CLARIFIED SCHEMATICS

The diagrams on the yellow sheets in this section indicate the breakdown of the individual bands of the multi-wave band receivers specified in the corner cards and shown in the respective manufacturers' sections in the main part of this Manual. Those schematics for which breakdowns have been made bear a designation ( ) in the upper margin. The purpose of these breakdowns is to show how the components, that is the coils, condensers and switch contacts, are used when the receiver is set to different bands. In the majority of cases the circuits shown are the r-f and oscillator systems; however, in a few instances, a-f breakdowns are given.

The switch contacts which are associated with the various circuits, are represented as small circles, bearing either numerical or alphabetical designations corresponding to those designations shown upon the complete diagram contained in the respective manufacturers' sections in the main part of the Manual. The connections between the switch points are shown by dotted lines.

Each of the main diagrams, that is complete schematics, shows the wave-band switch in a certain position; usually this is the broadcast-band position. This same position is shown as the first position in the breakdown diagram unless the contrary is specified. Reference in the breakdown diagrams to the fact that the switch is shown as having been moved from one position, indicates the first position immediately following either the broadcast band, if that is the first shown, or whatever the band may be which is the first shown. Expressed differently this is, if the designation is "switch moved one position", this means that the wave-band switch has been turned one position from the reference point designated as "switch as shown".
When all switches associated with the movement turn in the same direction, this is specified as "clockwise" or "counter-clockwise" as the case may be.

You will note that corner cards on some of the "Clarified Schematic" breakdowns indicate several receivers. This means that the r-f and oscillator sections, as shown in the breakdown, apply to those receivers. However, this should not be construed as signifying that all these receivers are the same throughout. It simply means that the wave-band positions and associated circuits are the same for each model or chassis listed under the same "Clarified Schematic".

In some cases sections of the wave-band switch are used to short-circuit coils which are not in operation on the particular band shown in the schematic. In cases where inclusion of these shorted coils unnecessarily complicates the breakdown, they have been omitted, since they are not essential to the operation of the signal-carrying circuits.

In the case of audio-frequency circuit breakdowns, the designations shown upon the breakdown schematics correspond with the designations shown upon the complete schematics.

For your convenience the pin terminals for each tube represented in the breakdown diagrams have been numbered according to the RMA system.

You will note that in some cases the bands are identified in accordance with the frequency range covered. Then again in some instances these frequency ranges are omitted. The reason for the omission is that we were unable to identify the specific ranges covered by the various bands and it was felt that, since all receivers do not employ switch arrangements which increase the frequency range in exact sequence as the range switch is advanced, it was deemed advisable to speak simply in terms of the switch positions, rather than the frequency ranges. Of course, where the frequency range was known it has been identified.
ALLIED RADIO CORP. MODELS B-10572, B-10585, B-10586
See Allied Page 12-9

SWITCH AS SHOWN BROADCAST BAND

SWITCH MOVED 1 POSITION CLOCKWISE
1.7 TO 5.8 MC BAND

SWITCH MOVED 2 POSITIONS CLOCKWISE
5.7 TO 18.3 MC BAND

©John F. Rider, Publisher
ALLIED RADIO CORP.  
MODEL E-10880  
See Allied Page 12-27  

SWITCH AS SHOWN

SWITCH MOVED 1 POSITION

SWITCH MOVED 2 POSITIONS

©John F. Rider, Publisher
BELMONT RADIO CORP.  
MODEL 509  
See Belmont Page 12-41

"CLARIFIED SCHEMATICS"  

SWITCH AS SHOWN

SWITCH MOVED 1 POSITION CLOCKWISE

SWITCH MOVED 2 POSITIONS CLOCKWISE

©John F. Rider, Publisher
MODEL 509
See Belmont Page 12-41

SWITCH MOVED
3 POSITIONS COUNTERCLOCKWISE

SWITCH MOVED
4 POSITIONS COUNTERCLOCKWISE

©John F. Rider, Publisher
MODEL 800
See Belmont Page 12-31
MODEL 801
See Belmont Page 12-34

MODEL 902
See Belmont Page 12-38

BELMONT RADIO CORP.
MODEL 1100 Series A
BELMONT RADIO CORP.

See Belmont Page 12-39

9 MC BAND

12 MC BAND

15 MC BAND

©John F. Rider, Publisher
SWITCH AS SHOWN

SWITCH MOVED 1 POSITION CLOCKWISE

SWITCH MOVED 2 POSITIONS CLOCKWISE
MODEL B11 CONTINENTAL RADIO & TELEV. CORP. MODEL All, All-ph
See Continental Page 12-19

SWITCH MOVED 3 POSITIONS CLOCKWISE

SWITCH MOVED 4 POSITIONS CLOCKWISE

SWITCH MOVED 5 POSITIONS CLOCKWISE

©John F. Rider, Publisher
MODEL 26
MODEL 26 Revised
See Crosley Page 12-21

CROSLEY CORP.

S.W. BAND

TERMINALS FOR LOOP

©John F. Rider, Publisher

www.americanradiohistory.com
EMERSON RADIO & PHONOGRAPH CORP.

MODELS
DV-364, DZ-371
See Emerson Page 12-17

POSITION I
PHONO TO PICKUP CIRCUIT

6SQ7GT

R28
R5

C13

SW "A"
1
3

SW "B"
2
3

POSITION III
RADIO RECORDING

6SA7GT

C29

SW "C"
1

POSITION V
PUBLIC ADDRESS

6SA7GT

R25

C13

R28
R5

C12

6SQ7GT

C29

C12

6E5

TO VOICE COIL

R18

TO CONTROL VOLTAGE

6E5

TO VOICE COIL

R18

TO CONTROL VOLTAGE (RECTIFIED A-F)

POSITION VI
RADIO & MICROPHONE RECORDING

6SA7GT

C29

R18

TO MICROPHONE

6E5

TO CONTROL VOLTAGE

C29

TO VOICE COIL

TO CUTTER COIL

© John F. Rider, Publisher
See Firestone Page 12-19, 20
SWITCH AS SHOWN

SWITCH MOVED 1 POSITION CLOCKWISE

SWITCH MOVED 2 POSITIONS CLOCKWISE
MODEL C1100
See Gamble Page 12-23

GAMBLE-SKOGMO, INC.

MODEL C800
See Gamble Page 12-17
MODEL C901
See Gamble Page 12-19

B.C. BAND

6 MC BAND

9 MC BAND
MODEL J-71

MODELS J-718 AND J-728

BAND A
PUSH BUTTON OPERATION

BAND B
MODEL J-71
MODELS J-718 AND J-728
(CONTINUED)

BAND C

BAND D

©John F. Rider, Publisher
CLARIFIED SCHEMATICS

GENERAL ELECTRIC CO.

MODELS HE-100, HE-100H, HE-105
See G.E. Page 12-47
MODELS J-808, J-818, J-828
GENERAL ELECTRIC CO. MODEL J-105, Golden Tone
See G.E. Page 12-83
MODEL J-809
See G.E. Page 12-87
MODELS FE-112, FE-116, FE-119
GENERAL ELECTRIC CO.
See G.E. Page 12-57

BAND D1
INSIDE CONTACTS TURNED 1 POSITION CLOCKWISE

BAND D2
SWITCH SETTING SHOWN ON SCHEMATIC

© John F. Rider, Publisher
MODEL J-805

P. B. RANGE

BAND B

©John F. Rider, Publisher
MODEL J-805 (CONTINUED)

BAND C

BAND D
SWITCH AS SHOWN

SWITCH MOVED
ONE POSITION
CLOCKWISE

SWITCH MOVED
2 POSITIONS
CLOCKWISE
MODEL R459
See Goodrich Page 12-25

PACTE
GOODRICH

"CLARIFIED SCHEMATICS"

B. F. GOODRICH

SWITCH MOVED
3 POSITIONS
CLOCKWISE

SWITCH MOVED
4 POSITIONS
CLOCKWISE

PUSH BUTTON
OPERATION
SWITCH MOVED 5 POSITIONS
CLOCKWISE

©John F. Rider, Publisher
THE MAGNAVOX CO. INC. CHASSIS CR-154
See Magnavox Page 12-7, 8
CHASSIS CR-155
See Magnavox Page 12-9, 10

©John F. Rider, Publisher
MONTGOMERY WARD & CO.

MODELS 04WG-728, 04WG-732
See Mont.-Ward
Page 12-43

BAND B

BAND C

BAND D

©John F. Rider, Publisher
MODEL 04BR-1106A
See Mont.-Ward Page 12-51
MODEL 04BR-1105A
See Mont.-Ward Page 12-52
MODELS 04BR-904A, 04BR-906A
See Mont.-Ward Page 12-50
MODELS 04BR-903A, 04BR-907A
See Mont.-Ward Page 12-47
SWITCH AS SHOWN
PUSH BUTTON OPERATION

BROADCAST BAND

©John F. Rider, Publisher
PUSH BUTTON BAND

BROADCAST BAND

© John F. Rider, Publisher
PUSH BUTTON OPERATION

BROADCAST BAND
MODEL 41-316

PHILCO RADIO & TELEV. CORP.

See Philco Page 12-67, 68

©John F. Rider, Publisher
TO OUTDOOR ANTENNA

2 TO 7 MC BAND

9 TO 12 MC BAND
PHILCO RADIO & TELEV. CORP.

MODELS 41.616P,
41.616PW

See Philco
Page 12-79, 80

TO LOOP

TO OUTDOOR ANTENNA

BAND
2.3–7 MC

TO LOOP

TO OUTDOOR ANTENNA

BAND
9–12 MC

TO LOOP

TO OUTDOOR ANTENNA

BAND
13.5–18 MC

©John F. Rider, Publisher
PHILCO RADIO & TELEV. CORP. MODEL 41-629
See Philco Page 12-85

©John F. Rider, Publisher
MODEL Q24
See RCA Page 12-33

MODELS QU2C, QU2M
See RCA Page 12-5
MODELS Q22, QK23, Q25
See RCA Page 12-31

©John F. Rider, Publisher
MODELS QU2C, QU2M
See RCA Page 12-5
MODELS Q22, QX23, Q25
See RCA Page 12-31

©John F. Rider, Publisher

www.americanradiohistory.com
MODELS QU3C, QU3M, Q26
See RCA Page 12-93

MODEL QU5
See RCA Page 12-9

©John F. Rider, Publisher
MODELS QU3C, QU3M, Q26
See RCA Page 12-93
MODEL QU5
See RCA Page 12-9

©John F. Rider, Publisher
MODEL 111K
See RCA Page 12-45

RCA MFG. CO., INC.

"CLARIFIED SCHEMATICS"

©John F. Rider, Publisher

www.americanradiohistory.com
“CLARIFIED SCHEMATICS”

RCA MFG. CO., INC.

MODELS V205, V405
See RCA Page 12-61

RCA PAGE 12-11

©John F. Rider, Publisher
CLARIFIED SCHEMATICS

RCA MFG. CO., INC.

MODELS VHR-207, VHR-407
See RCA Page 12-55

©John F. Rider, Publisher
MODELS V-300, V-301, V-302
See RCA Page 12-63

PB BAND

BAND A

BAND B

©John F. Rider, Publisher
MODELS V-300, V-301, V-302

RCA MFG. CO., INC.

See RCA Page 12-63
CLARIFIED SCHEMATICS

SEARS PAGE 12-1

SEARS ROEBUCK & CO.

MODEL 1591

See Sears Page 12-17

PUSH BUTTON OPERATION
SWITCH AS SHOWN

SWITCH MOVED 1 POSITION
COUNTERCLOCKWISE

SWITCH MOVED 2 POSITIONS
COUNTERCLOCKWISE

©John F. Rider, Publisher
SENTINEL RADIO CORP. MODELS 207-U, 207-UE
See Sentinel Page 12-9, 10
See Stewart-Warner Page 12-1, 2
"CLARIFIED SCHEMATICS" STEW.-WARN. PAGE 12-3

STEWART-WARNER CORP. MODELS 11-6F1 to 11-6F9,
11-6F1Z to 11-6F9Z
See Stewart-Warnor Page 12-23

SWITCH AS SHOWN

SWITCH MOVED 1 POSITION CLOCKWISE

SWITCH MOVED 2 POSITIONS CLOCKWISE

©John F. Rider, Publisher

www.americanradiohistory.com
CLARIFIED SCHEMATICS

WELLS-GARDNER & CO. MODEL 6A43
See Wells-Gardner Page 12-1
MODEL 7A41 (574X)
See Wells-Gardner Page 12-10

WELLS-GARDNER & CO. MODEL 6A43
See Wells-Gardner Page 12-1
MODEL 7A41 (704)
See Wells-Gardner Page 12-9

©John F. Rider, Publisher
WESTERN AUTO SUPPLY CO.

MODEL D1042
See Truetone
Page 12-17, 18

©John F. Rider, Publisher
SWITCH AS SHOWN

SWITCH MOVED

1 POSITION CLOCKWISE

©John F. Rider, Publisher
MODELS 7S-529, 7S-530, 7S-547, 7S-557, 7S-558, 7S-559
See Zenith Page 12-15
"CLARIFIED SCHEMATICS"  
ZENITH RADIO CORP.  
MODELS 105-531, 105-549, 105-566, 105-589, 105-590  
See Zenith Page 12-23  

©John F. Rider, Publisher
MODÈLS 10S-531, 10S-549, 10S-566, 10S-589, 10S-590

See Zenith Page 12-23
SWITCH AS SHOWN
POLICE BAND

SWITCH MOVED
1 POSITION
CLOCKWISE
SHORT WAVE BAND

©John F. Rider, Publisher
MODELS 12S-550Z, 12S-568E, ZENITH RADIO CORP.
12S-568Z, 12S-569E,
12S-569Z, 12S-595Z
See Zenith Page 12-25

BROADCAST BAND

PUSH BUTTON OPERATION
PUSH BUTTON BROADCAST BAND

SWITCH MOVED 2 POSITIONS CLOCKWISE

POLICE BAND SWITCH AS SHOWN

©John F. Rider, Publisher
MODELS 10H551, 10H571
See Zenith Page 12-22

PUSH BUTTON OPERATION
F.M. BAND

SHORT WAVE BAND