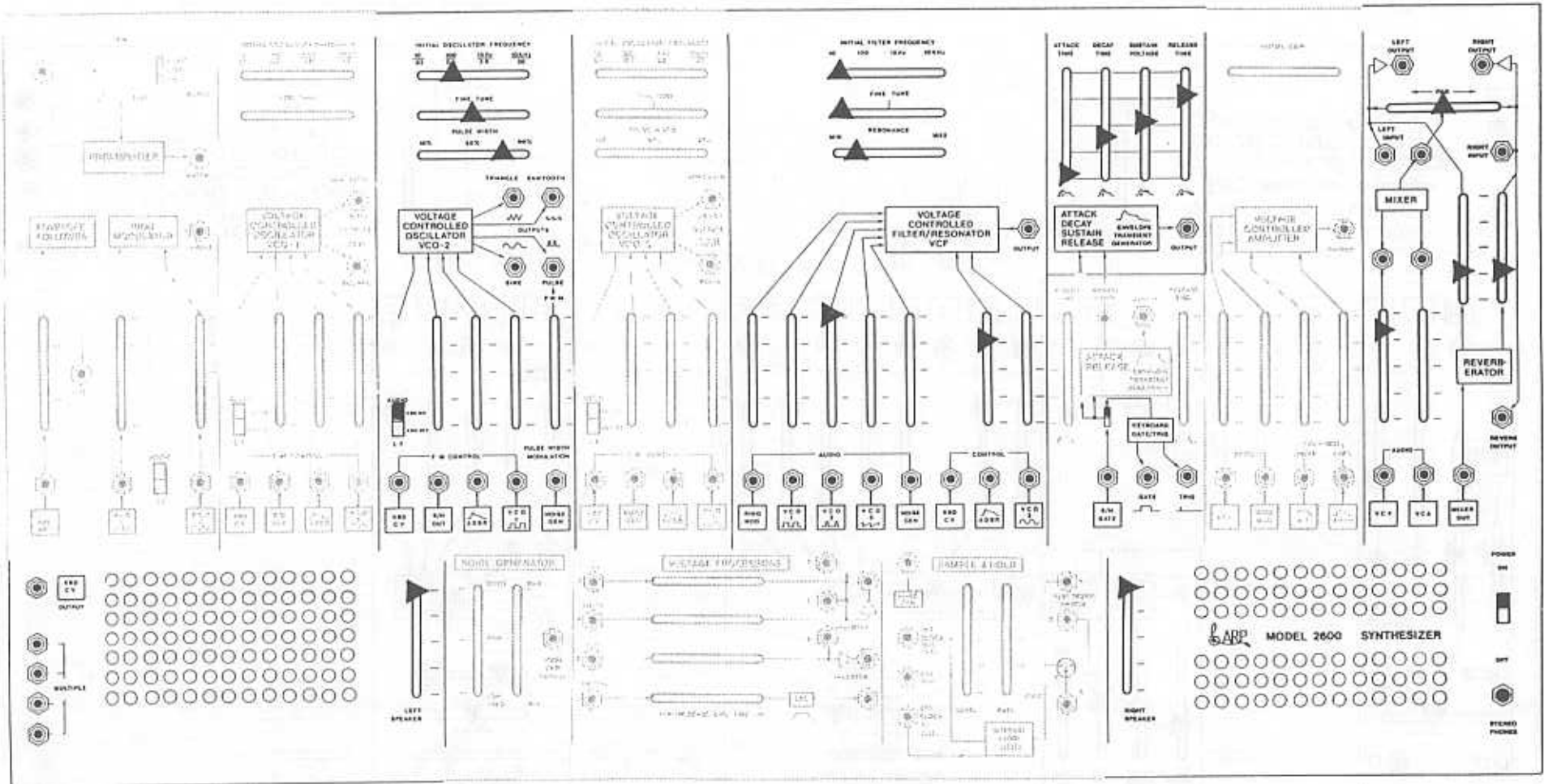
2.

KEYBOARD RANGE: BOTTOM 2 OCTAVES

VCO TUNING



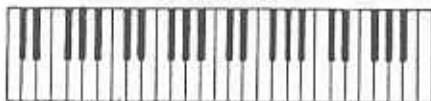
VCO 2



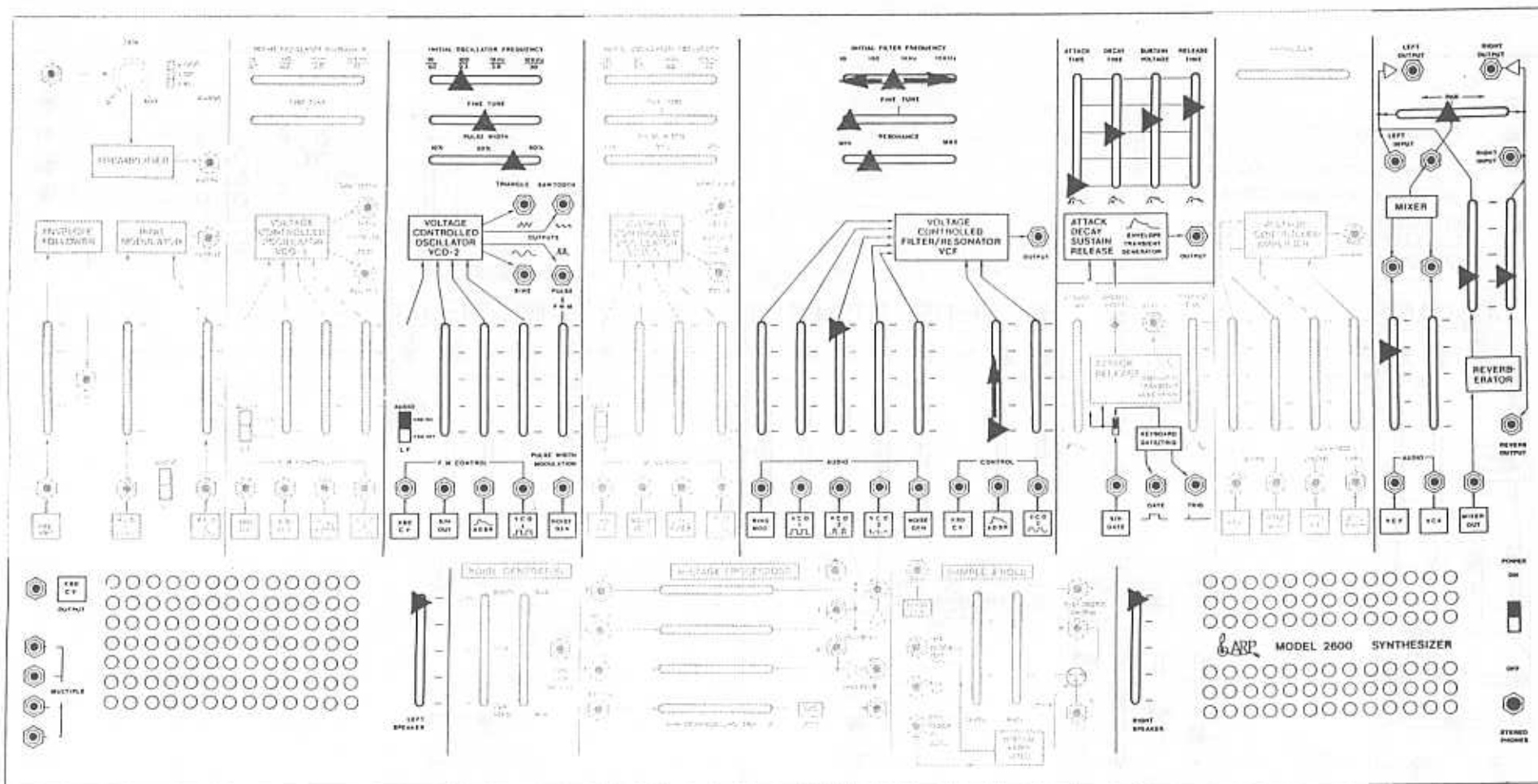
Trucker Bass

3.

VCO TUNING

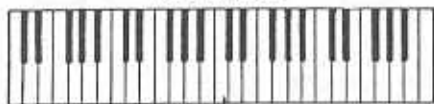


VCO 2

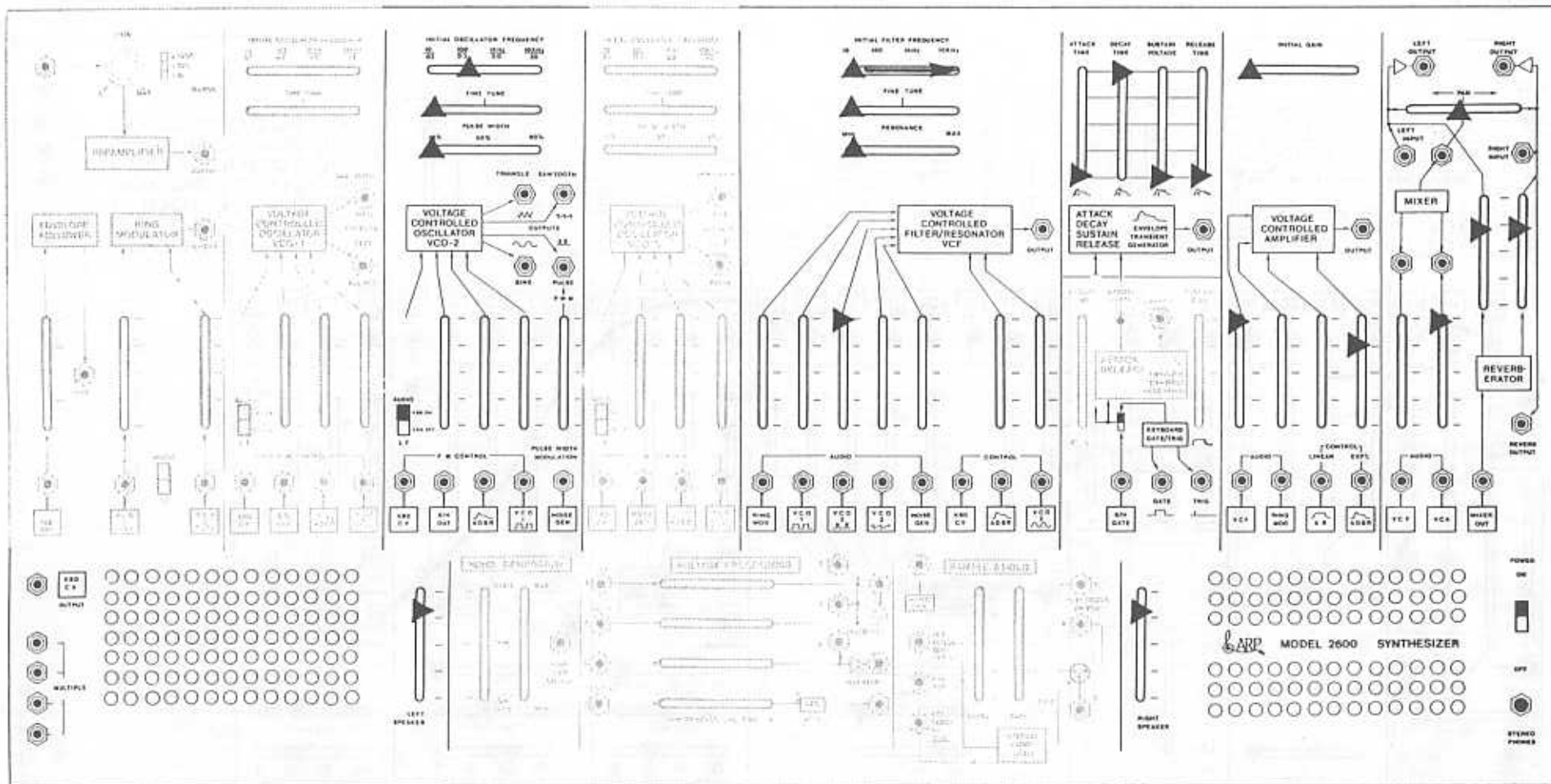


1. Open VCF — and tune VCO 2 to 1octave below middle C.
2. Close VCF — and raise ADSR | into VCF for brightness.

VCO TUNING



VCO 2



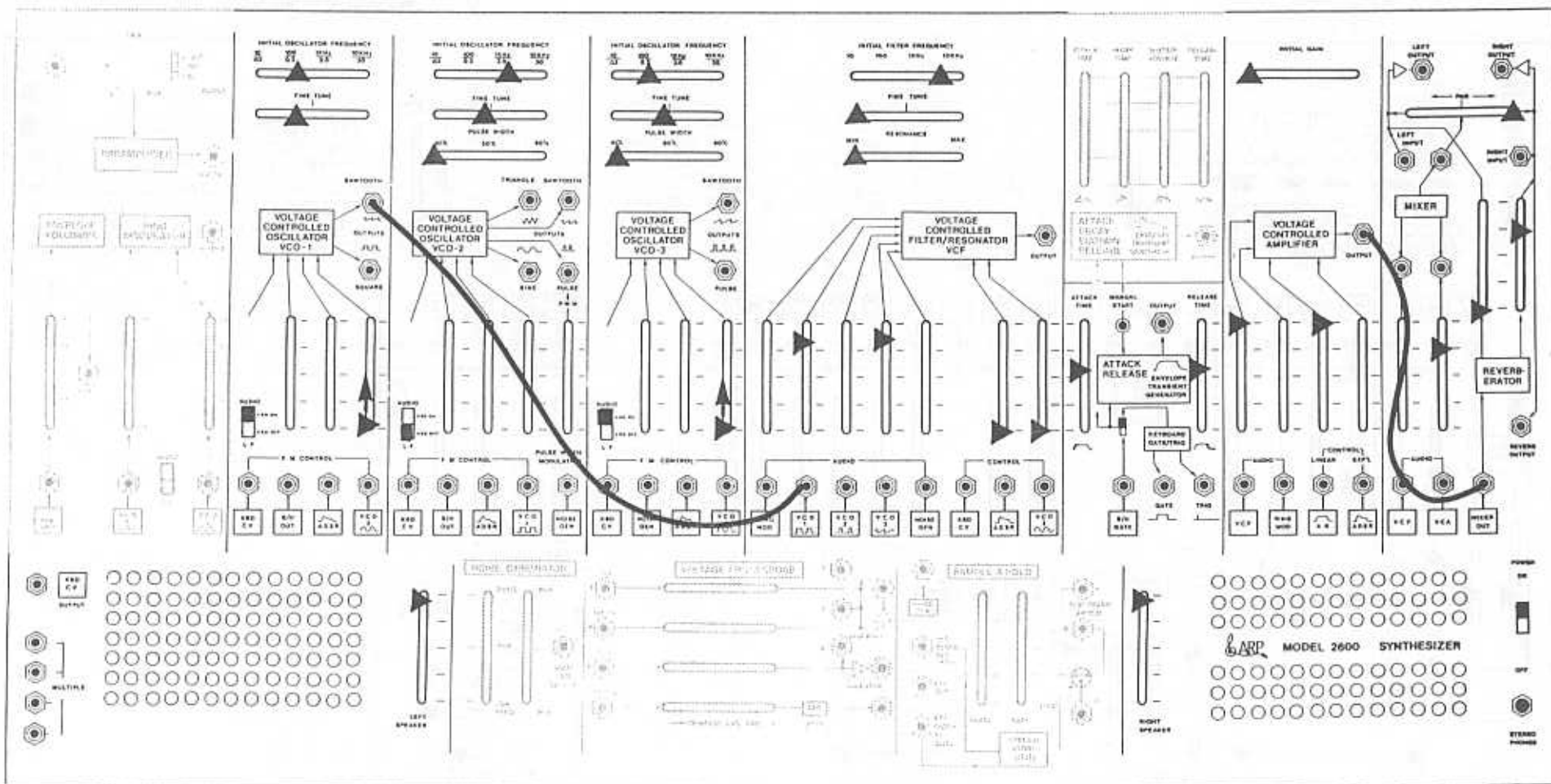
1. Adjust VCF — for brightness.
2. Tune VCO 2 to middle C.

Wonder Clavinet

VCO TUNING



VCO 1+3

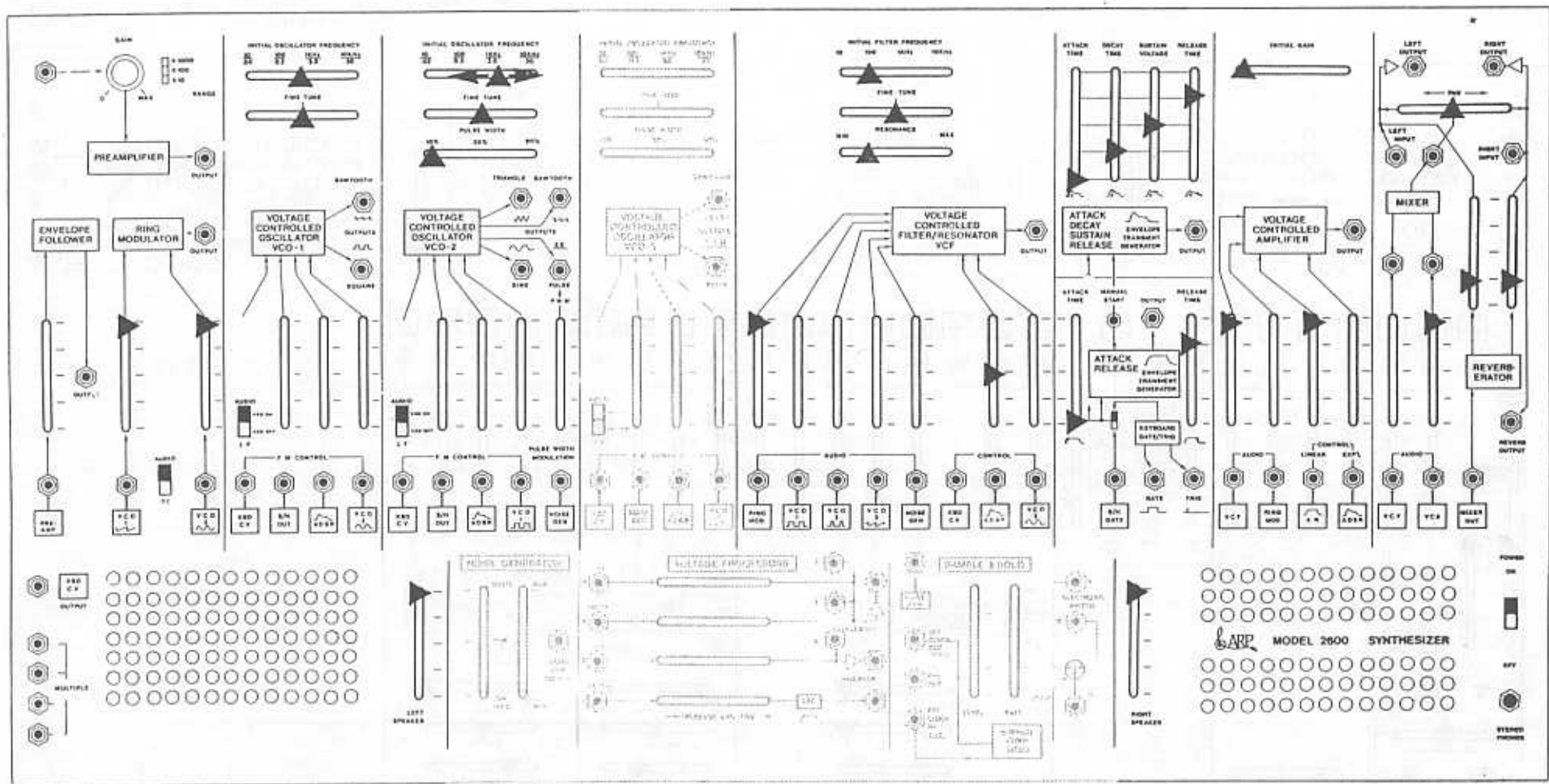


1. Tune VCO 3 to middle C.
2. Tune VCO 1 several beats off VCO 3.
3. Raise VCO 2 | into VCO 1+3 for vibrato.
4. Adjust VCO 2 frequency for vibrato speed.

2 PATCHCORDS

String Sweetener

6.



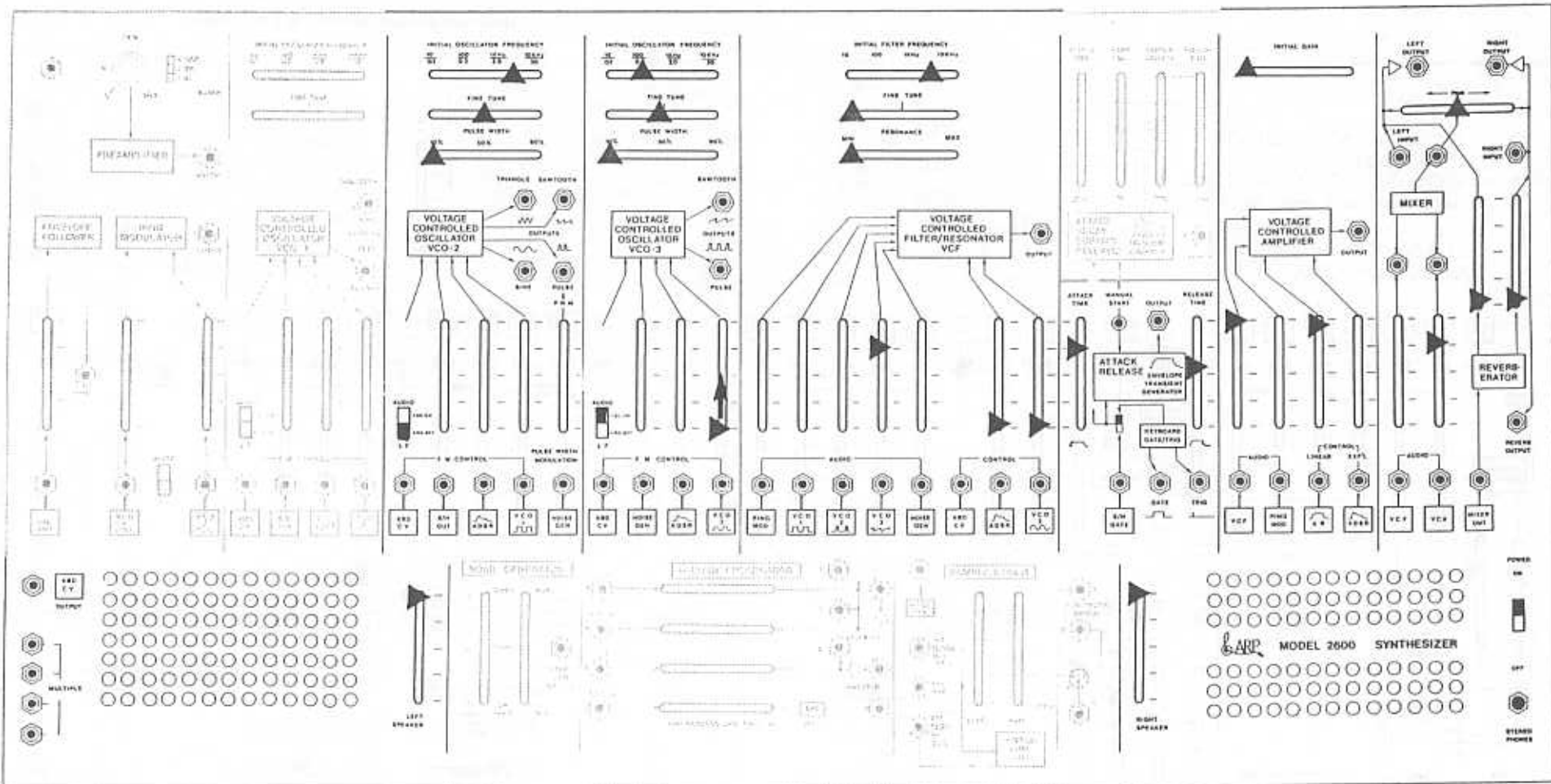
Adjust VCO 2 frequency for different bell effects.

Tubular Chimes

VCO TUNING



VCO 3



Portamento



1. Tune VCO 3 to middle C.
2. Raise VCO 2 | into VCO 3 for vibrato.
3. Adjust VCO 2 frequency for vibrato speed.

Violin



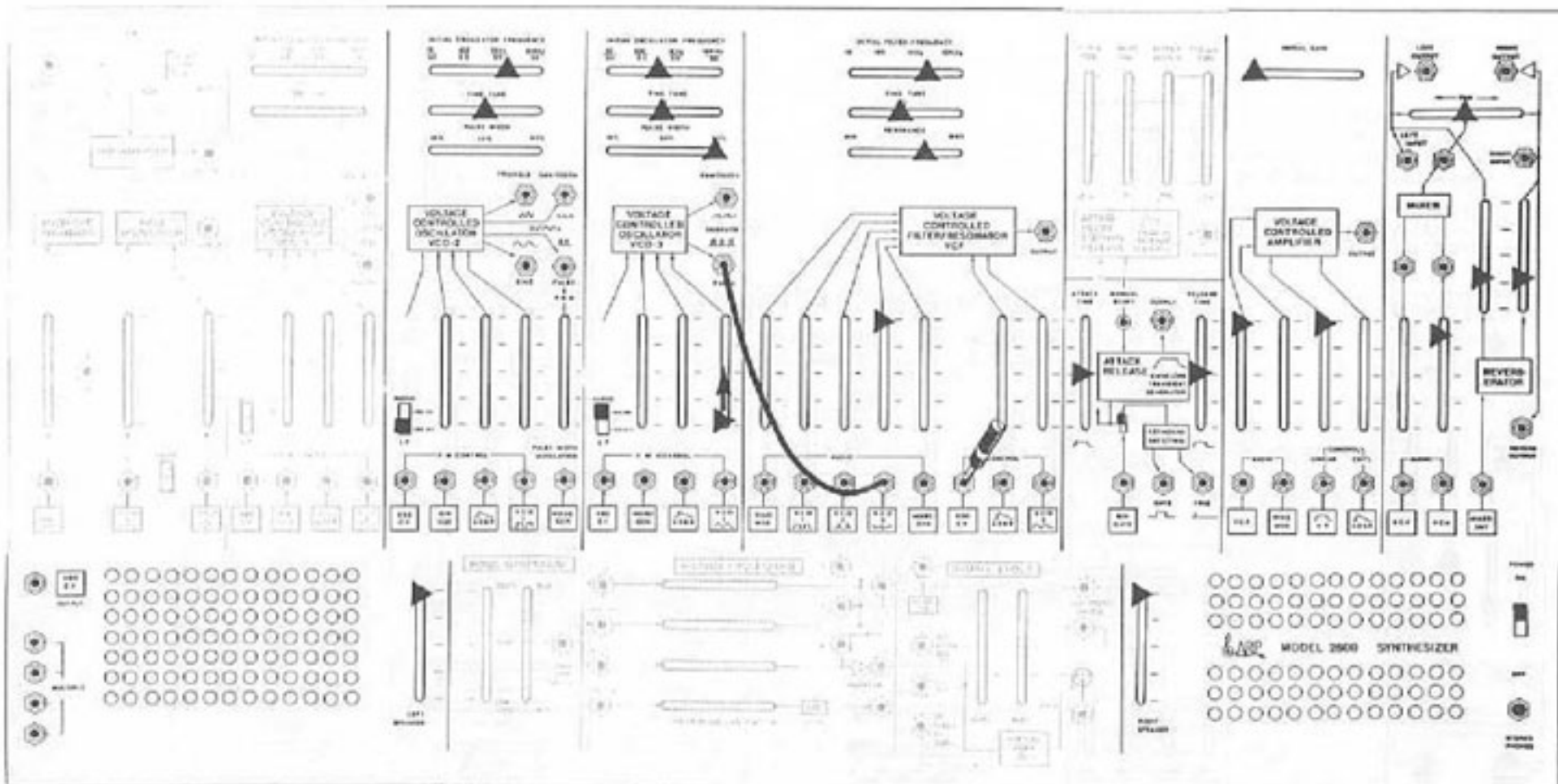
8.



VCO TUNING



VCO 3



1. Tune VCO 3 to middle C.
2. Raise VCO 2 into VCO 3 for vibrato.
3. Adjust VCO 2 frequency for vibrato speed.

OLDSCHOOL-SOUND

www.oldschool-sound.com

!!!!!! An exclusive free release !!!!!!

SCAN by PASCAL.W -aka- "Analog Monkey"
Free manuals for Free Vintage addicts ! Creative use only

\$\$\$ Not For Resale \$\$\$

(: Le bizness de ressources est un sport de ptizis :)

1 PATCHCORD
1 DUMMY PLUG

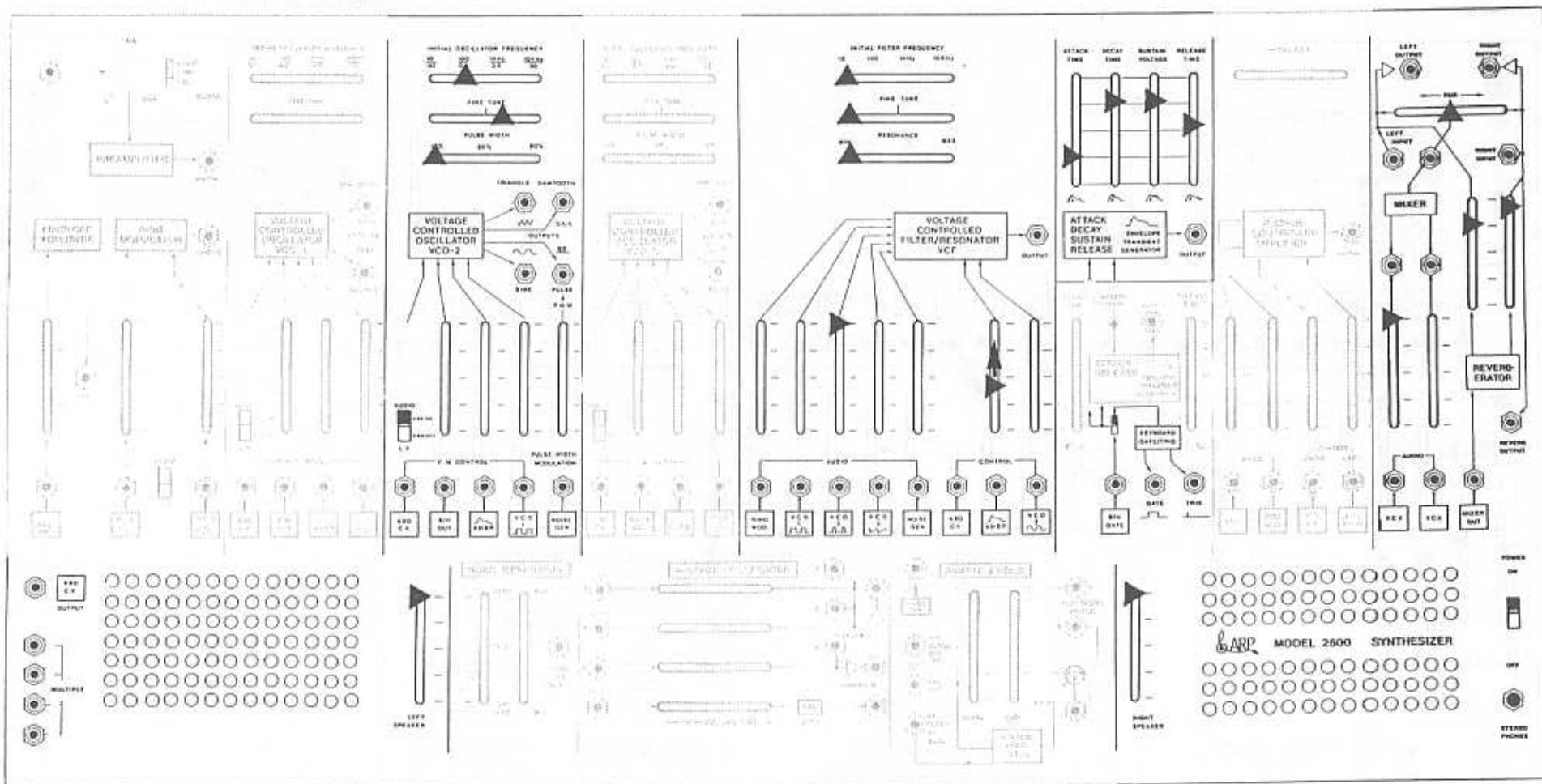
English Horn/Oboe

9.

VCO TUNING



VCO 2



1. Tune VCO 2 to middle C.
2. Raise ADSR 1 into VCF Control for brightness.

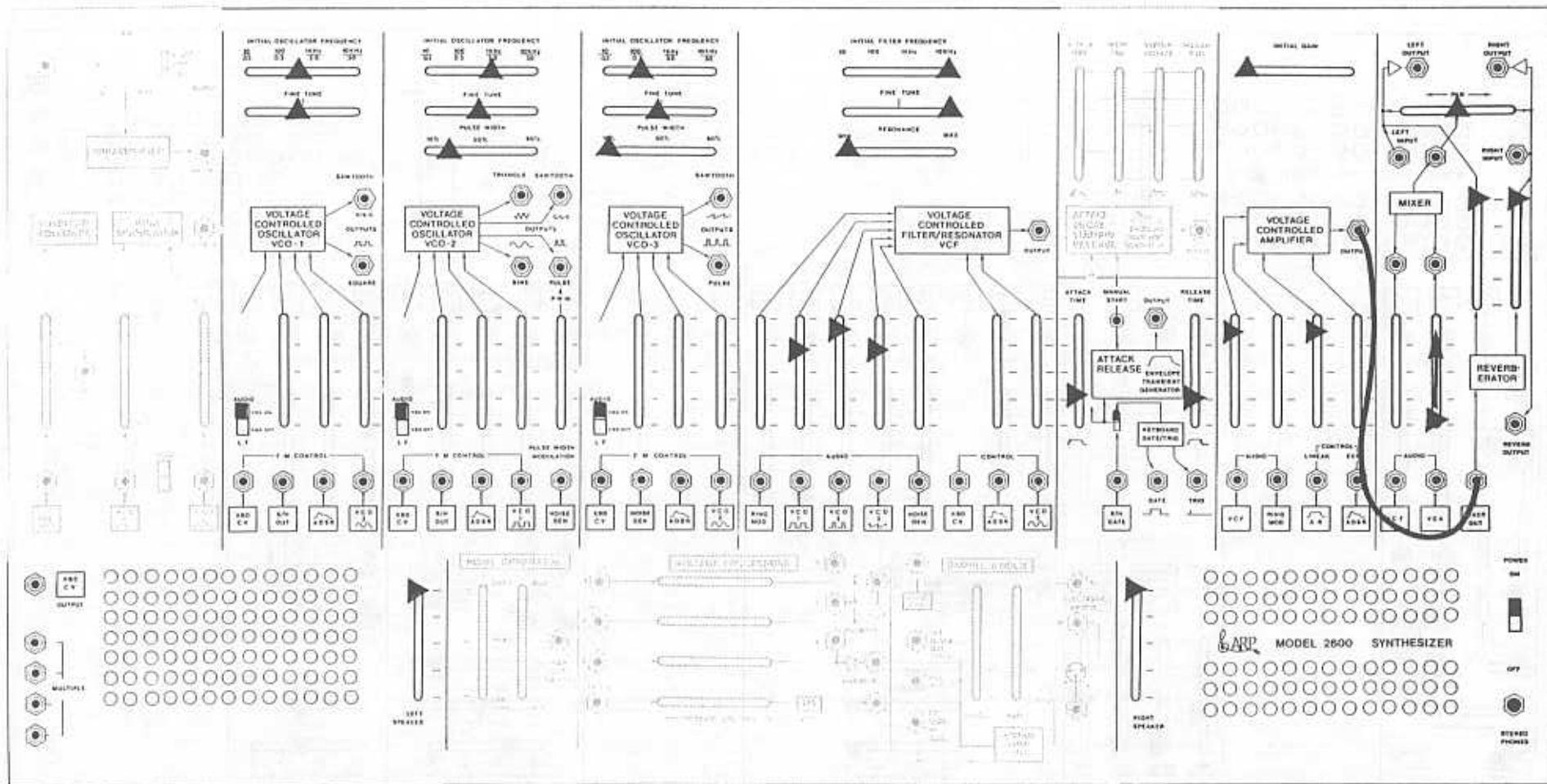
Fanfare Trumpet

10.

VCO TUNING



VCO 3 VCO 1 VCO 2



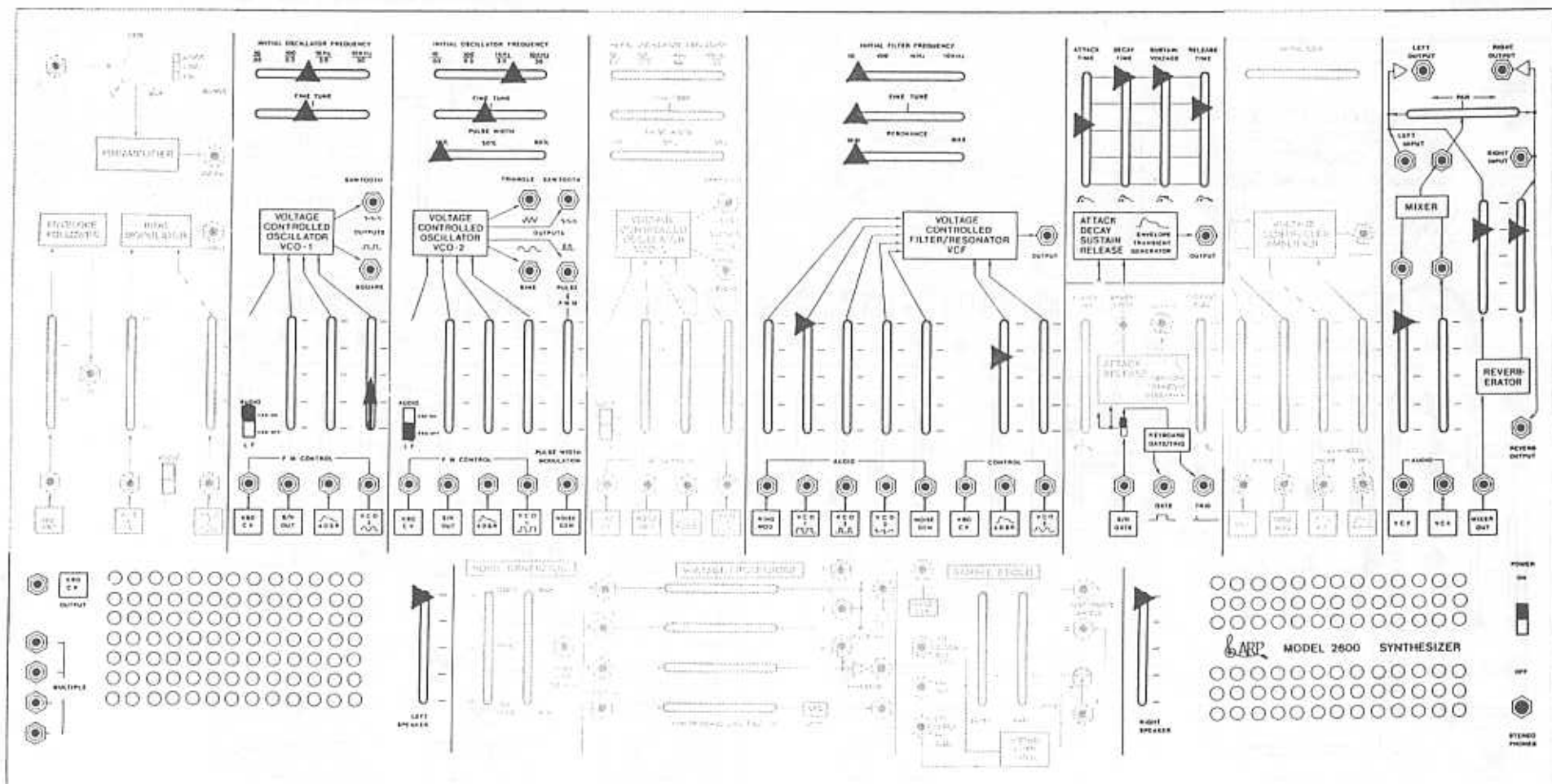
1. Tune: VCO 1 to one octave above middle C.
VCO 2 to two octaves above middle C.
VCO 3 to one octave below middle C.
2. Raise VCA | into Mixer for brilliance.

1 PATCHCORD

VCO TUNING



VCO1



Portamento



1. Tune VCO 1 to middle C.
2. Raise VCO 2 | into VCO 1 and adjust VCO 2 frequency for vibrato speed.

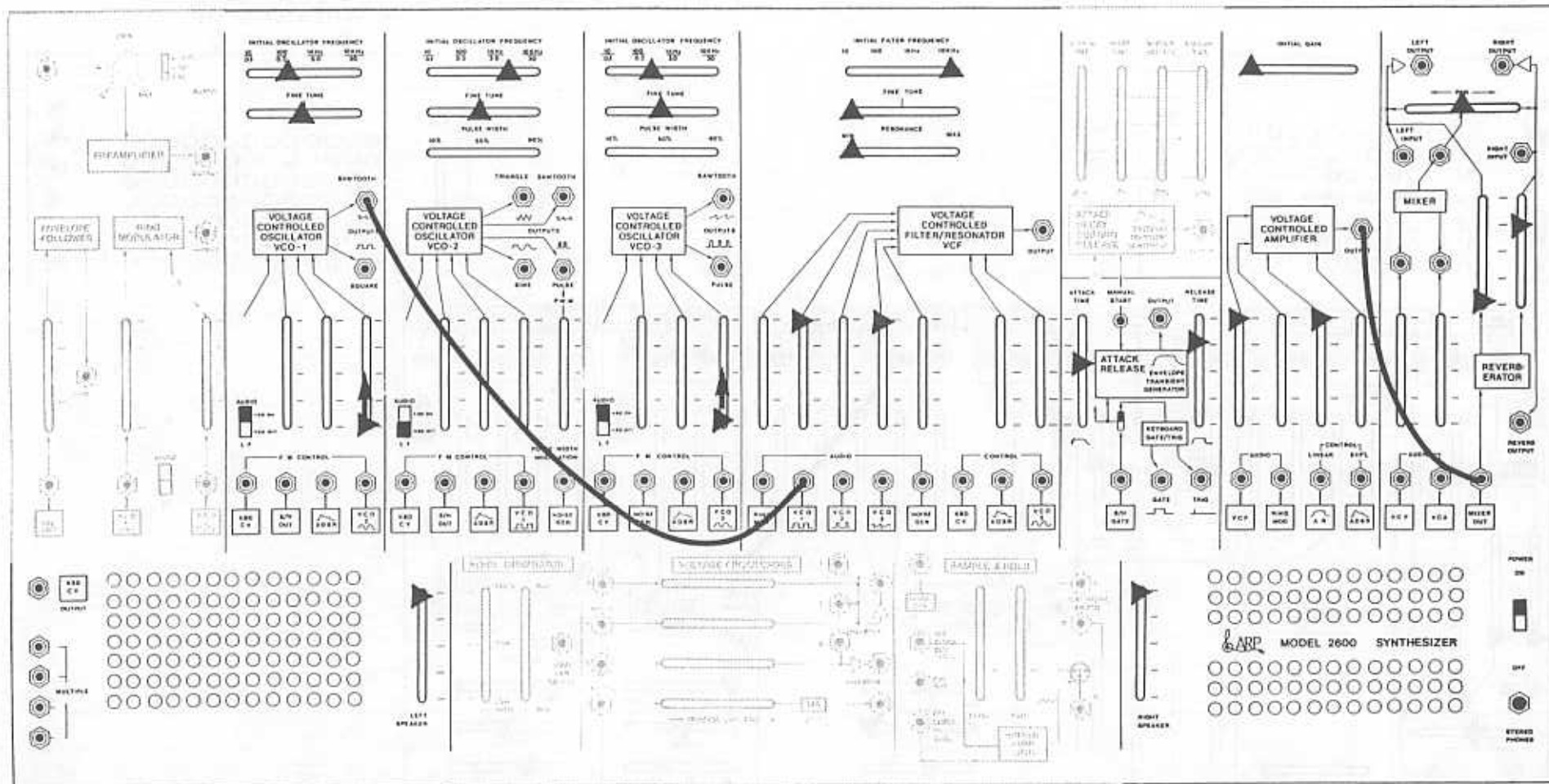
Thereminovox

12.

VCO TUNING



VCO 1+3



Portamento



1. Tune VCO 1 and 3 to one octave below middle C
2. Listening to each oscillator individually, raise VCO 2 1/2 octaves into each for vibrato and adjust VCO 2 frequency for speed.

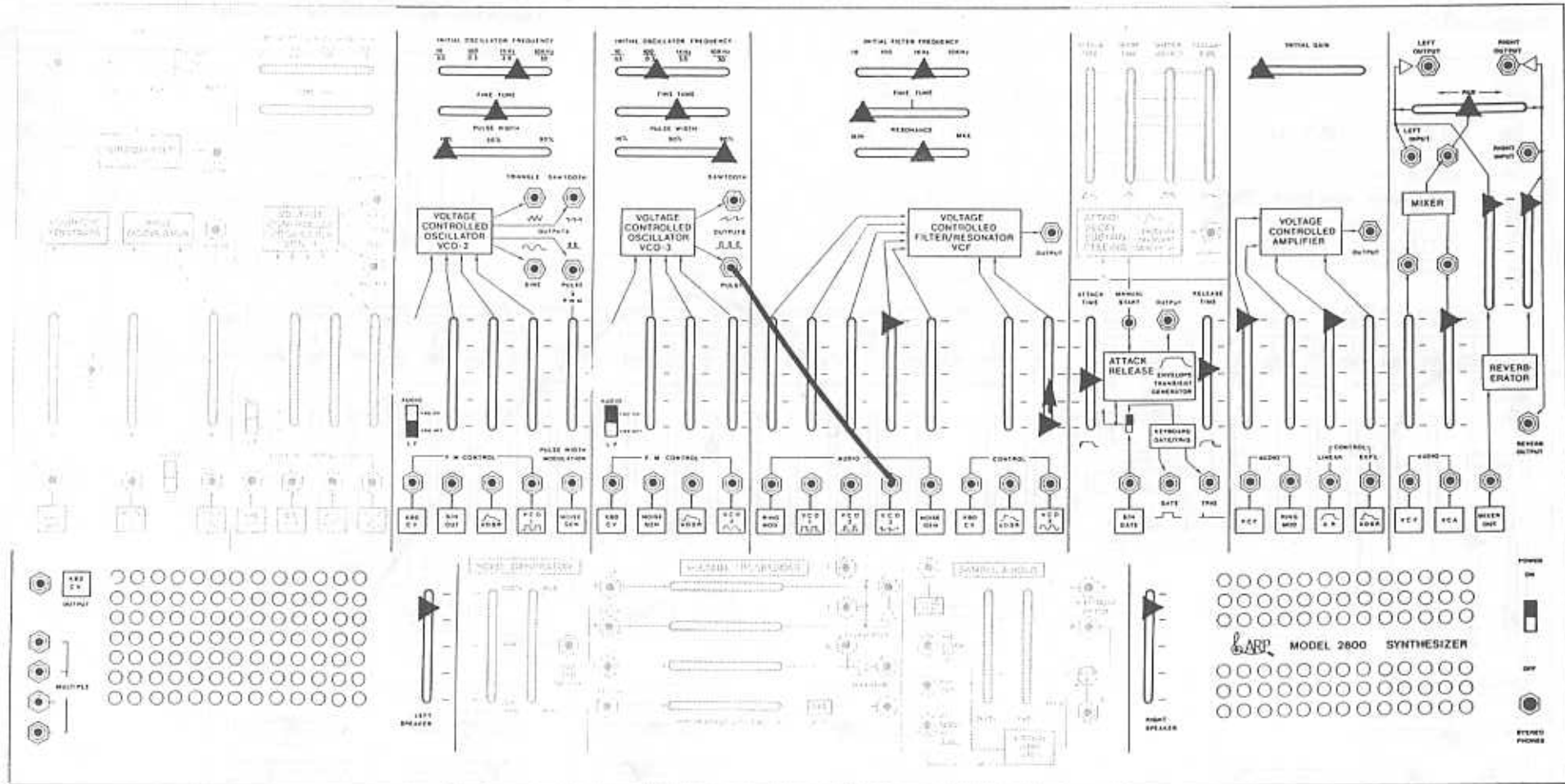
2 PATCHCODES

Cello Section

VCO TUNING



VCO 3



1. Tune VCO 3 to middle C.
2. Raise VCO 2 f into VCF and adjust VCO 2 frequency for tremolo speed.

1 PATCHCORD

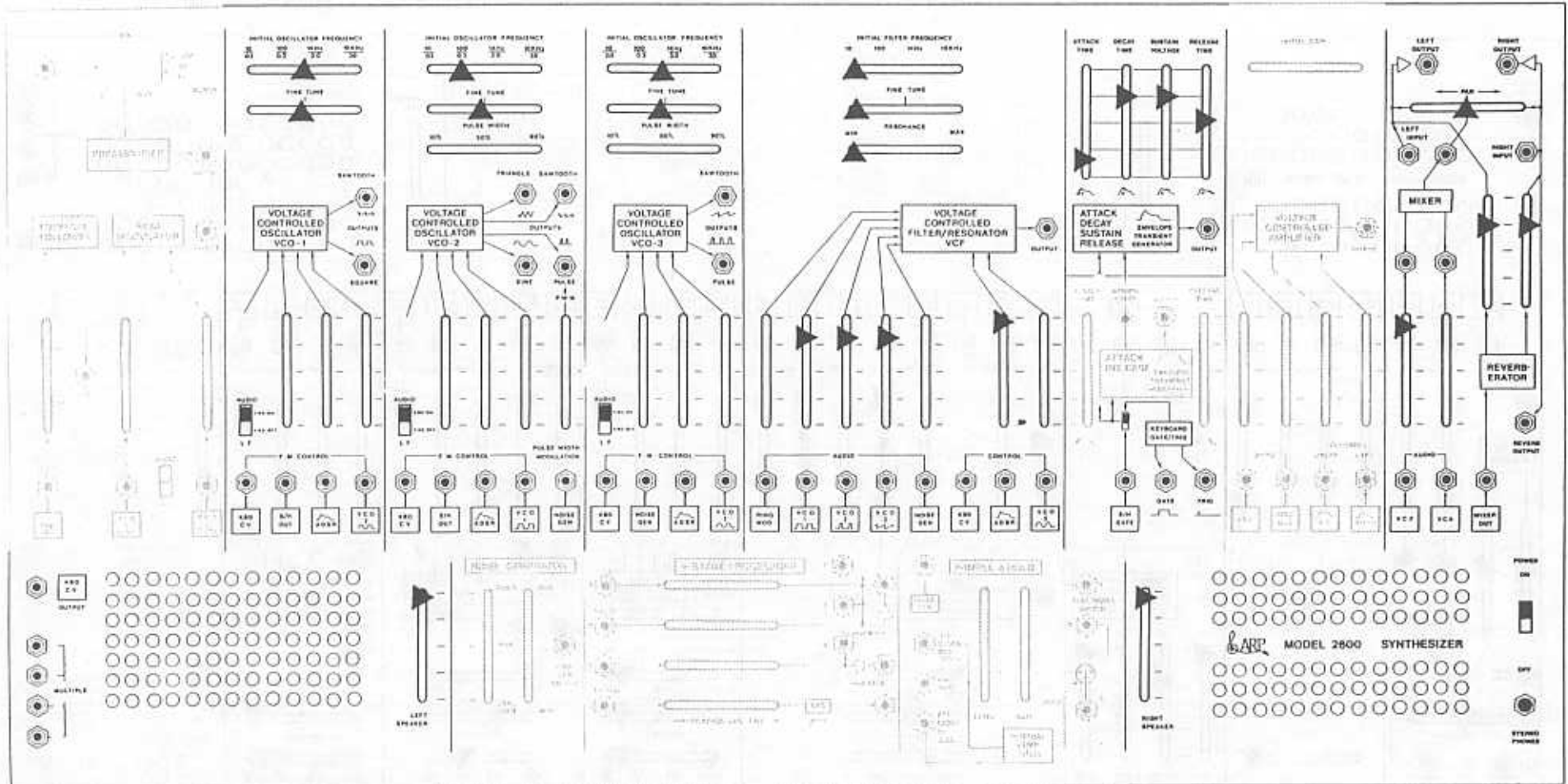
Cowboy Harmonica

14.

VCO TUNING



VCO 2 VCO 143



Portamento



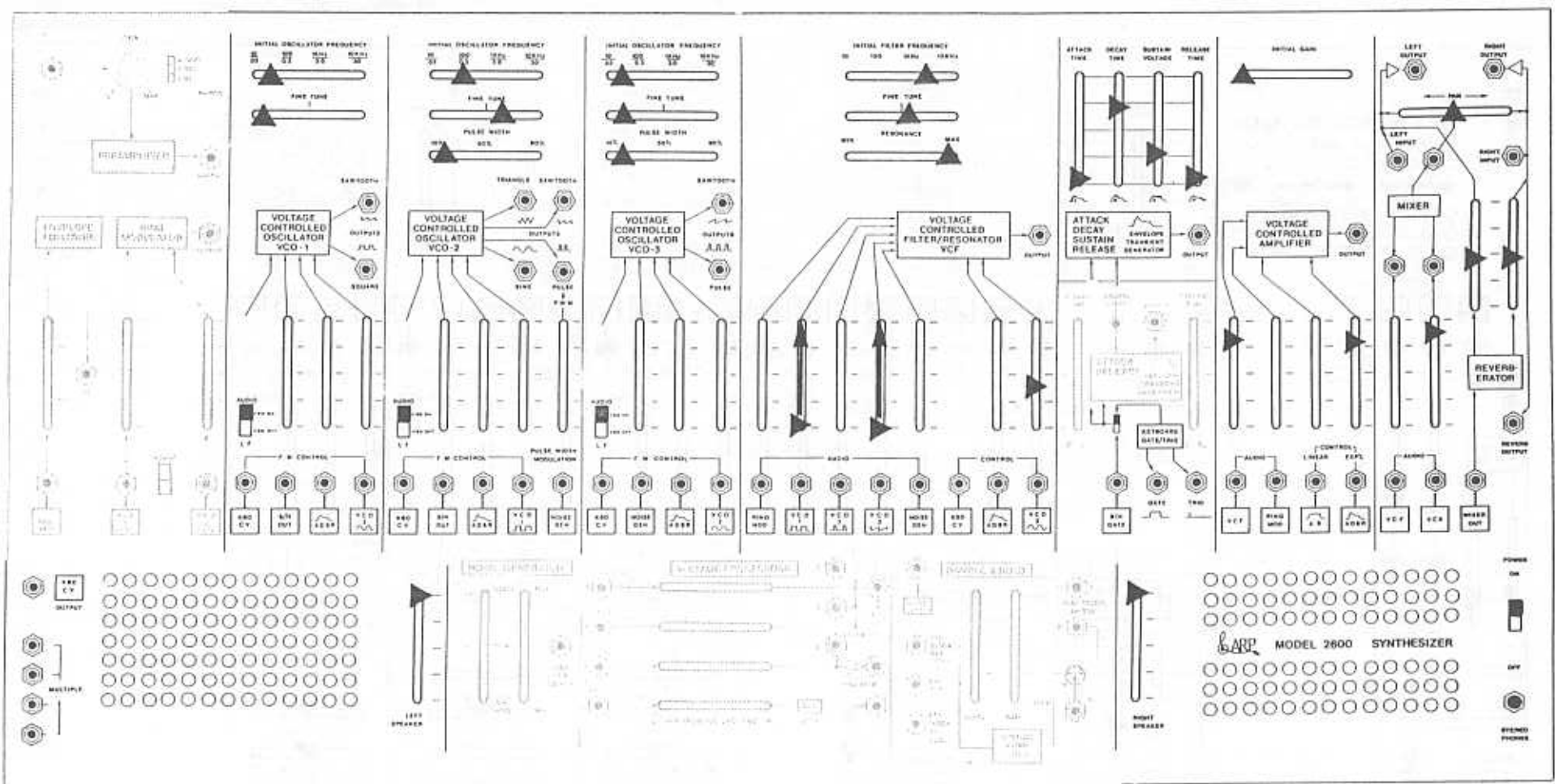
Tune: VCO 1 to middle C.
VCO 2 to one octave below middle C.
VCO 3 to middle C.

Classic ARP 2600 Patch

VCO TUNING



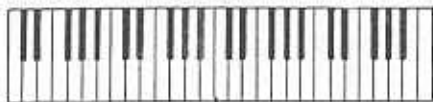
VCO 1+3 VCO 2



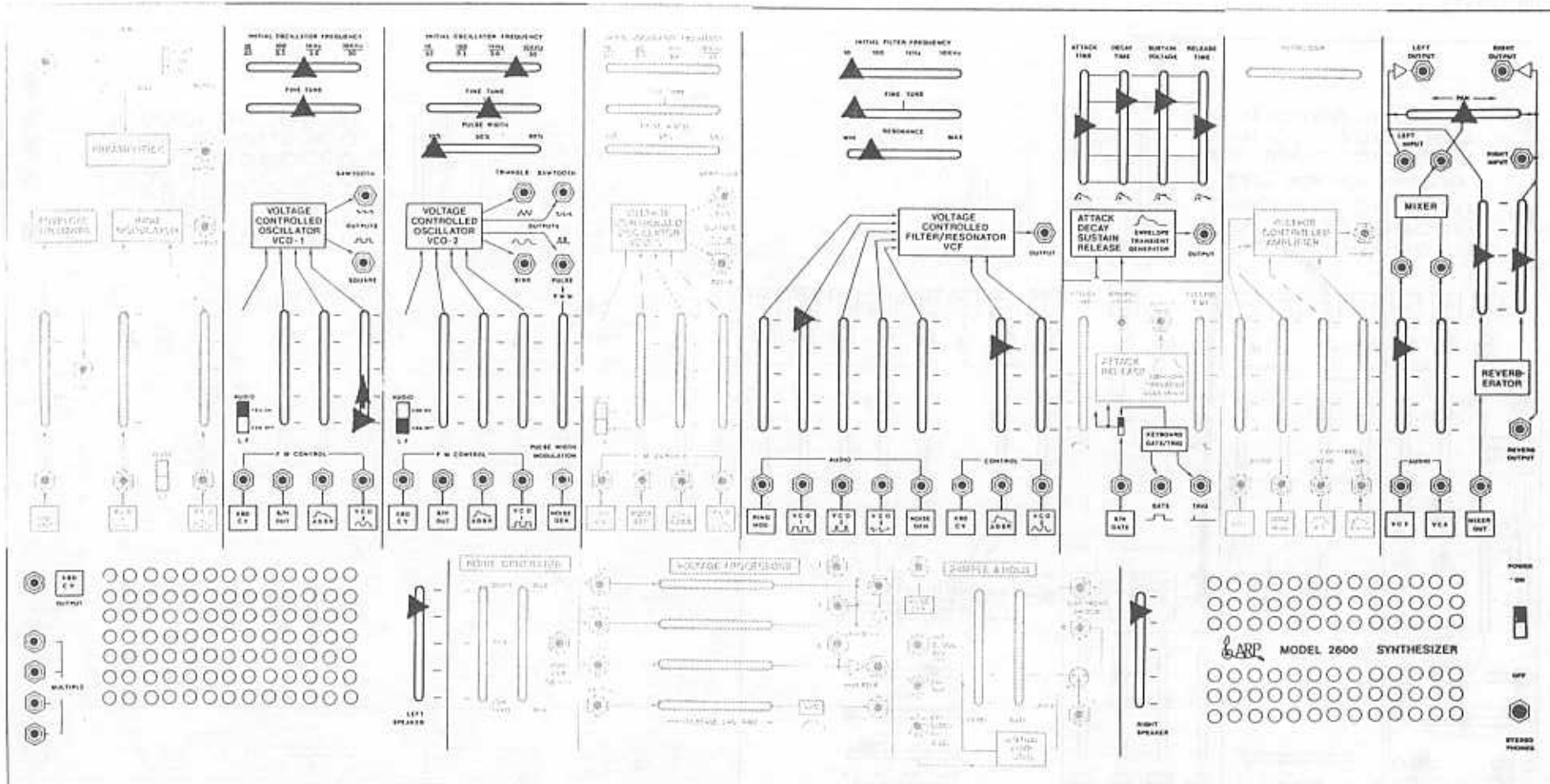
OPTION: Raise VCO 1 | or VCO 3 | into VCF.
Tune to one octave below VCO 2

Electric Mouth-harp

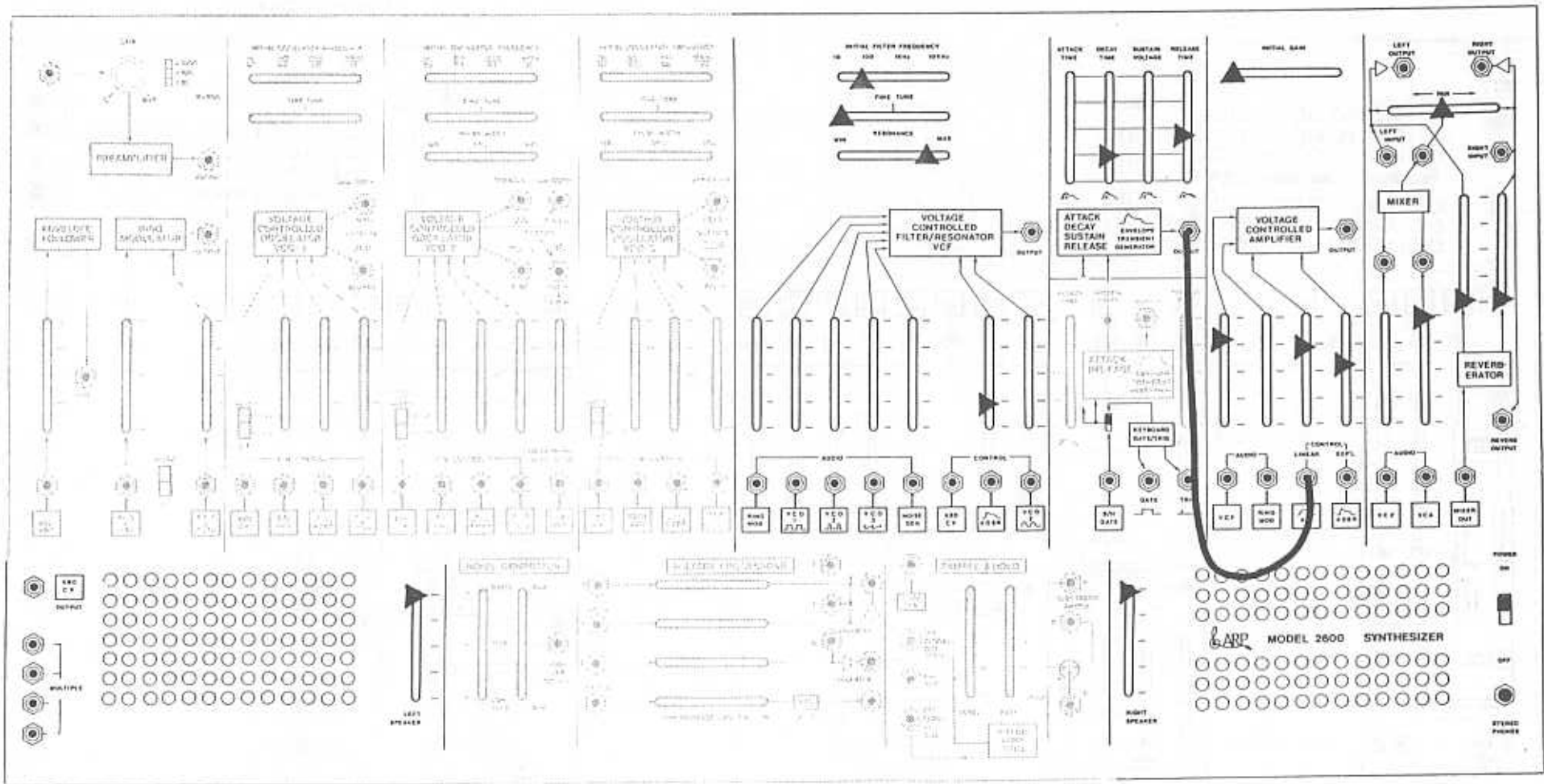
VCO TUNING



VCO 1



1. Tune VCO 1 to middle C.
2. Raise VCO 2 | into VCO 1 for vibrato.
3. Adjust VCO 2 frequency for vibrato speed.



1 PATCHCORD

Big Bass Drum

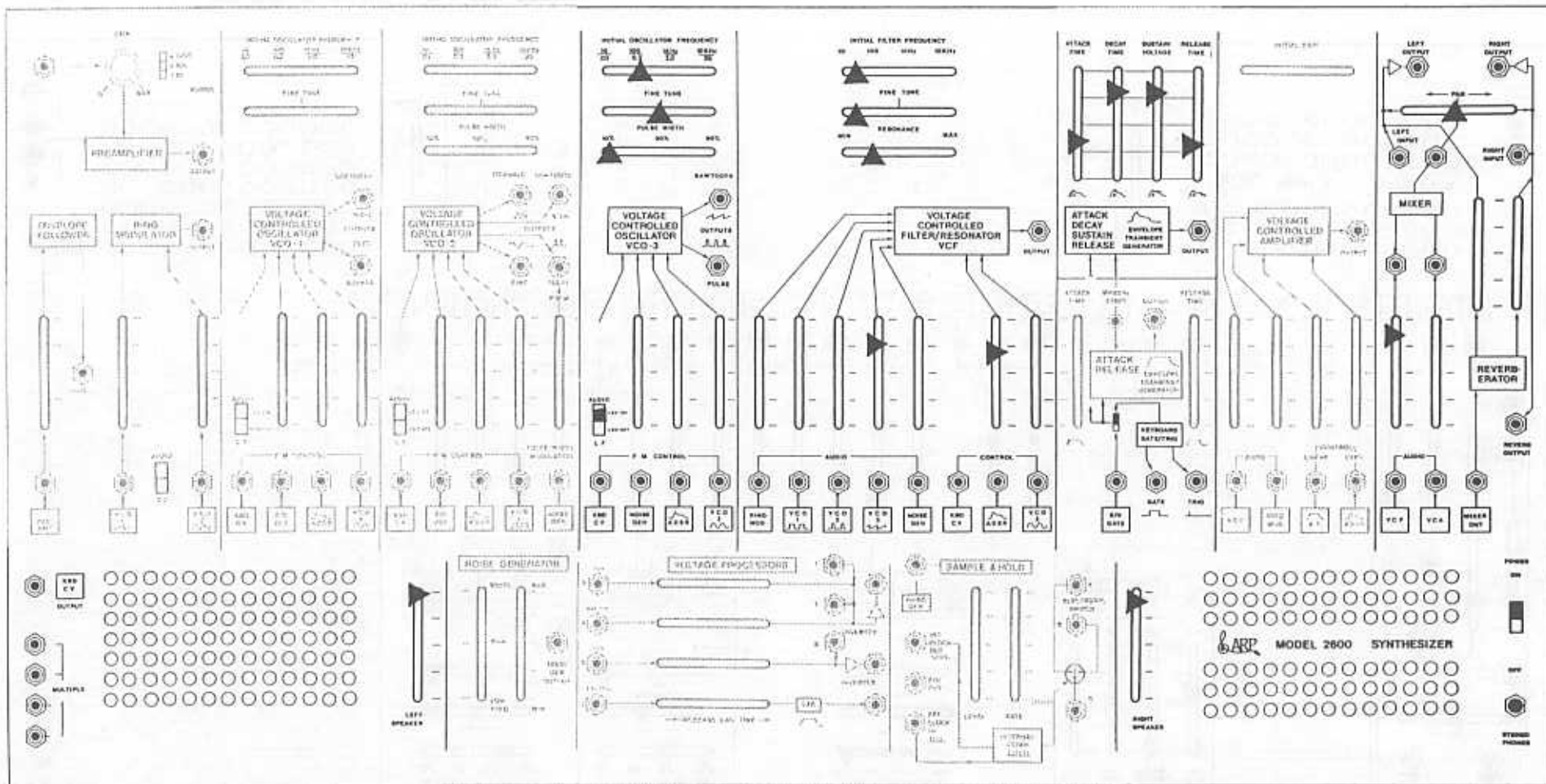
18.



VCO TUNING



VCO 3



Portamento

Tune VCO 3 to one octave below middle C.
Switch Portamento on for trombone slides.

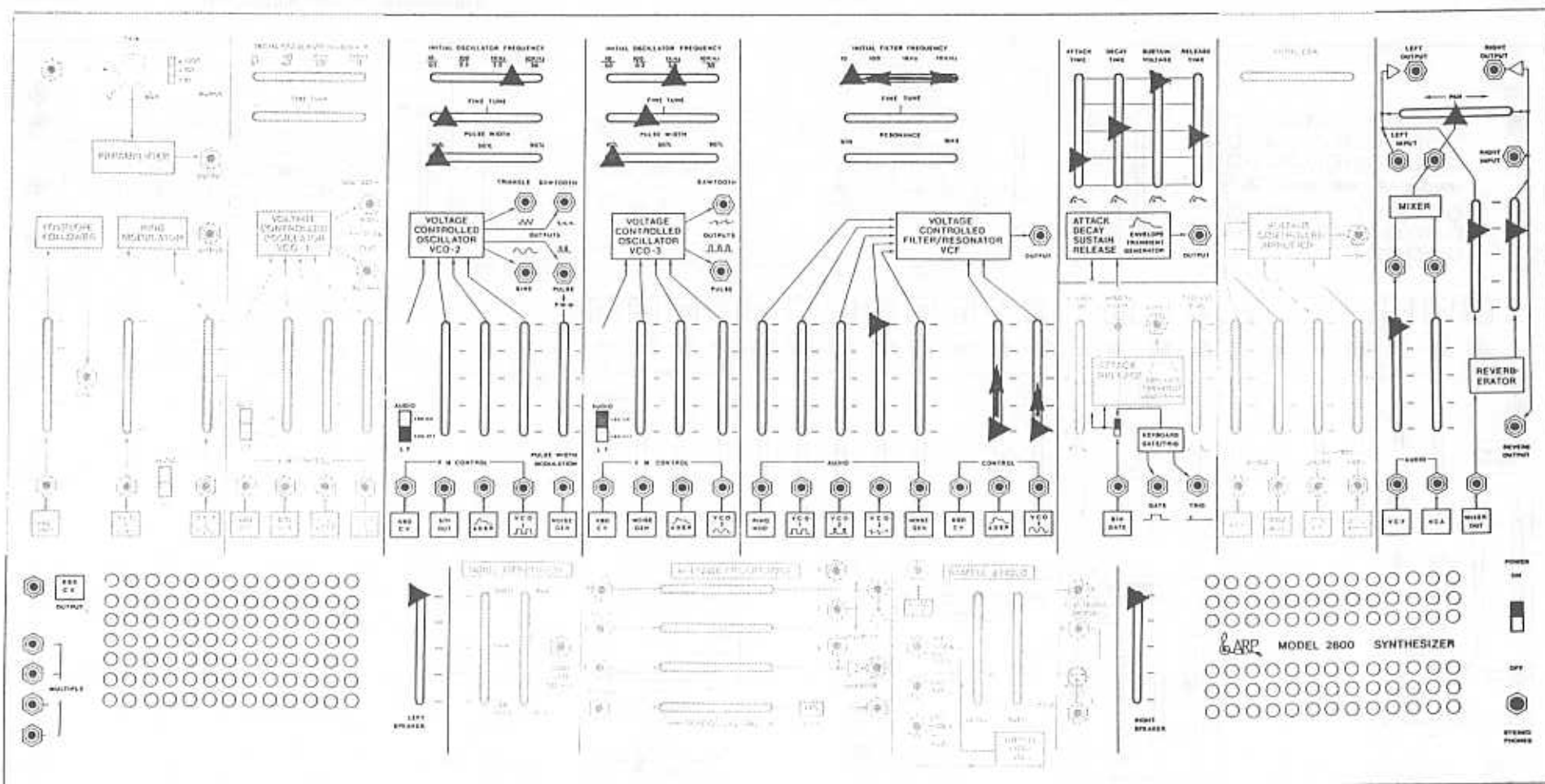


Trombone/ Tuba

VCO TUNING



VCO 3



1. Open VCF \leftarrow and tune VCO 3 to one octave above middle C.
2. Close VCF \leftarrow and raise ADSR \uparrow into VCF for brightness.
3. Raise VCO 2 \downarrow into VCF for tremelo.
4. Adjust VCO 2 frequency for tremelo speed.

1 PATCHCORD

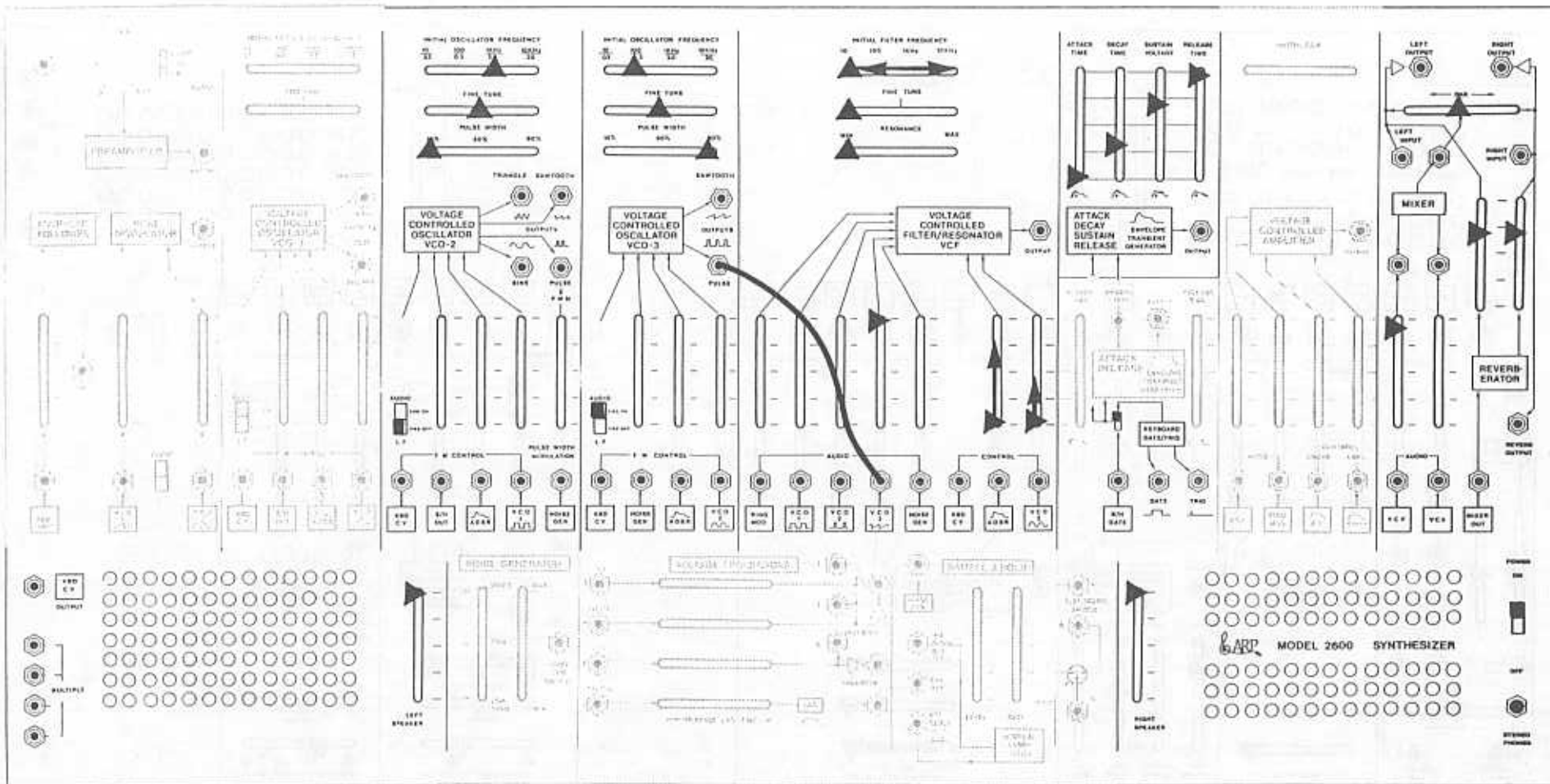
Flute

20.

VCO TUNING



VCO 3



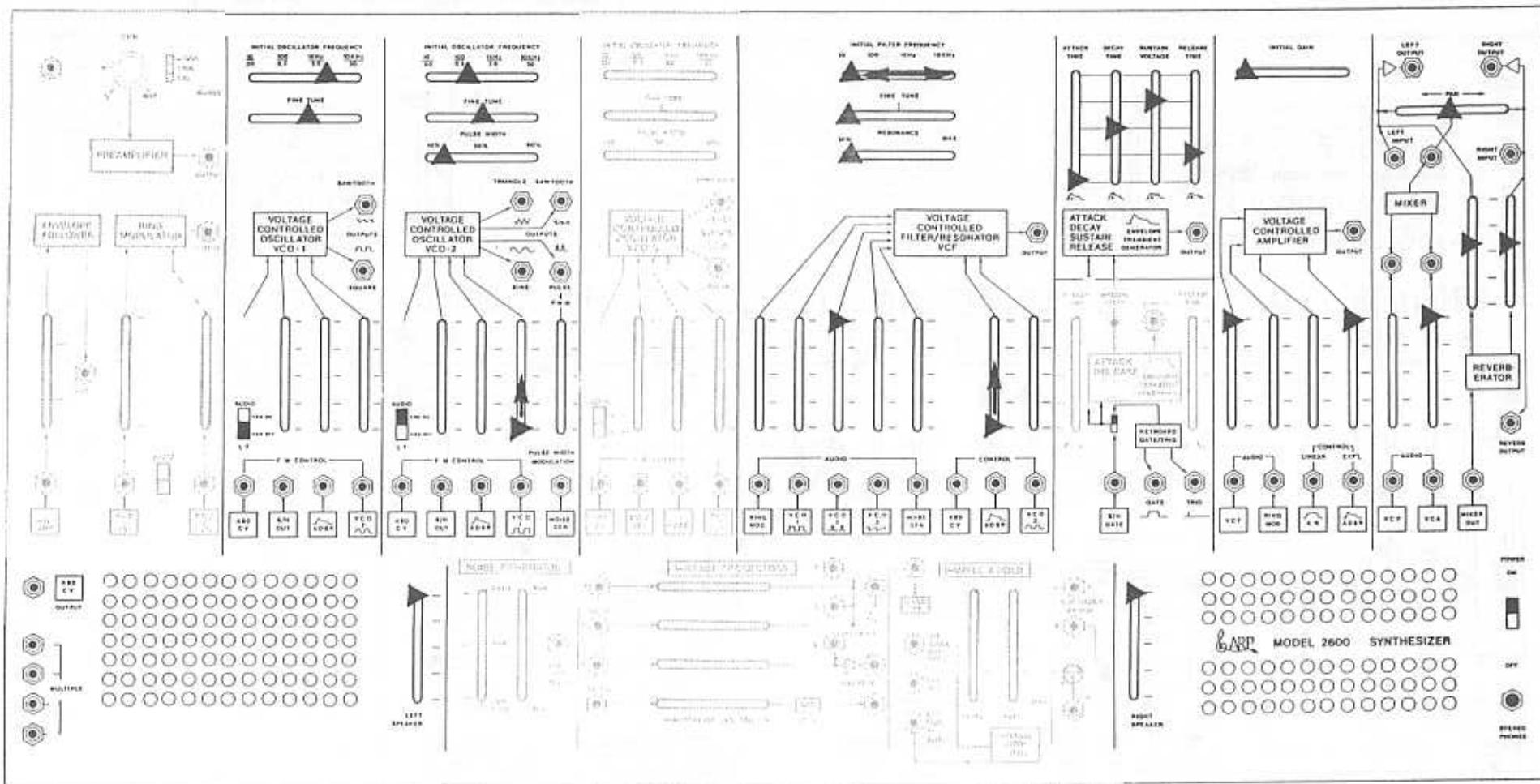
1. Open VCF — and tune VCO 3 to one octave below middle C.
2. Close VCF — and raise ADSR and VCO 2 | into VCF.
3. Adjust VCO2 frequency for tremelo speed.

1 PATCHCORD

VCO TUNING



VCO 2



1. Open VCF ← and tune VCO 2 to middle C.
2. Close VCF ← and raise ADSR ↓ into VCF.
3. Raise VCO 1 ↓ into VCO 2 and adjust VCO 1 frequency for trill speed.
4. Bring VCO 1 ↓ in and out of VCO 2 during performance for trills.

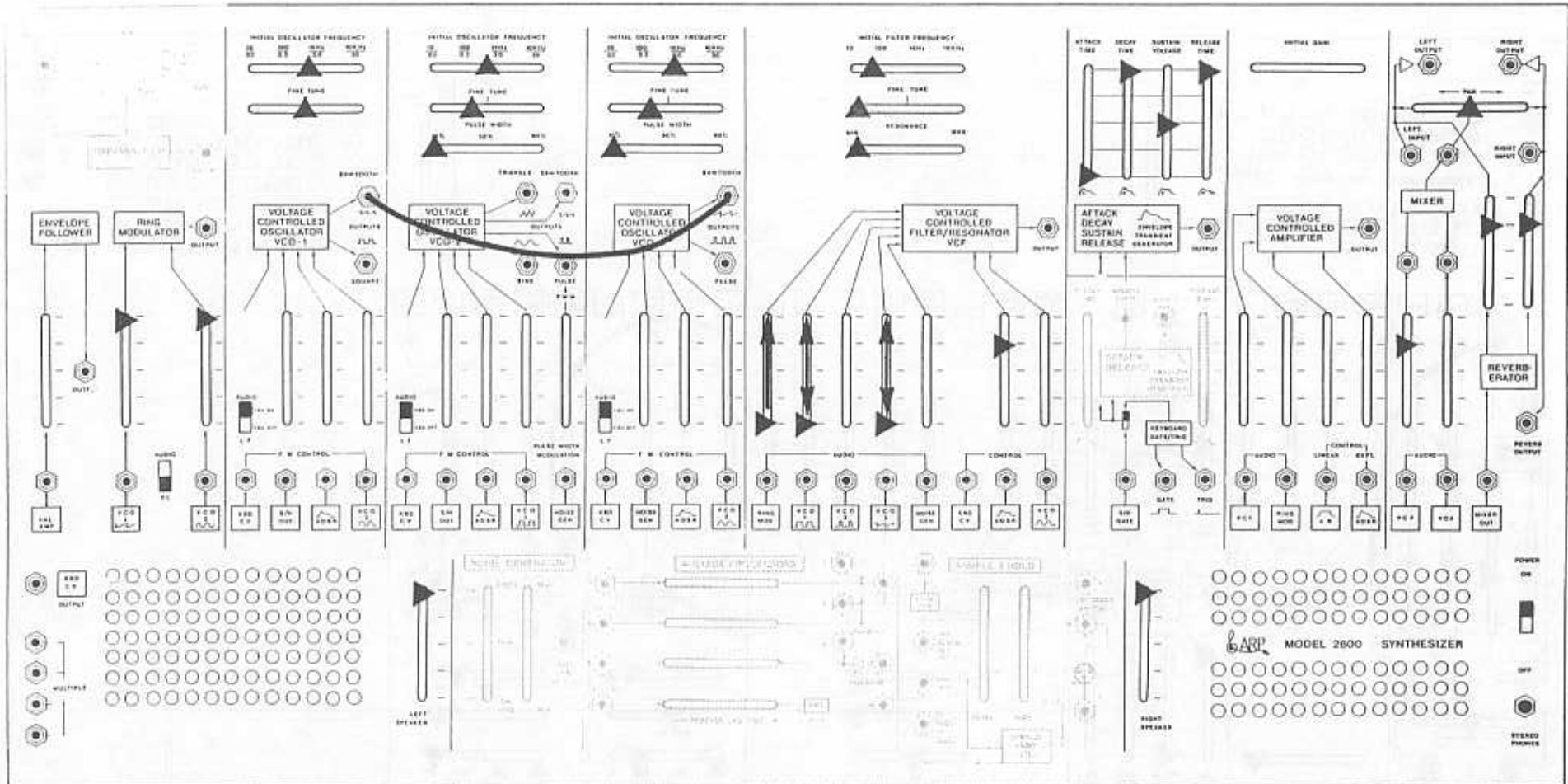
Jazz Guitar

22.

VCO TUNING



VCO 1+3



1. Raise VCO 1 and 3 | into VCF.
2. Tune VCO 1 and 3 to middle C.
3. Detune VCO 3 by a few beats.
4. Close VCO 1 and 3 | and raise Ring Mod | into VCF.
5. Adjust VCO 2 frequency for different effects.

1 PATCHCORD

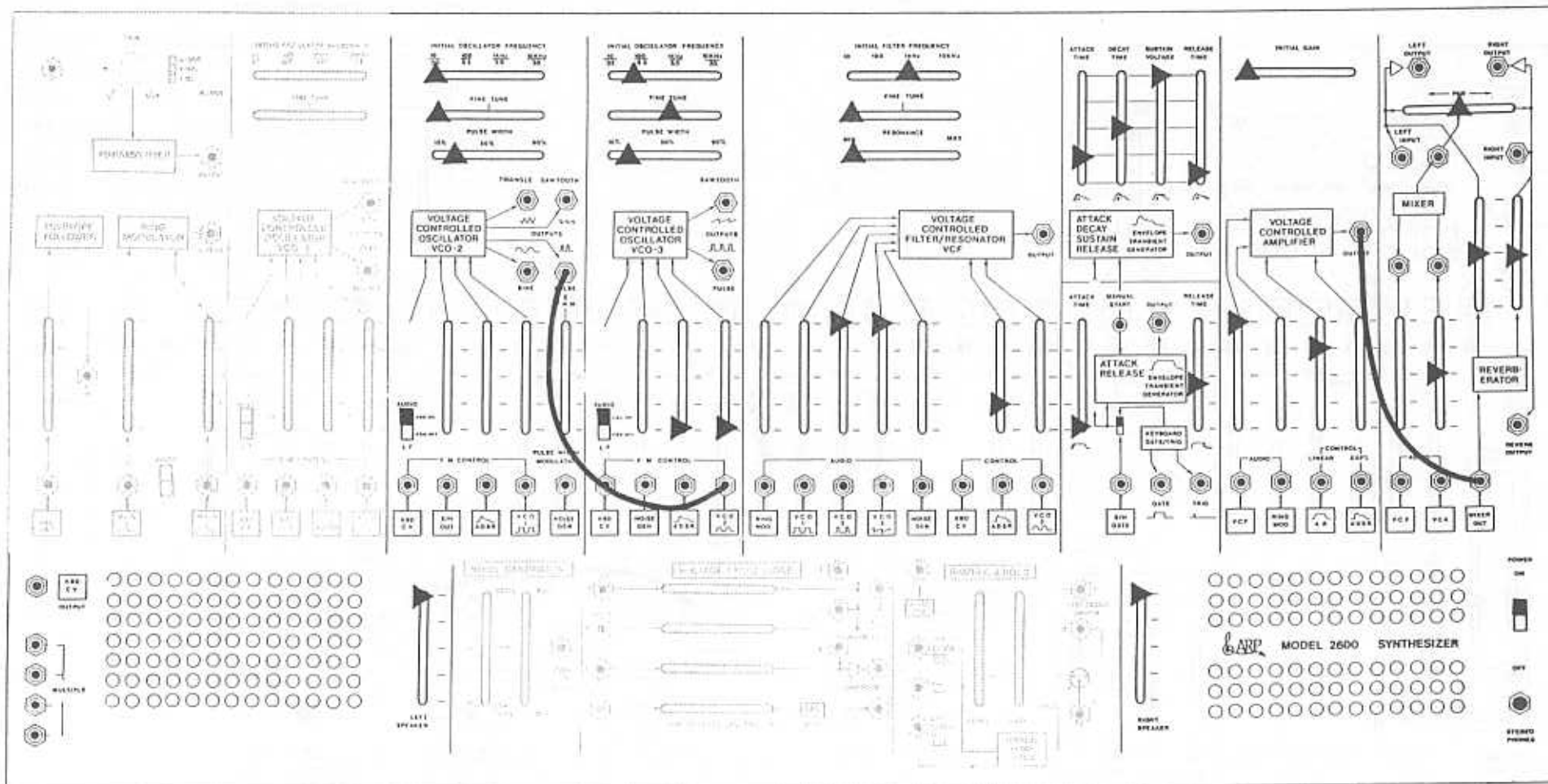
Ceremonial Gong

23.

VCO TUNING



VCO 2 VCO 3



Tuning



(Pitch Bender)

1. Play Key C3 and tune VCO 3 to an octave above VCO 2, which is tuned as shown.
2. Raise VCO 2 | fully into VCO 3.
3. Raise ADSR | into VCO 3 until a solid tone without beats is heard.

2 PATCHCORDS

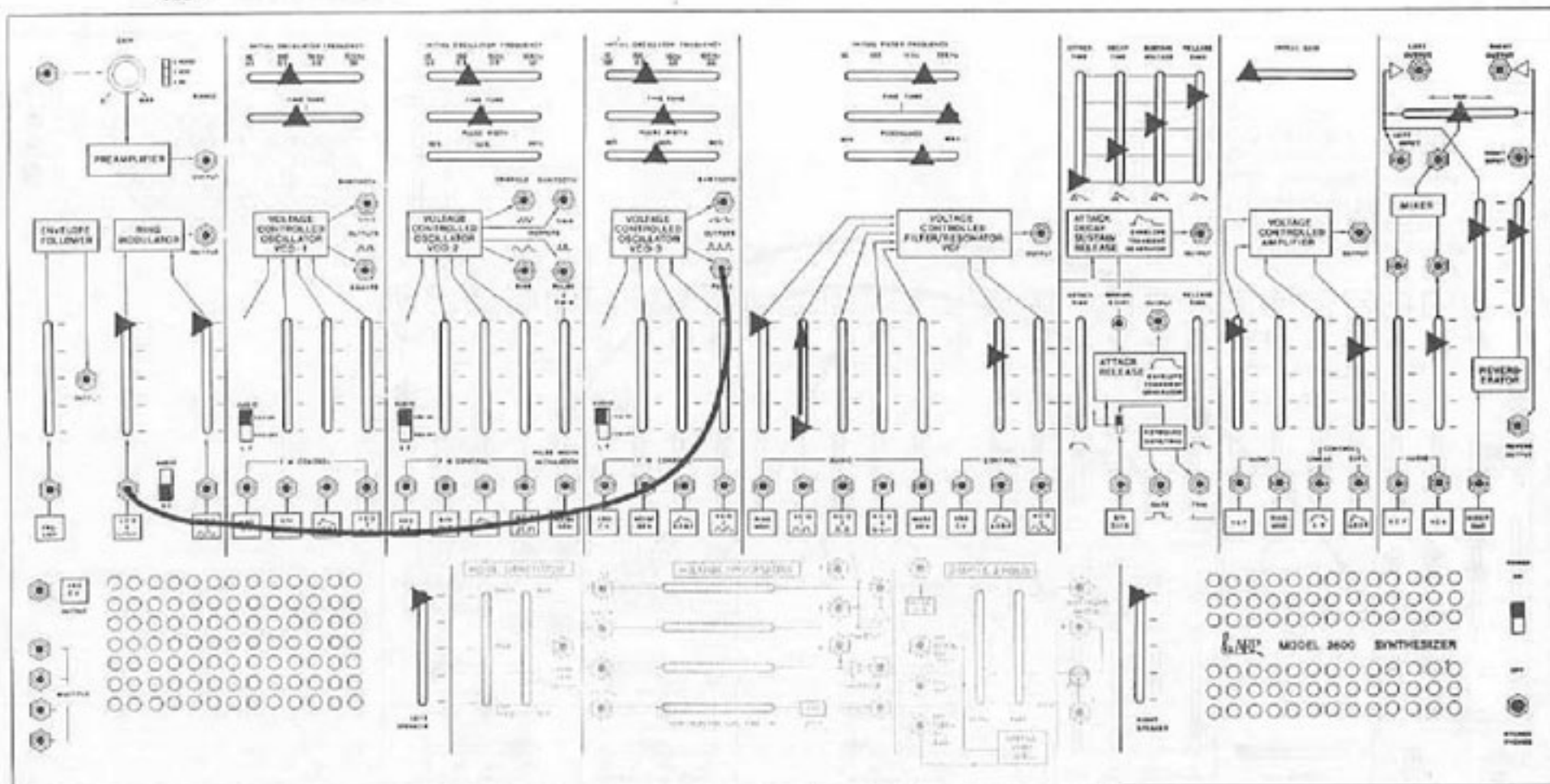
Heavy Metal Fuzz Lead

24.

KEYBOARD RANGE: TOP 2 OCTAVES



VCO 2+3
VCO 1



1. Tune VCO 2 and 3 to middle C.
2. Raise VCO 1 into VCF and tune a few beats off.

OLDSCHOOL-SOUND

www.oldschool-sound.com

!!!!!! An exclusive free release !!!!!!

SCAN by PASCALW -aka- "Analog Monkey"
Free manuals for Free Vintage addicts ! Creative use only

\$\$\$ Not For Resale \$\$\$

(: Le bizness de ressources est un sport de ptizis :)

1 PATCHCORD

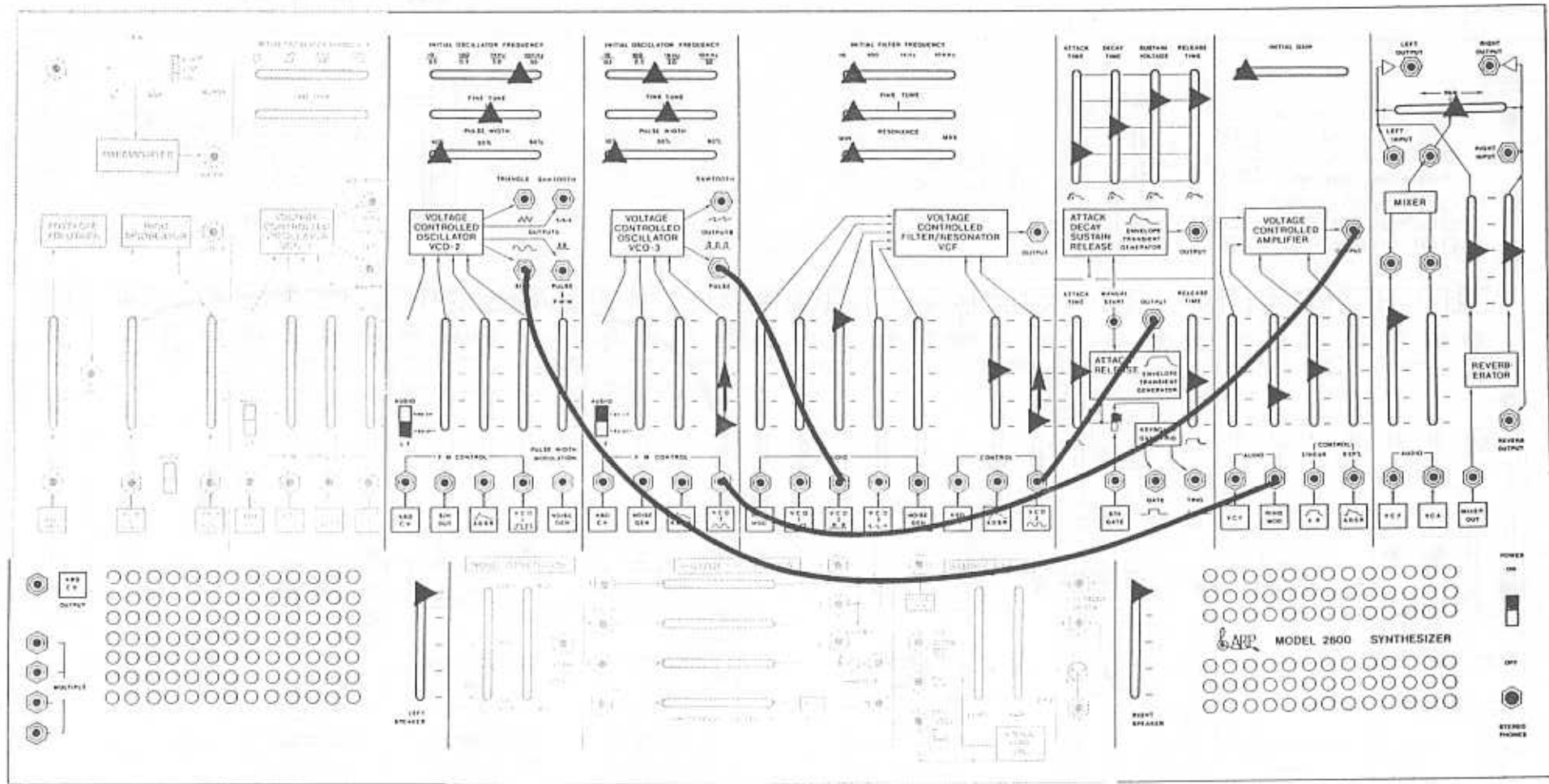
65¢ Piano

25.

VCO TUNING



VCO 3



1. Tune VCO 3 to middle C.
2. Raise | into VCO 3 and adjust VCO 2 frequency for vibrato speed.
3. Raise | into VCF for delayed brilliance.

4 PATCHCORDS

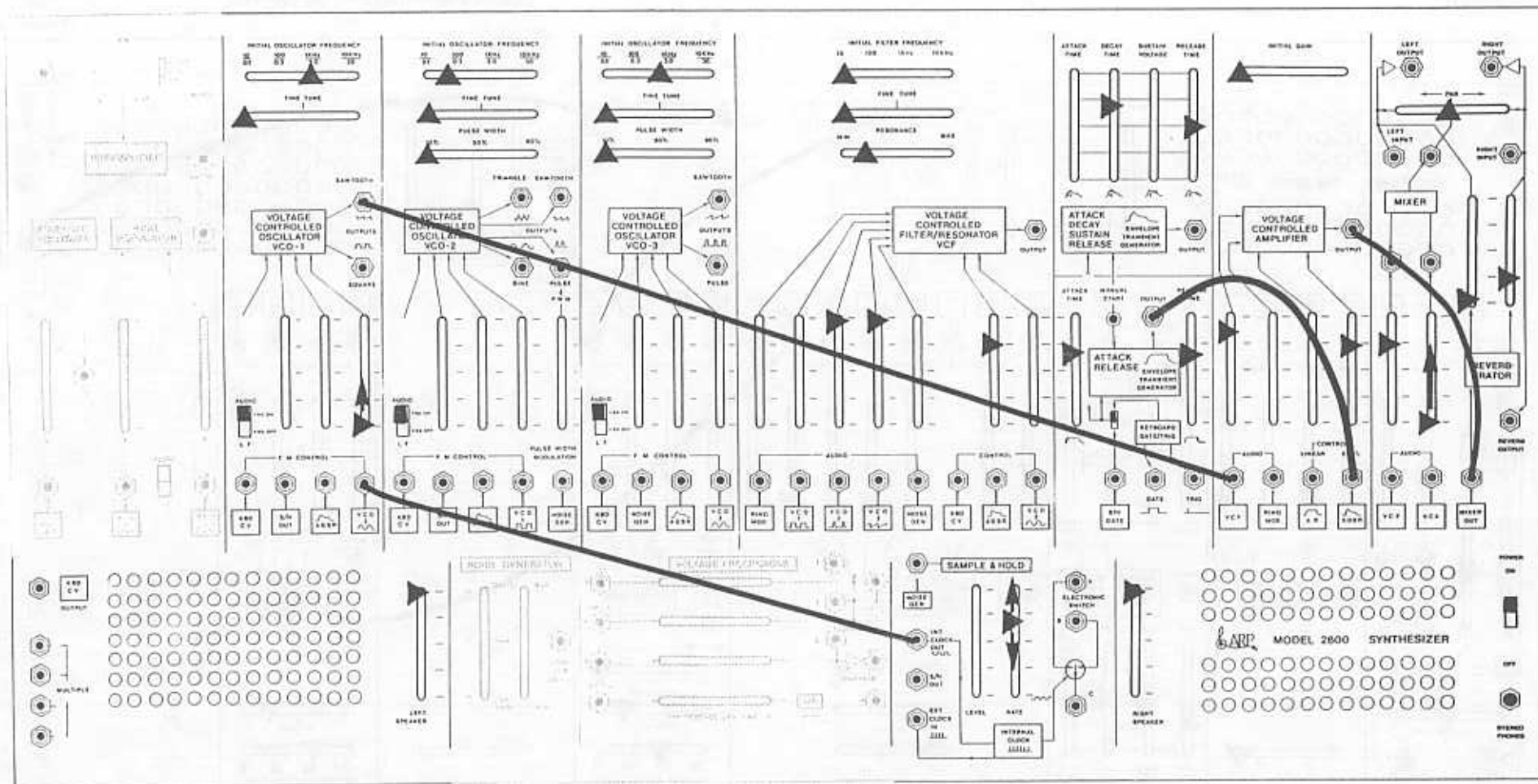
Doc Trumpet

26.

VCO TUNING



VCO 2 VCO 3 VCO 1



1. Tune: VCO 3 to middle C.
VCO 2 to one octave below middle C.
VCO 1 to one octave above middle C.
2. Raise $\left| \begin{array}{c} \text{VCO 1} \\ \text{VCO 1} \end{array} \right.$ into VCO 1 and adjust S/H Rate for vibrato speed.
3. Raise VCA $\left| \begin{array}{c} \text{VCA} \\ \text{VCA} \end{array} \right.$ into Mixer for violin presence.

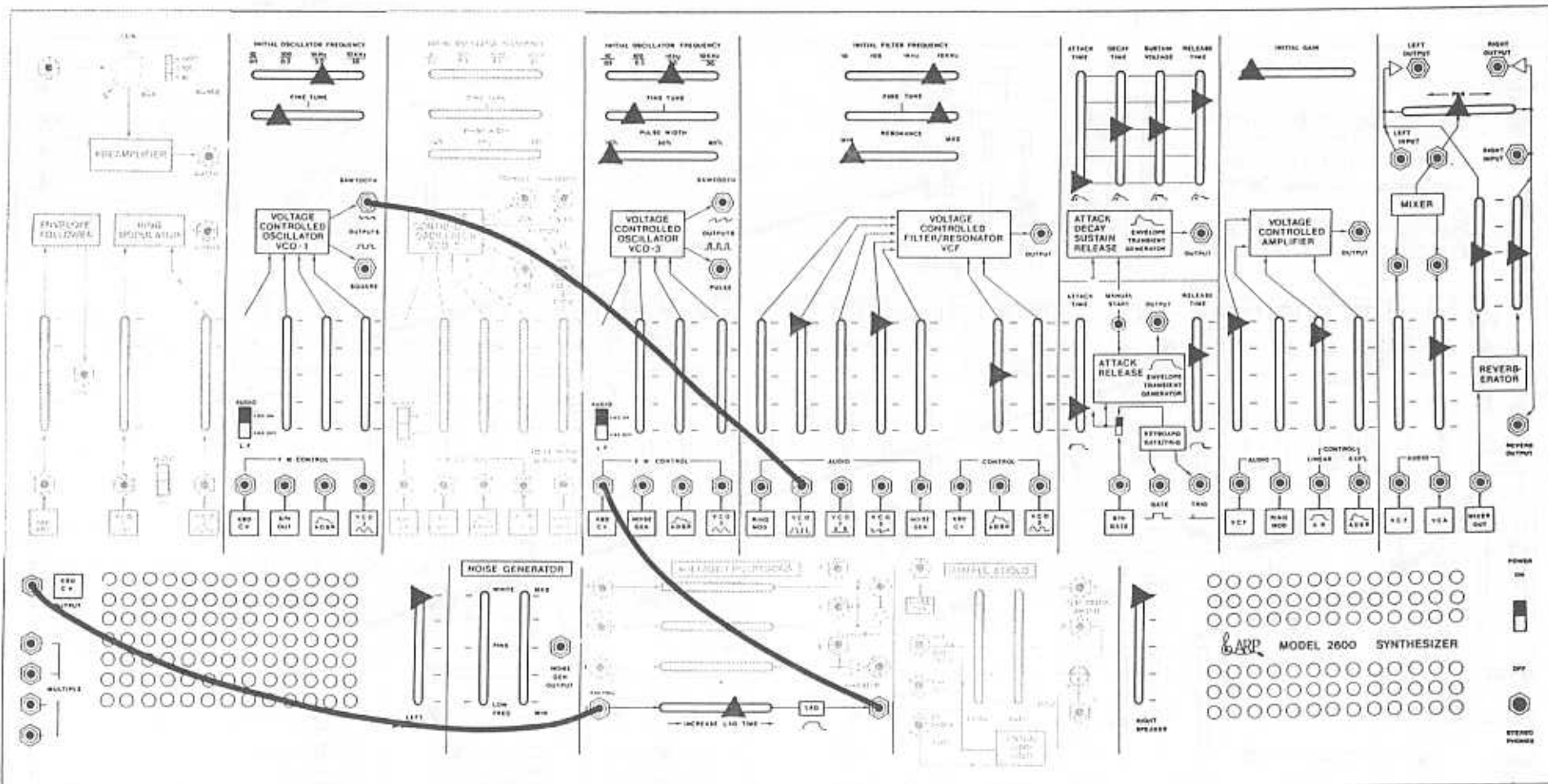
4 PATCHCORDS

Stereo Bass & Delayed Violin

VCO TUNING



VCO 1+3



Portamento



1. Tune VCO 1 and 3 to an octave above middle C.
2. Adjust Lag — for desired keyboard delay.

3 PATCHCORDS

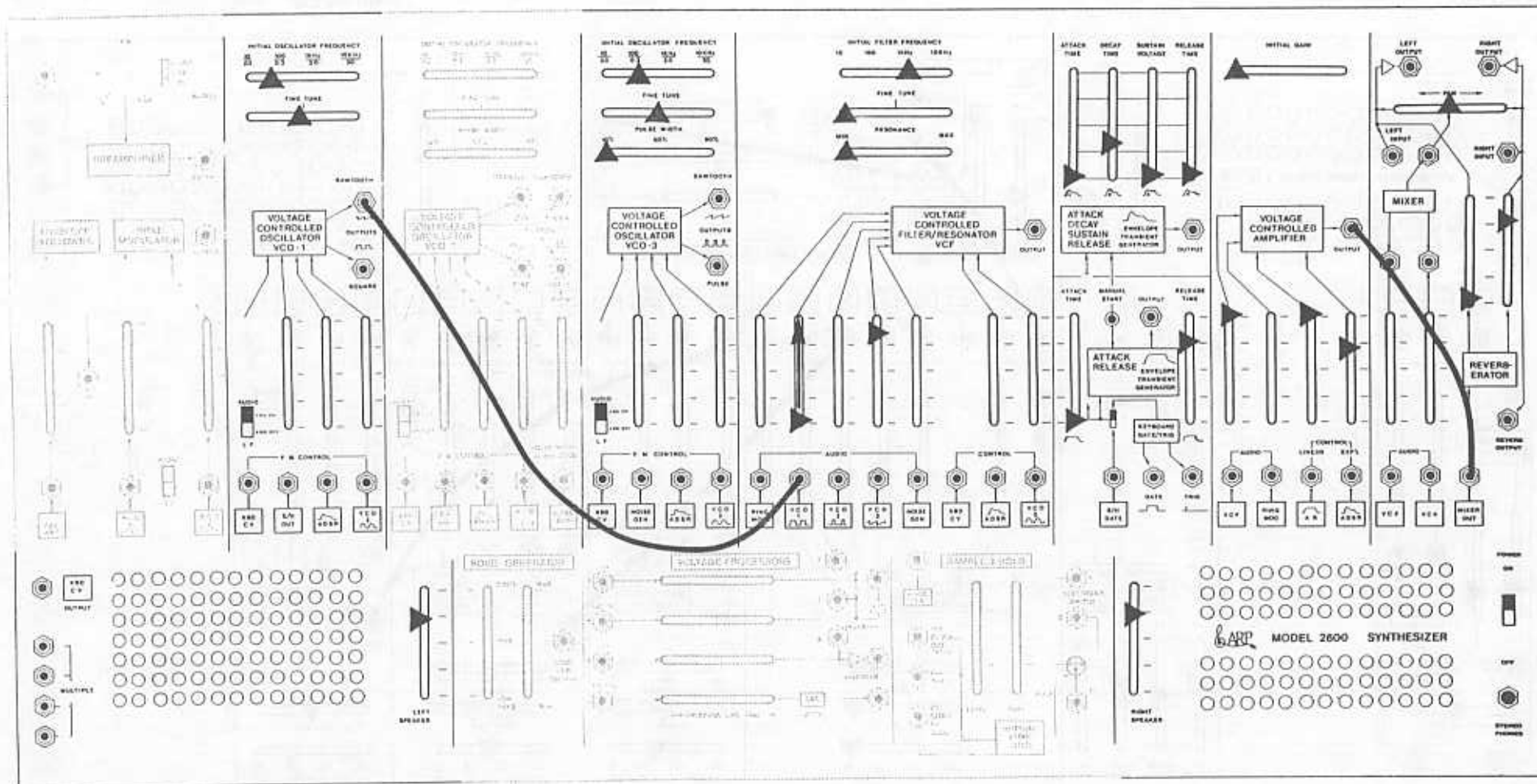
Oriental String Duo

28.

VCO TUNING



VCO 1 VCO 3



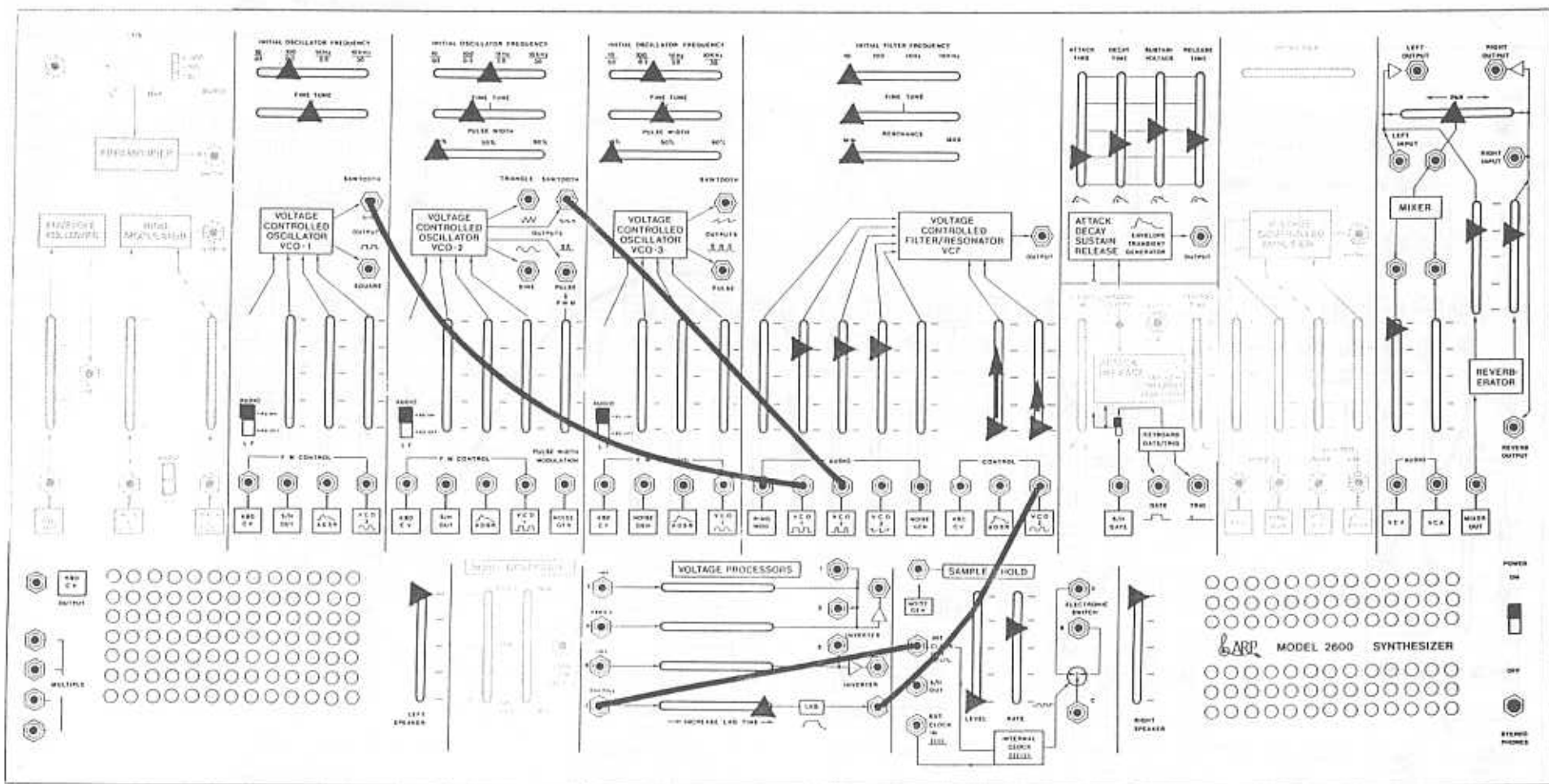
1. Tune : VCO 3 to middle C.
VCO 1 to an octave below middle C.
2. Raise VCO 1 ↑ into VCF for depth.
3. Adjust VCF frequency for brightness.

2 PATCHCORDS

VCO TUNING



VCO 1 VCO 3 VCO 2



1. Tune: VCO 3 to middle C,
VCO 2 to a fourth above middle C (to F),
VCO 1 to a fourth below middle C (to G).
2. Raise ADSR \uparrow into VCF for brightness.
3. Raise \uparrow into VCF and adjust S/H Rate for tremelo speed.

4 PATCHCORDS

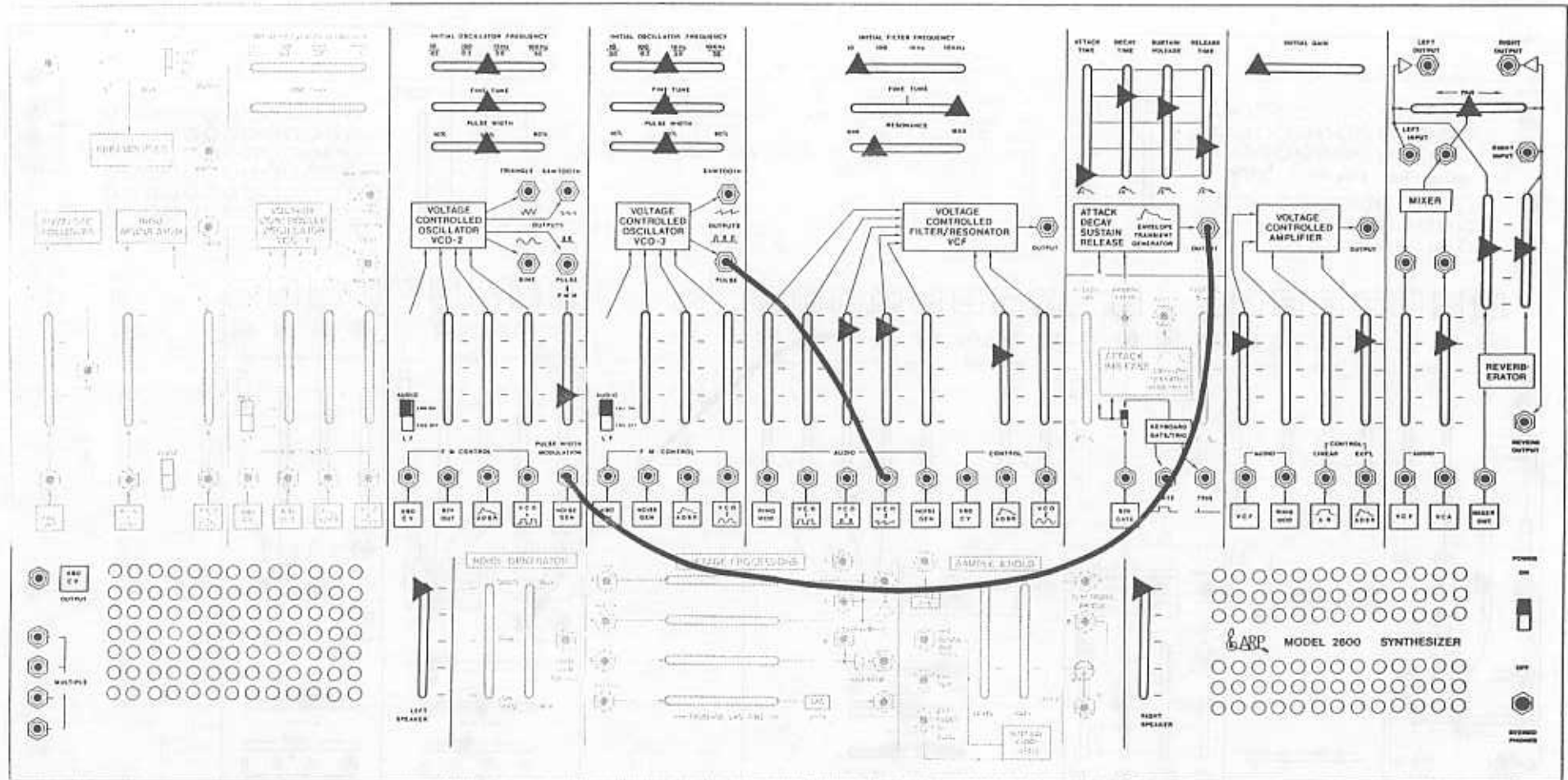
Big Band Brass

30.

VCO TUNING



VCO 2+3



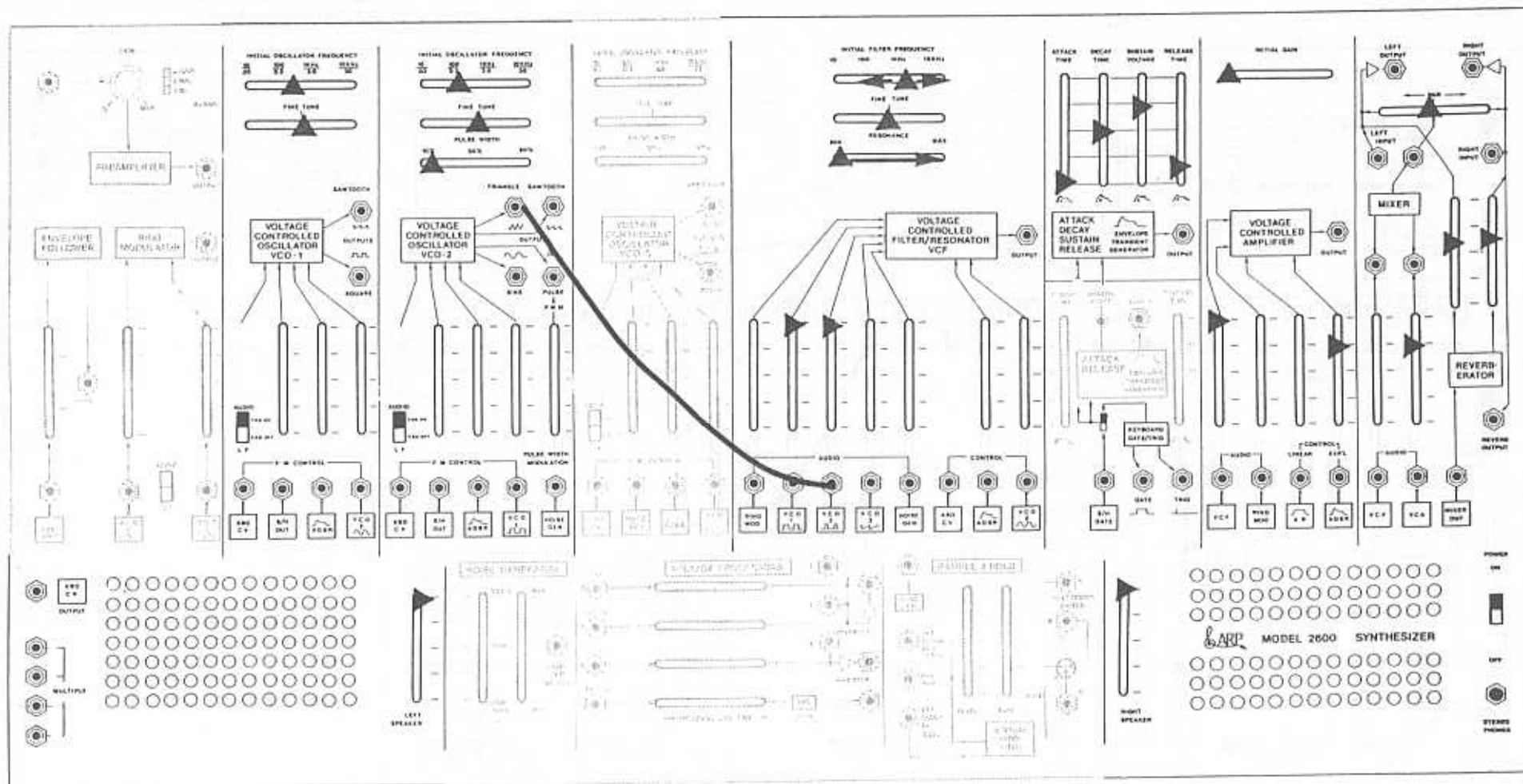
Tune VCO 2 and 3 to middle C.
Pulse Widths must be 50%.

2 PATCHCORDS

VCO TUNING



VCO 2 VCO 1 VCF



1. Open VCF → and tune VCO 1 to one octave below middle C. Tune VCO 2 to two octaves below middle C.
2. Open Resonance → and tune VCF ← to a fifth above VCO 1.

1 PATCHCORD

Zombie Organ

32.

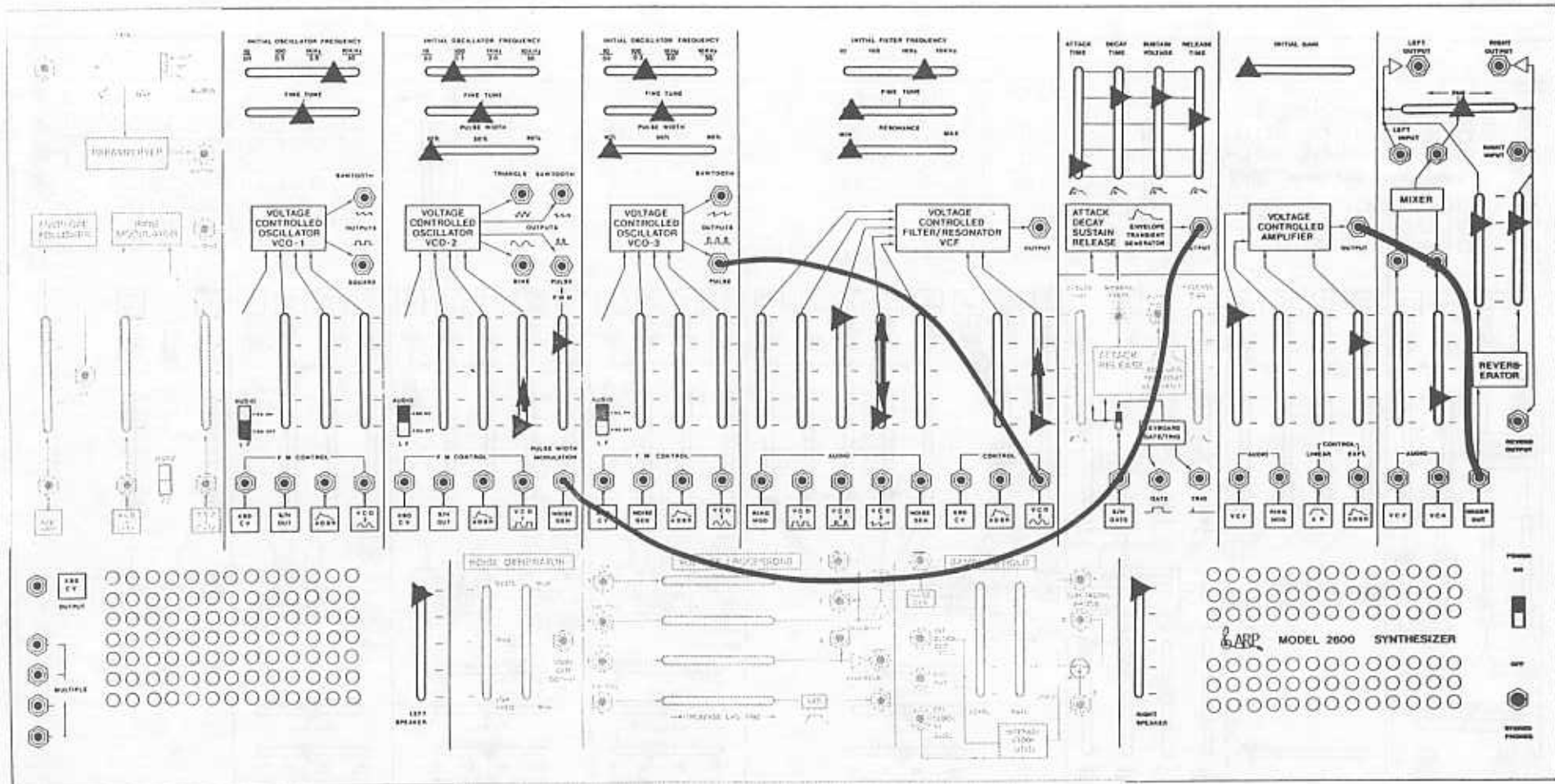
Advanced Instruments

VCO TUNING



VCO 2

VCO 3



Tuning

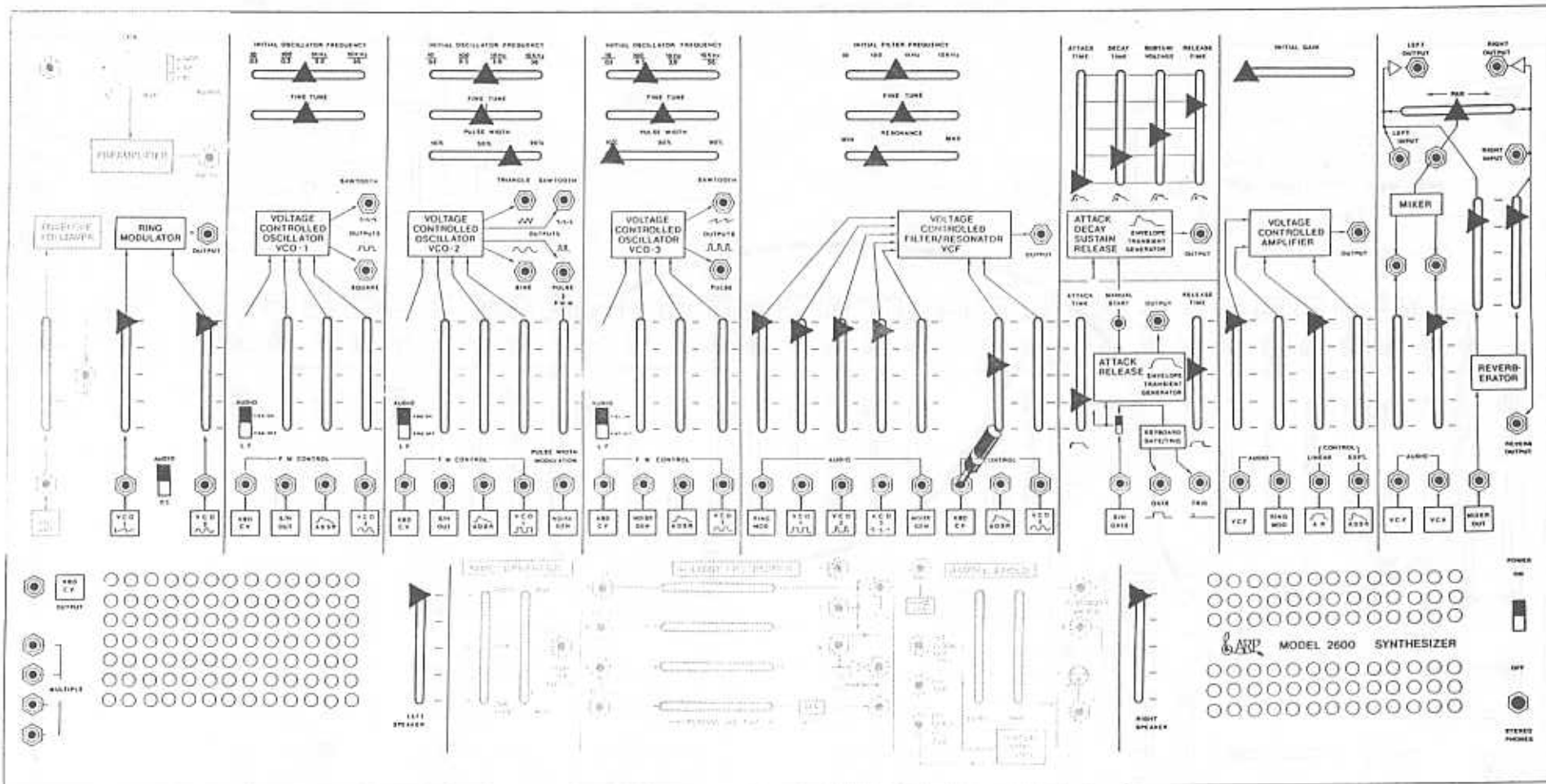


(itch Bender)

1. Tune VCO 2 as shown.
2. Raise VCO 3 \sim into VCF and tune VCO 3 to an octave and a major third above VCO 2. (See intro.)
3. Close VCO 3 $|$ at VCF and raise $|$ into VCF Control to level shown.
4. Raise VCO 1 \sim into VCO 2 and adjust VCO 1 frequency for vibrato speed.
5. Bring VCO 1 \sim in and out of VCO 2 for vibrato during performance.

3 PATCHCORDS

VCO TUNING



Follow tuning instructions detailed in the Introduction.

Lead lines are to be played on the top keys.

Minor chords can be heard on the bottom keys.

1 DUMMY PLUG

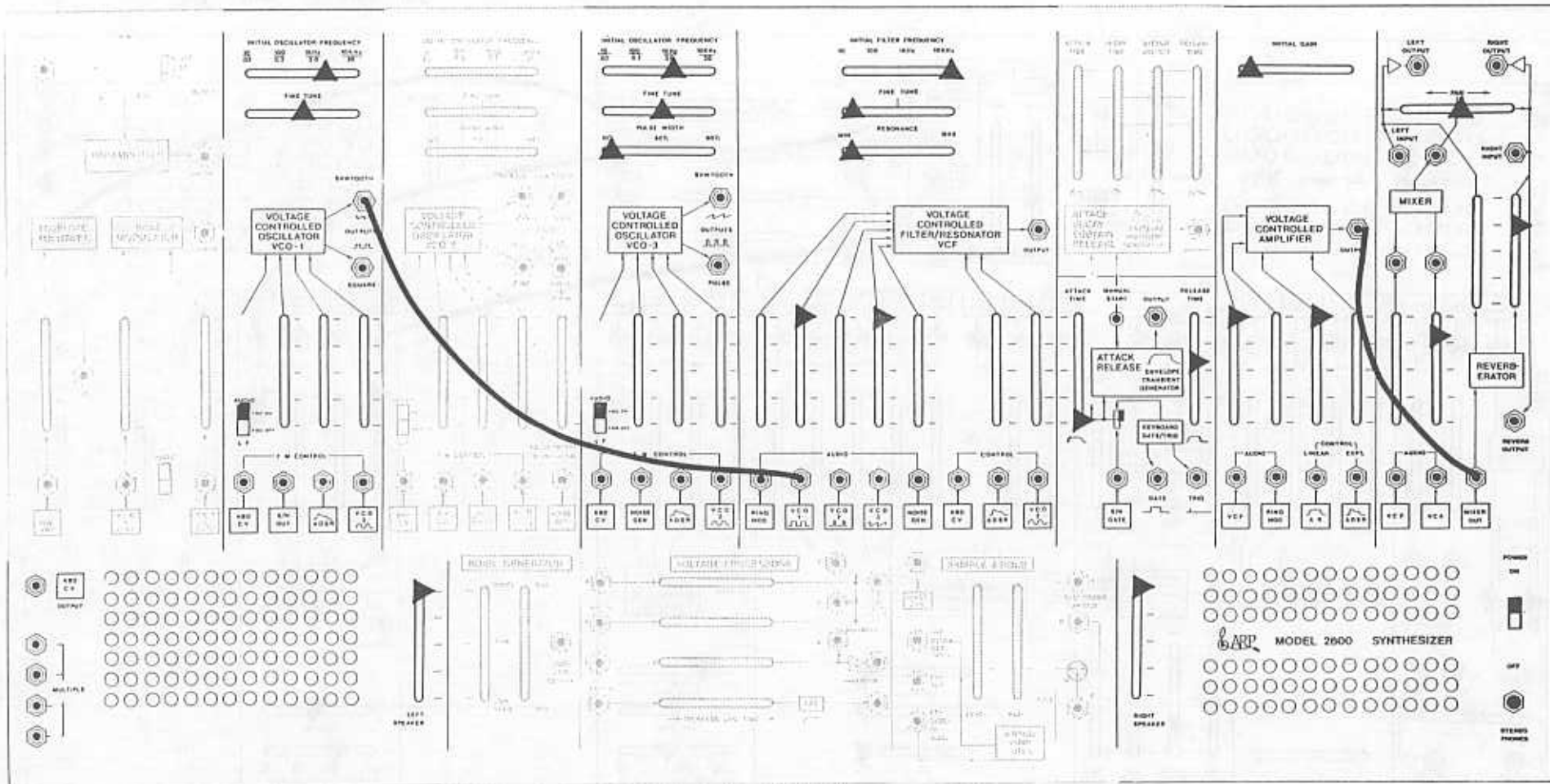
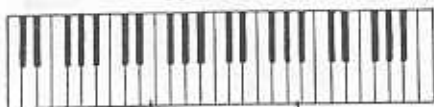
Marimba: Chords & Lead

34.



KEYBOARD RANGE: BOTTOM 2 OCTAVES

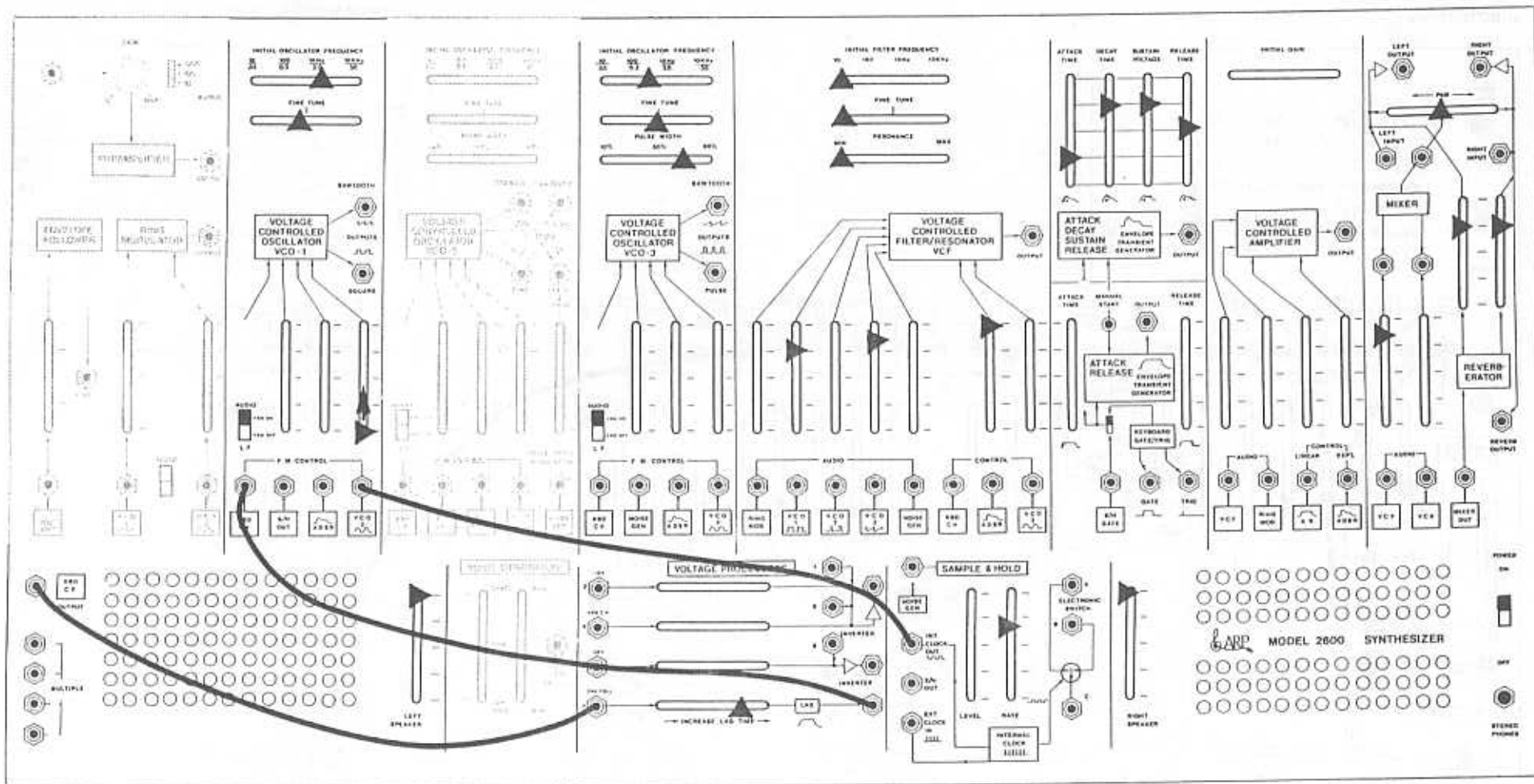
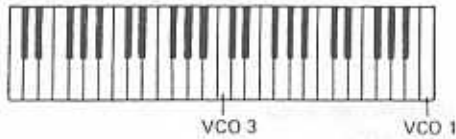
VCO TUNING



1. Tune: VCO 3 as shown.
VCO 1 to one octave and a fourth above VCO 3.
2. Play in short rapid bursts.

2 PATCHCORDS

VCO TUNING



1. Tune VCO 3 to middle C,
VCO 1 to two octaves above middle C.
2. Raise into VCO 1 and adjust S/H Rate for vibrato speed.
3. Note: Whistle will have vibrato and glide; Trumpet is straight.

3 PATCHCORDS

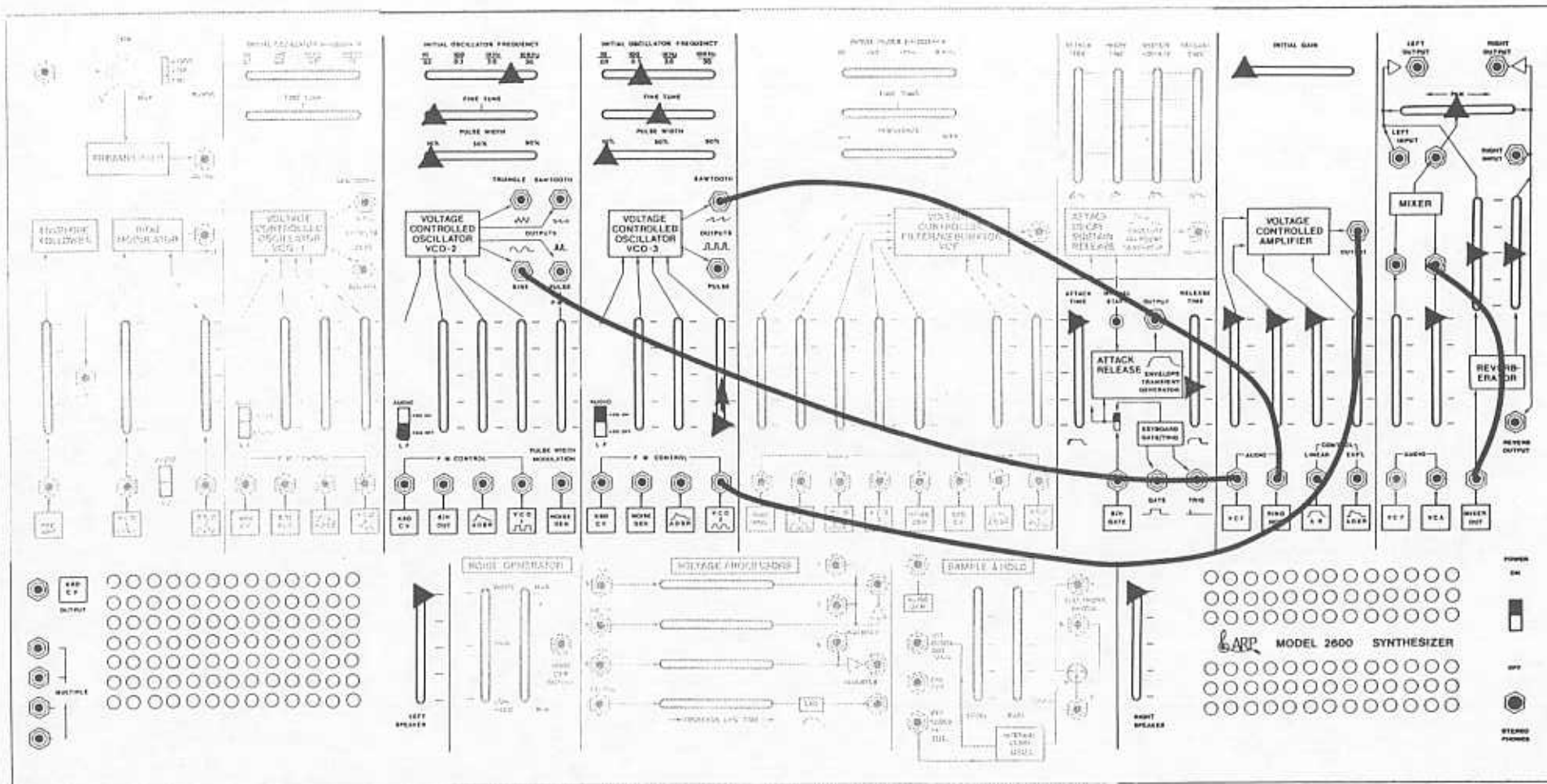
Pennywhistle & Trumpet

36.

VCO TUNING



VCO 3



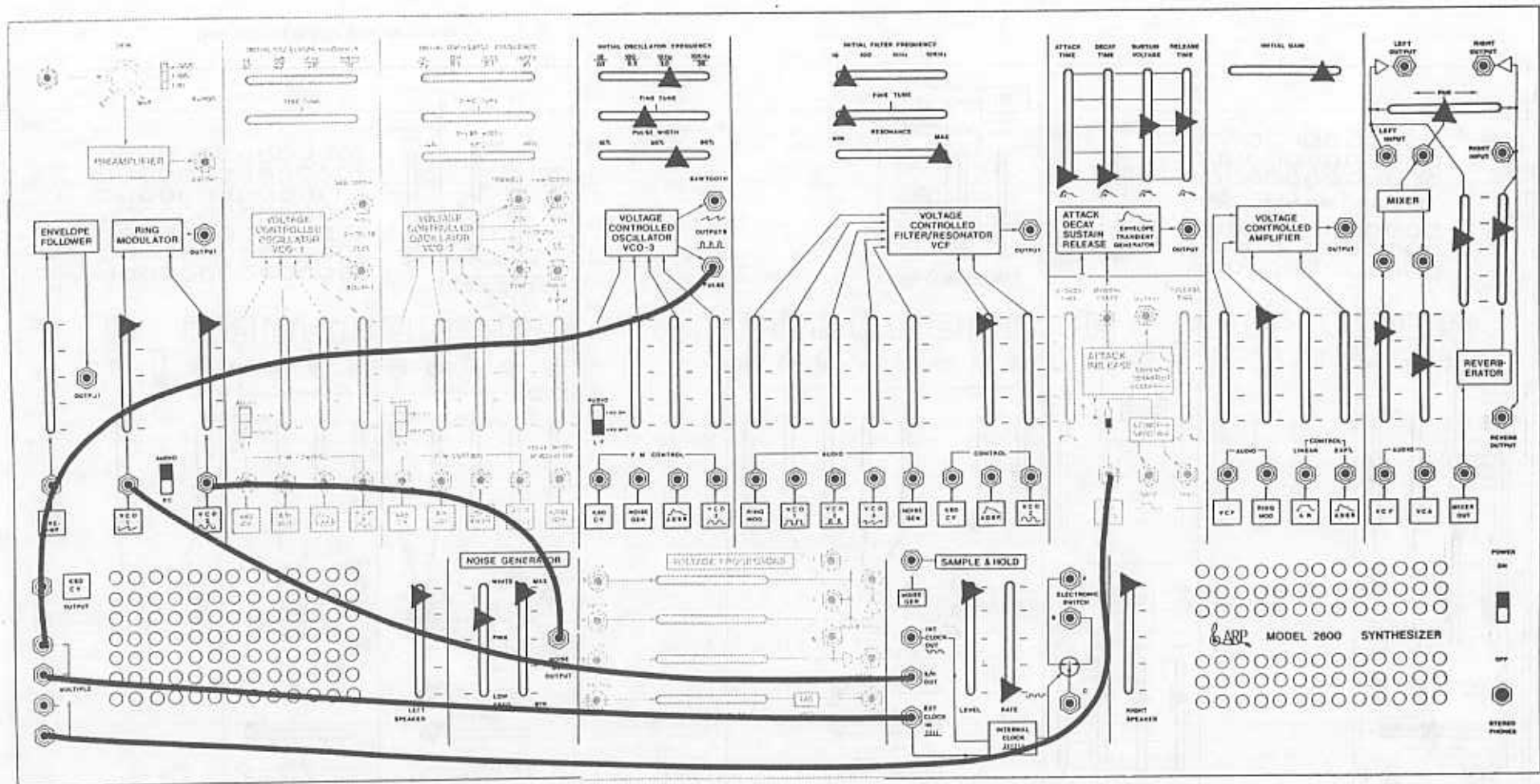
1. Tune VCO 3 to an octave above middle C.
2. Raise VCO 2 \sim | into VCO 3 and adjust VCO 2 frequency for vibrato speed.

Note: Play legato for vibrato; play staccato for no vibrato.

4 PATCHCORDS

Violin with Delayed Vibrato

Rhythms

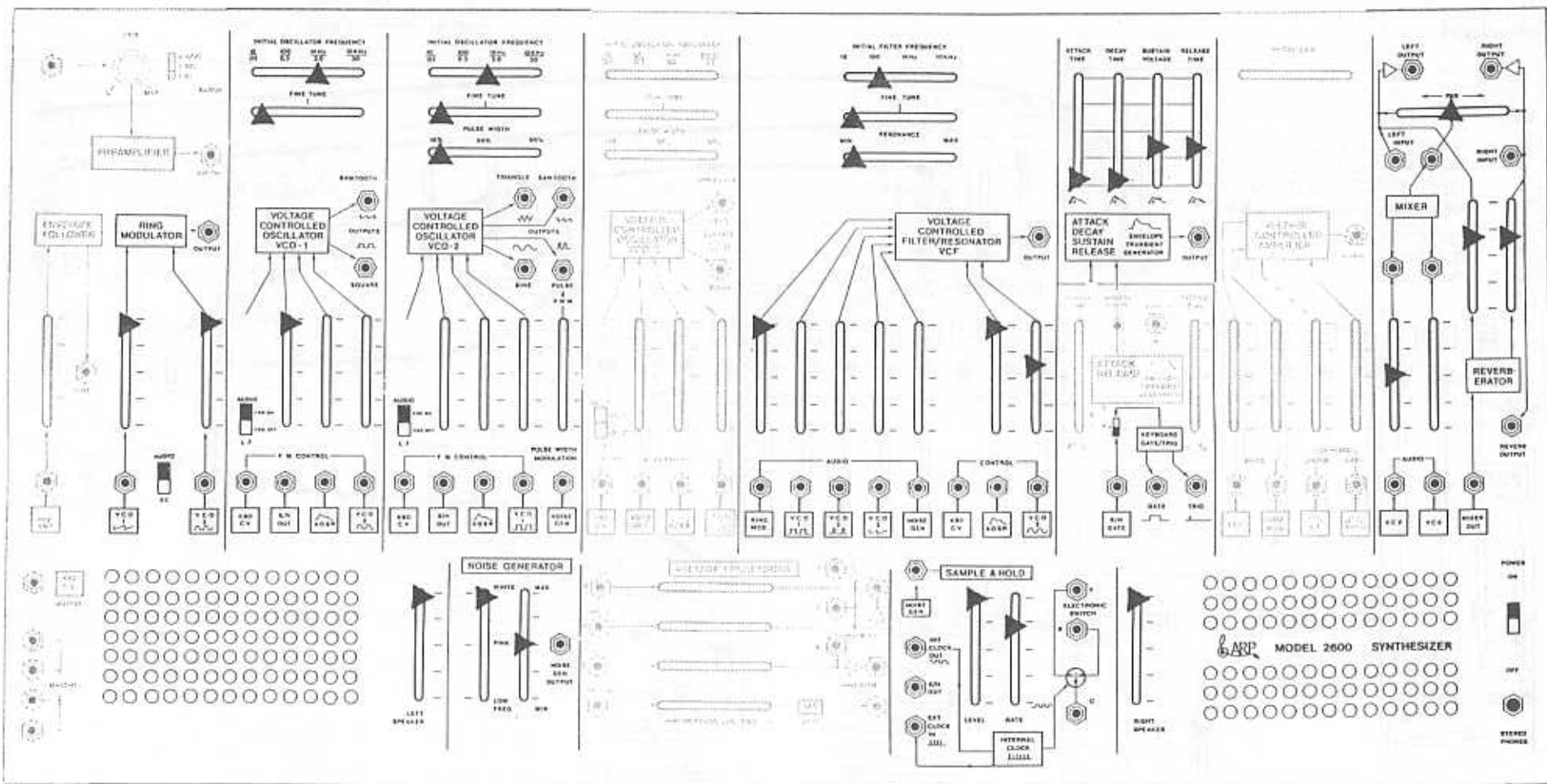


Adjust: VCO 3 frequency for tempo.
ADSR into VCF for BASS Drum timbre.

5 PATCHCORDS

Swing Traps: Hi-Hat & Bass Drum

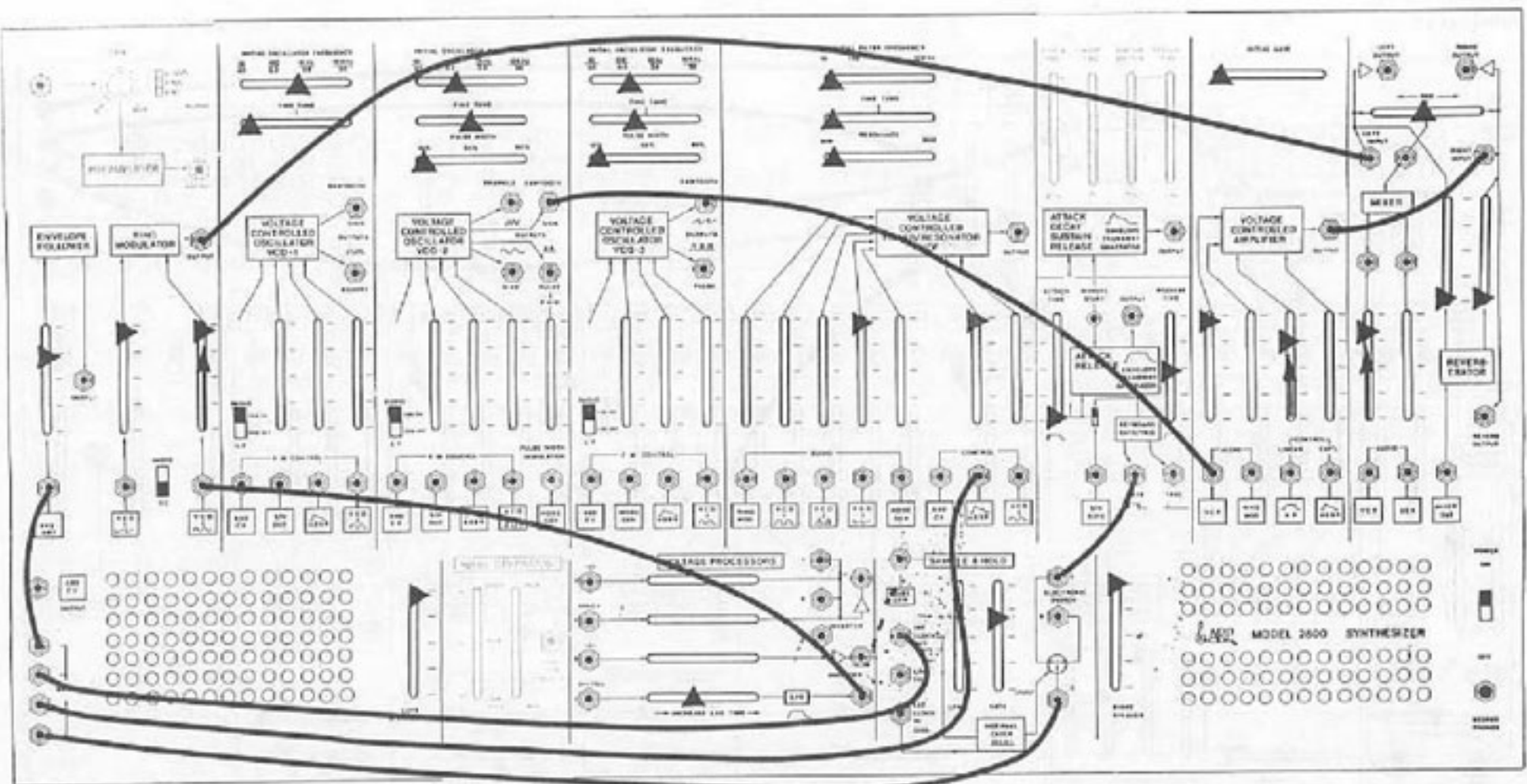
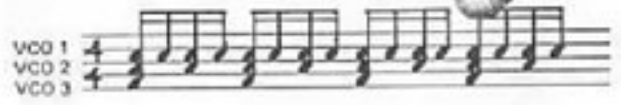
38.



Tune VCO 1 and 2 for different timbres.

Metallic Thunks

39.



Tune VCO 1, 2, and 3 as desired.

3 separate volume controls: ↑ at Ring Mod, AR at VCA, VCF at Mixer.

8 PATCHCORDS

OLDSCHOOL-SOUND
www.oldschool-sound.com

!!!!!! An exclusive free release !!!!!!

SCAN by PASCAL.W -aka- "Analog Monkey"
 Free manuals for Free Vintage addicts ! Creative use only

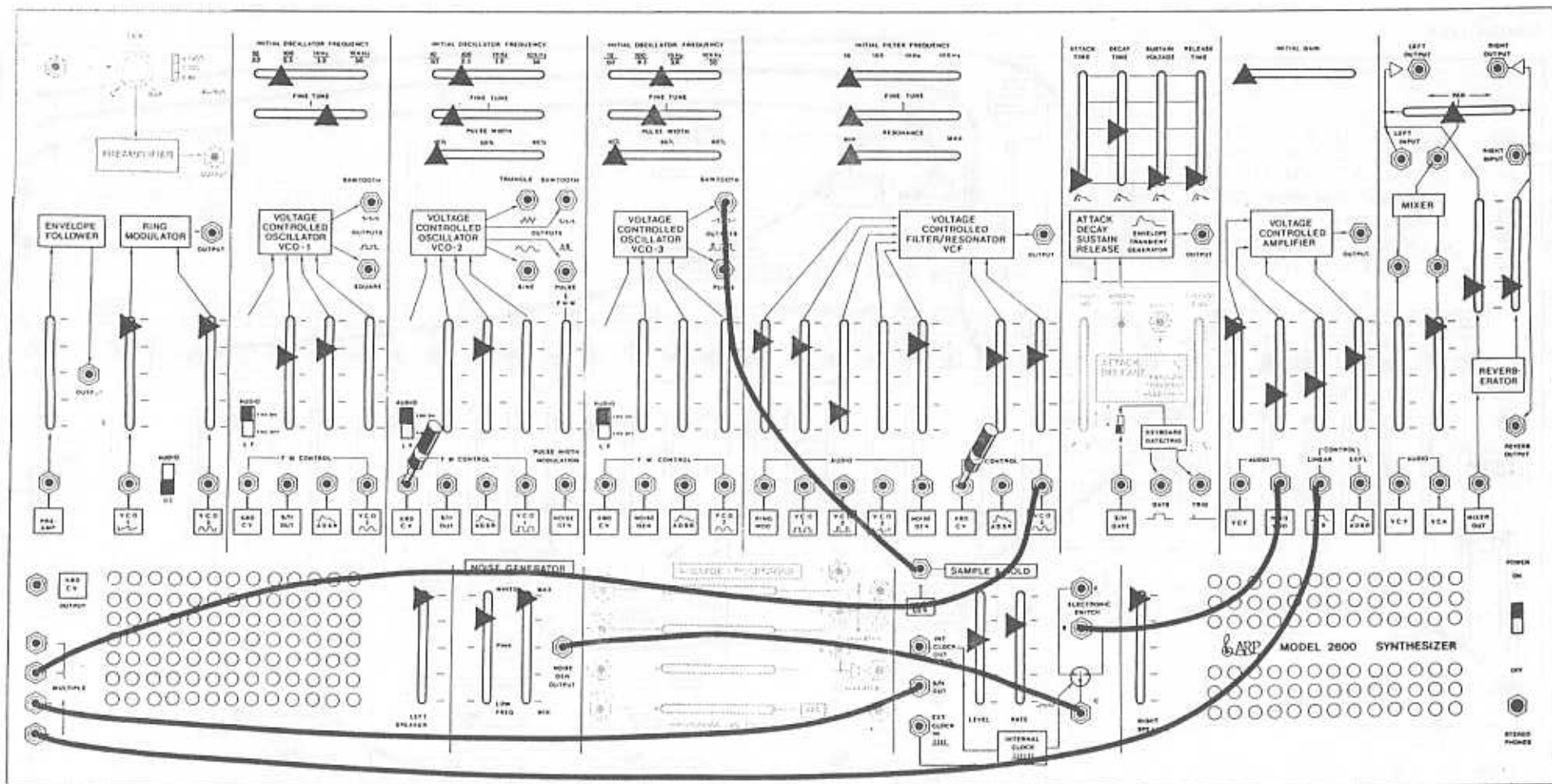
\$\$\$ Not For Resale \$\$\$

(: Le bizness de ressources est un sport de ptizizis :)

Triple Timings

40.

equivalent circuit

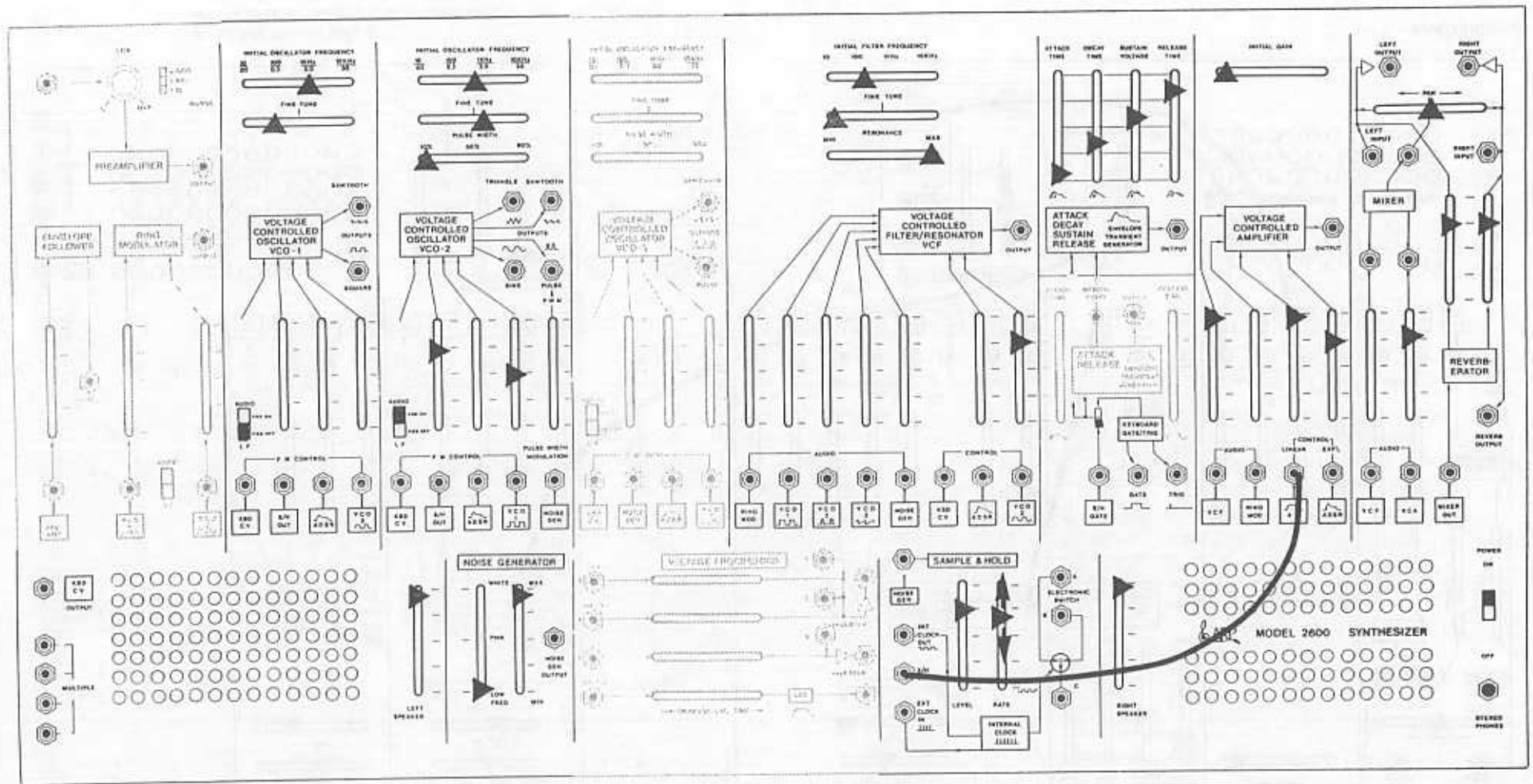


Adjust S/H Rate for tempo.

6 PATCHCORDS
2 DUMMY PLUGS

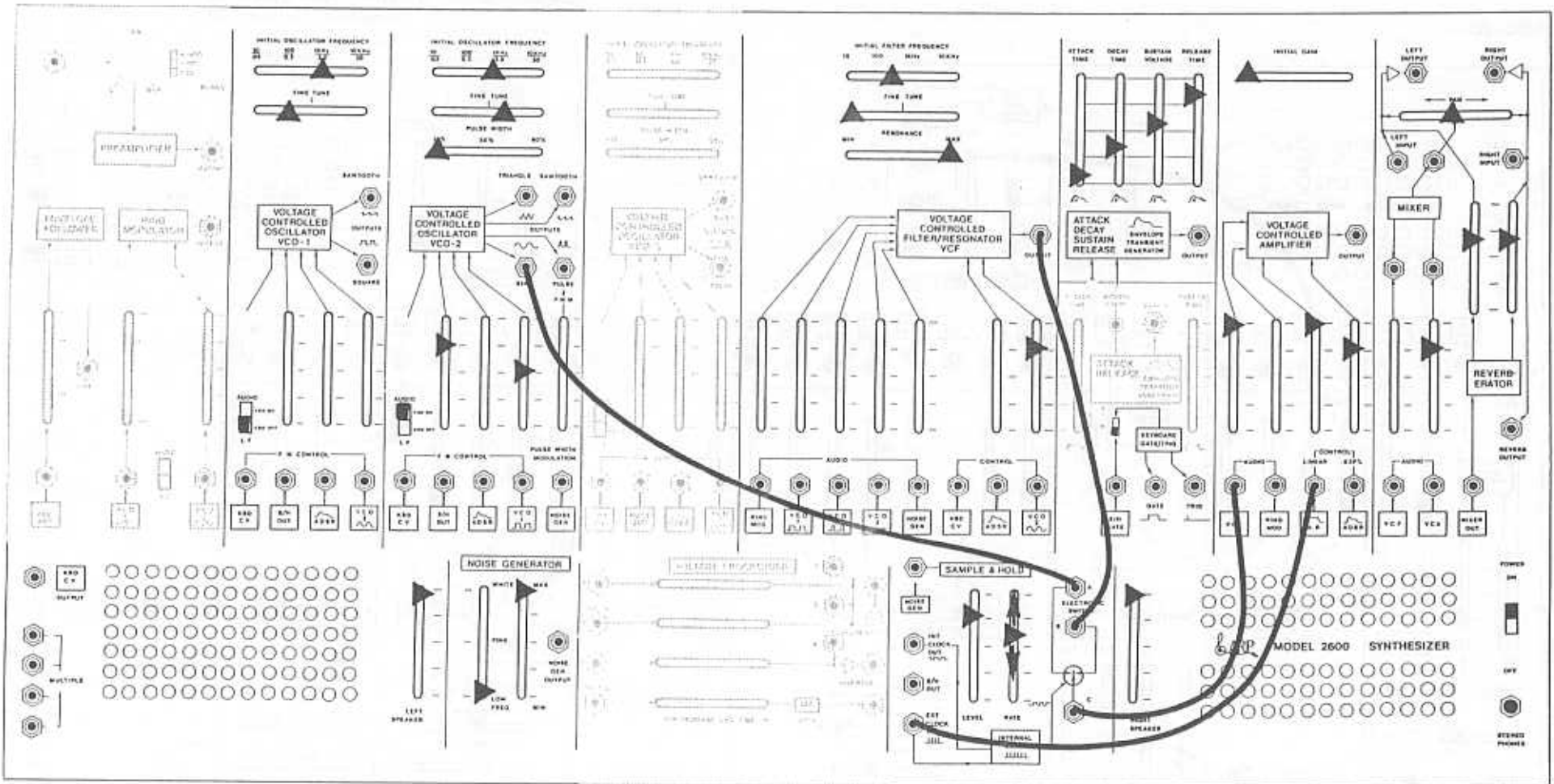
Tom & Hi-hat Duet

41.



Adjust S/H Rate for tempo.
 Play up and down keyboard for different metallic effects.

1 PATCHCORD



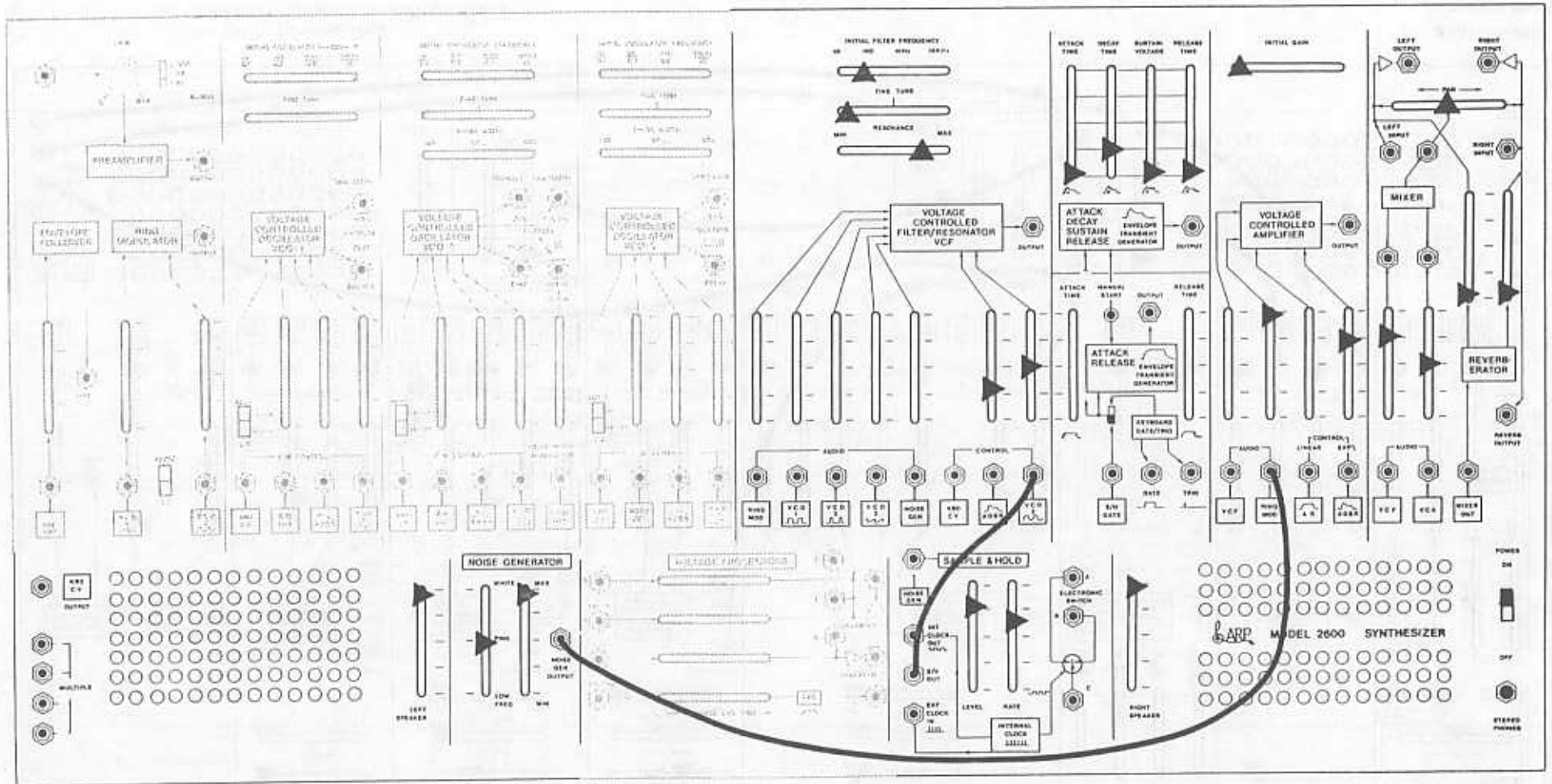
Adjust S/H Rate for tempo.
 Play up and down keyboard for different timbres.

4 PATCHCORDS

Advanced Steel Drum Corps

43.



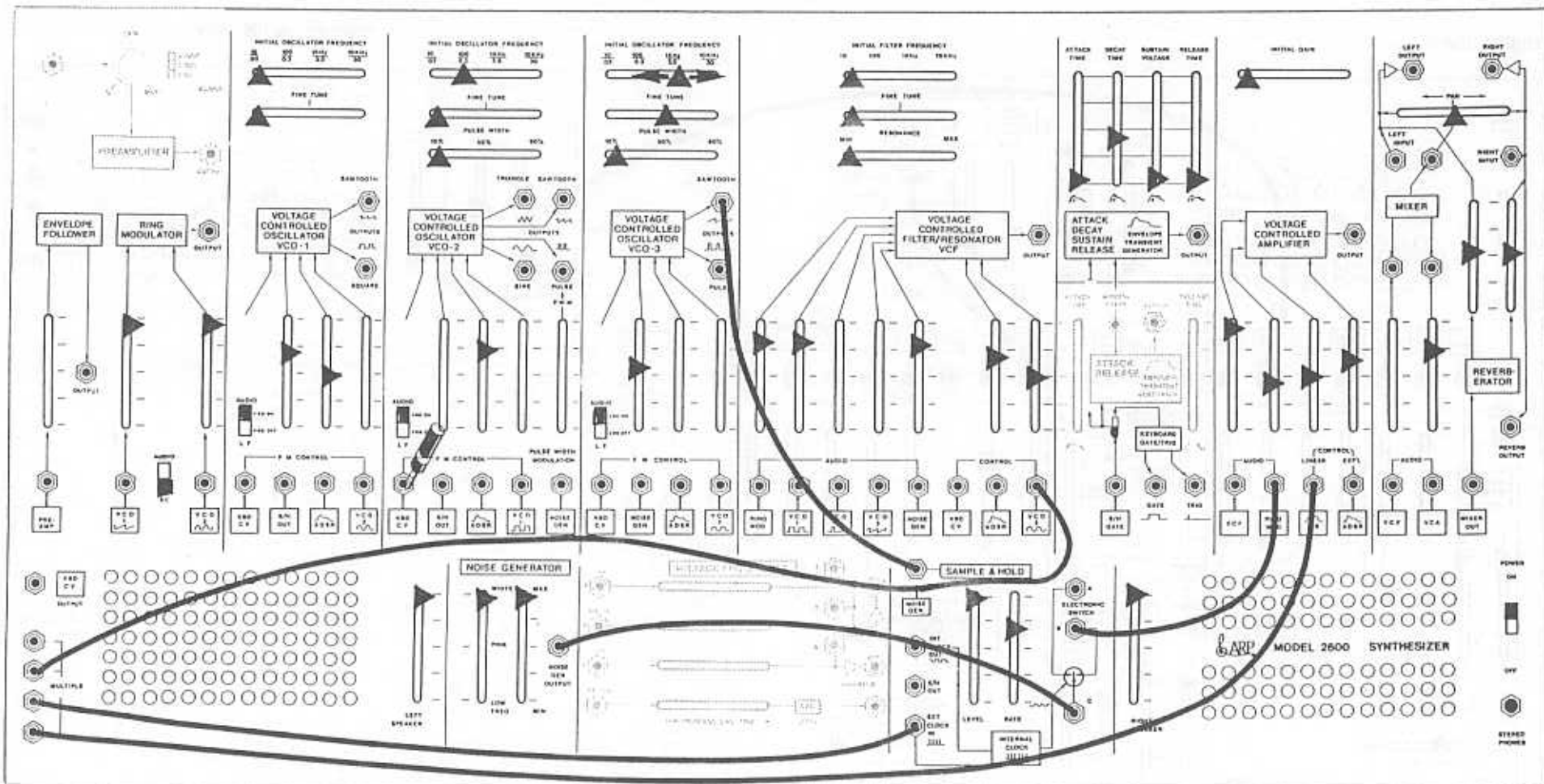


Adjust S/H Rate for tempo.

2 PATCHCORDS

Random ARP Drum Solo

44.



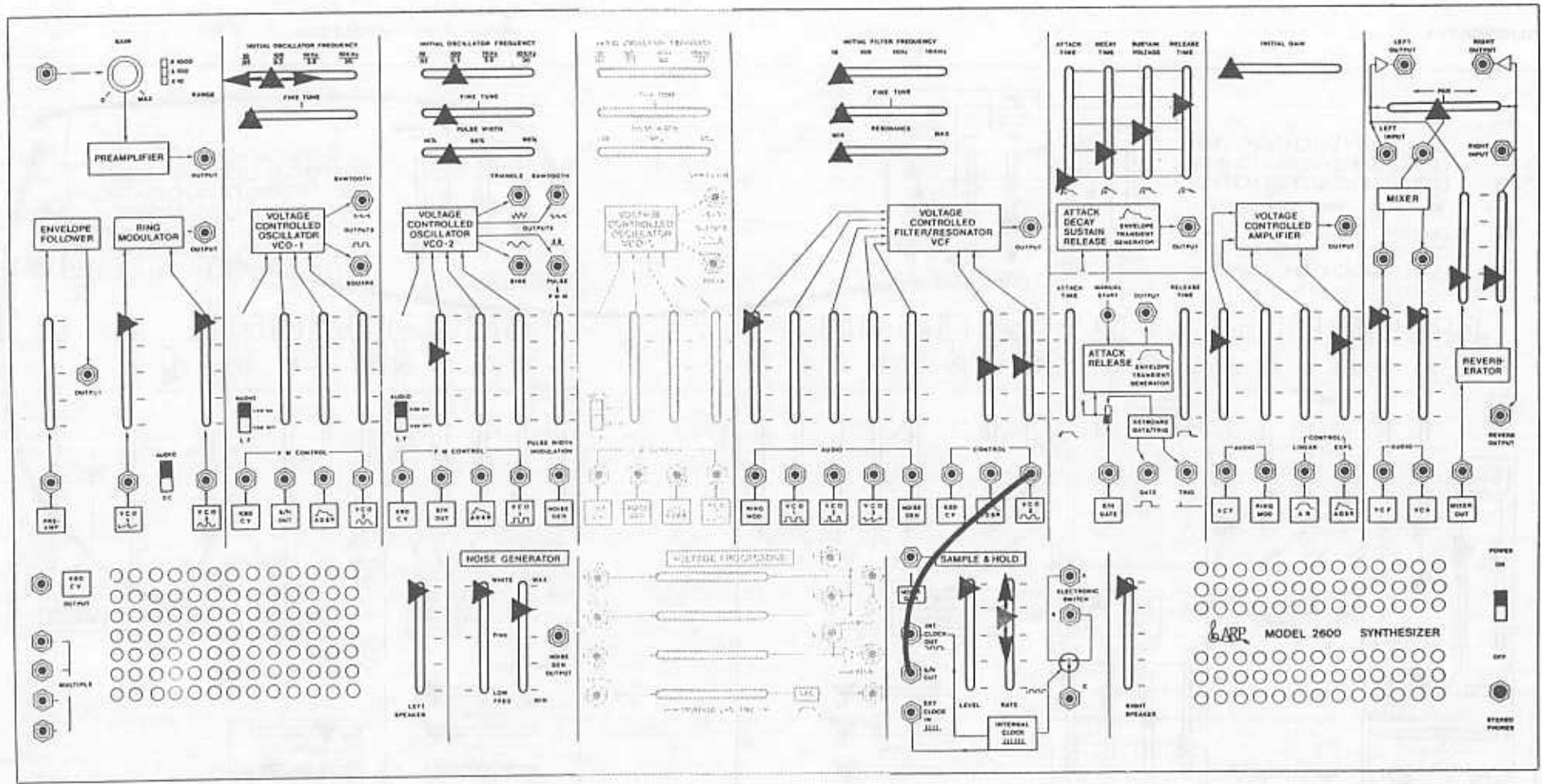
Hit Key C1 for proper range.
 Adjust VCO 3 frequency for different patterns.
 Adjust S/H Rate for tempo.

6 PATCHCORDS
 1 DUMMY PLUG

Back-beat: Bass Drum, Hi-hat & Tom

45.

ARP 2600 SYNTHESIZER PATCH

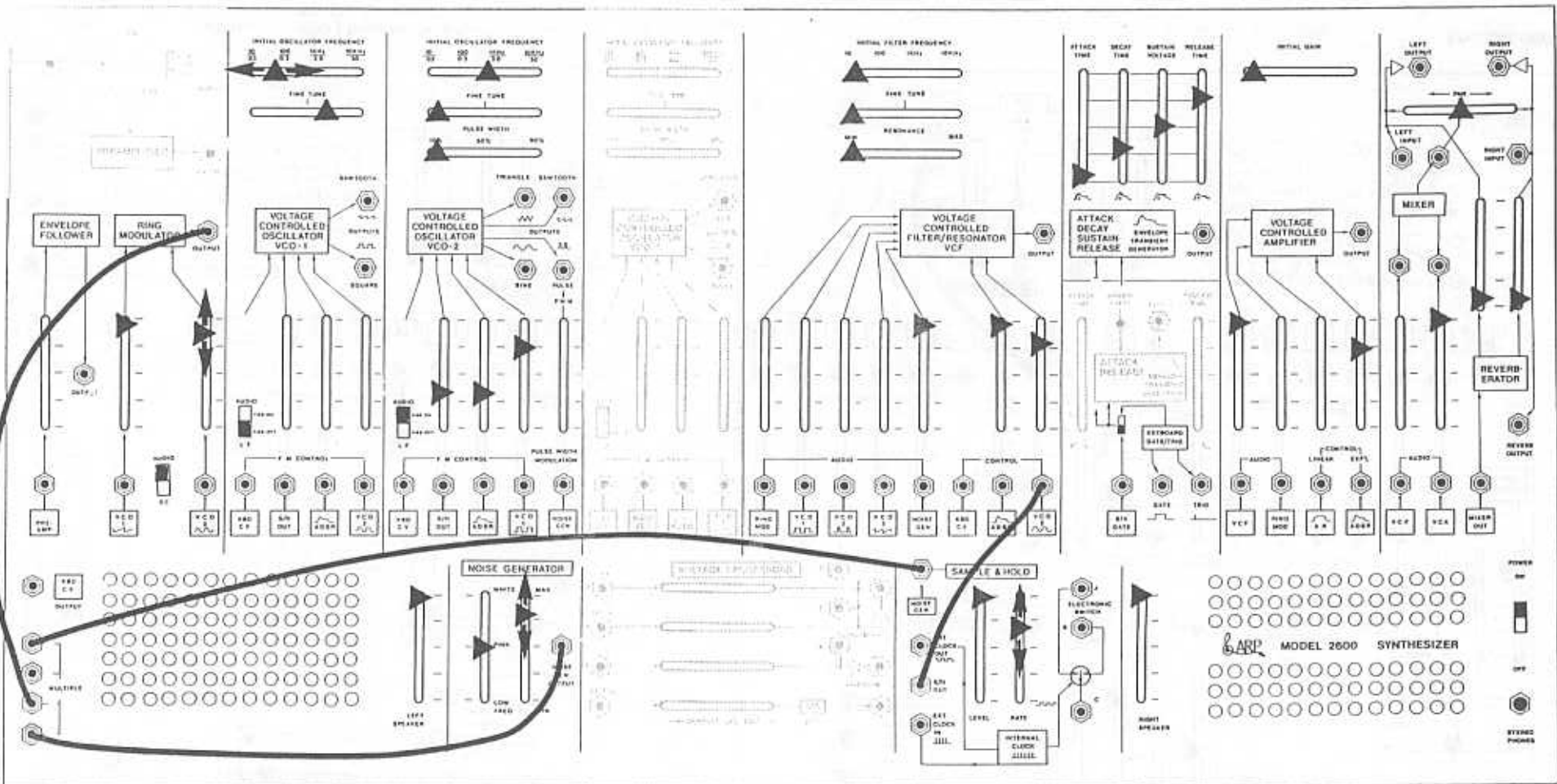


Adjust: VCO 1 frequency for pitch.
S/H Rate for tempo.

1 PATCHCORD

PLAY KEY C2

Cookin' Conga



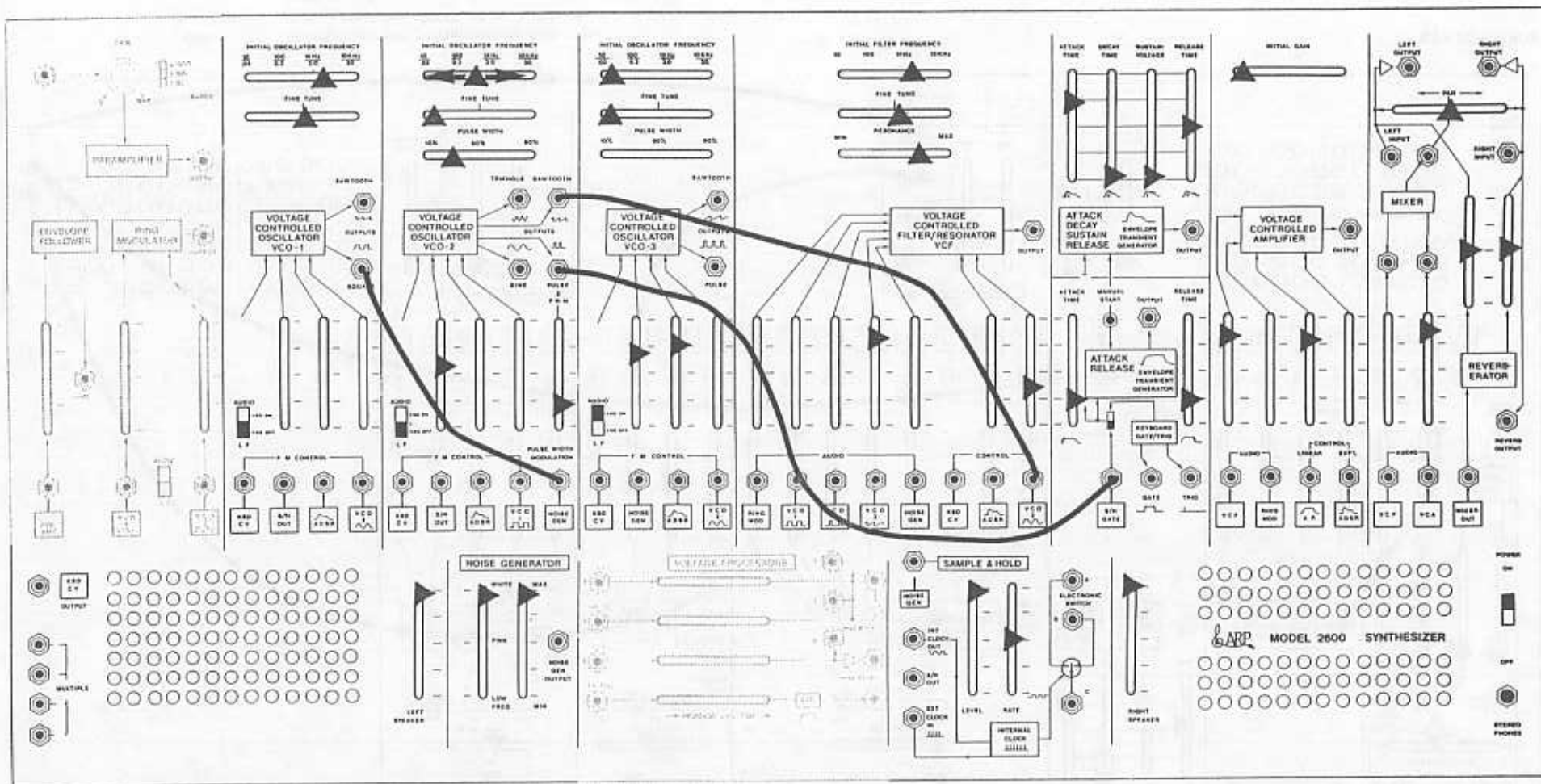
Adjust: VCO 1 frequency for 'soft' length,
 VCO 2 ~ ~ | at Ring Mod for Conga volume,
 Noise Max/Min Slider for snare volume,
 S/H Rate for tempo.

4 PATCHCORDS

PLAY KEY C1

Conga & Snare Duet

Natural Sounds

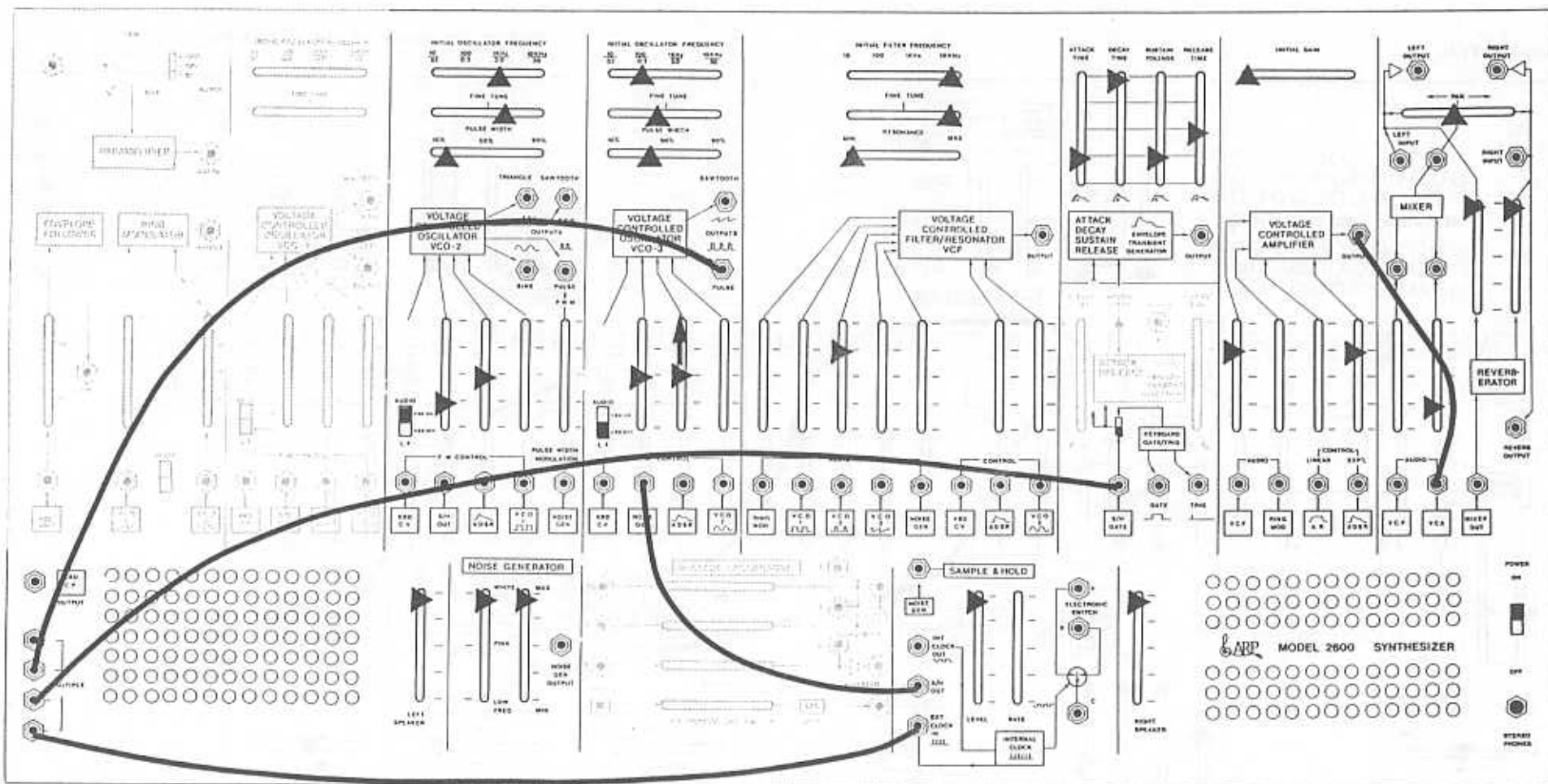


Adjust VCO 2 frequency for different croak speeds.

3 PATCHCORDS

Frog Bog

48.

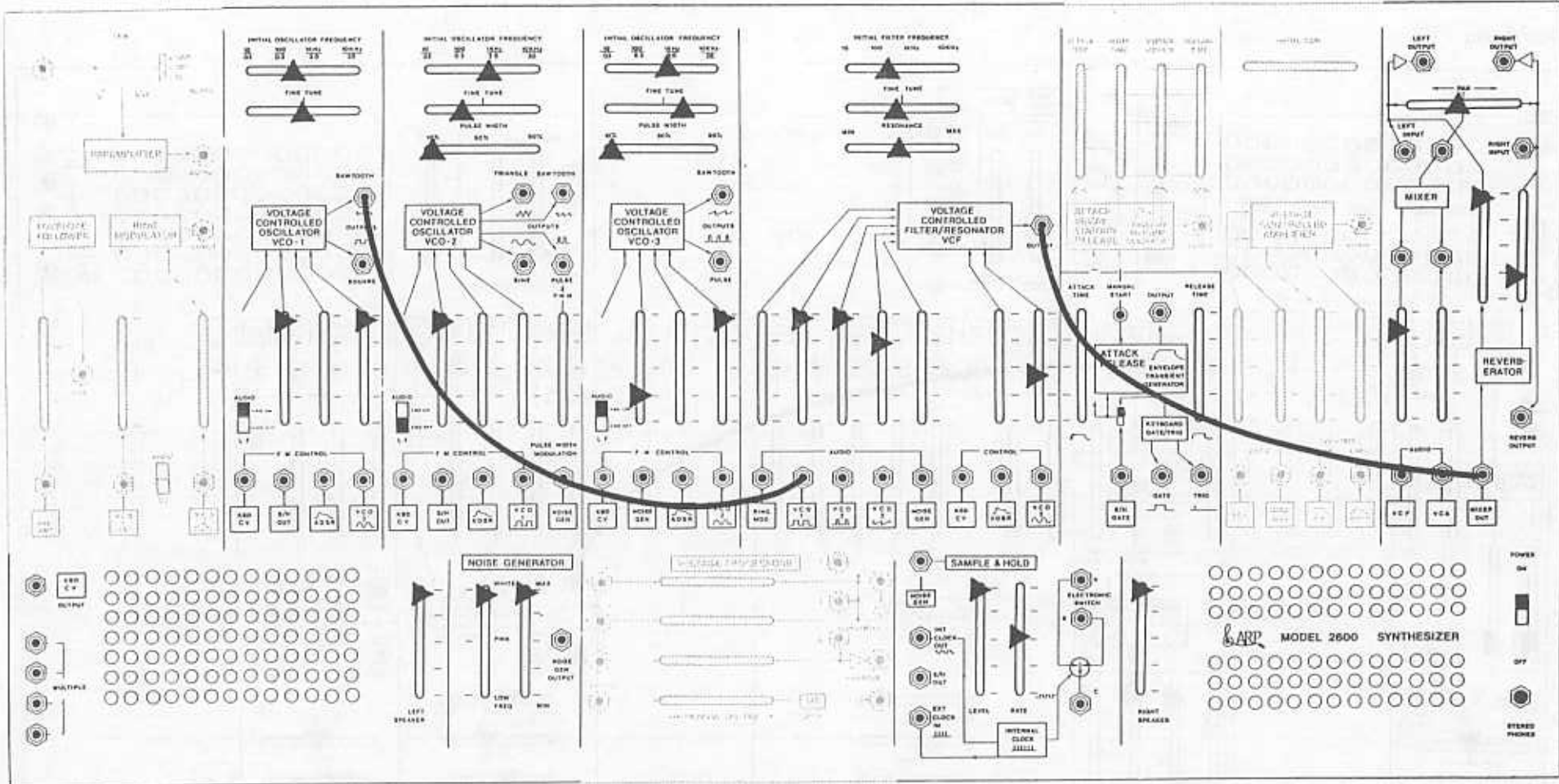


Note: VCO 3 Pulse Width determines final decay time.
 Raising ADSR into VCO 3 induces a state of
 confusion in seagulls.
 Use any note on keyboard for 'tuning' of birds.

5 PATCHCORDS

Johnathan Synthesized Seagull

49.



Change the 'pitch' of the patch by moving up and down the keyboard.

Fiddle with the filter settings.

2 PATCHCORDS

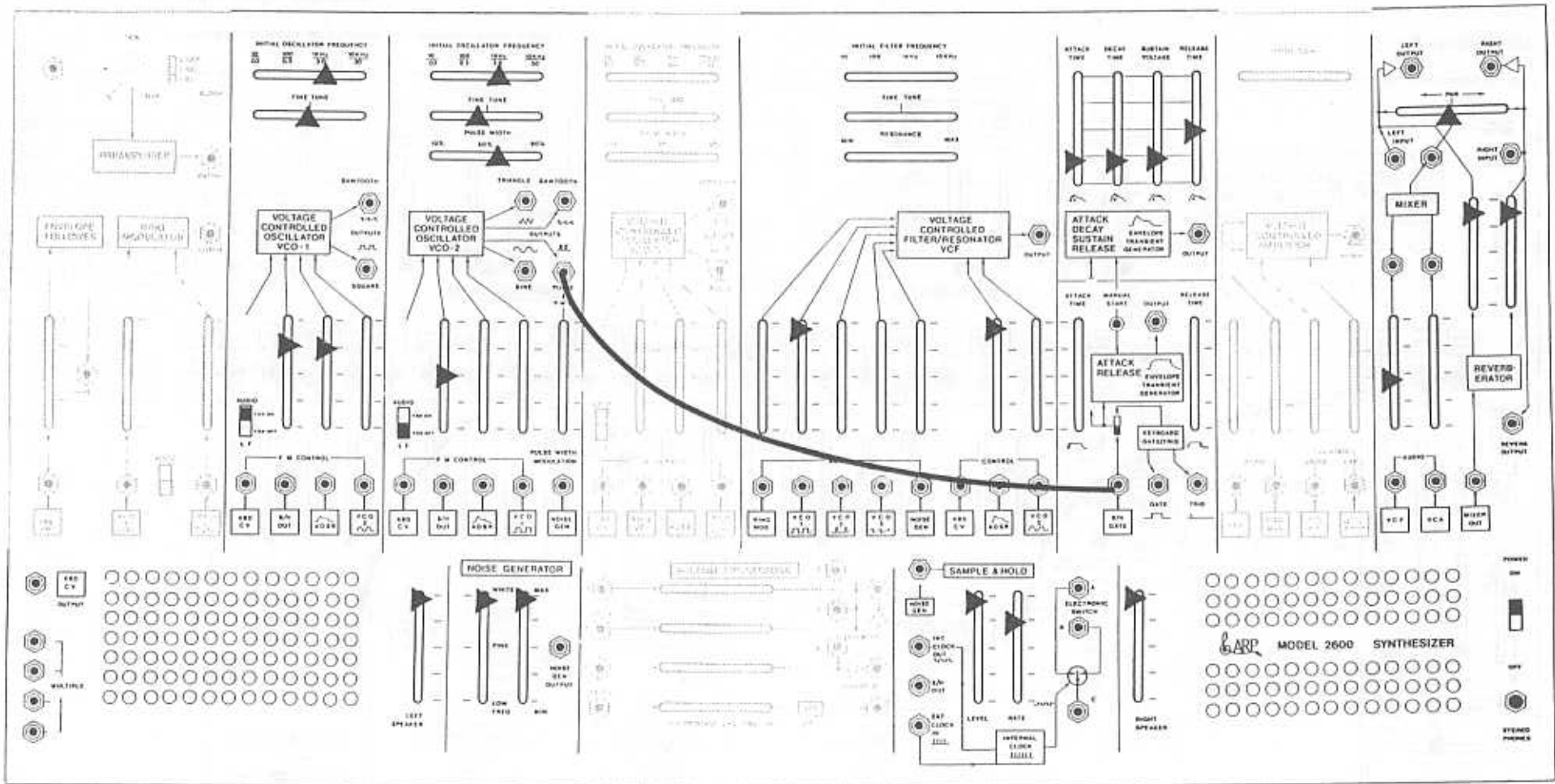
Primeval Forest

50.

VCO TUNING



VCO 1



1 PATCHCORD

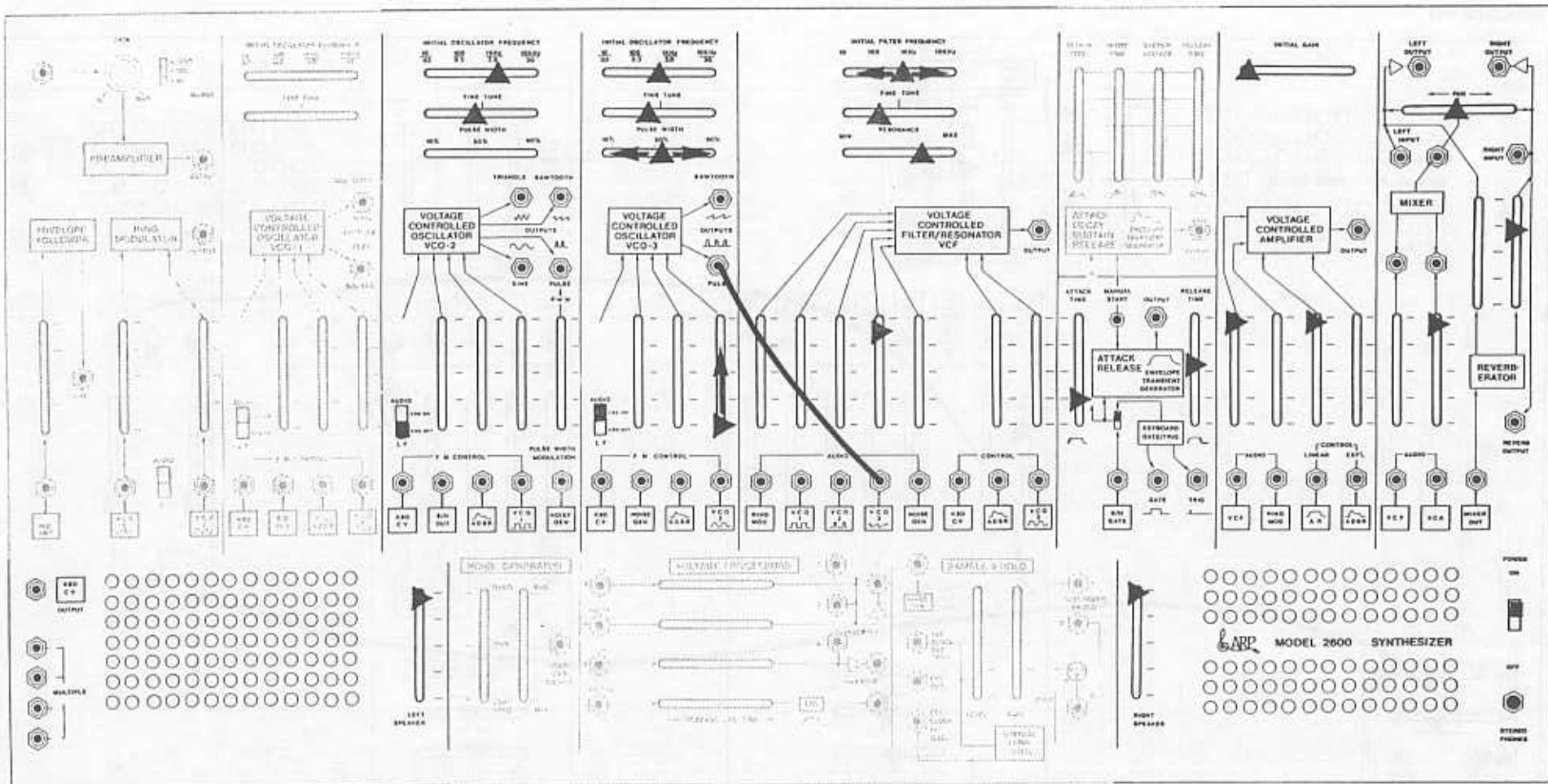
Arboretum

51.

VCO TUNING

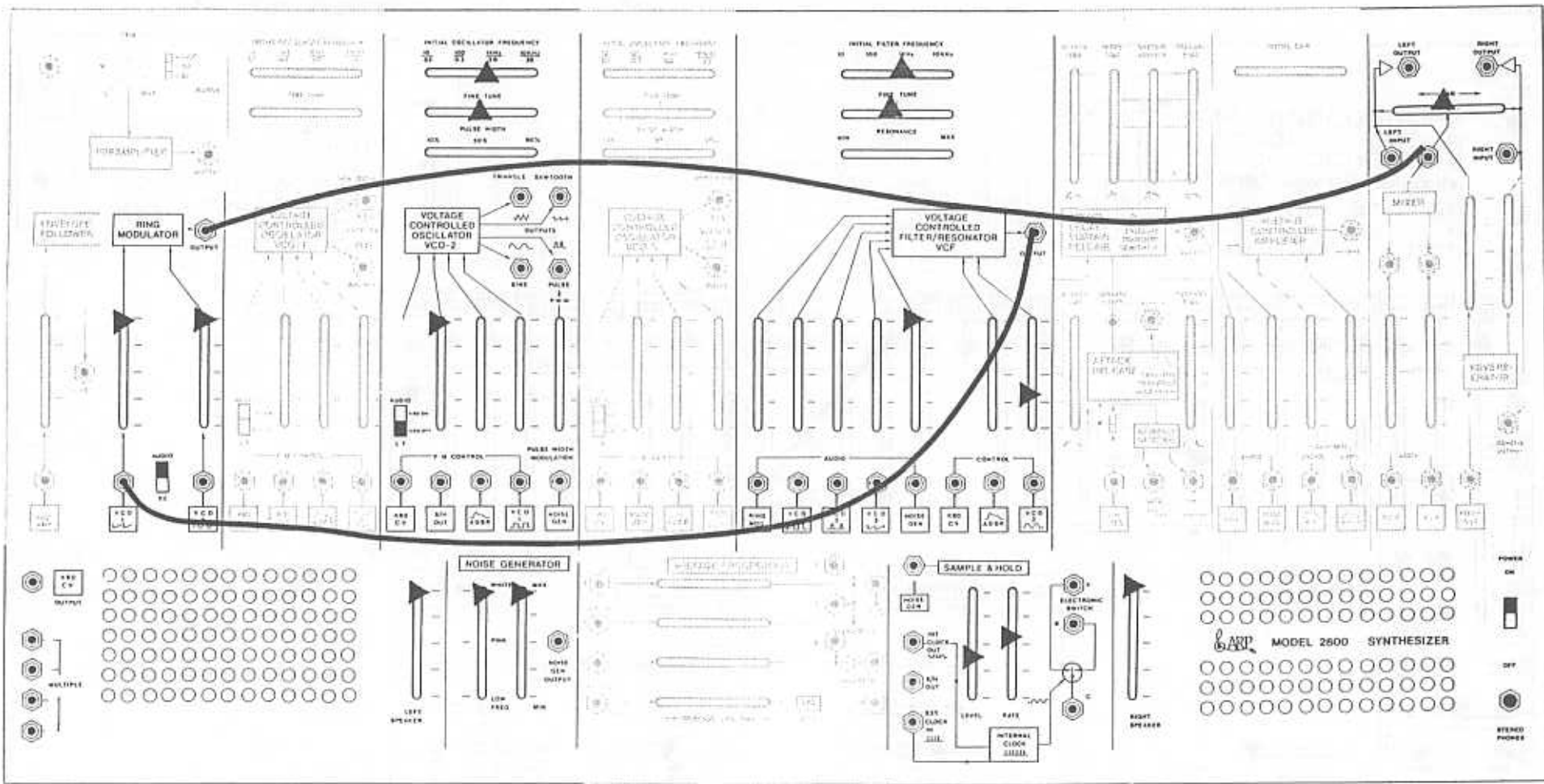


VCO 3



1. Tune VCO 3 to middle C.
2. Raise VCO 2 \sim into VCO 3 and adjust VCO 2 frequency for tremolo speed.
3. Adjust VCO 3 Pulse Width and VCF frequency for desired timbre.

1 PATCHCORD

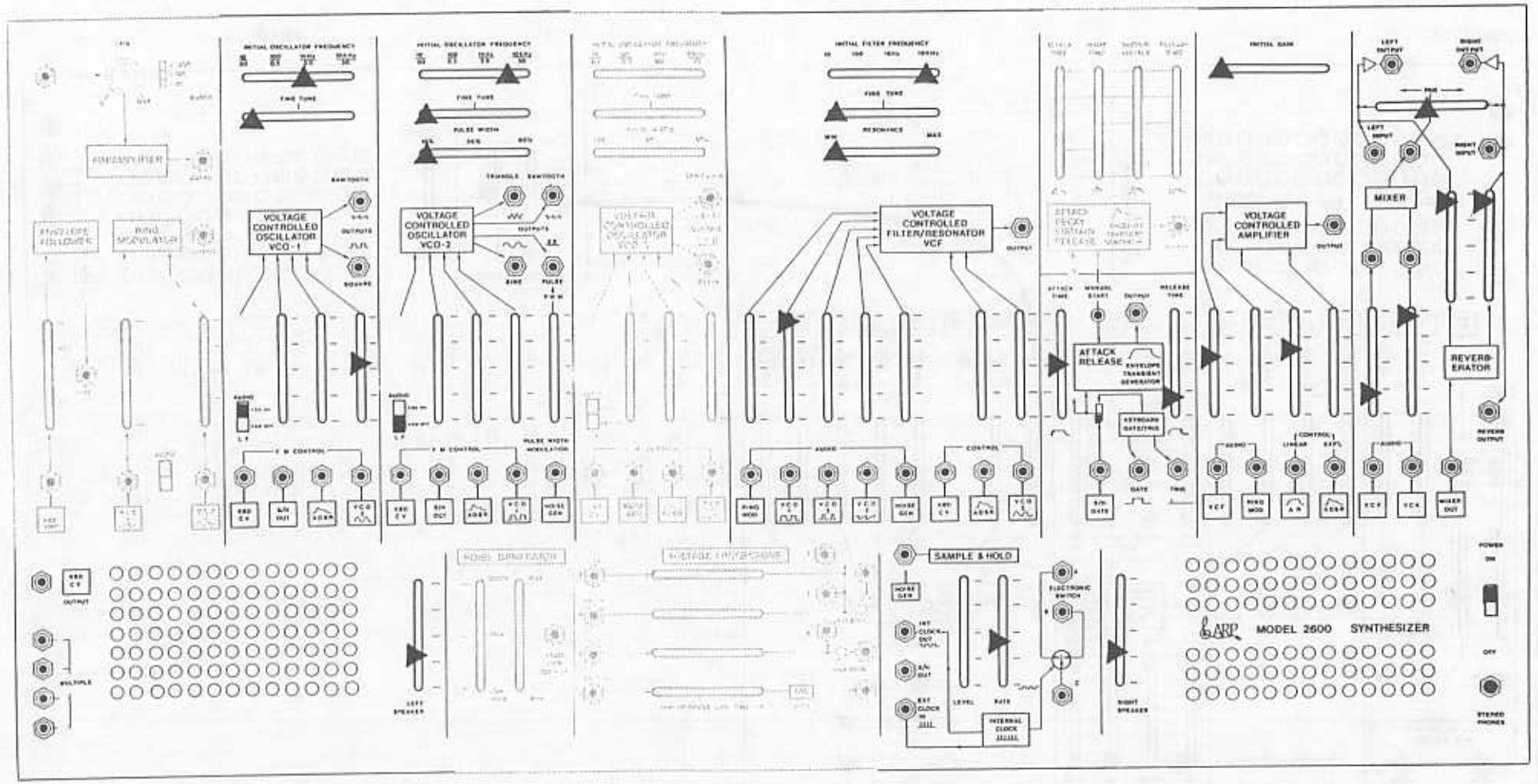


2 PATCHCORDS

Sporadic Heavy Breathing

53.

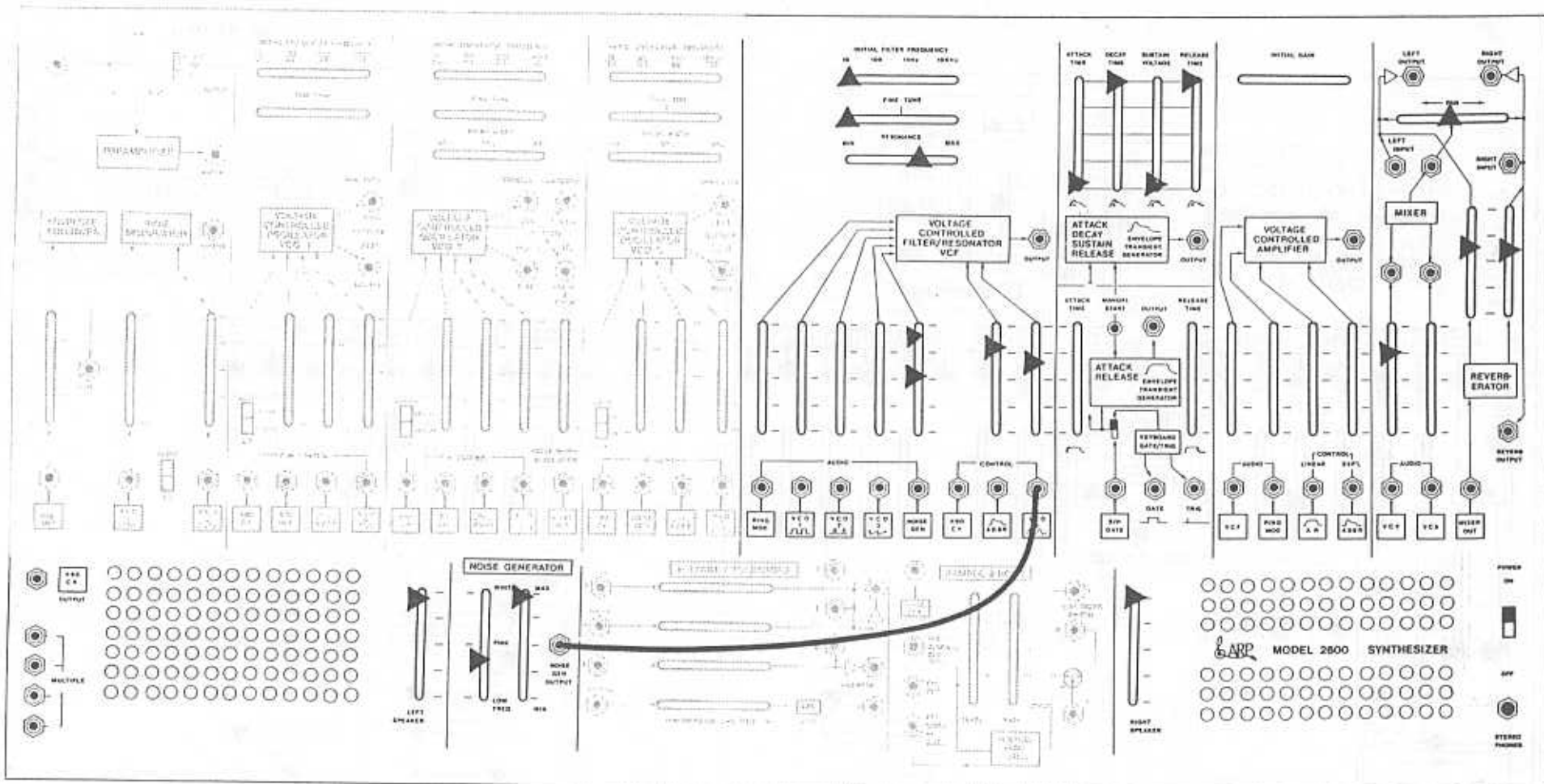




PLAY KEY C5

TRUCK BY COLORA

ARP

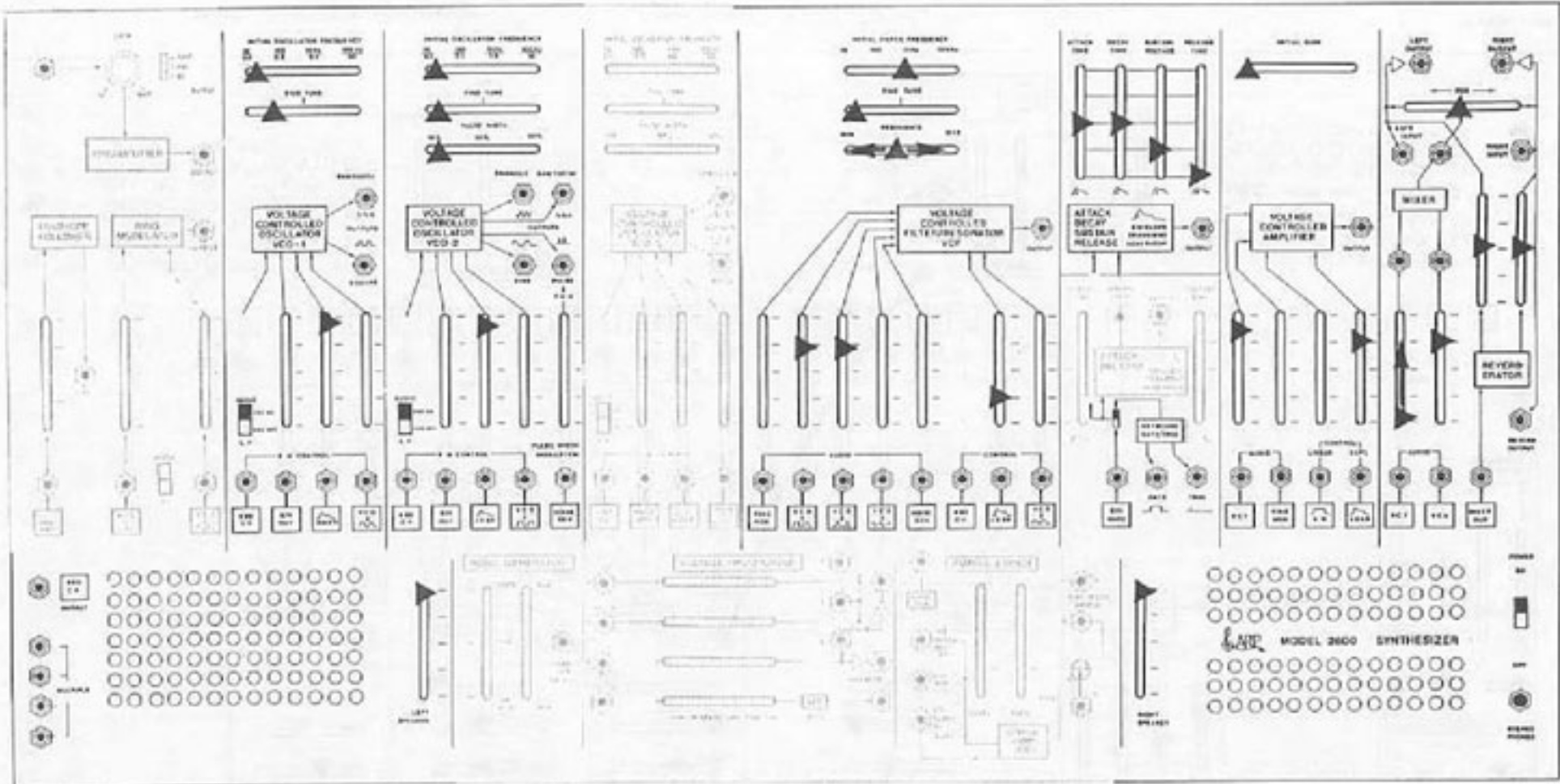


PLAY KEY C5

1 PATCHCORD

Clapping Thunder

55.



Note: Best barks can be heard around Key C2
 Raise VCF into Mixer for growl.

OLDSCHOOL-SOUND

www.oldschool-sound.com

!!!!!!! An exclusive free release !!!!!!!

SCAN by PASCAL.W -aka- "Analog Monkey"

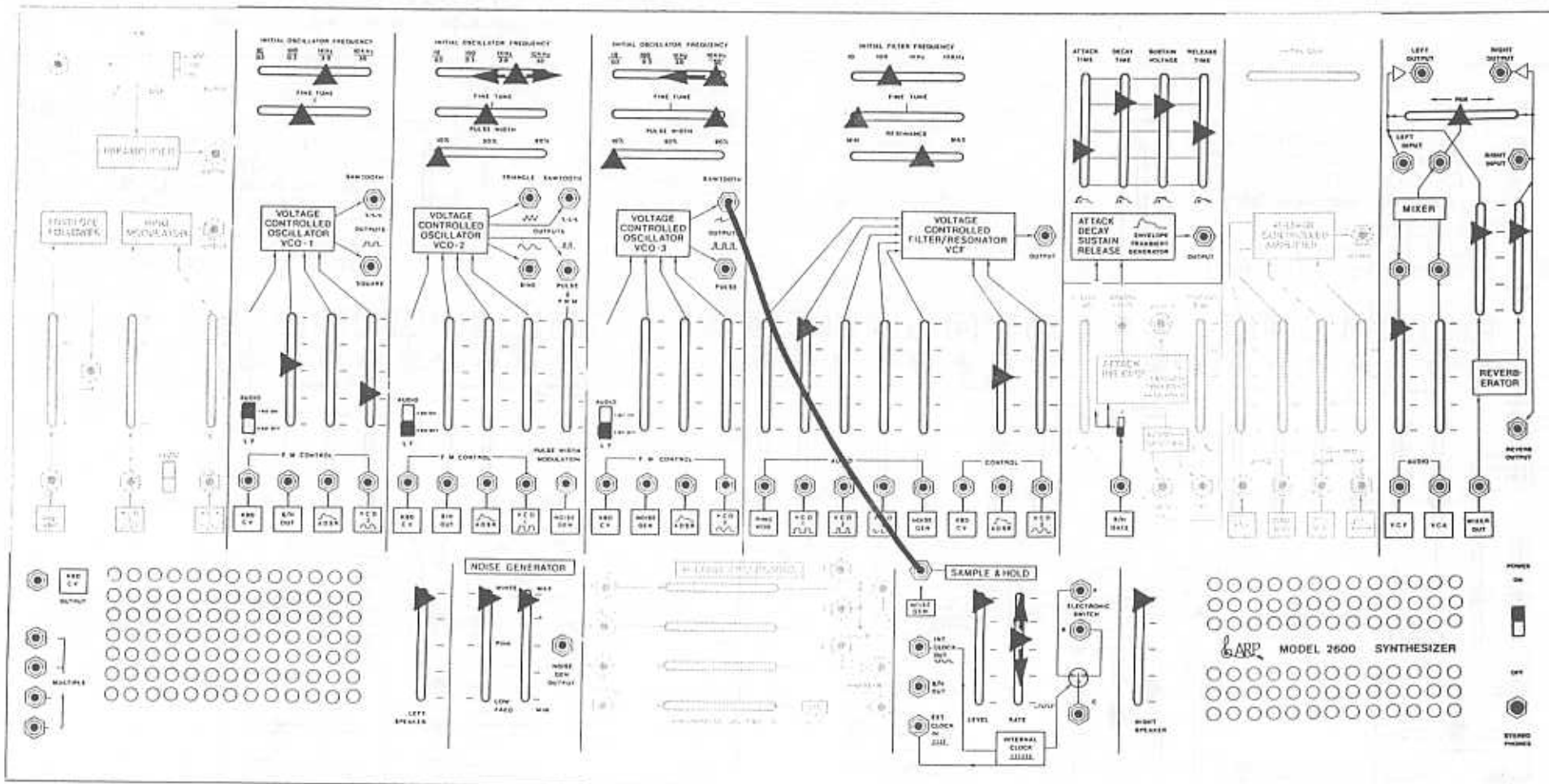
Free manuals for Free Vintage addicts ! Creative use only

\$\$\$ Not For Resale \$\$\$

(: Le bizness de ressources est un sport de ptizis :)

Small Barking Mutt

56.



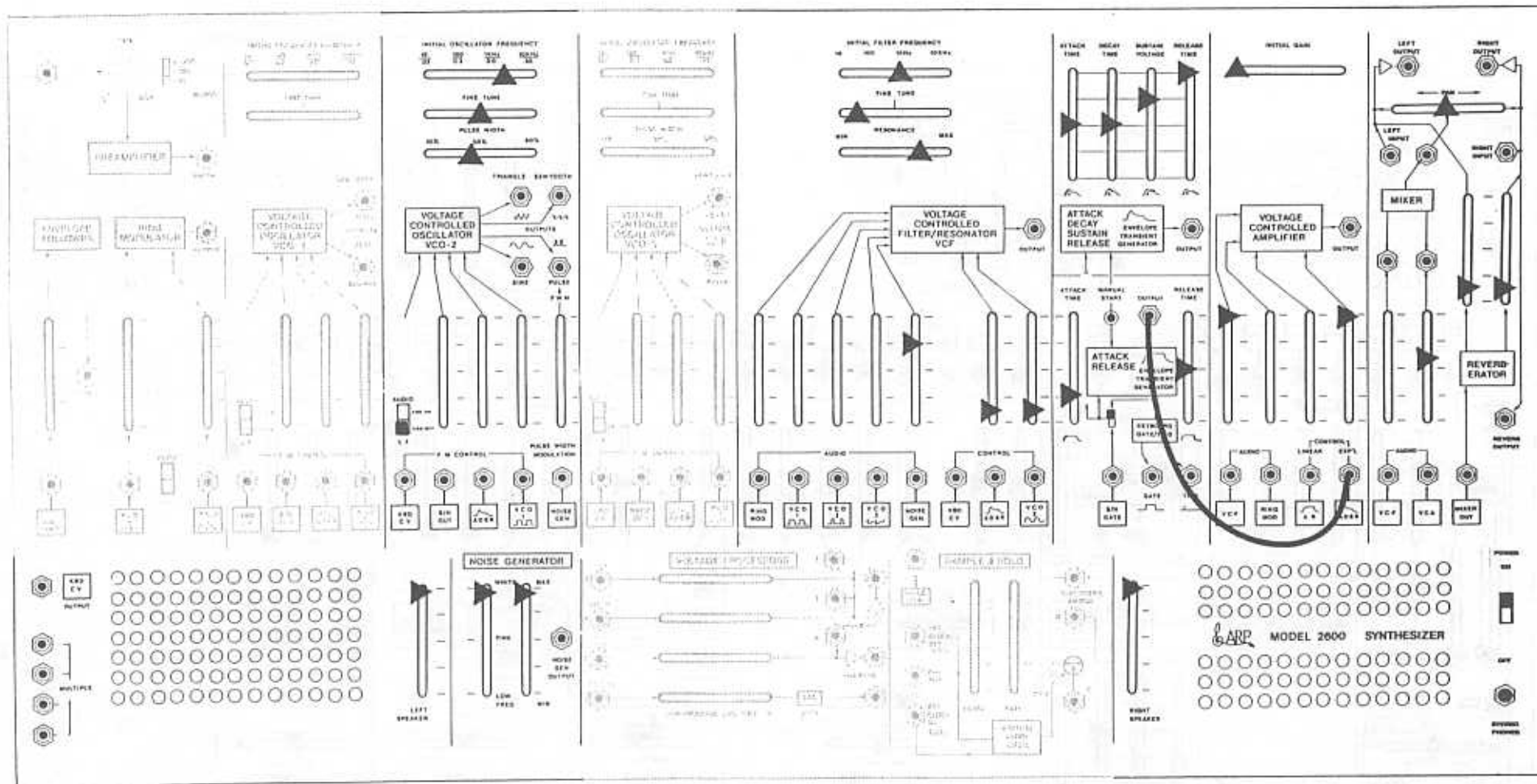
Adjust: VCO 3 frequency for patterns
 VCO 2 frequency for vibrato speed
 S/H Rate for whistle speed

1 PATCHCORD

PLAY KEY C2

Random Whistler

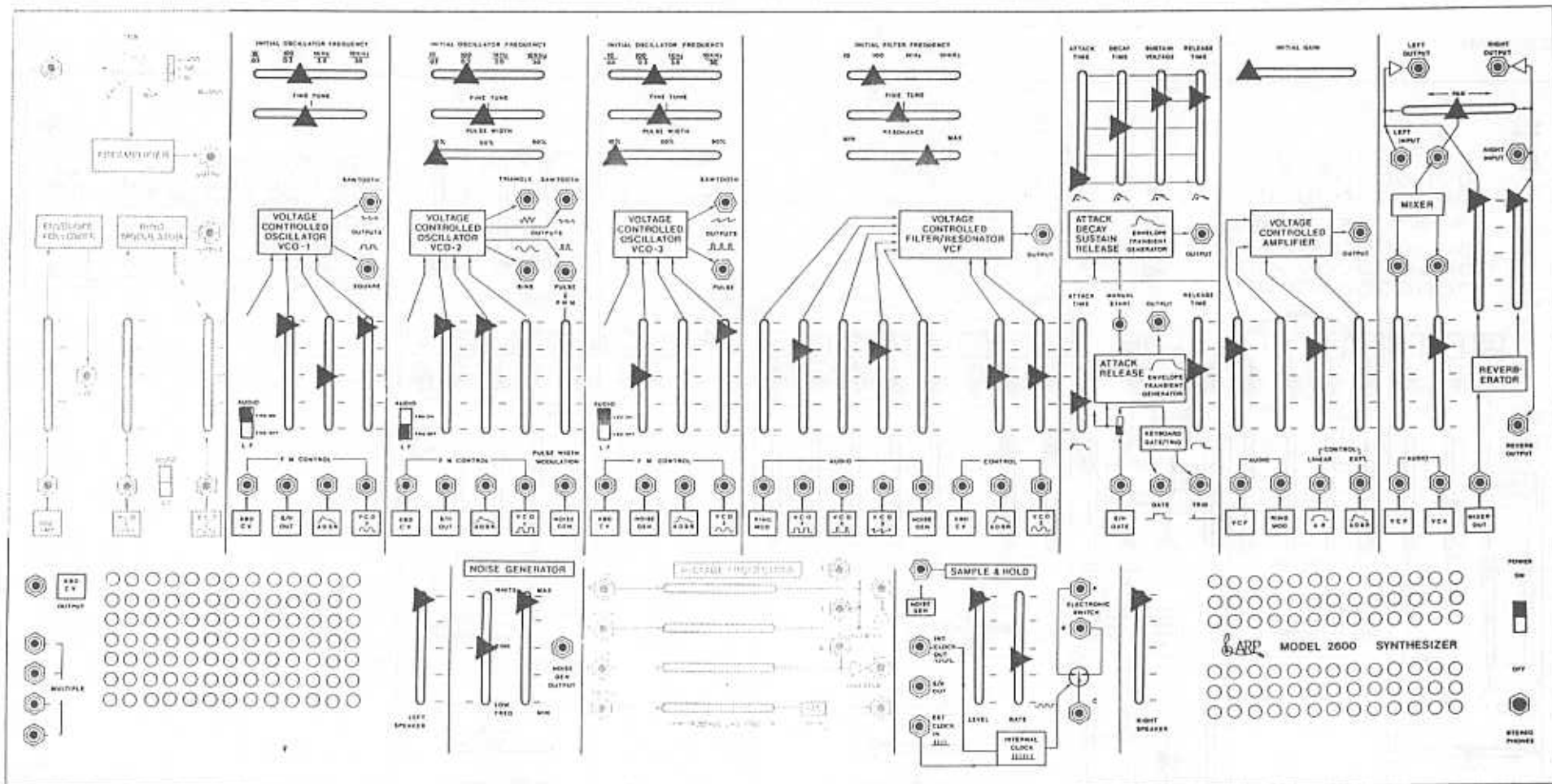
57.



1 PATCHCORD

Mother Whistler

58.

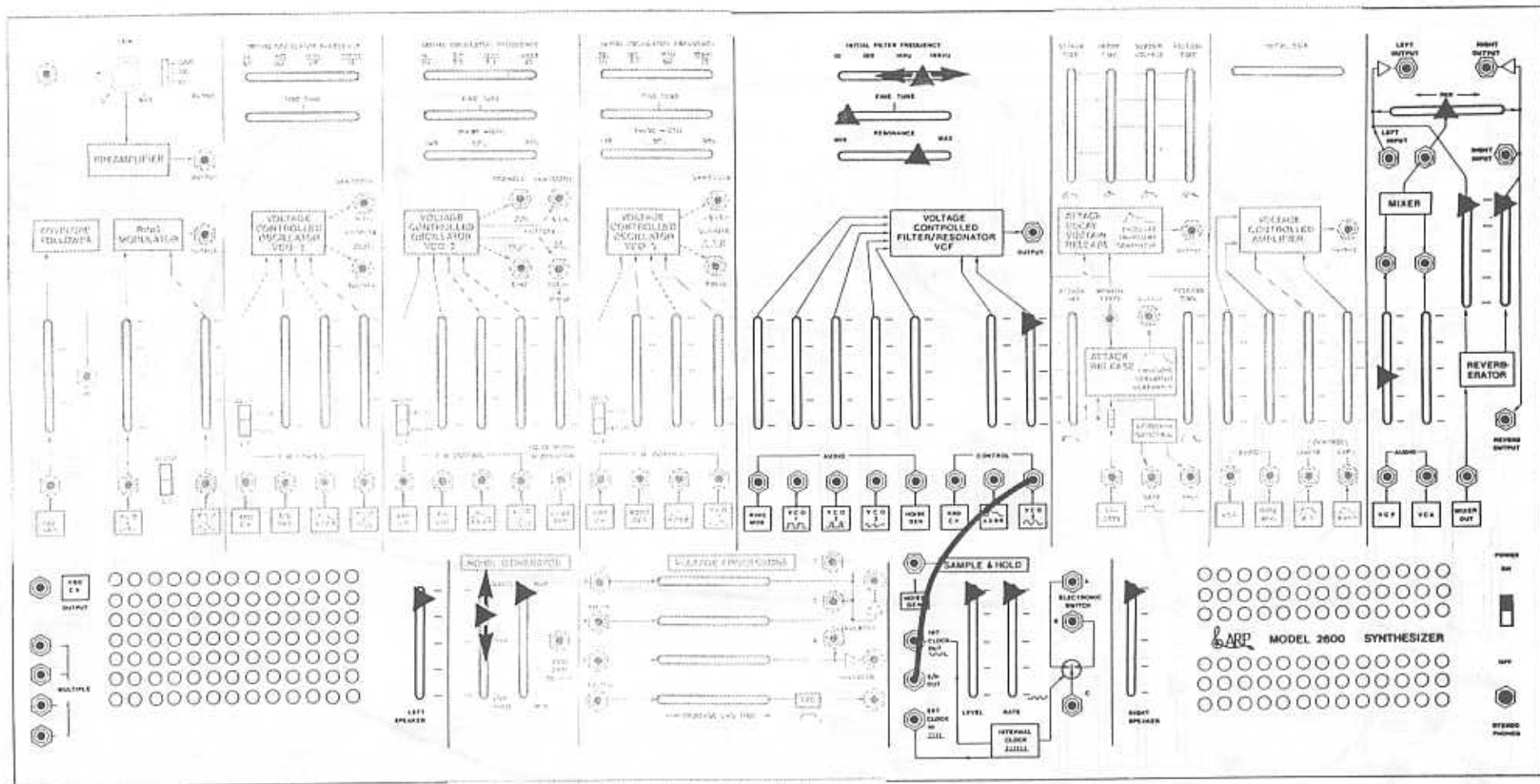


Playing different keys will produce different timbres.

ARP Jungle

59.



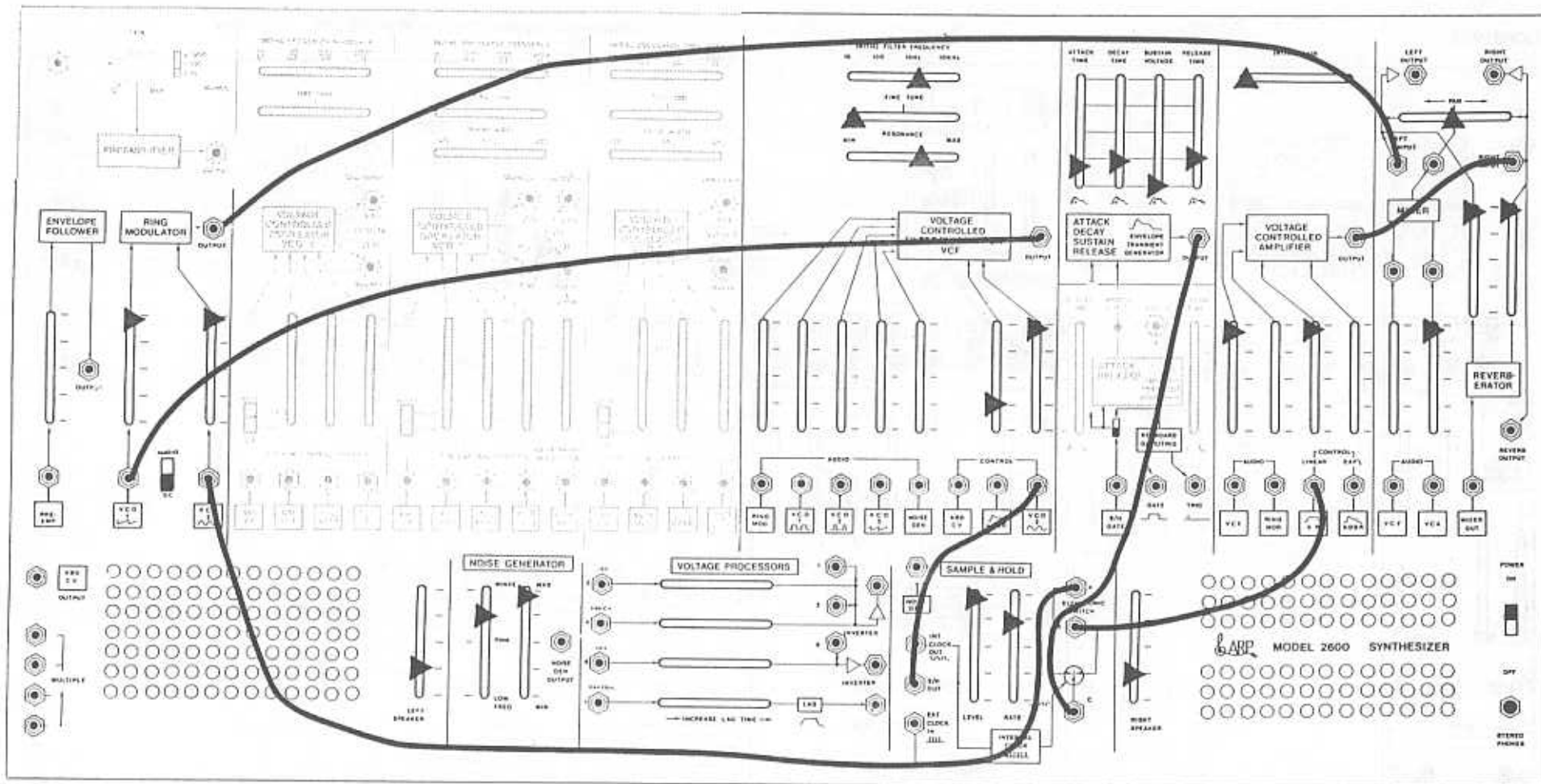


Adjust: VCF frequency and Noise color for desired effect.

1 PATCHCORD

Water Drops

60.

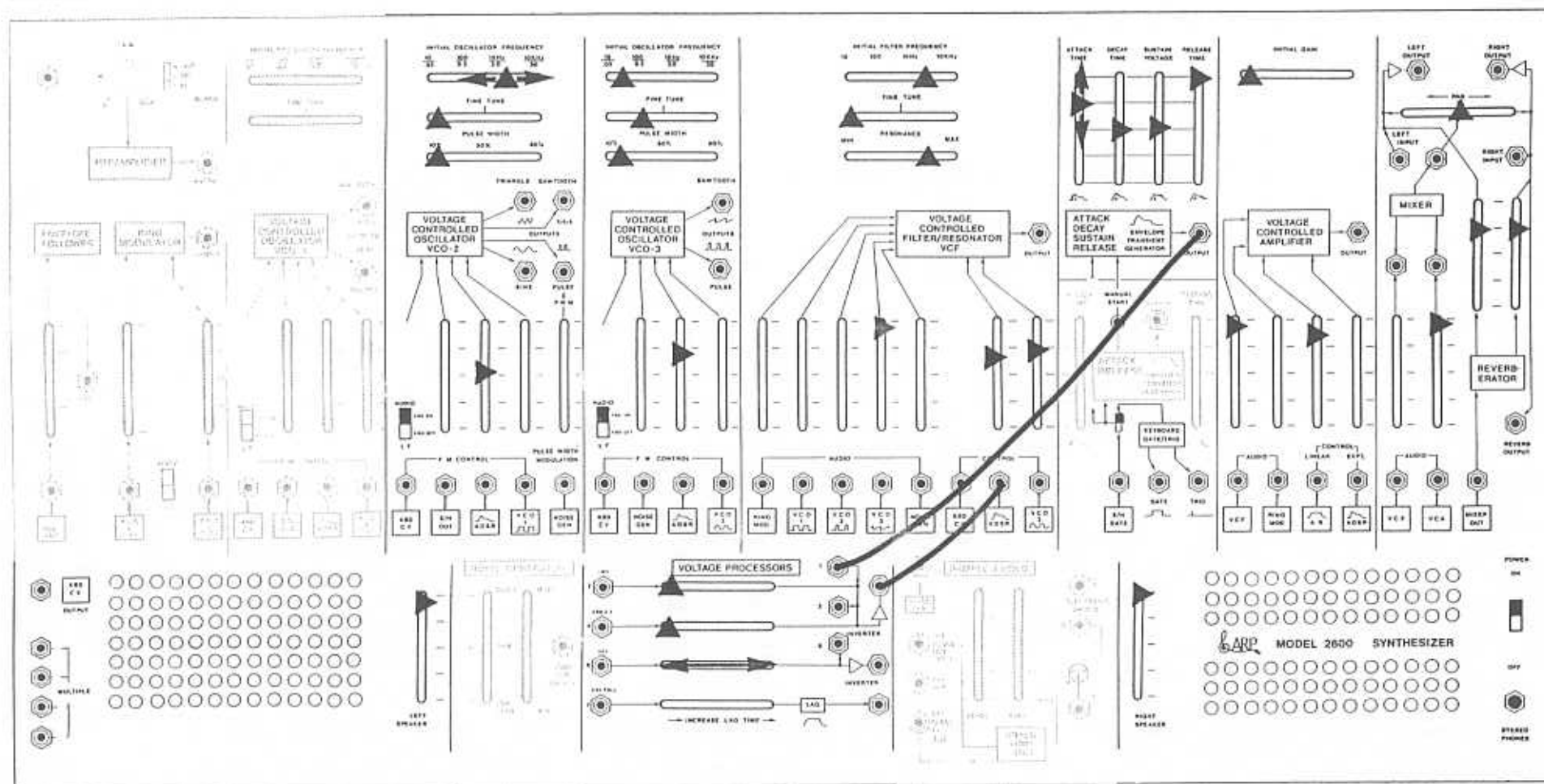


7 PATCHCORDS

Stereo Chickadee Conversation

61.

KEYBOARD RANGE: BOTTOM 2 OCTAVES OR MANUAL START



Adjust: ADSR into VCF.
 VCO 2 \sim | into VCF for 'voice-like' texture.
 VCO 2 frequency for different vowels.
 Resonance.
 Attack time on ADSR.

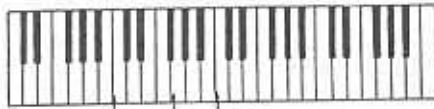
2 PATCHCORDS

"Oh Yeah!"

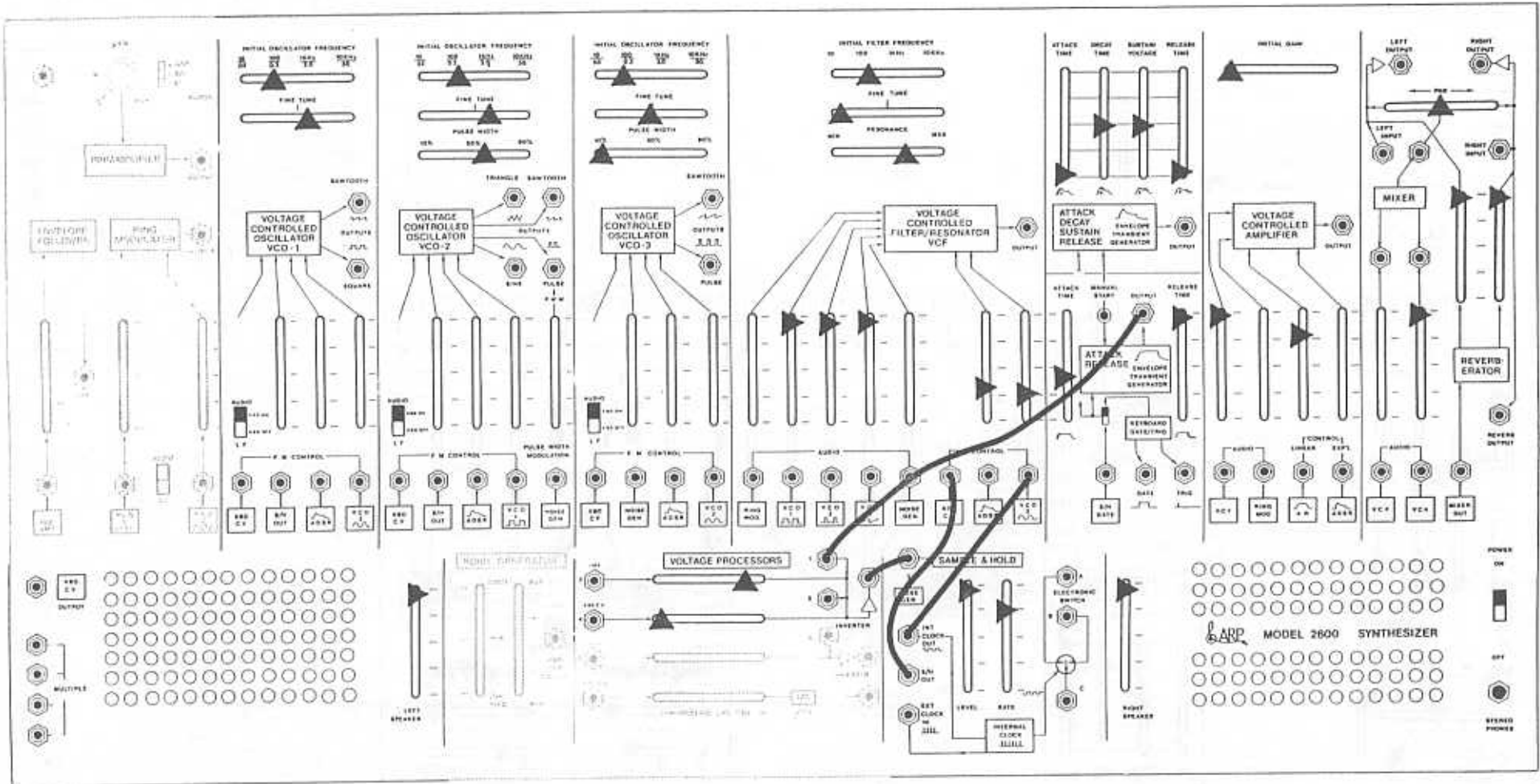
62.

Arpeggios, Chords & Sequences

VCO TUNING



VCO 1 VCO 3 VCO 2

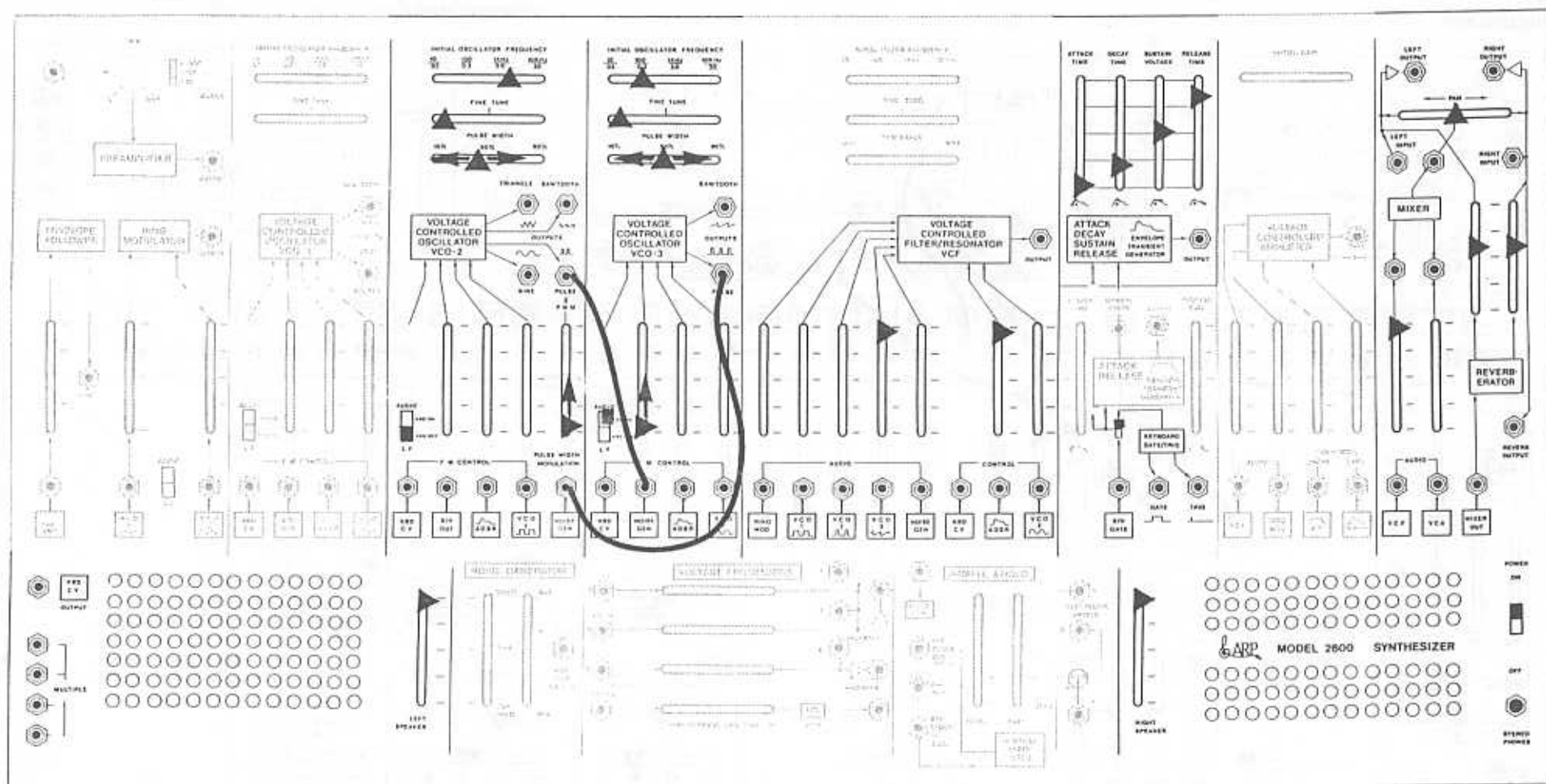
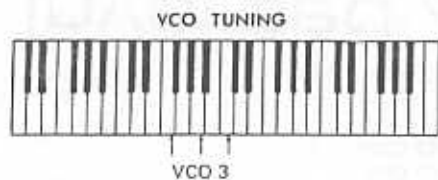


Tune: VCO 1 to one octave below middle C.
 VCO 2 to middle C.
 VCO 3 to a fourth below middle C.

4 PATCHCORDS

Inverted ADSR Harmonic Arpeggio

63.



1. Raise \uparrow into VCO 3, tuning interval to a fifth,
2. Raise \uparrow into VCO 2 for appearance of middle pitch,
3. Adjust VCO 2 Pulse Width for desired rhythm.
4. Tune middle note to a major third above bottom pitch with VCO 3 Pulse Width slider.

2 PATCHCORDS

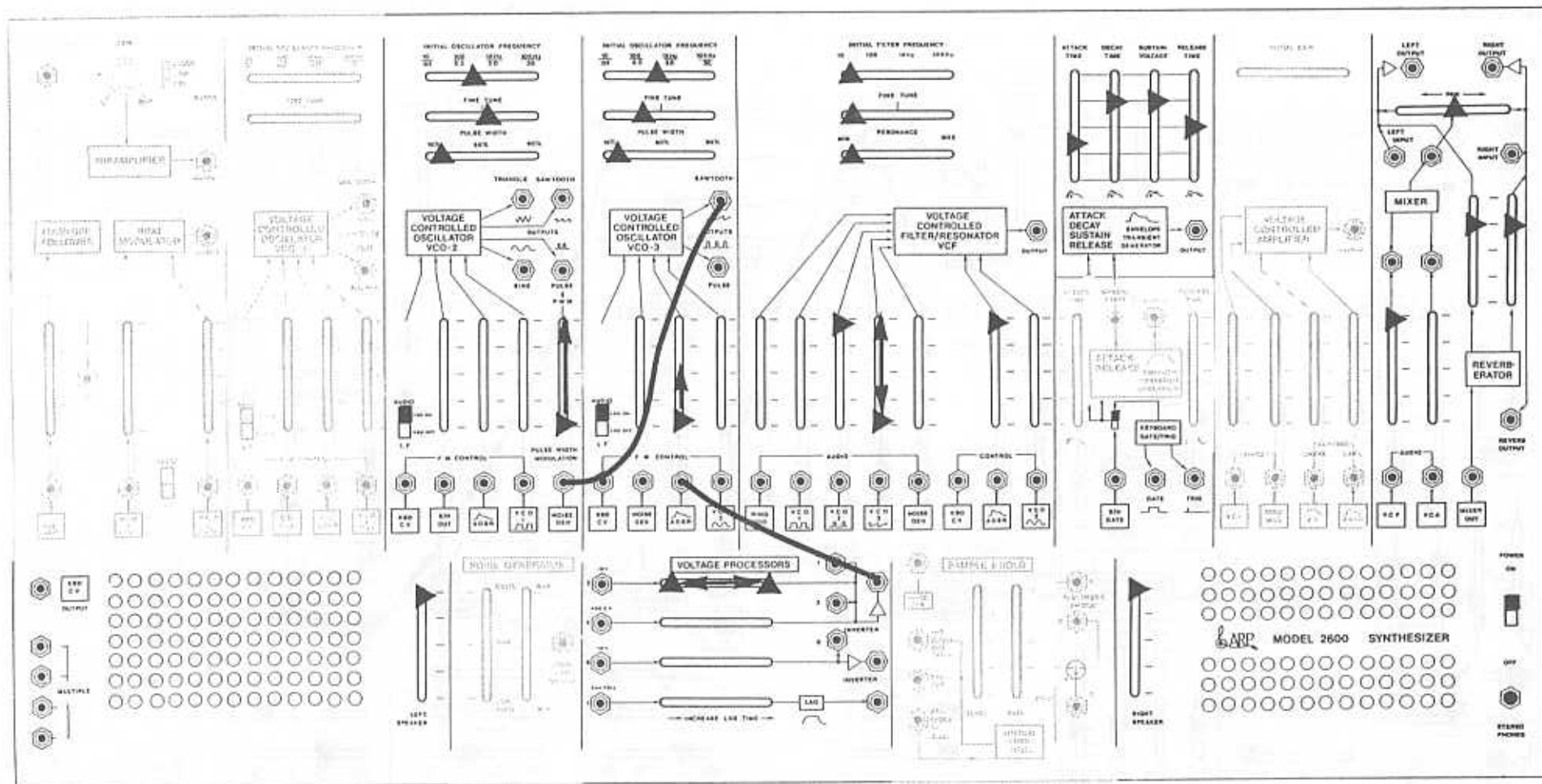
Three-note Tunable Sequence

64.

VCO TUNING



VCO 2 VCO 3



TONIC CHORD (I):

1. Tune VCO 2 to middle C.
2. Raise VCO 3 \sim into VCF and tune to a minor 6th above VCO 2 (C-A).
3. Close VCO 3 \sim and raise Pulse Width Mod slider fully into VCO 2.

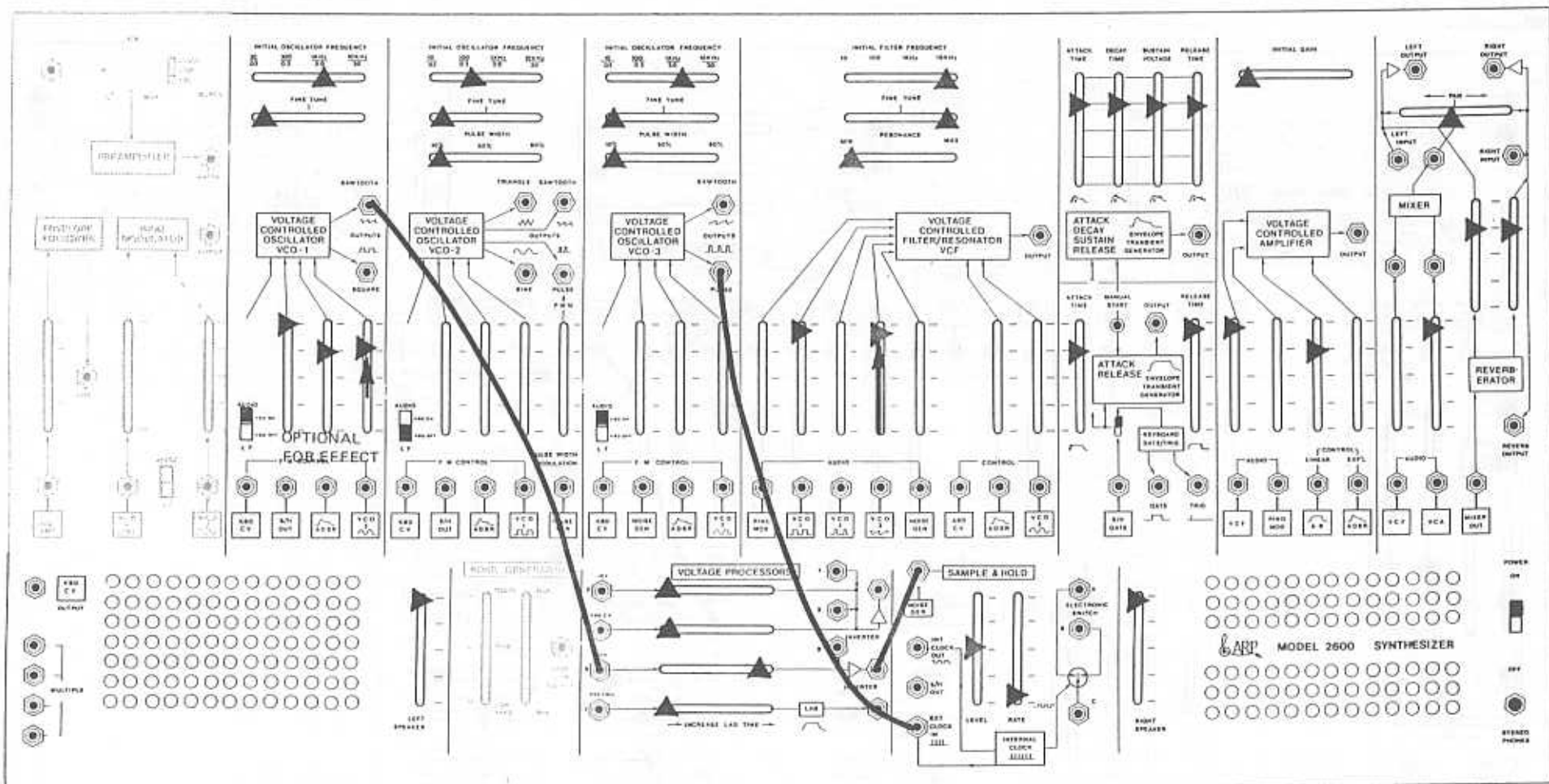
SUBDOMINANT CHORD (IV):

4. Move Inverter slider fully to the right.
5. Raise \sim into VCO 3 until a new chord is heard.
6. Moving Inverter slider back and forth produces either I or IV chord.

2 PATCHCORDS

Three-note Chord from Two VCOs

65.



Be certain that the frequency of VCO 3 is above that of VCO 1

3 PATCHCORDS

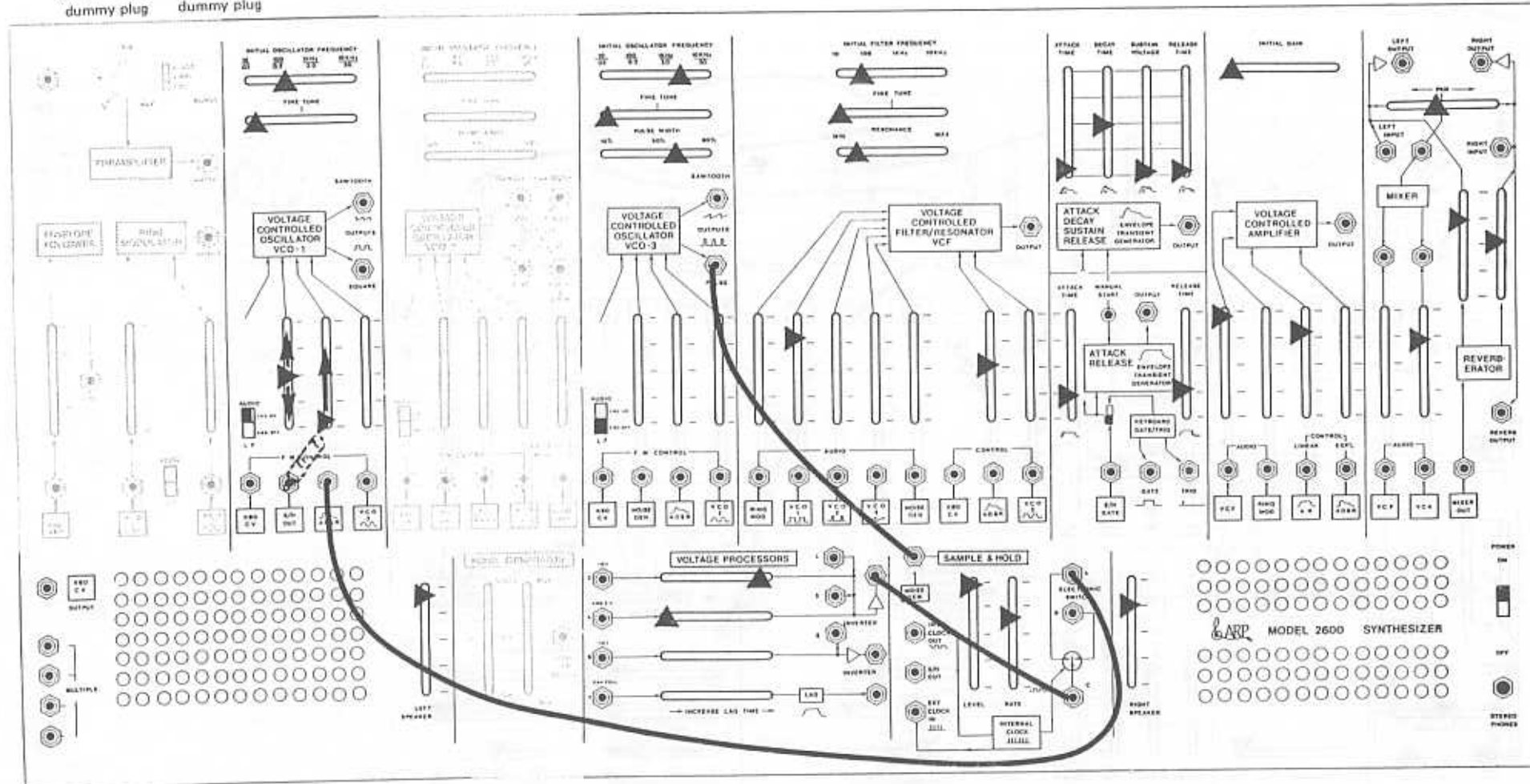
Inharmonic Sequencing

66.

VCO TUNING



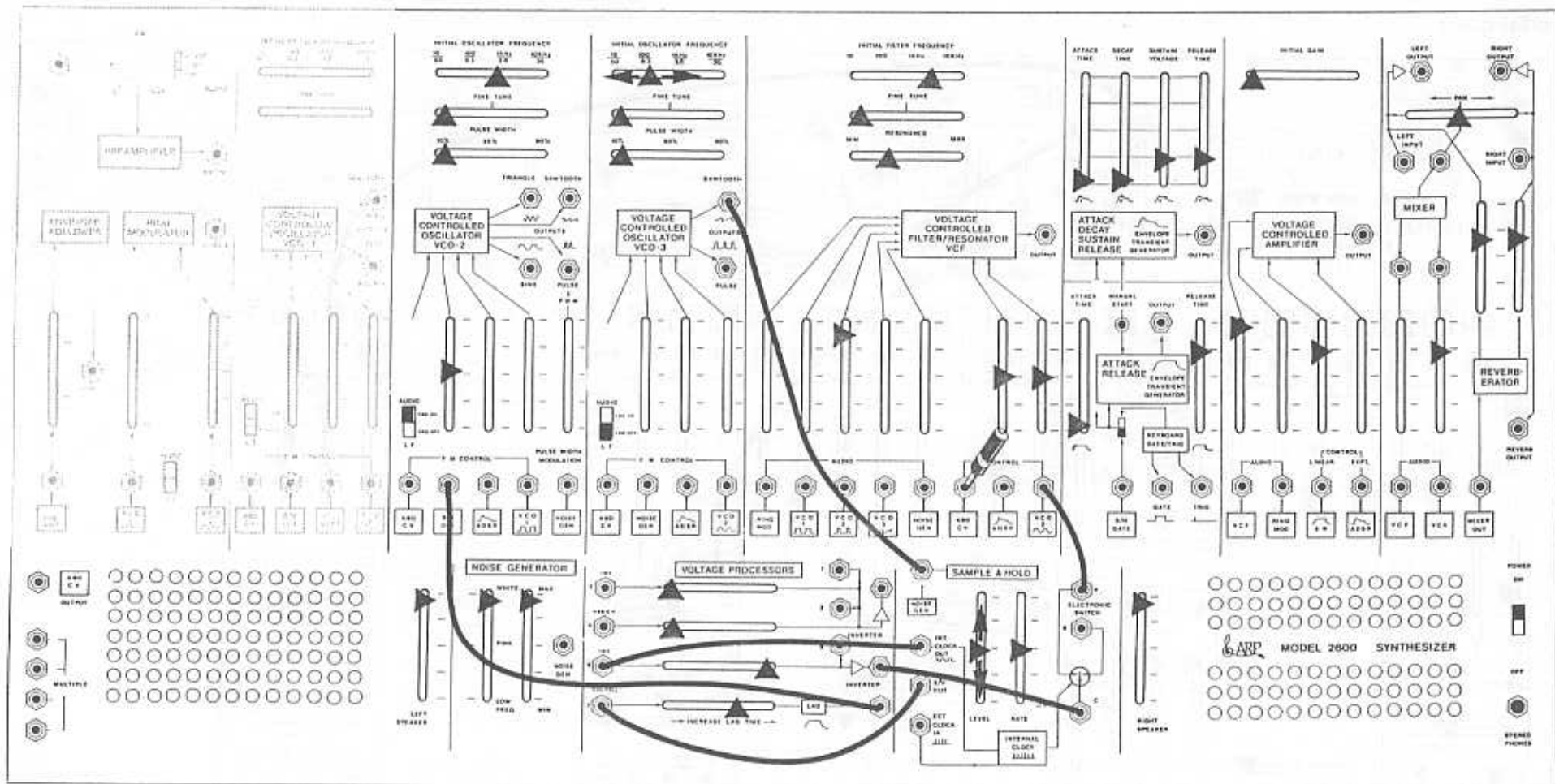
VCO 1 with dummy plug without dummy plug



- Tuning:
1. Tune S/H into VCO 1 to an octave interval.
 2. Insert dummy plug into S/H jack at VCO 1 and raise S/H , tuning to a fifth.
 3. Remove dummy plug.

3 PATCHCORDS

Random Select: Four-note Tunable Arpeggio



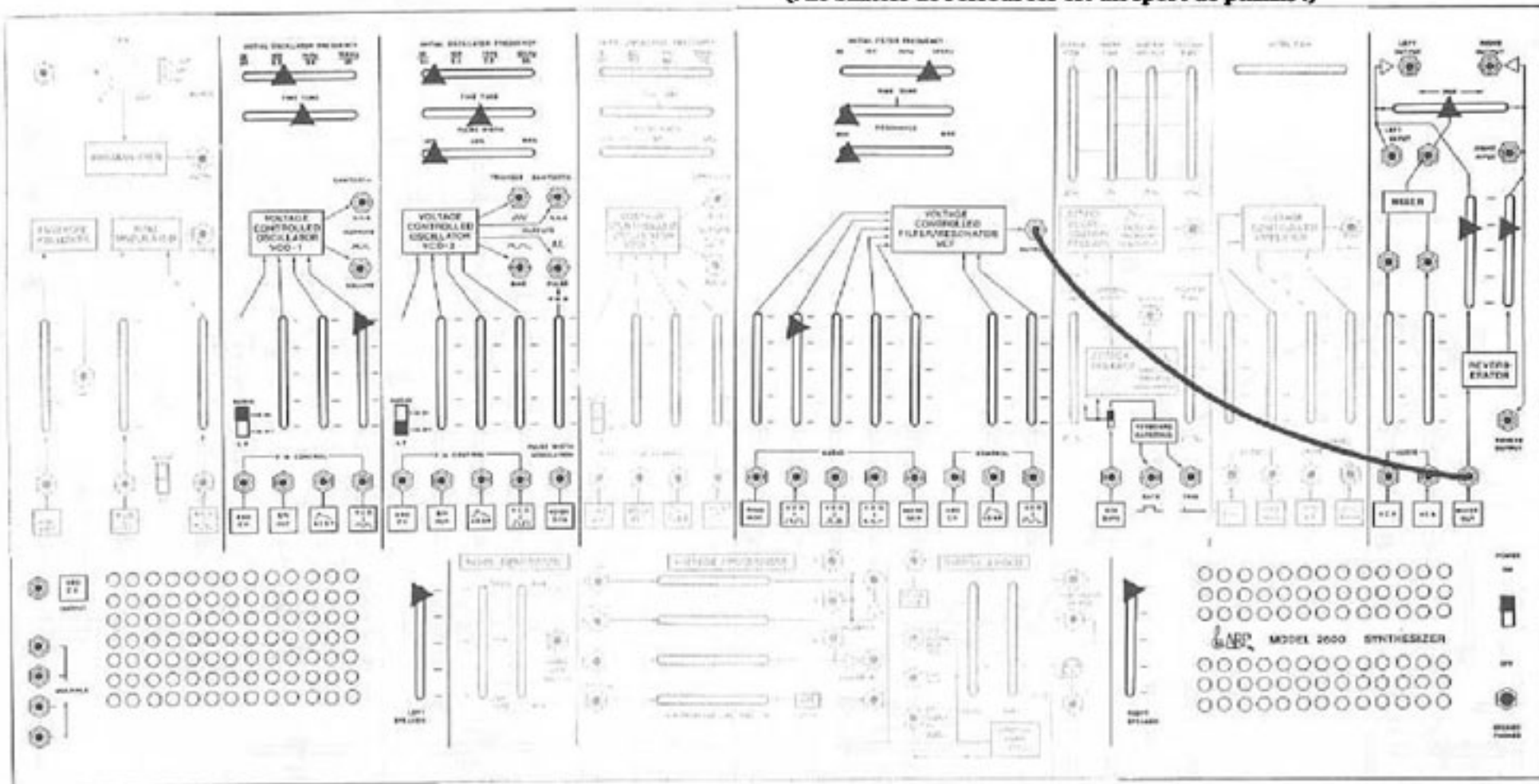
Tune: VCO 3 for desired pattern,
S/H level for desired interval.

6 PATCHCORDS
1 DUMMY PLUG

Gliding Intervals

68.

Sound Effects



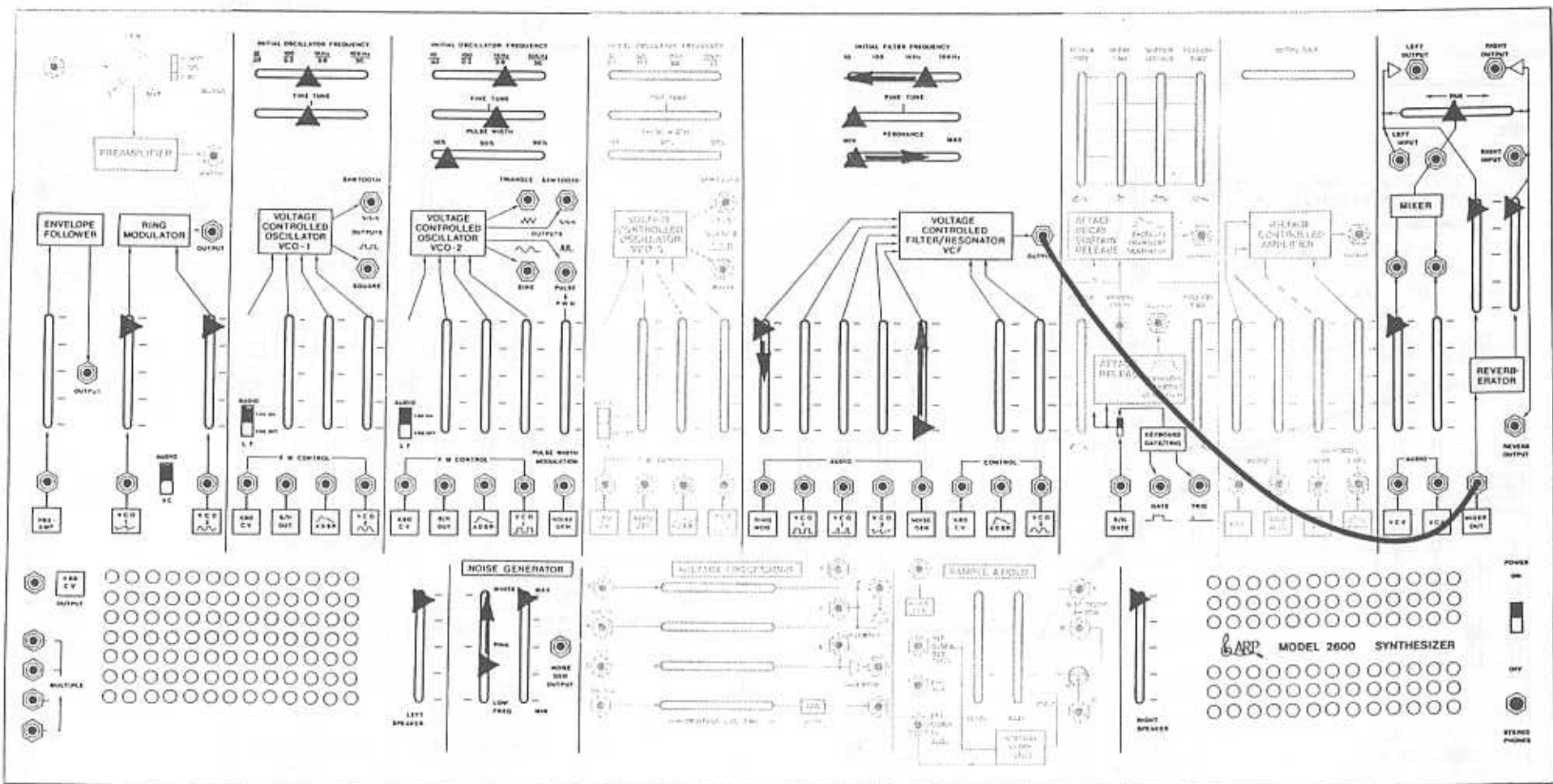
Switch VCO 2 Keyboard Switch on and off for horn blast.

1 PATCHCORD

PLAY KEY G3

Firetruck Siren with Horn Blast

69.



Portamento



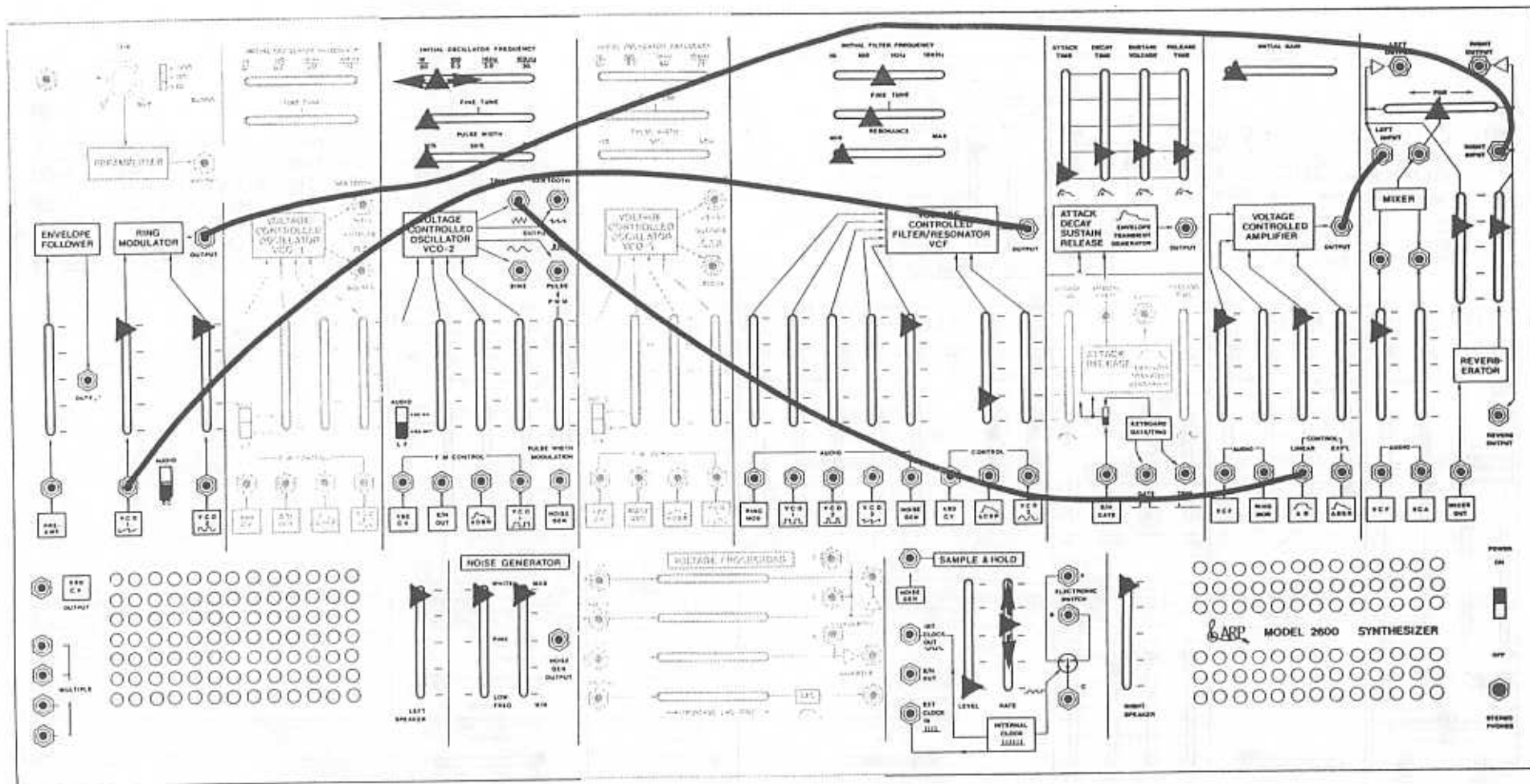
Procedure:

1. Play Key C1, glide to C5.
2. Raise Noise into VCF.
3. Lower Ring Mod at VCF as shown.
4. Raise Noise color—Pink to White.
5. Simultaneously, move VCF frequency to left and move Resonance to right.

1 PATCHCORD

727 Starting Up, Taxiing & Taking Off

70.



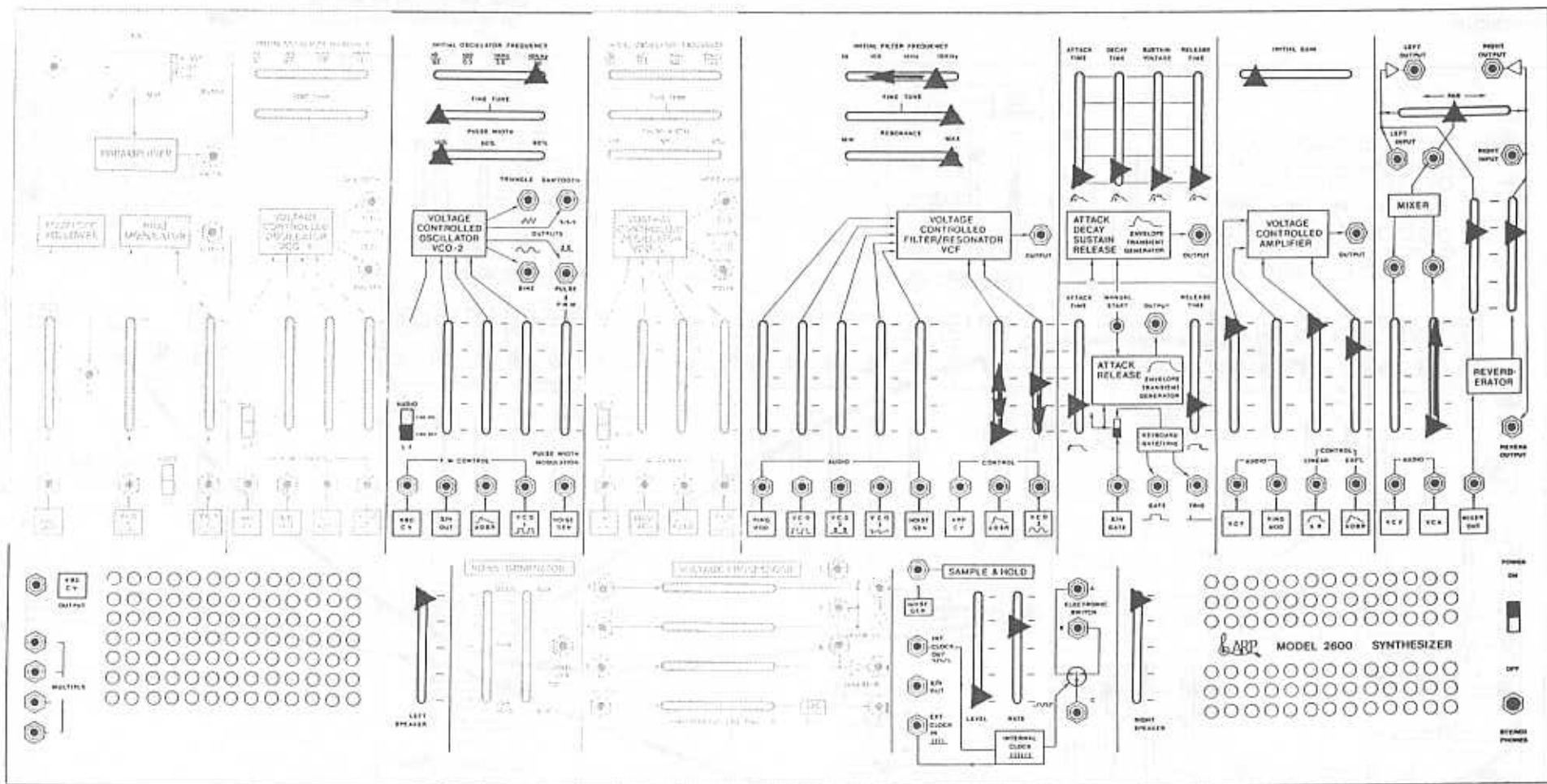
Adjust: VCO 2 frequency for pan speed.
S/H Rate for train 'chugga' speed.

PLAY KEY C4

4 PATCHCORDS

Panning Freight Train

VCO TUNING

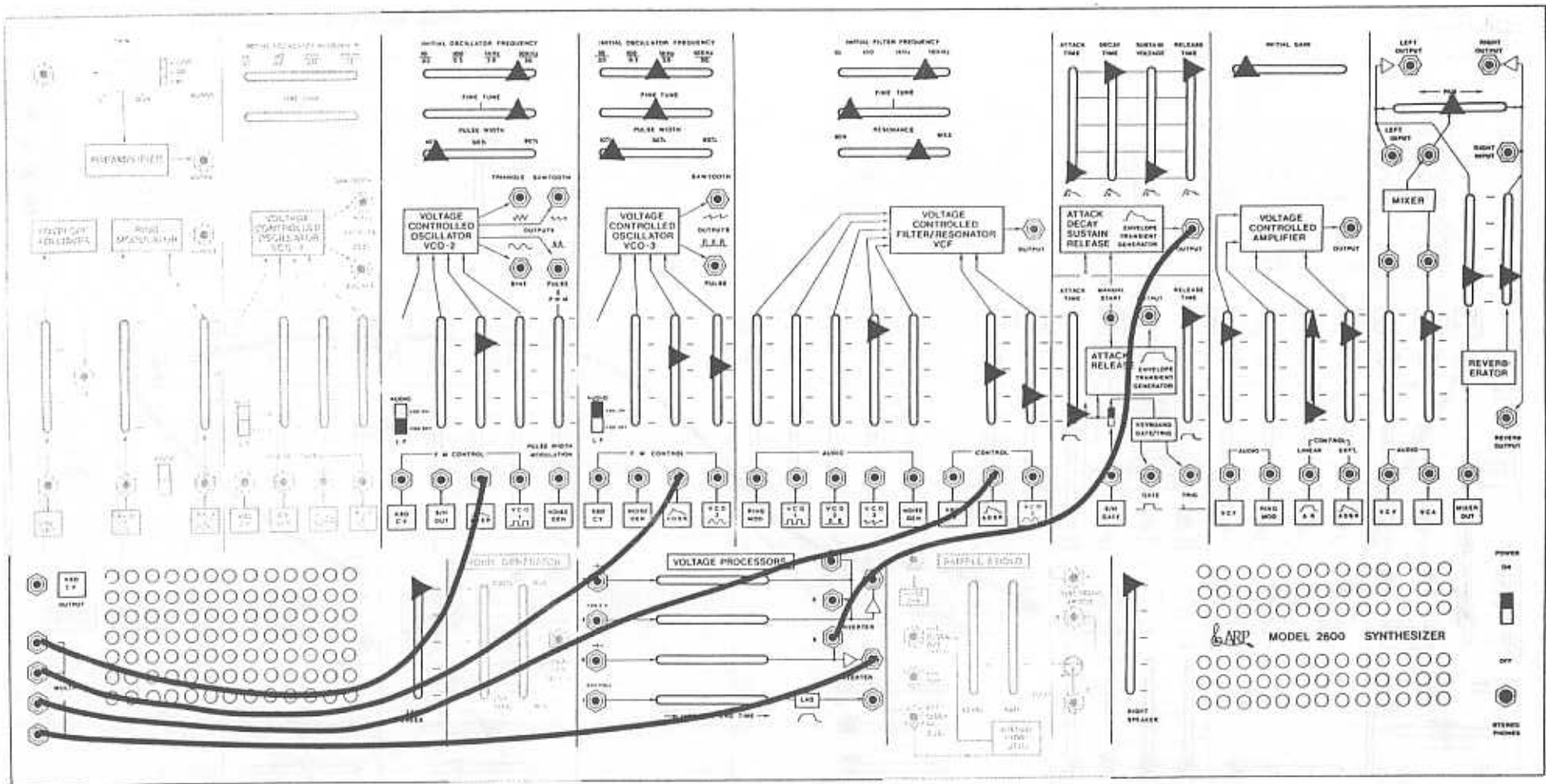


SEQUENCE:

1. Raise VCA into Mixer.
2. Move VCF frequency from 10K to 100 slowly.
3. Lower VCO 2 ~~~~~ | at VCF and jerk ADSR slider into VCF up and down in time to the drum solo.

Edgar Winter's "Frankenstein"

72.

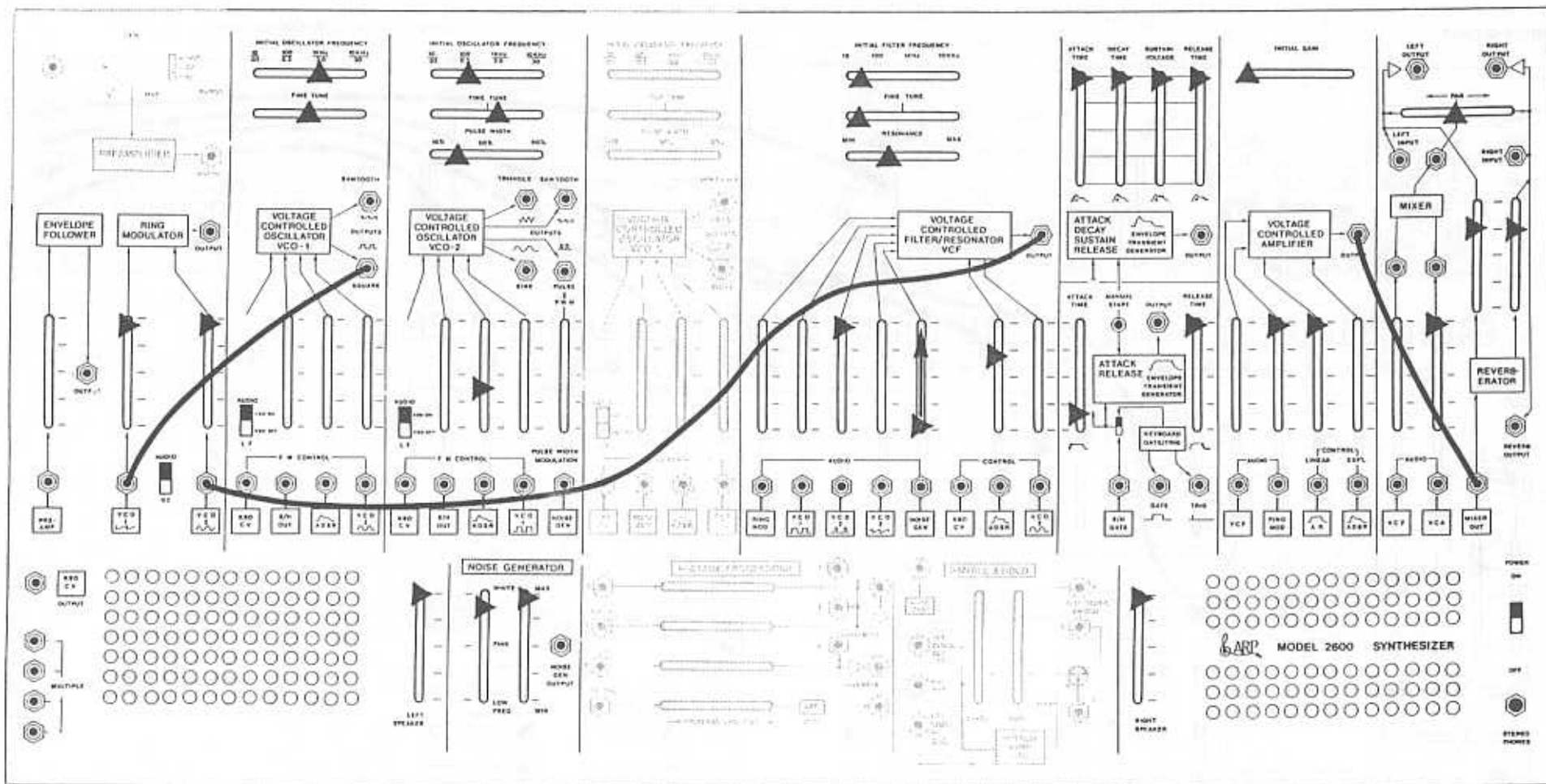


Raise AR into VCA for longer Boing.

5 PATCHCORDS

Boing!

73.



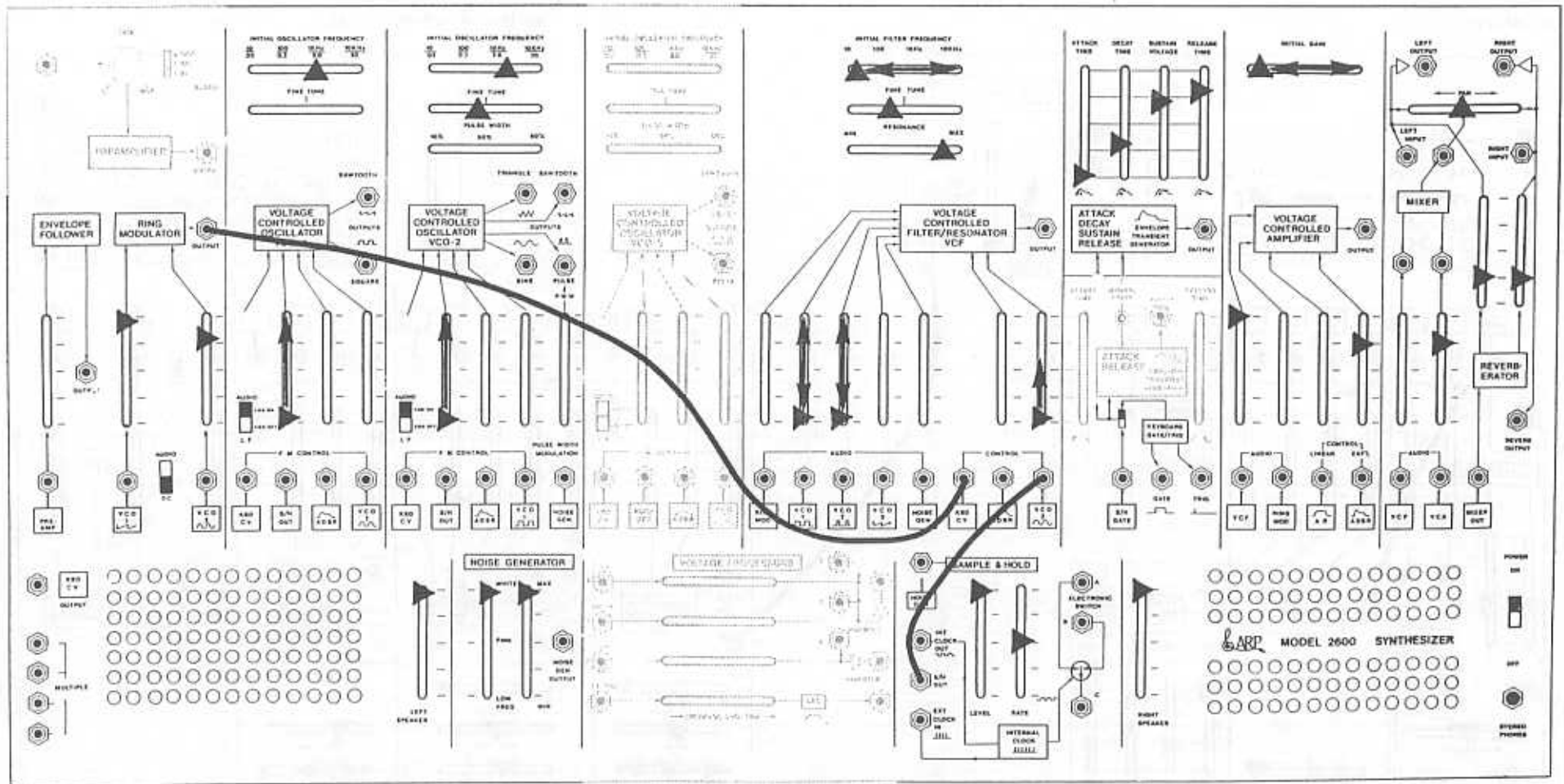
Raise Noise into VCF for special effects.
 PLAY KEY Eflat3

3 PATCHCORDS

Wampus Monster

74.



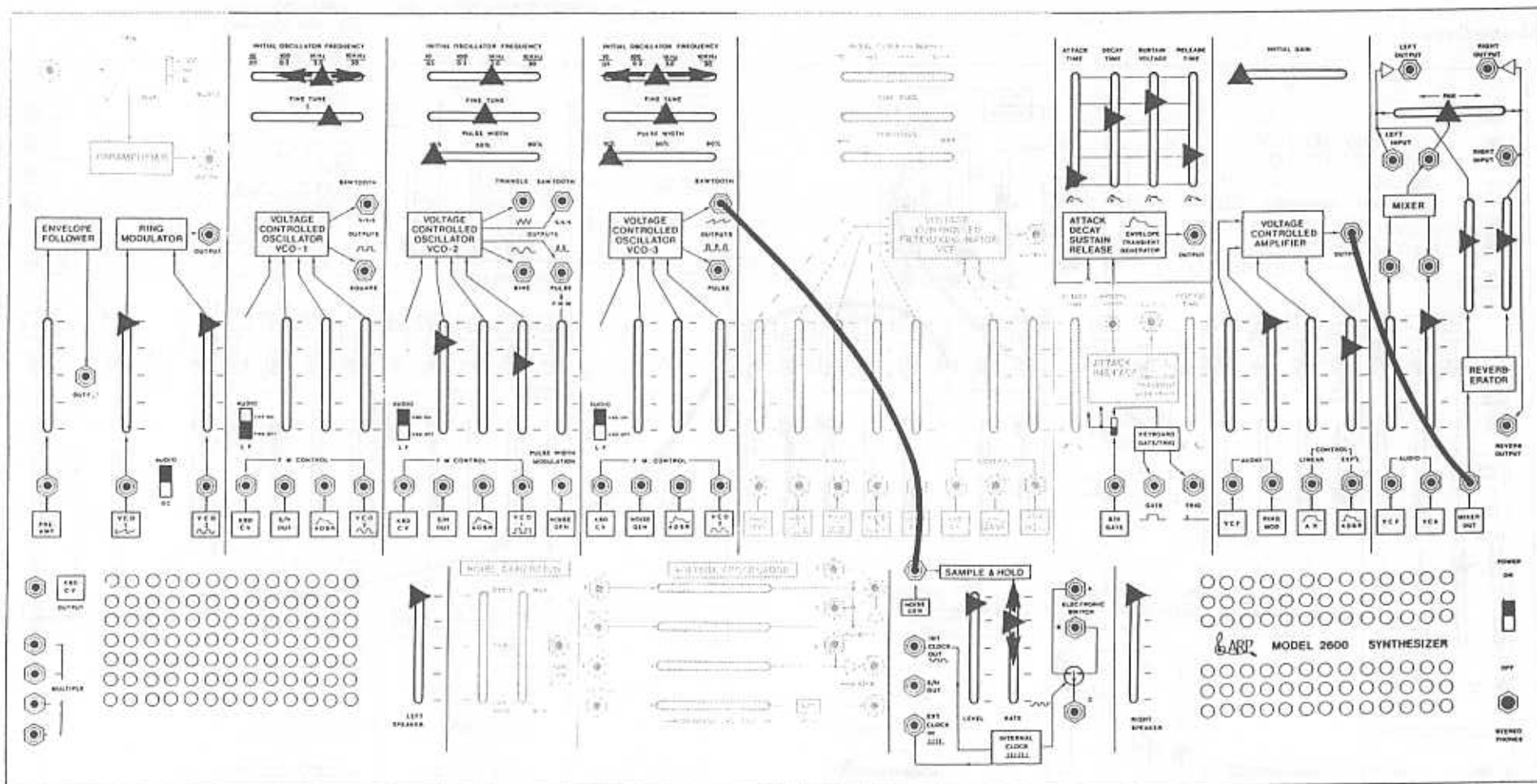


1. Open VCF and VCA —
2. Raise VCO 1 and 2 into VCF and Tune to unison.
3. Close VCF and VCA. Close VCO 1 and 2 at VCF ↓
4. Raise: S/H into VCO 1 and 2 fully.
Control slider at VCF as shown.
5. Switch to S/H GATE.

2 PATCHCORDS

Assorted Splats & Sproings

75.

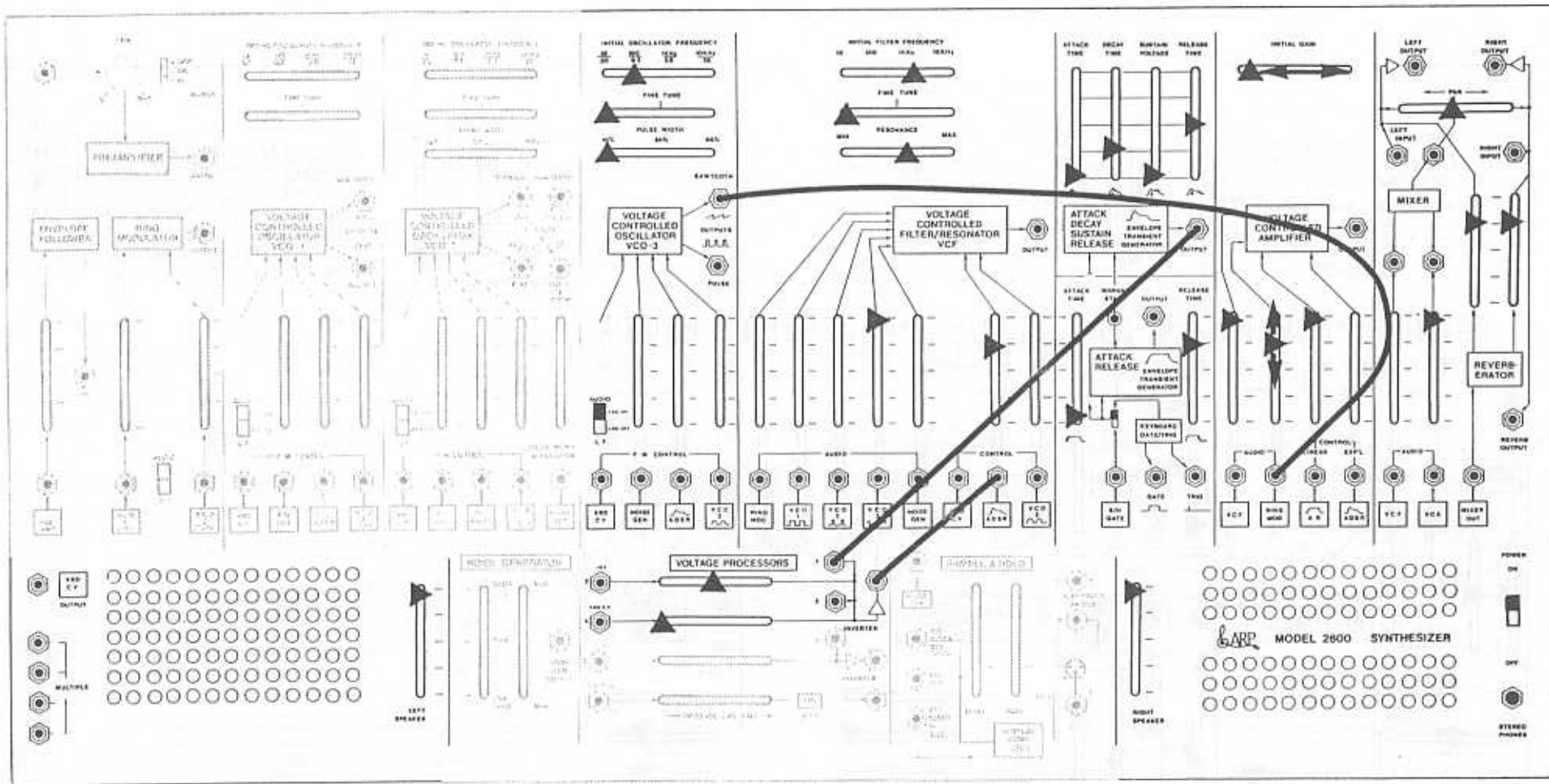


Adjust: VCO 1 frequency for speed of pattern.
 VCO 3 frequency for different patterns.
 S/H Rate for speed of drops.

2 PATCHCORDS

Prancing Raindrops

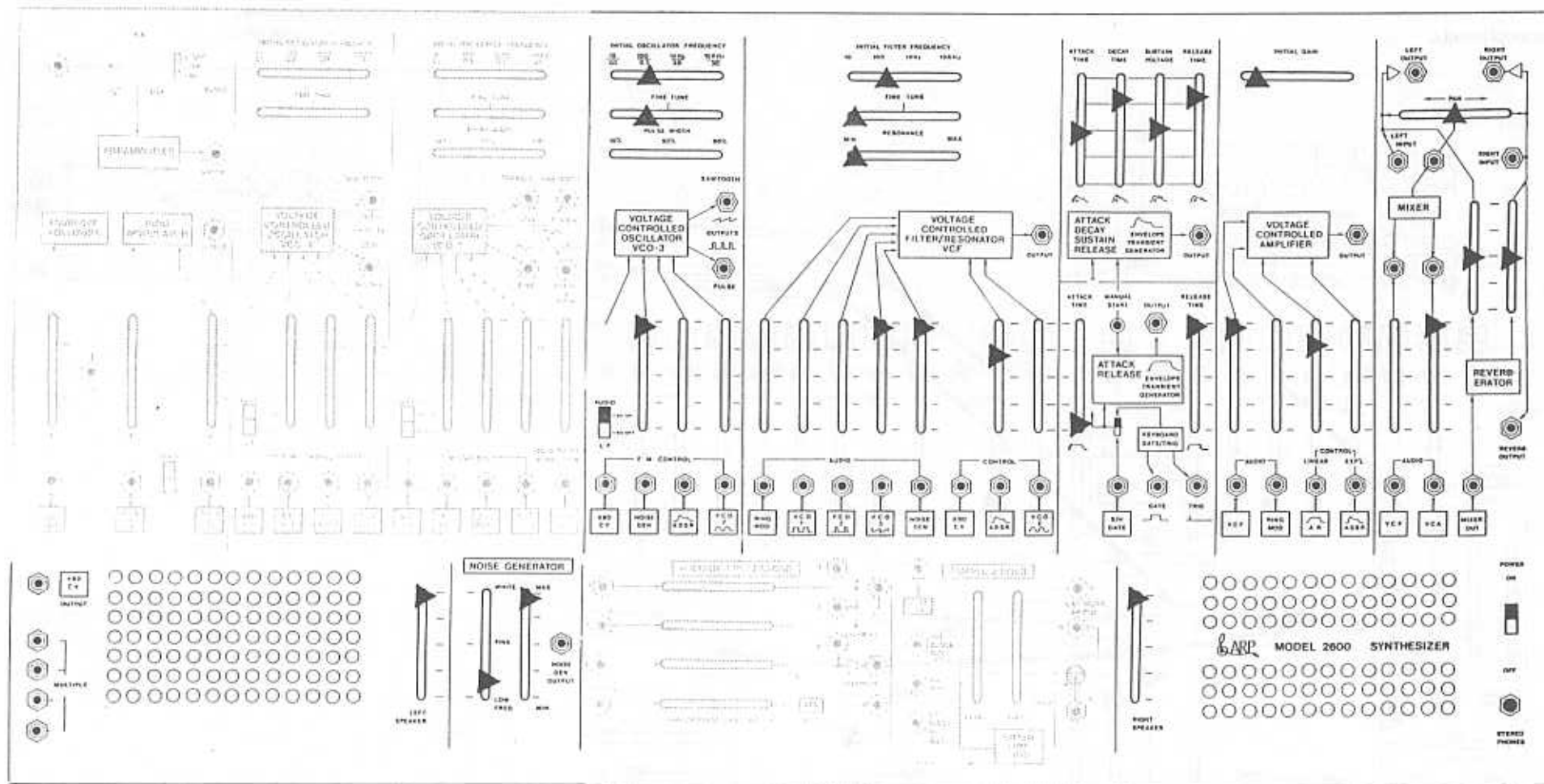
76.



1. Open VCA — .
2. Adjust VCO 3 gain into VCA for minimum volume.
3. Close VCA — .

3 PATCHCORDS

“Pwee” or Synthesized High-pass Filter **77.**

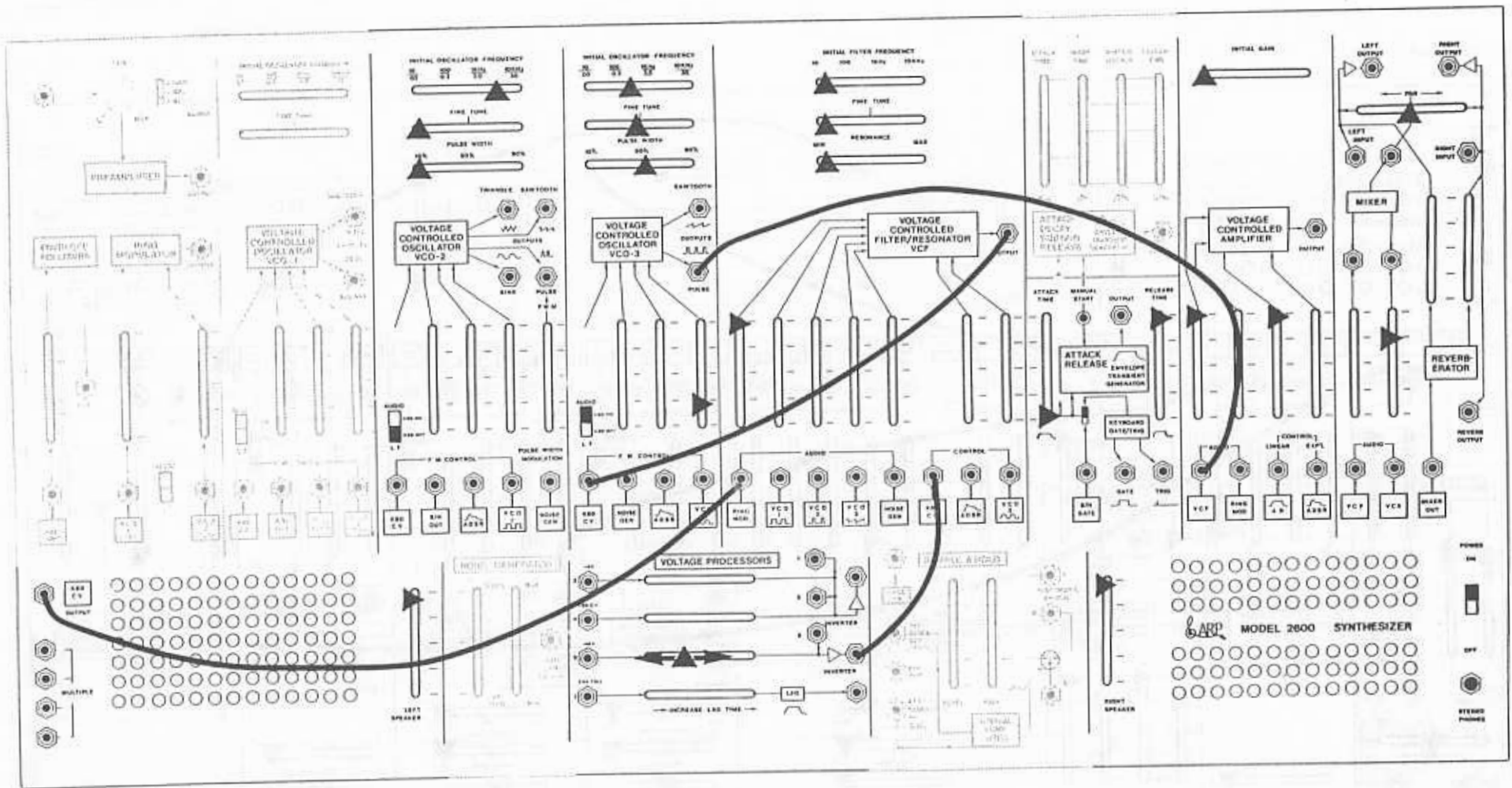


Explosion

78.



Advanced Applications

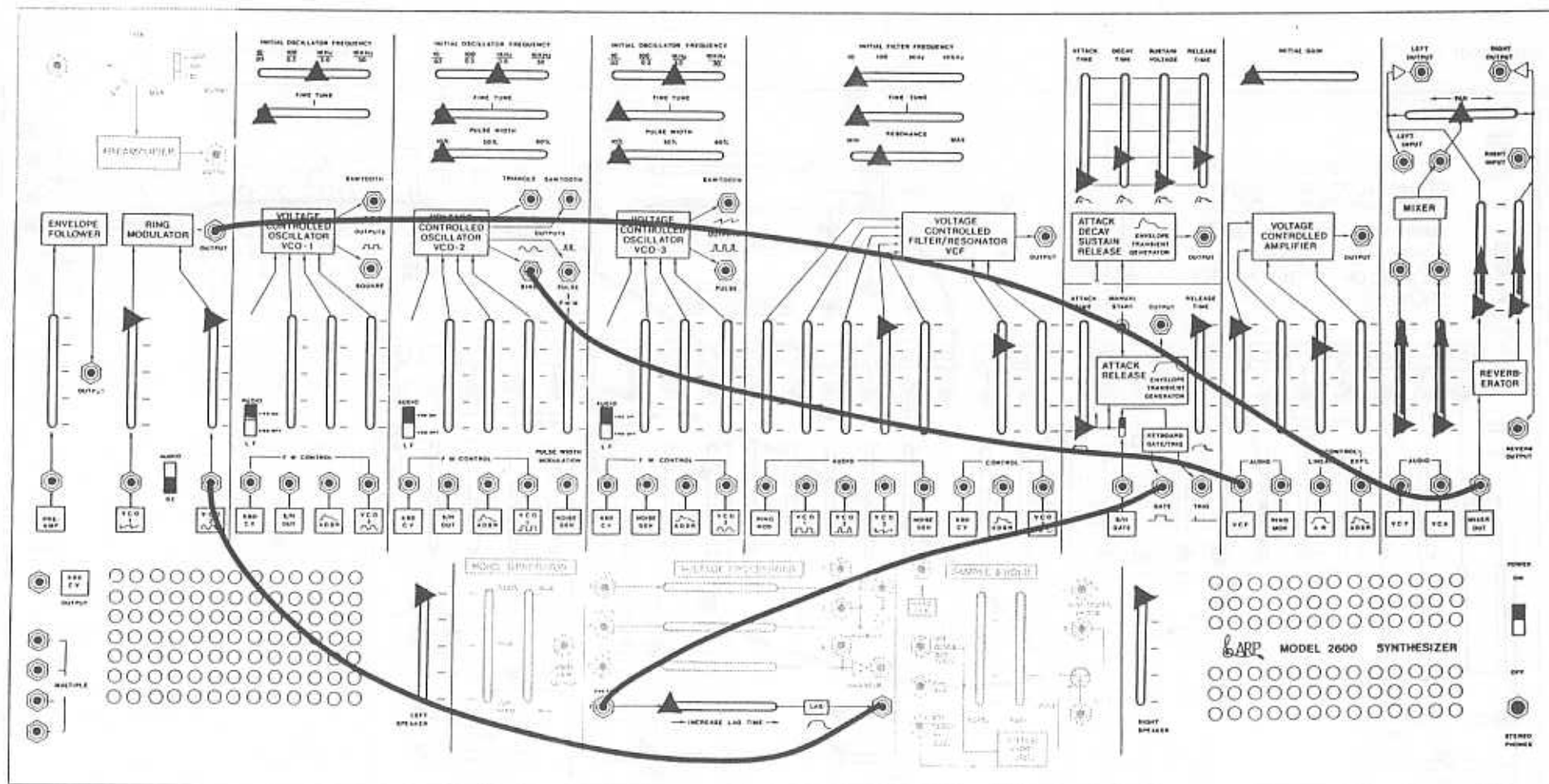


Adjust Inverter for 'glide time'.

4 PATCHCORDS

Ultraglide with Release Memory

79.



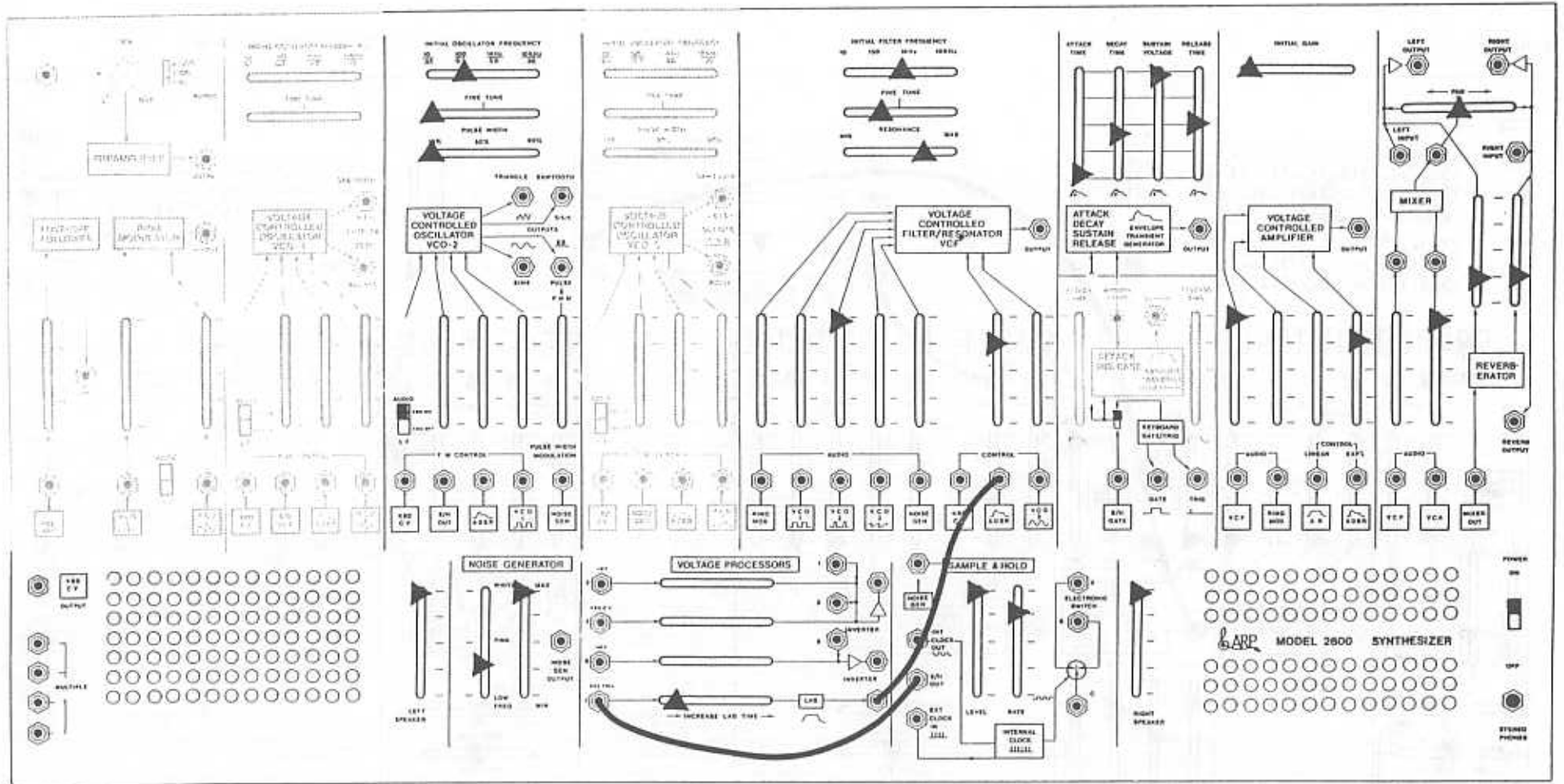
Tune Oscillators as desired.

Balance volume at arrows.

4 PATCHCORDS

Trio: Three Separate Envelopes & Timbres **80.**

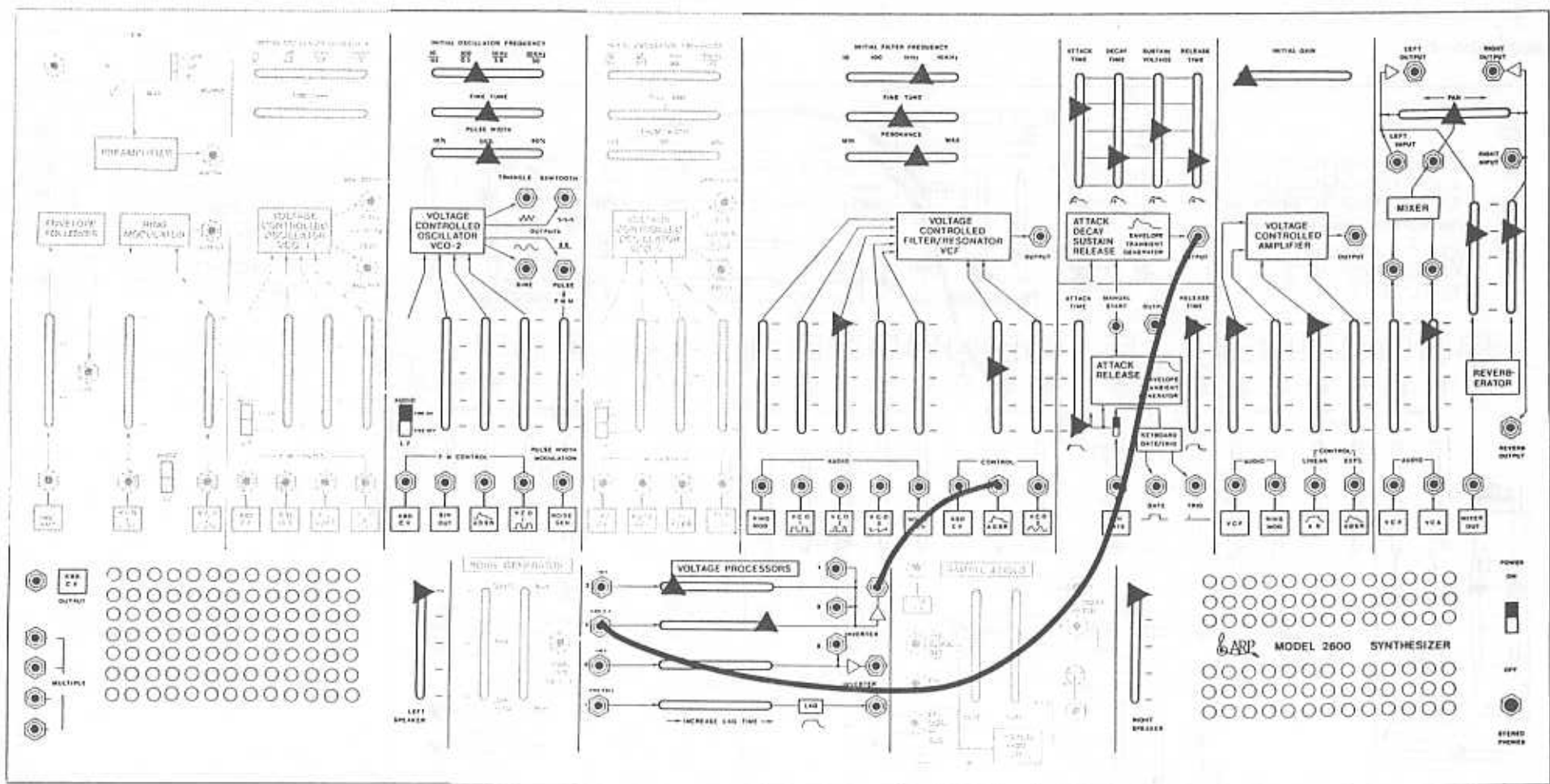




2 PATCHCORDS

Lagged S/H to Filter

81.



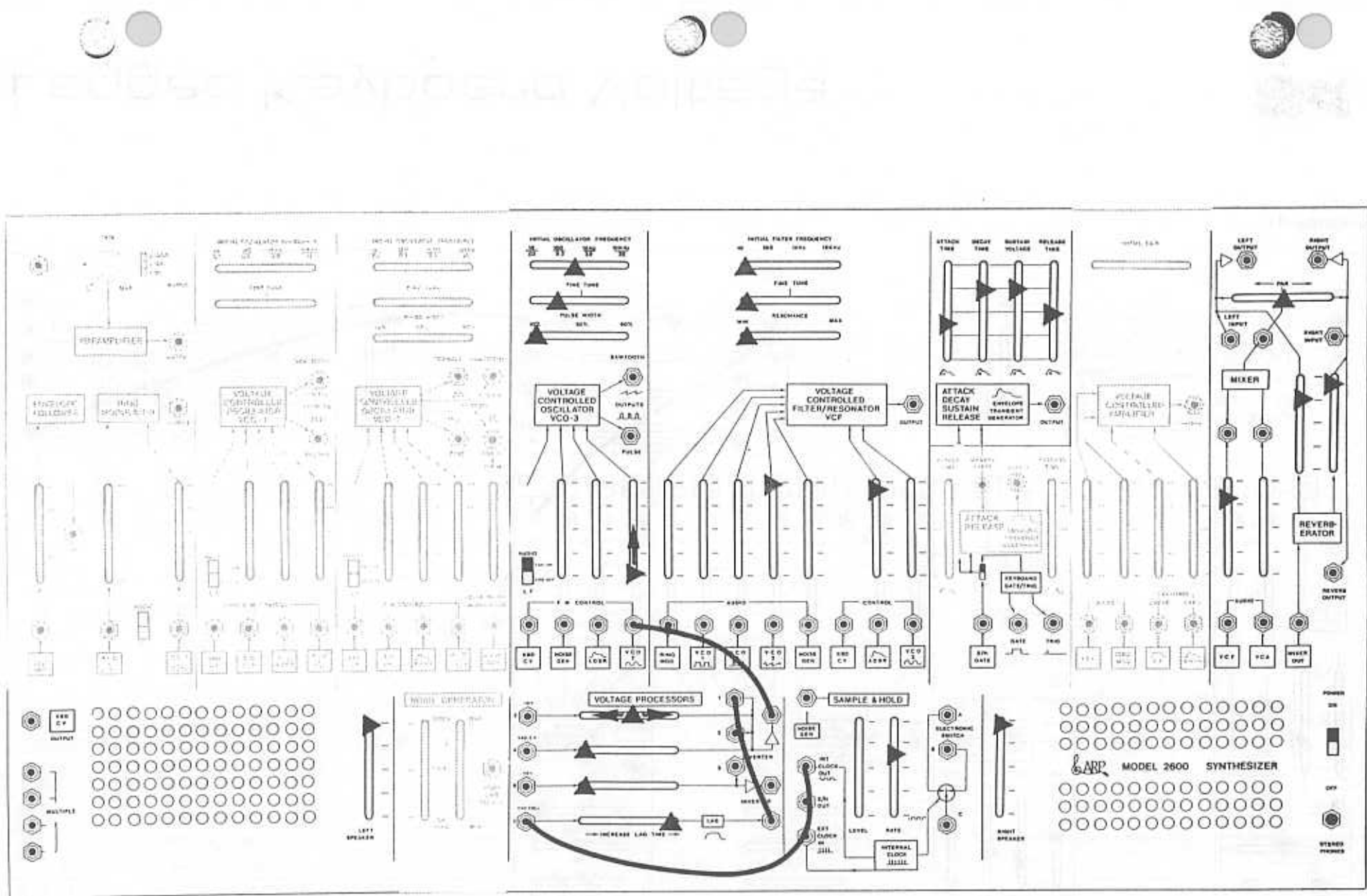
Adjust VCF frequency for desired 'owwa':

2 PATCHCORDS

“Owwa” or Inverted ADSR to VCF

82.

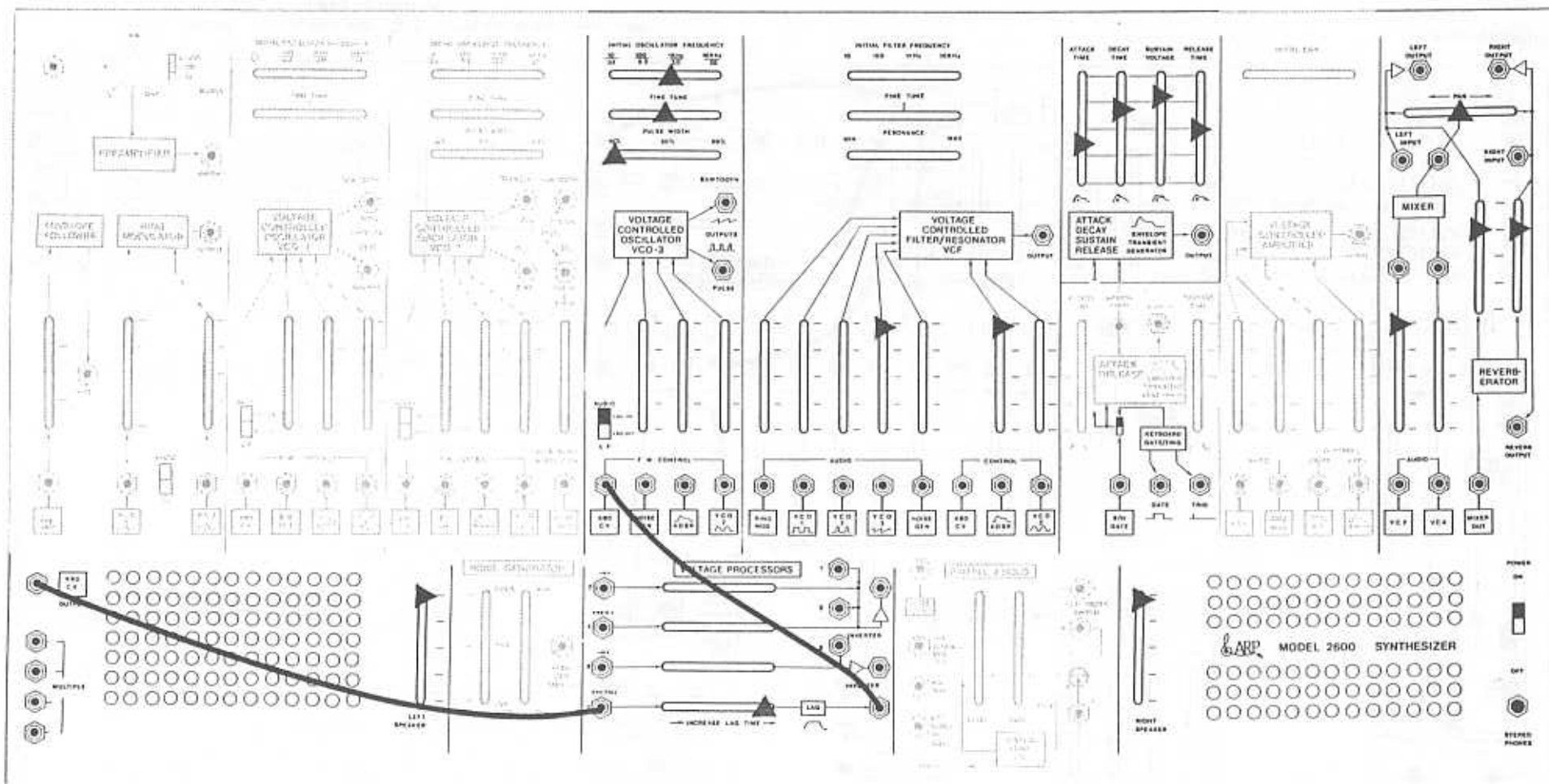




Adjust: Inverter into VCO 3 for fine tuning and vibrato depth.
 S/H Rate for vibrato speed.

3 PATCHCORDS

Basic Vibrato from Internal Oscillator

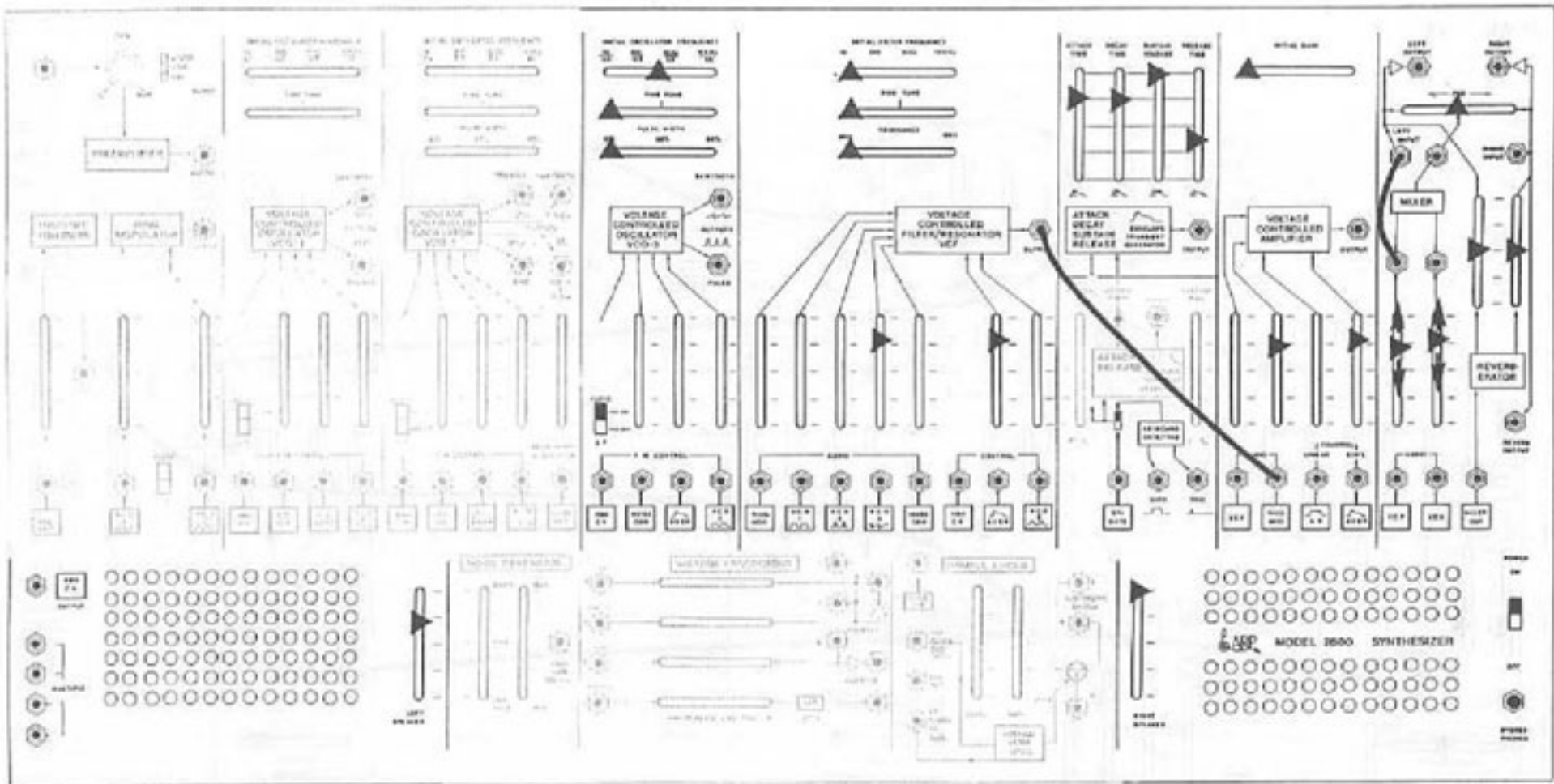


2 PATCHCORDS

Lagged Keyboard Voltage

84.





1. Hold down any key.
2. Adjust VCF and VCA Mixer sliders for minimum volume in left speaker.
3. Adjust ADSR sliders for speed and position of pan.

OLDSCHOOL-SOUND

www.oldschool-sound.com

!!!!!! An exclusive free release !!!!!!

SCAN by PASCAL.W -aka- "Analog Monkey"
Free manuals for Free Vintage addicts ! Creative use only

\$\$\$ Not For Resale \$\$\$

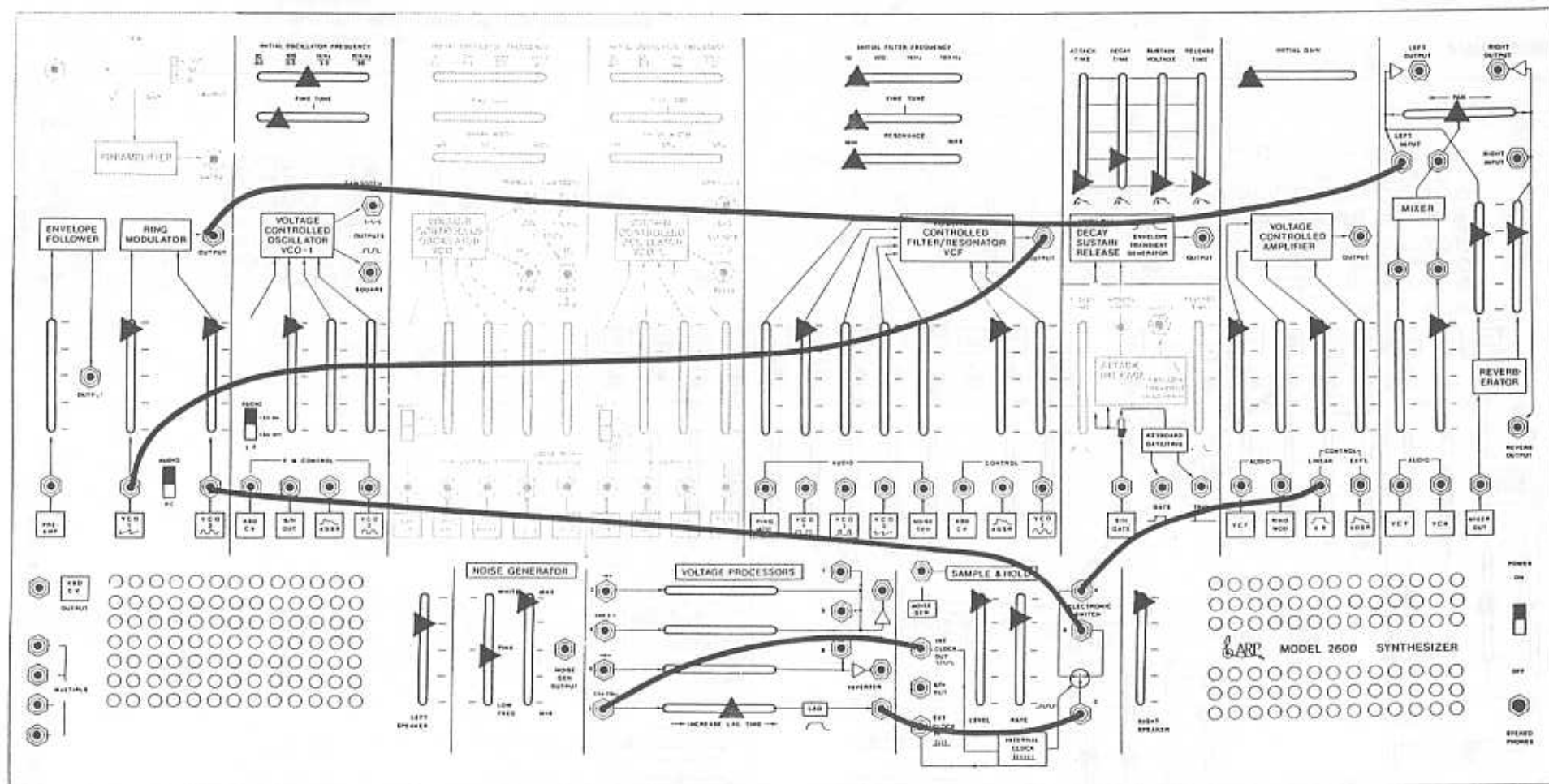
(: Le bizness de ressources est un sport de ptizis :)

2 PATCHCORDS

ADNR Pan

85.

V0215 5FU

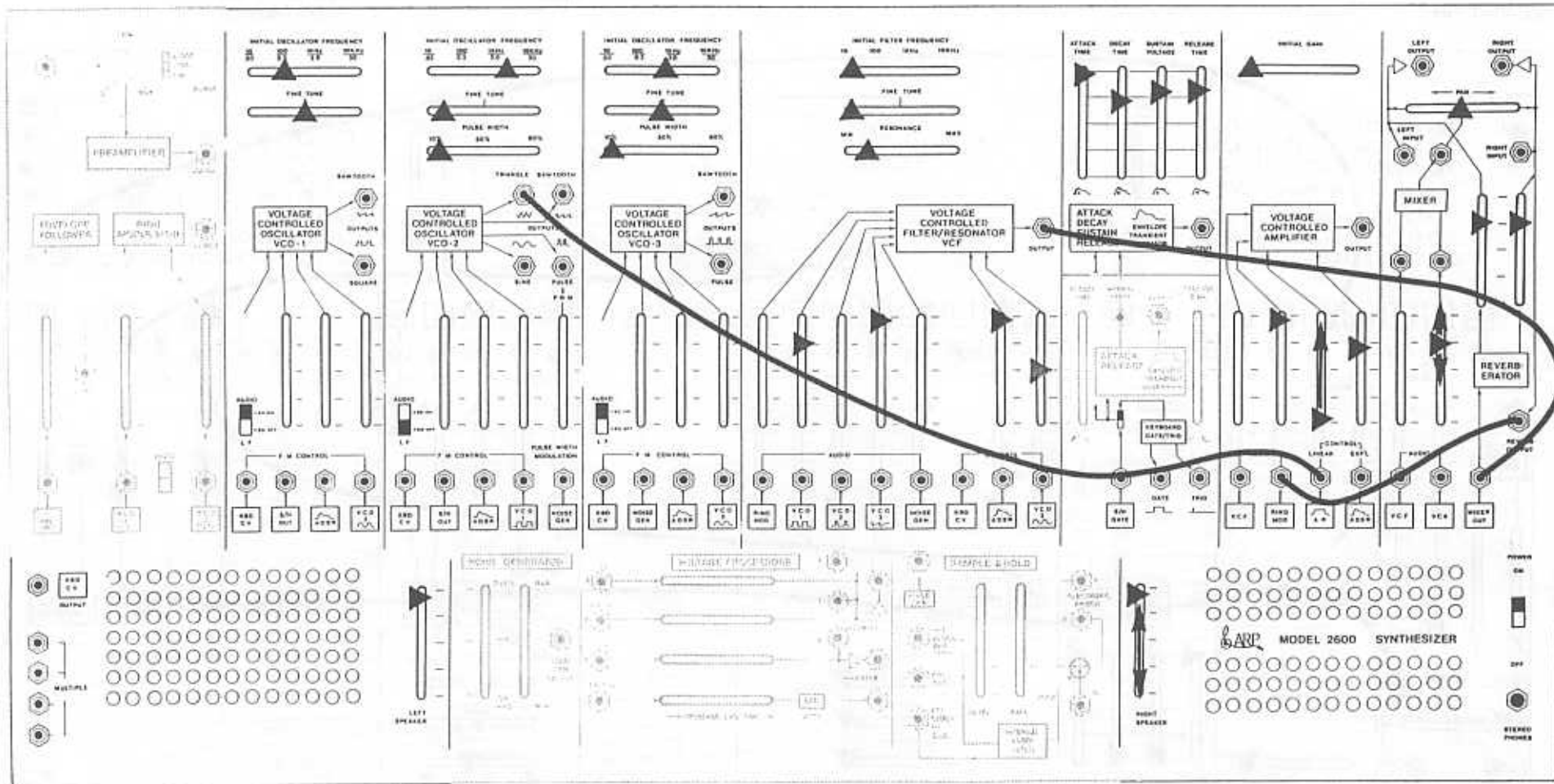


6 PATCHCORDS

Auto-pan on S/H

86.



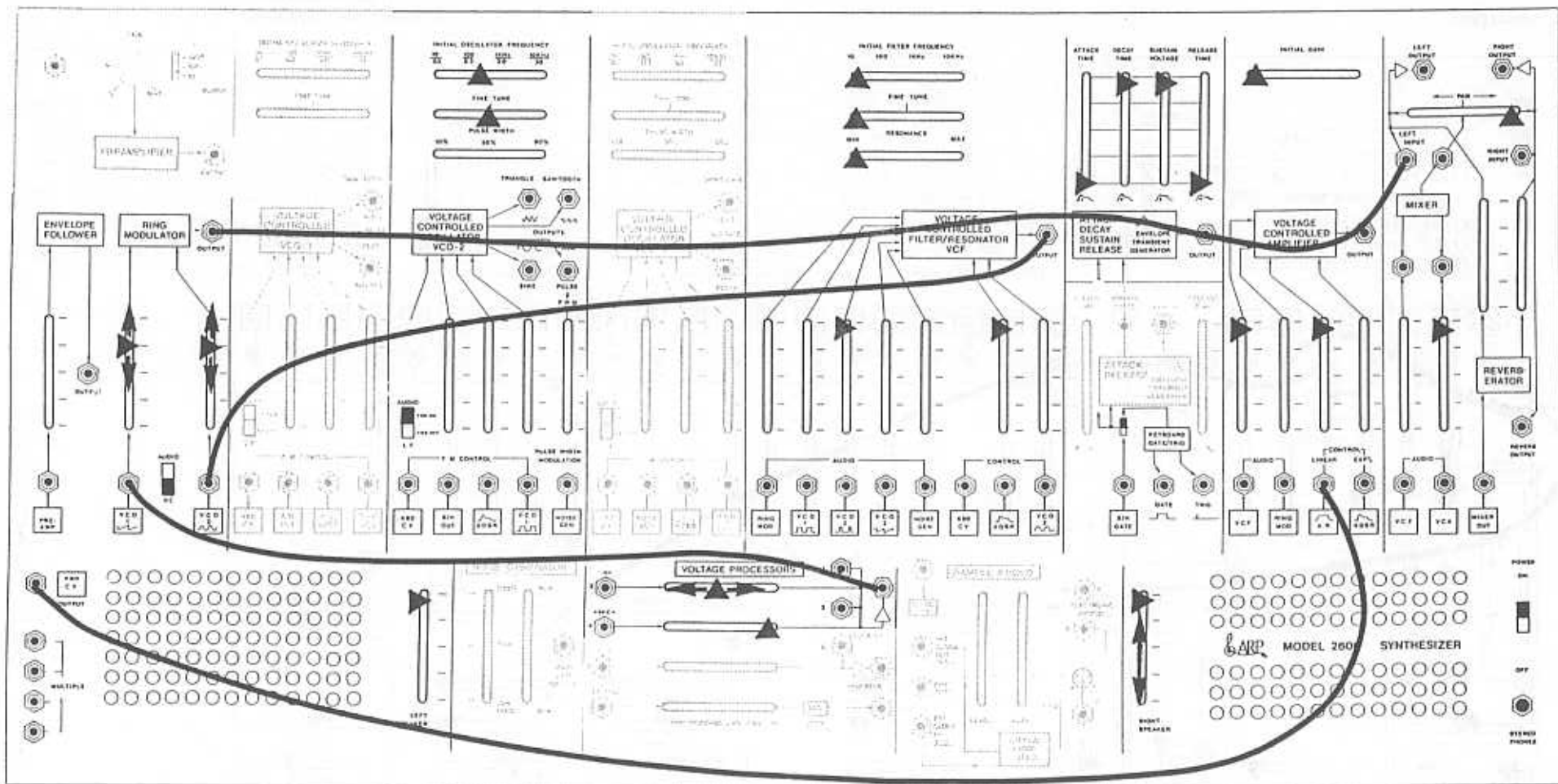


1. Tune VCO 1 and 3 as desired.
2. Close right speaker |
3. Press any key and adjust VCA into Mixer for minimum volume in left speaker.
4. Open right speaker | and raise Linear Control into VCA.
5. Adjust VCO 2 frequency for pan speed.

3 PATCHCORDS

Auto-pan with Reverb

87.



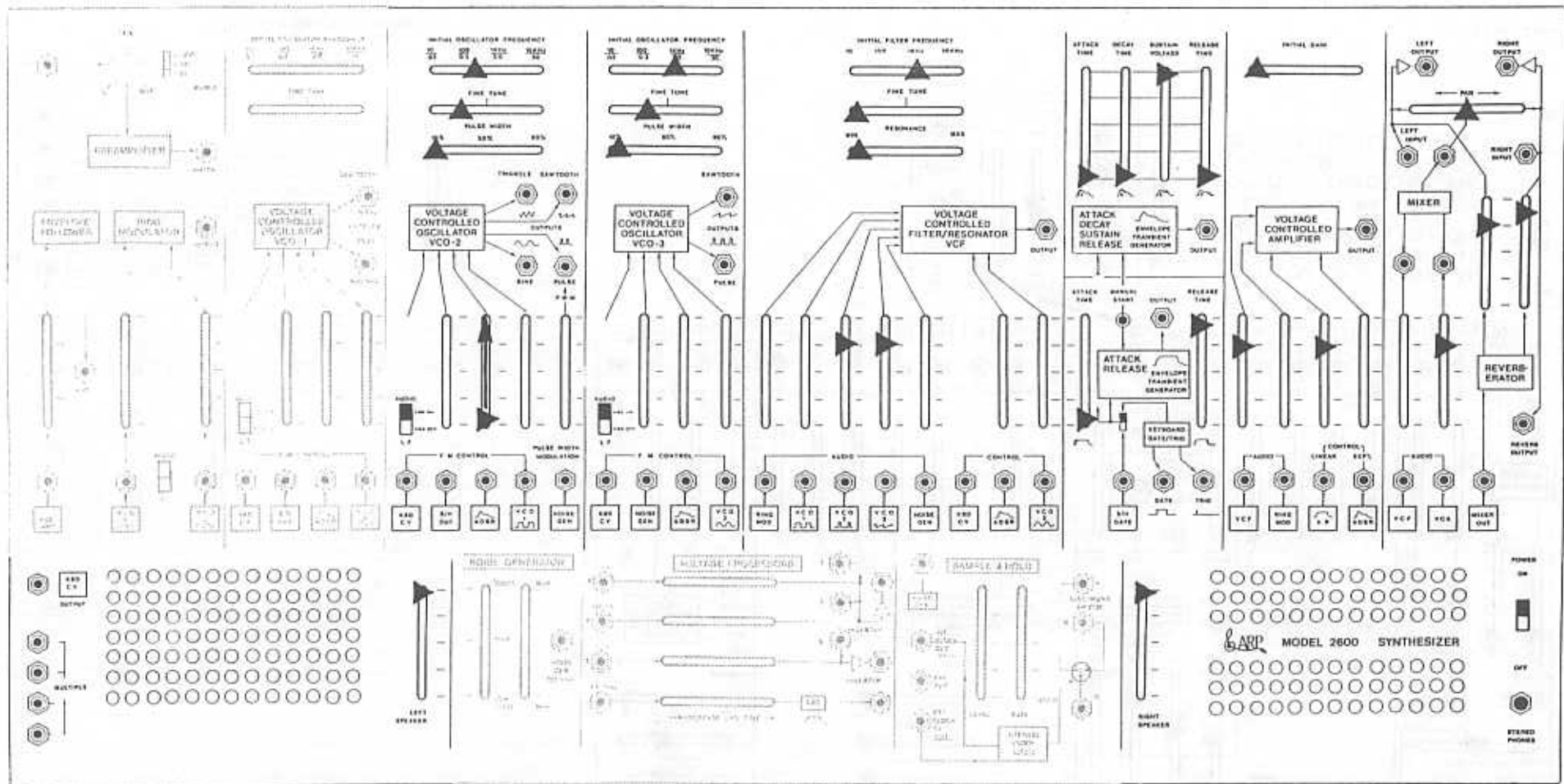
1. Close right speaker
2. Press Key C5 and adjust Inverter slider to get minimum volume in left speaker.
3. Open right speaker.
4. Adjust input sliders on Ring Modulator for balance while depressing Key C3.

4 PATCHCORDS

Keyboard-controlled Pan

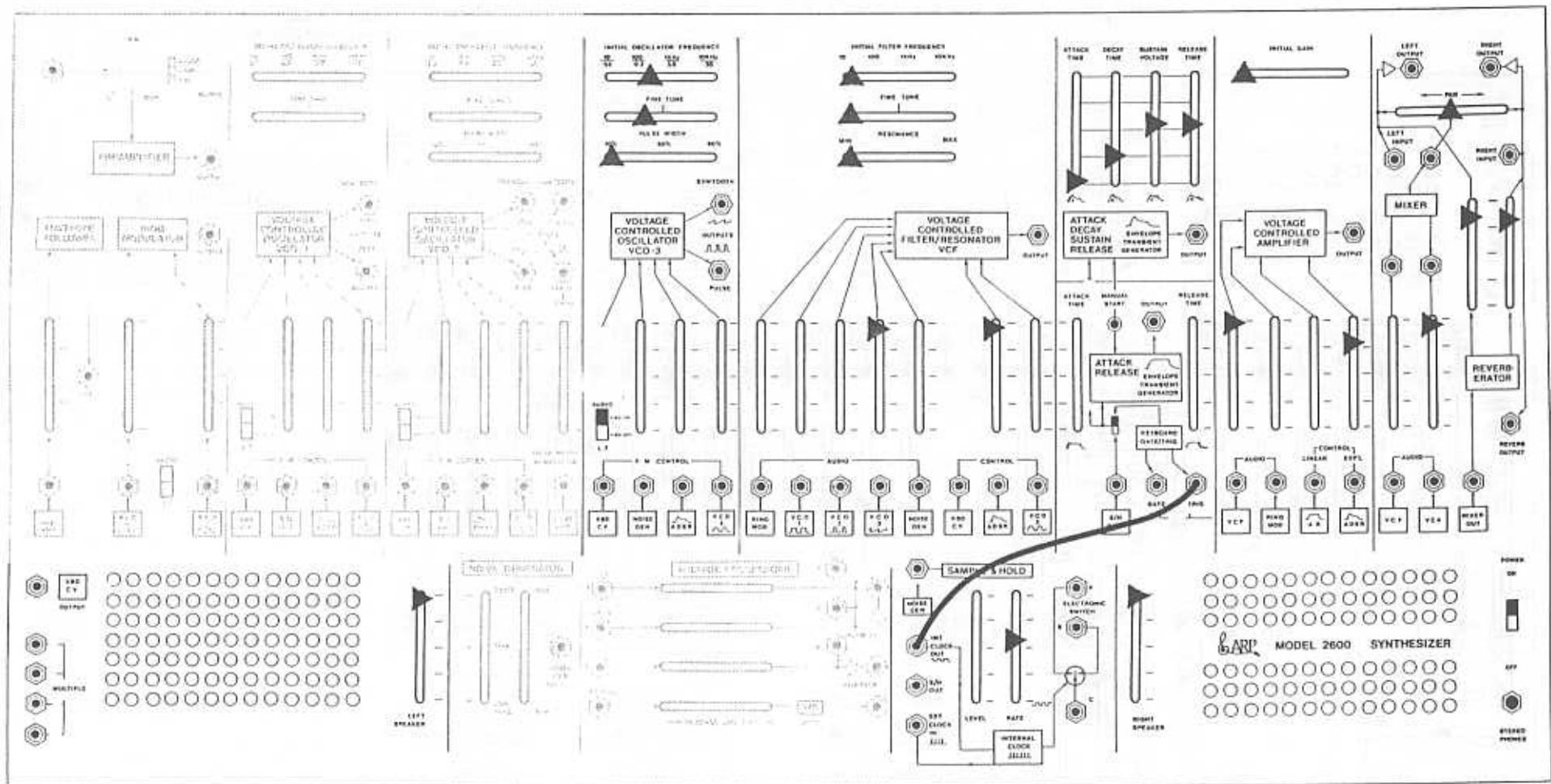
88.





1. Tune VCO 2 and 3 to desired interval.
2. Raise ADSR into VCO 2.
3. Play staccato.

Release-follow



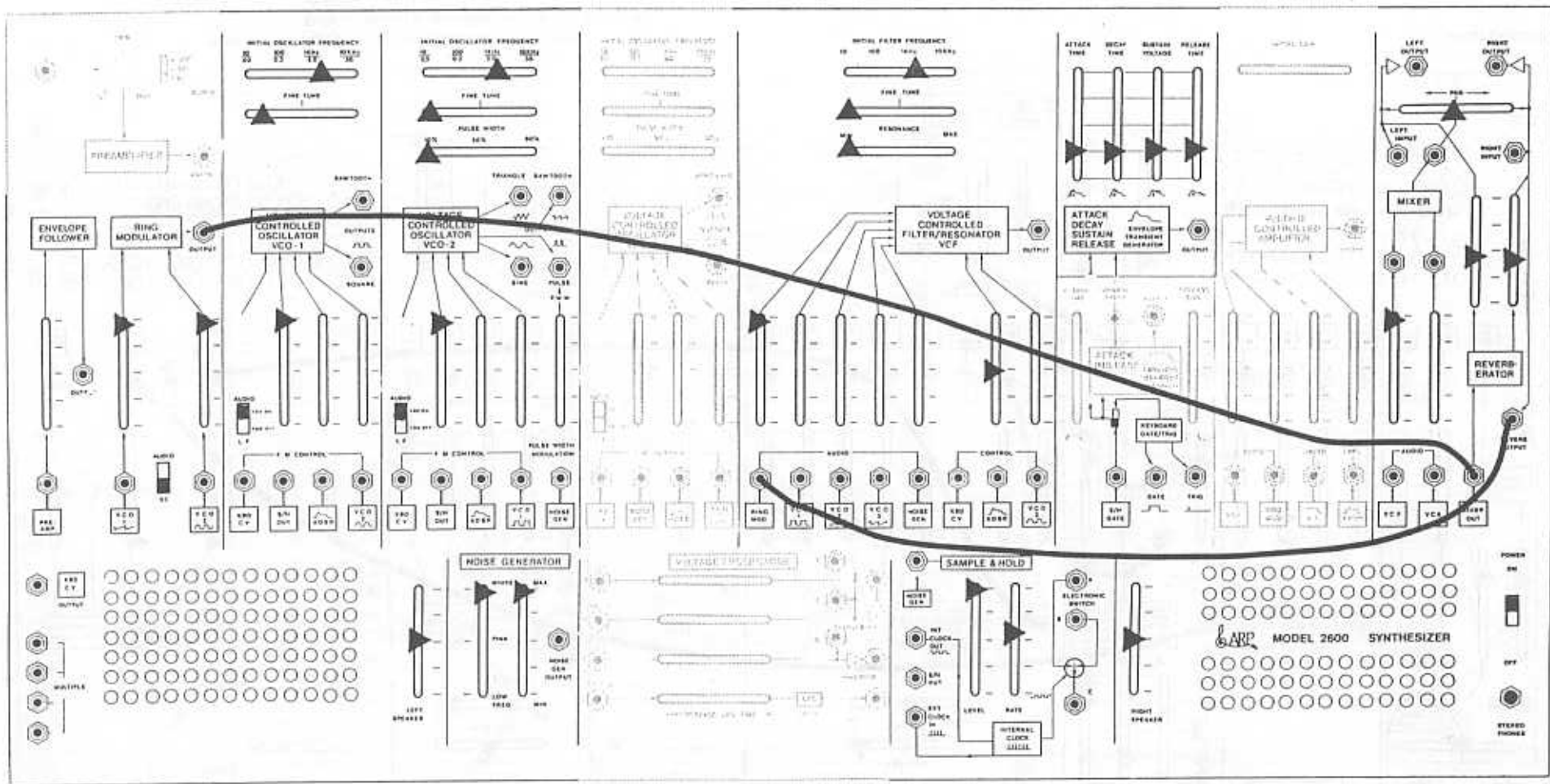
Adjust S/H Rate for repeat speed.

1 PATCHCORD

Touch-repeat

90.

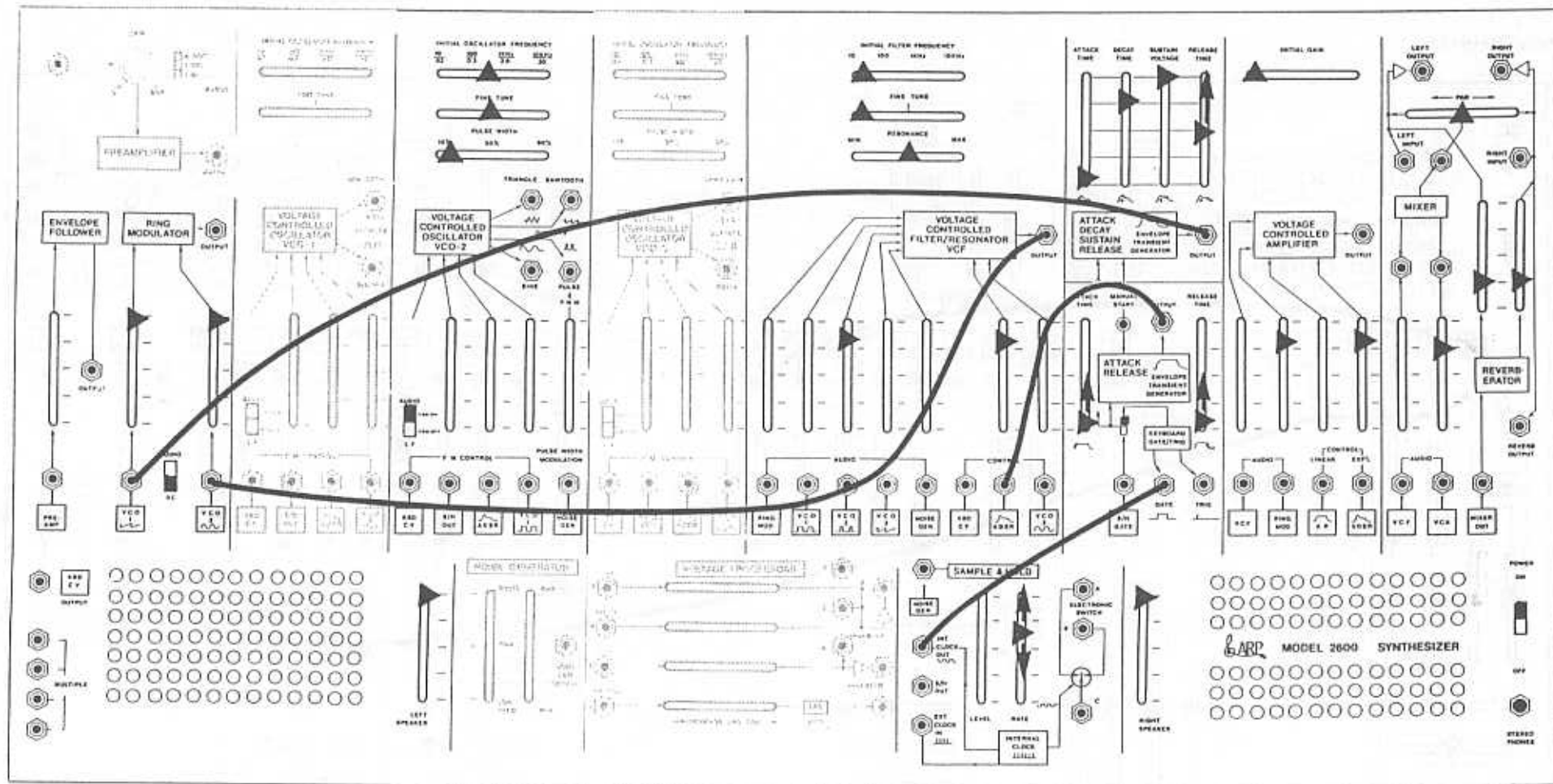




2 PATCHCORDS

S/H Echo

91.



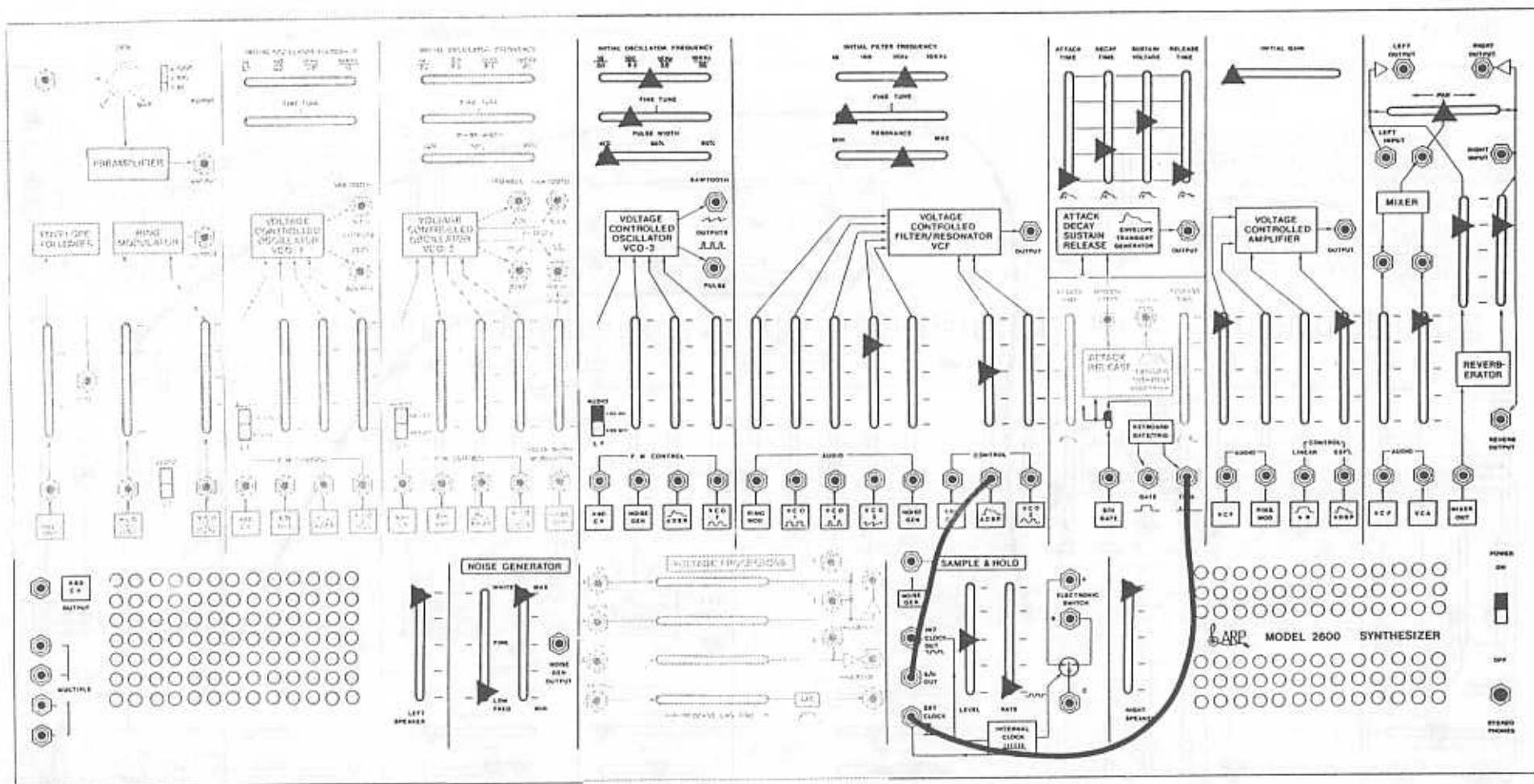
Note: ADSR release determines number of repeats.
 Echo is used on single notes only--AR is repeating envelope on fade-out.
 AR can be altered for repeated 'wow' effect.
 Adjust S/H Rate for repeat rate.

4 PATCHCORDS

Echoperplex

92.

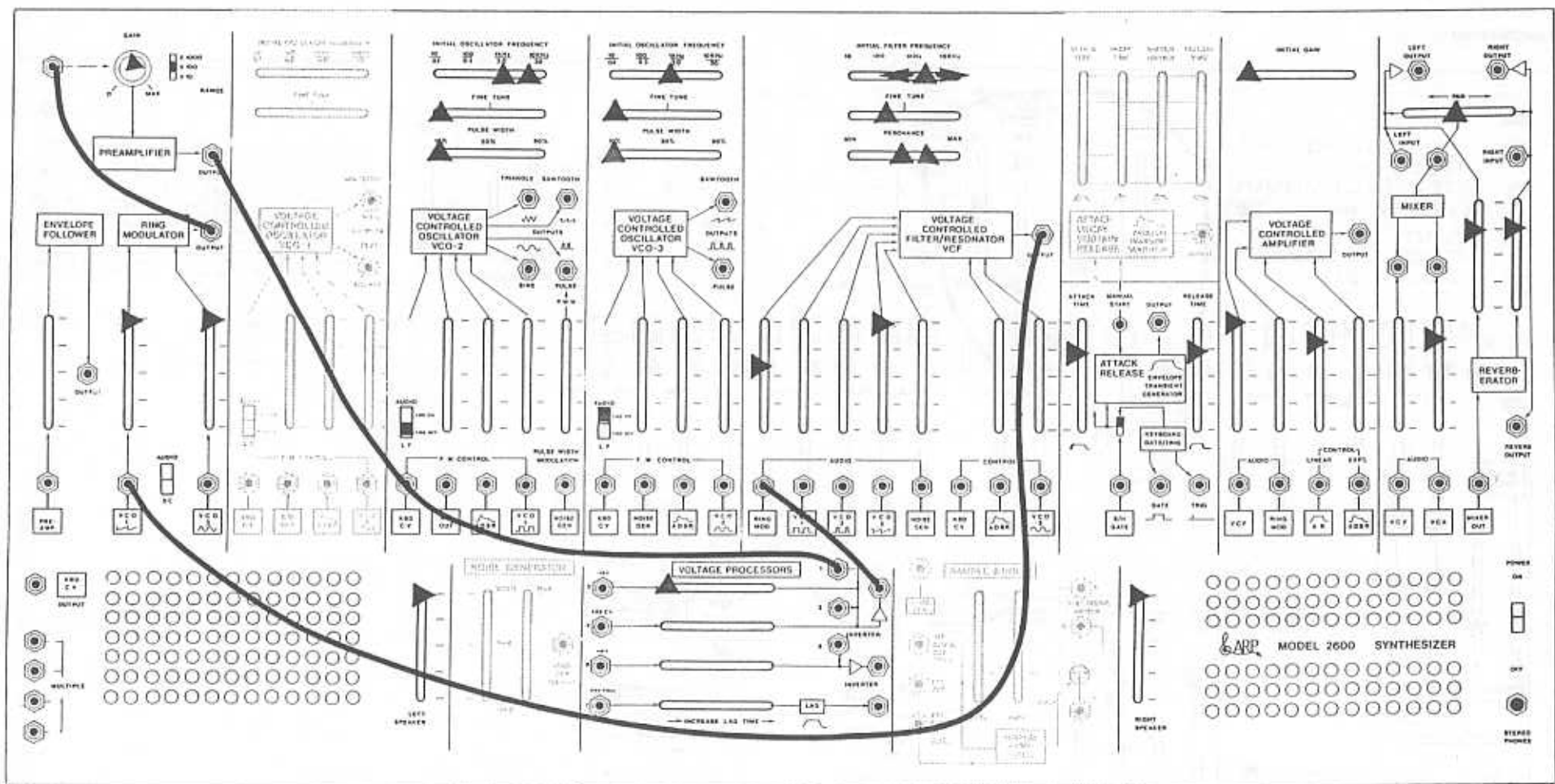




2 PATCHCORDS

Random Filter Sample:
Keyboard Triggered

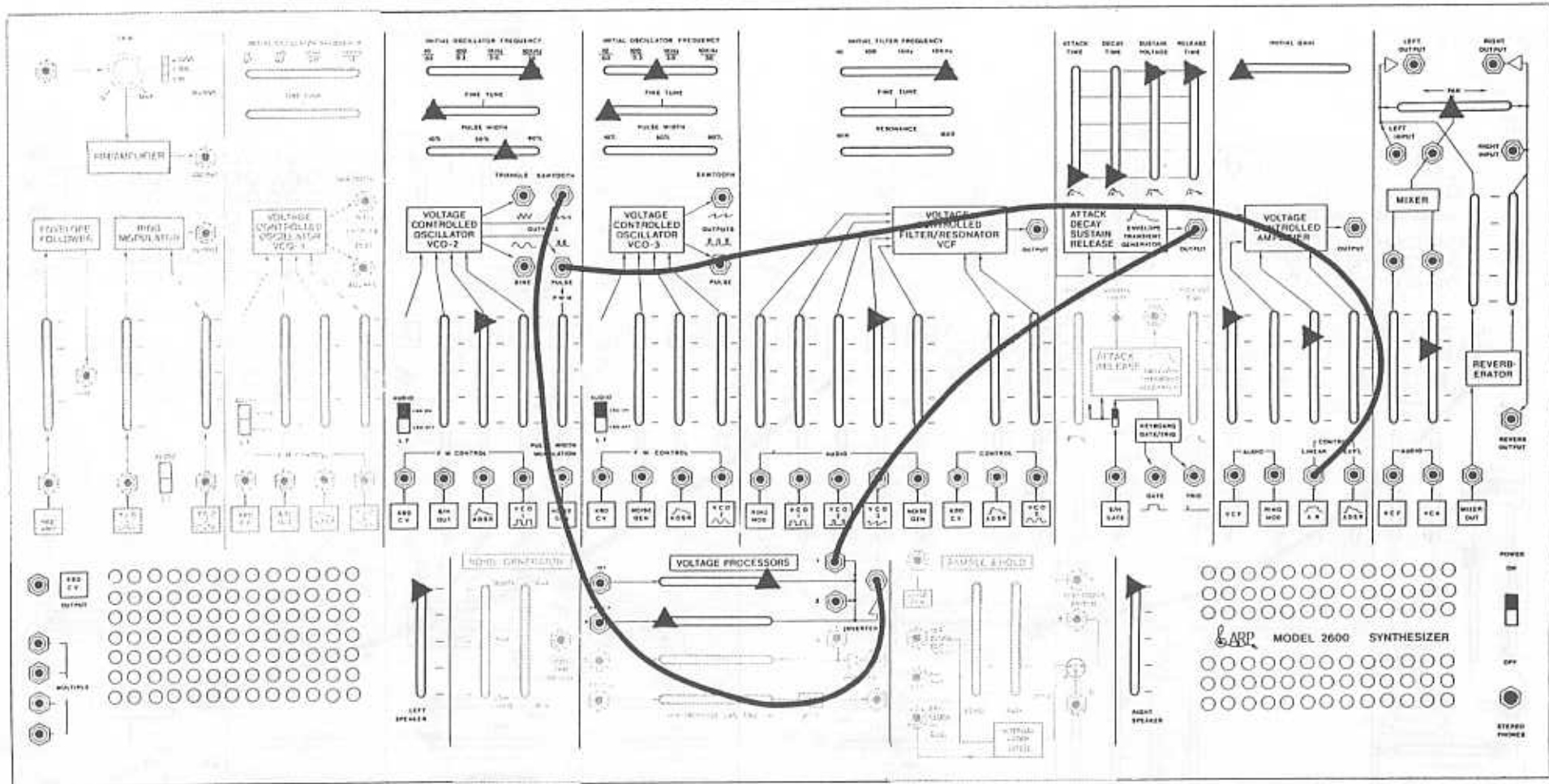
93.



Note: This patch will give you a basic pitch and a harmonic which fades in and out. Different harmonics may be selected by altering the VCF frequency.

4 PATCHCORDS

Voltage-controlled Resonance

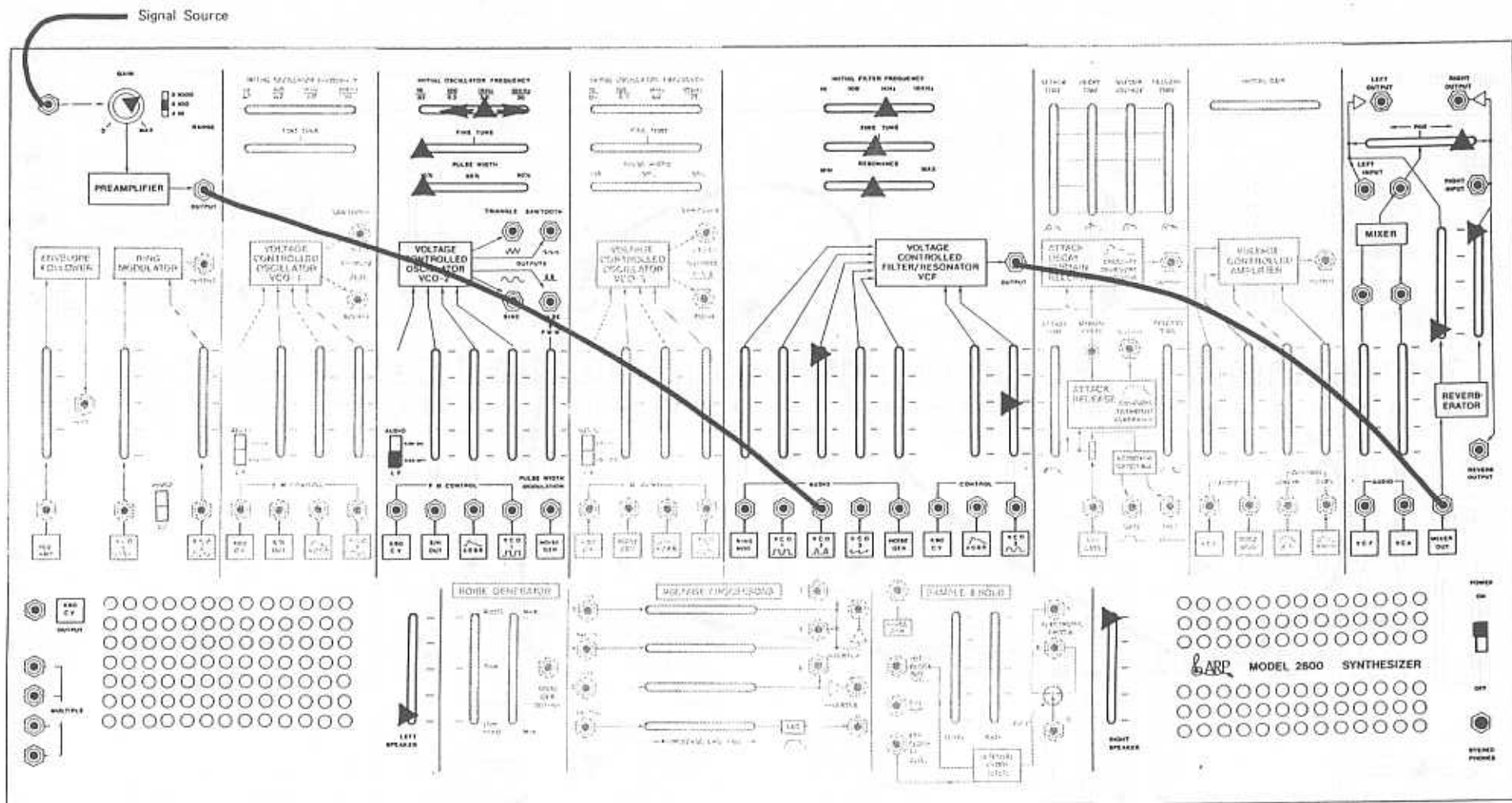


Adjust VCO 2 Pulse Width for envelope length.

3 PATCHCORDS

Voltage-controlled On-time

95.



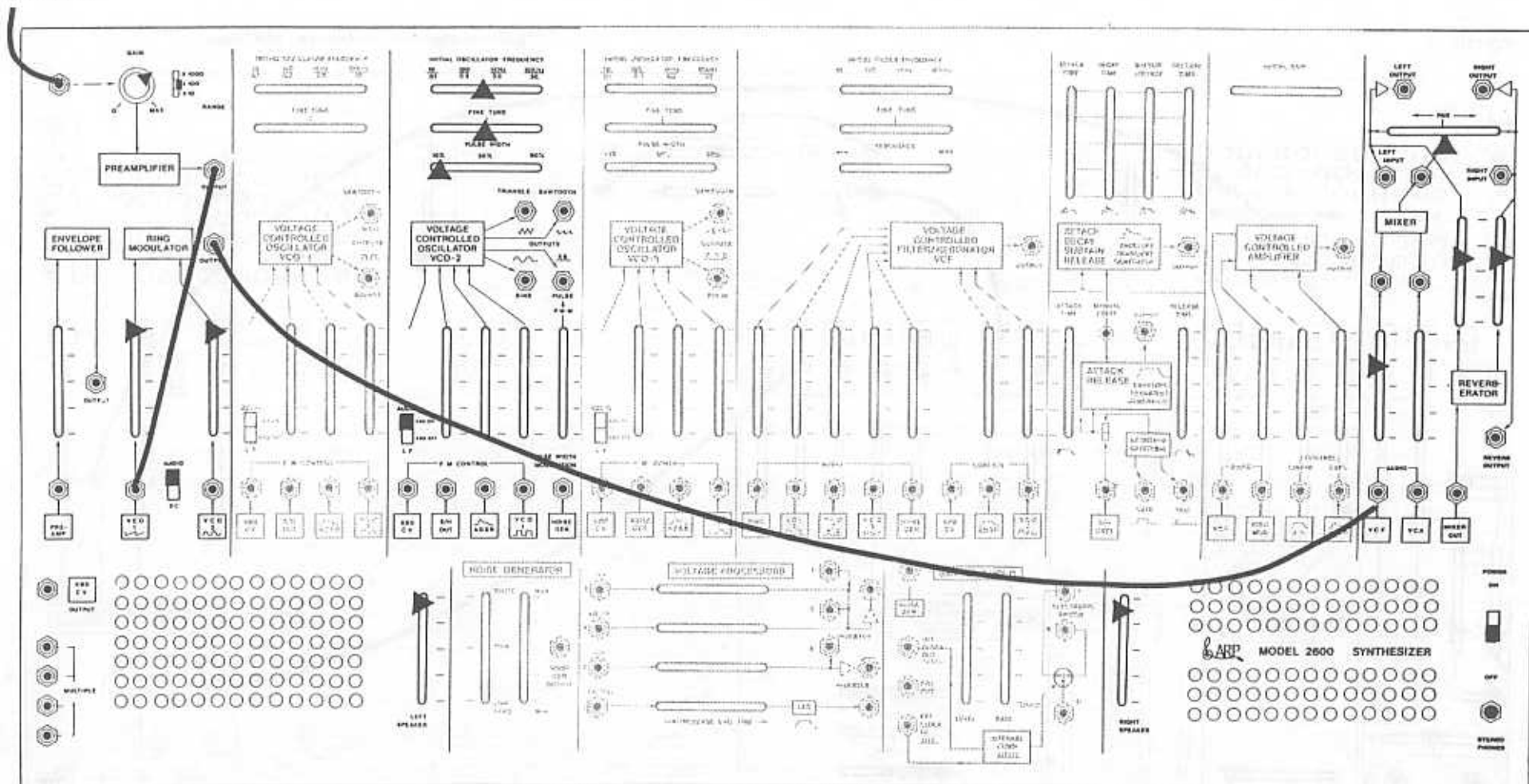
Adjust: VCO 2 \approx 1 into VCF for phase,
 VCO 2 frequency for phase-shifting speed.

2 PATCHCORDS

Ethereal Phase-shifting on External Source

96.

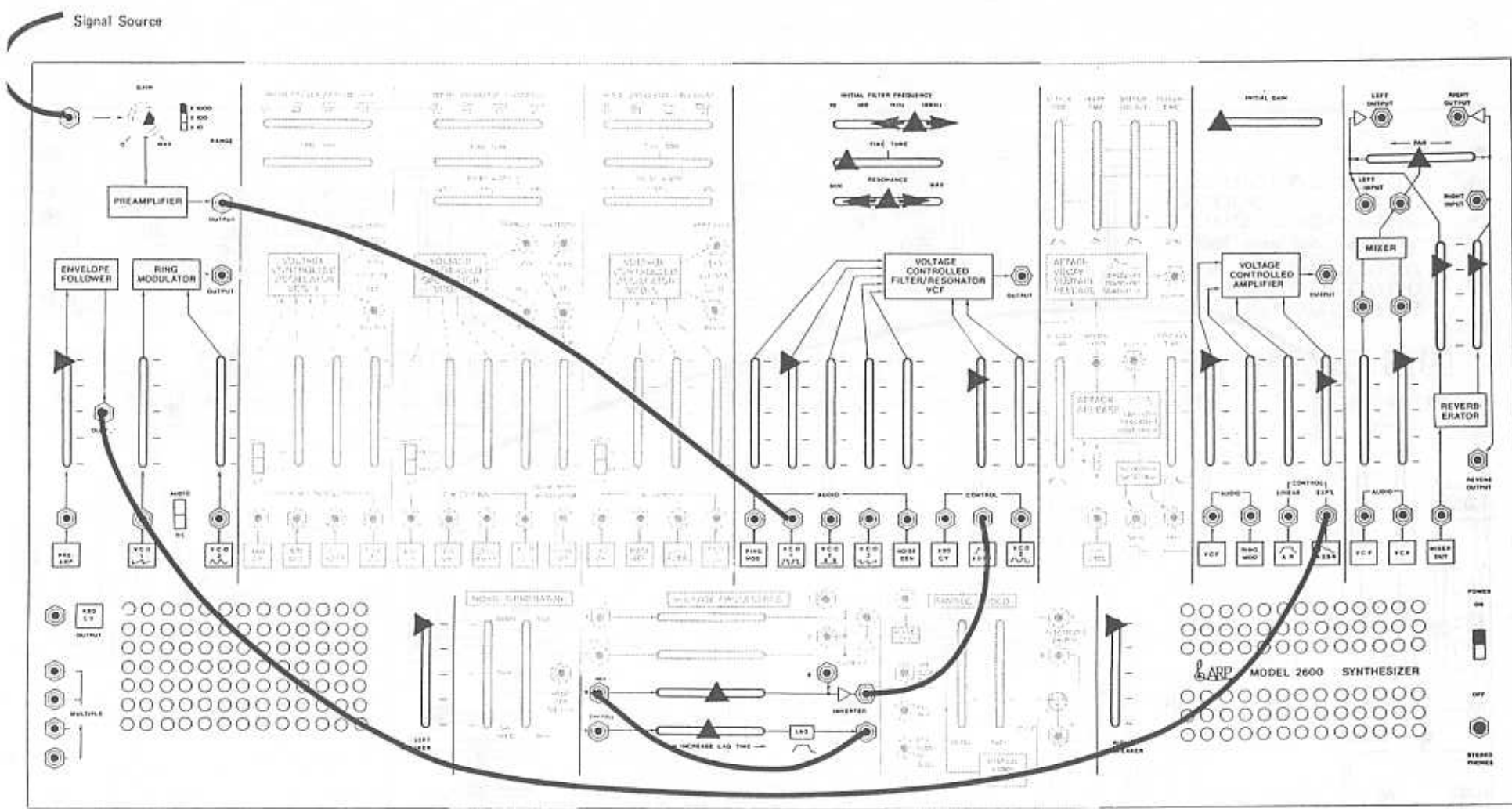
Signal Source



2 PATCHCORDS

Modulated External Source

97.

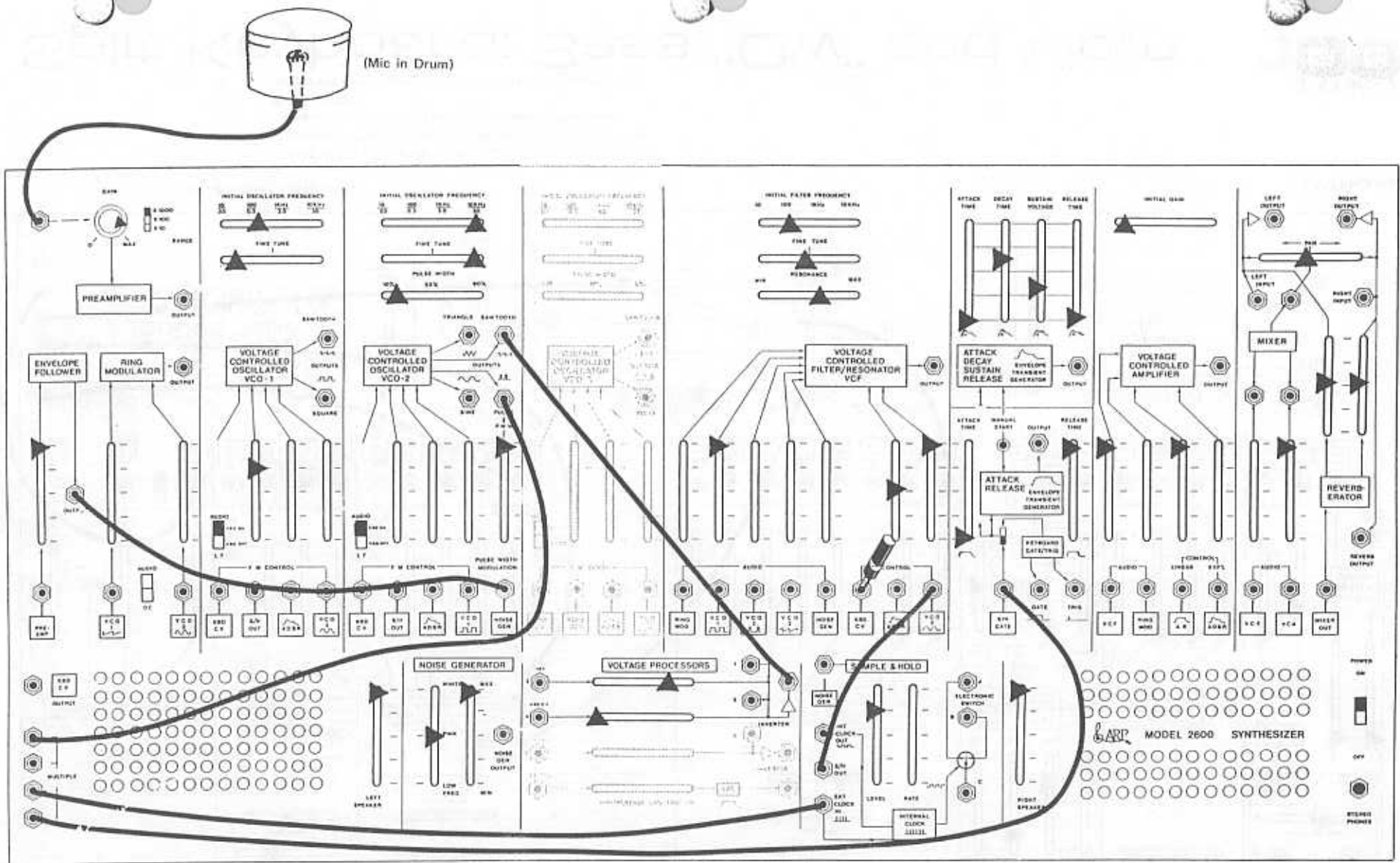


Adjust VCF frequency and Resonance as desired.

4 PATCHCORDS

"Ow" on External Source



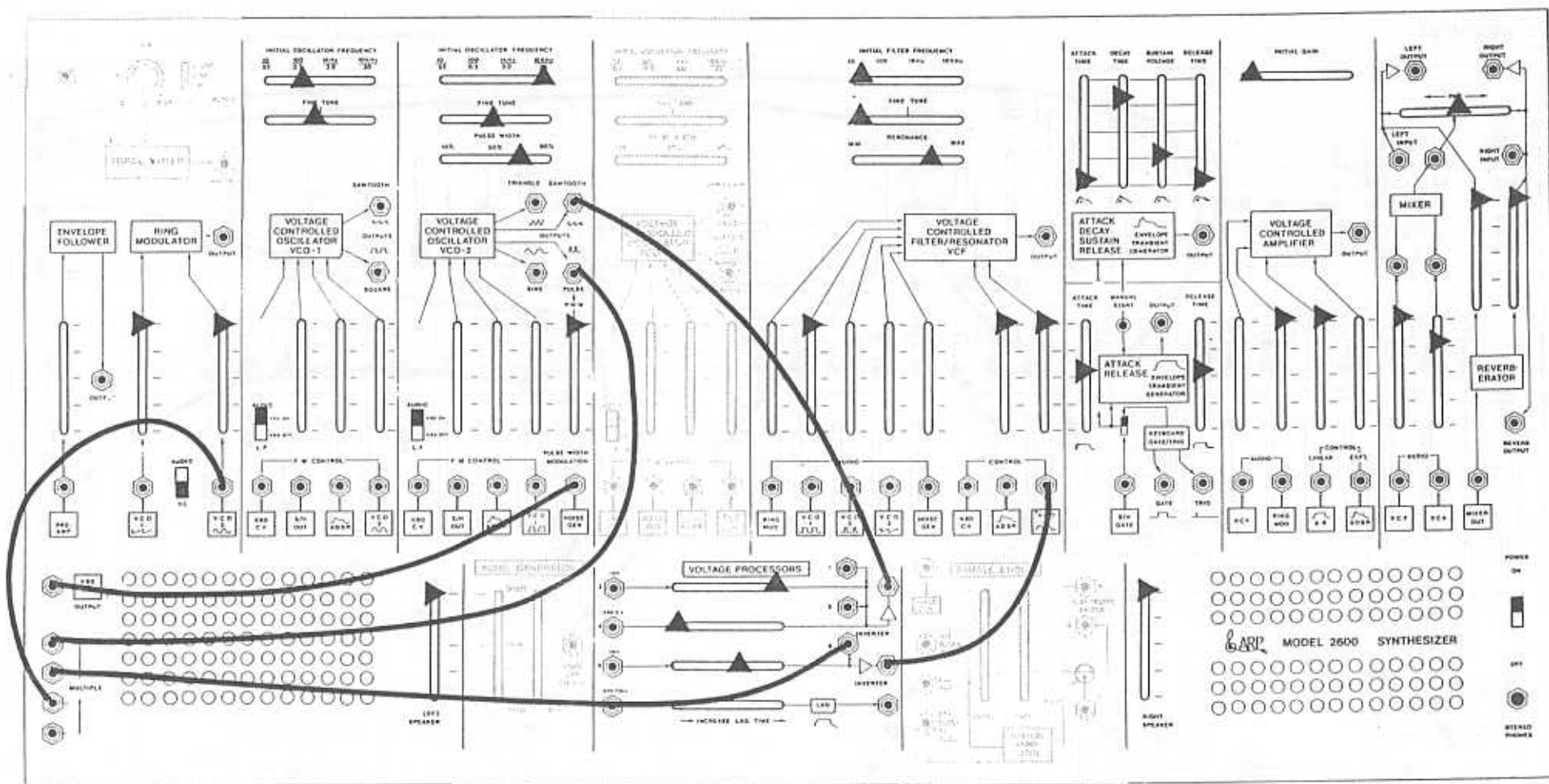
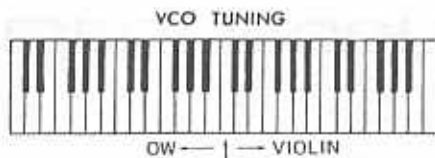


Adjust Preamp Gain for Gate sensitivity.

6 PATCHCORDS

Drum-controlled ADSR and S/H

99.



Split Keyboard Adjustments:

6 PATCHCORDS

1. Adjust VCO 2 Pulse Width while playing Keys C3 and Csharp3 alternately. You are fine tuning the placement of the split so that a violin will be heard on Csharp 3 and an 'Ow' will be heard on C3.
2. Adjust the +10V inverter slider for desired filtering on 'Ow'.

Split Keyboard: Bass "Ow" and Violin

100.