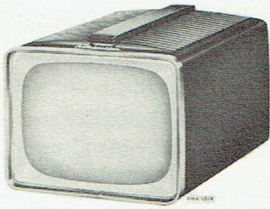
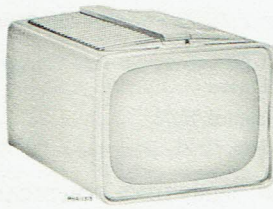




B. E. Nicholson
RCA VICTOR



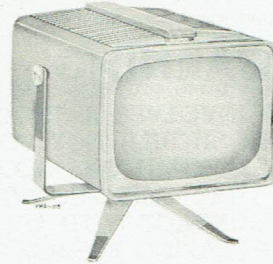
The "PERSONAL"
Models
8-PT-7010—Red
8-PT-7012—Black



The "PERSONAL"
Models
8-PT-7011—Gray
8-PT-7014—Ivory



The "PERSONAL"
Models
8-PT-7030 & T—Red
8-PT-7032 & T—Black



The "PERSONAL"
Models
8-PT-7031 & T—Gray
8-PT-7034 & T—Ivory

PERSONAL TELEVISION RECEIVERS — MODELS 8-PT-7010, 8-PT-7011, 8-PT-7012, 8-PT-7014, 8-PT-7030(T), 8-PT-7031(T), 8-PT-7032(T), 8-PT-7034(T)

Chassis No. KCS100B, KCS100D or KCS100K
— Mfr. No. 274 —

SERVICE DATA — 1956 No. T2 —

PREPARED BY COMMERCIAL SERVICE
RCA SERVICE CO., INC.
CAMDEN 8, N. J.

FOR
RADIO CORPORATION OF AMERICA
RCA VICTOR TELEVISION DIVISION

GENERAL DESCRIPTION

All models are "Personal" VHF television receivers. Models 8-PT-7030, 7031, 7032 & 7034 include an adjustable stand for viewing at the most desirable angle which may be removed for greater portability. Because of its compact size and light weight the receiver may be readily moved to any location.

These receivers are designed for reception of all 12 VHF channels. Models 8-PT-7030, 7031, 7032 & 7034 have an adjustable-rod-type antenna attached to the receiver cabinet for use in most locations. Connections are provided for use of an external antenna in areas where conditions require its use.

The receivers although extremely compact in size, are

adapted for ease in servicing. The chassis assembly is readily removed from the case and provision is made for separation of the front and rear chassis sections with the receiver still in operation. This feature permits ready accessibility to all components for service purposes.

The chassis incorporates an intercarrier FM sound system which includes a reflex sound circuit whereby the sound I-F stage also acts as the 1st. audio amplifier. A ratio detector; A-F-C horizontal hold; stabilized vertical hold, high gain picture circuits and reduced hazard high voltage supply are additional quality performance features.

ELECTRICAL AND MECHANICAL SPECIFICATIONS

PICTURE SIZE.....Approx. 36 sq. in. on an 8DP4 Kinescope
TELEVISION R-F FREQUENCY RANGE
All 12 VHF channels, 54 mc. to 88 mc., 174 mc. to 216 mc.
INTERMEDIATE FREQUENCIES
Picture I-F Carrier Frequency.....45.75 mc.
Sound I-F Carrier Frequency.....41.25 mc.
POWER INPUT.....115 Volts AC, 60~
POWER RATING.....90 watts
AUDIO POWER OUTPUT RATING.....0.5 watts max.
.....0.15 watts undistorted
VIDEO RESPONSE.....To 2.1 mc.
ANTENNA INPUT IMPEDANCE.....300 ohms balanced

RCA TUBE COMPLEMENT

Tube Used	Function
Tuners KRK55A, KRK55B & KRK55C	
(1) RCA 6U8	R-F Amplifier & 1st I-F Amplifier
(2) RCA 6U8	R-F Oscillator and Mixer

RCA TUBE COMPLEMENT

Tube Used	Function
Main Chassis KCS100B, KCS100D & KCS100K	
(1) RCA 6U8	2nd Picture I-F Amp. & Sync. Output
(2) RCA 6AW8	Video Amplifier & 1st Sync. Amp.
(3) RCA 6U8	Sound I-F Amp., Audio Amp. & Audio Output
(4) RCA 6CM7	Vert. Osc. & Out. (KCS100D) (KCS100K)
RCA 6CG7	Vert. Osc. & Output (KCS100B)
(5) RCA 6CG7	Horizontal Sweep Oscillator and Control
(6) RCA 6BQ6GTB	Horizontal Sweep Output
(7) RCA 1V2	High Voltage Rectifier
(8) RCA 6AX4GTA	Damper
(9) RCA 8DP4	Kinescope

A K604 crystal rectifier is used for the picture second detector.

Two 1N367 crystals are used for the ratio detector and another 1N367 is used as a sound I-F limiter.

A selenium rectifier is used for low voltage rectification.

SECOND EDITION—FIRST PRINTING—10-12-56—SUPERSEDES ALL 1ST EDITION PRINTINGS