

1931 - 32

705 and 707 Chassis

"CAROL"

and

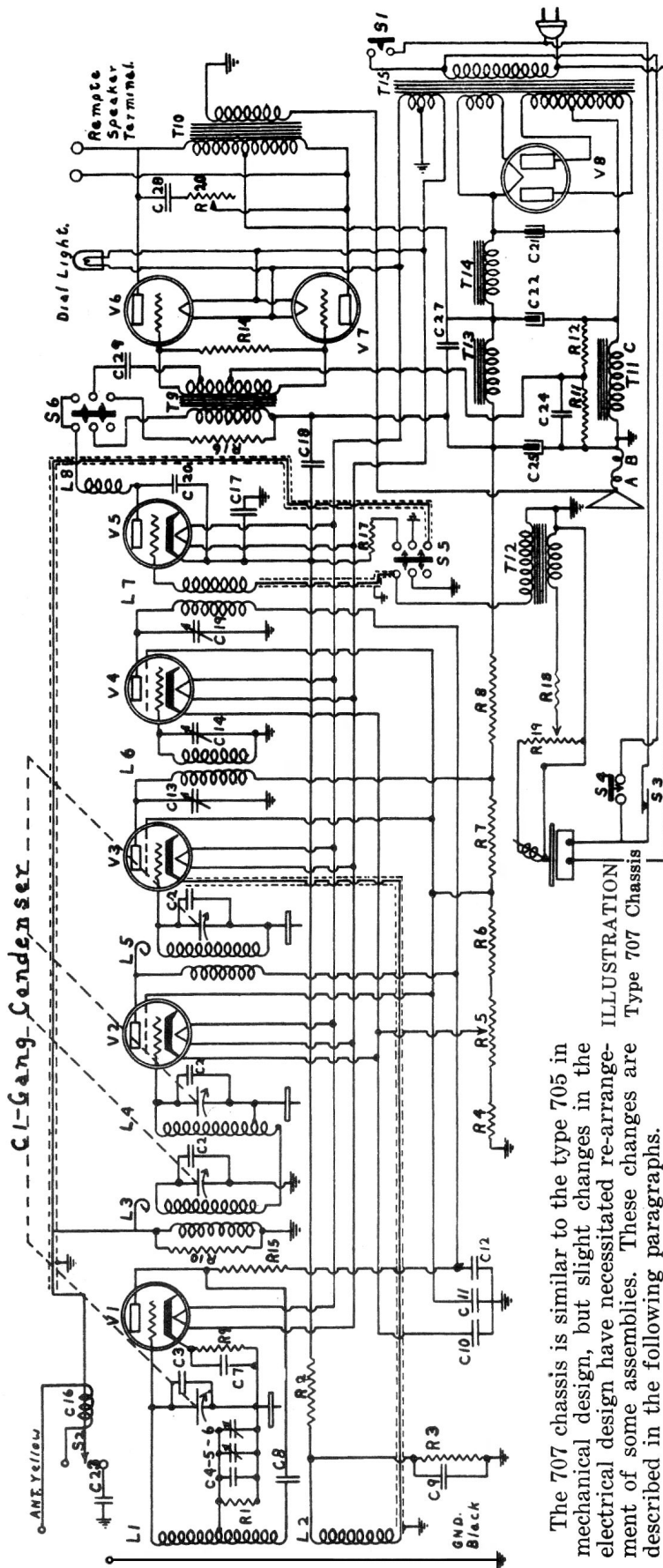
"MUSICALE"

Printed in Canada.

DATA SHEET.

Courtesy De Forest Crosley Limited.

DE FOREST CROSLEY-15

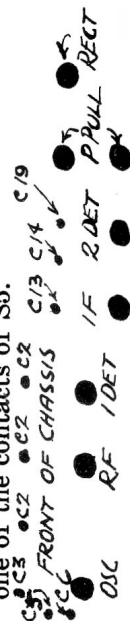


The 707 chassis is similar to the type 705 in mechanical design, but slight changes in the electrical design have necessitated re-arrangement of some assemblies. These changes are described in the following paragraphs.

AUDIO SYSTEM Ganged switches S4, S5, and S6 serve to adapt the audio system for record reproduction. Due to the use of a grid resistance between the two 245 grids, it was found advisable to place the tone control in the plate circuit of these tubes instead of in the grid circuit as in the 705 chassis.

On phonograph operation, the pickup is connected into the grid circuit of the second detector tube V5 while the normal plate circuit of this tube through the primary of the audio transformer is opened. The secondary of this transformer now functions as an auto transformer.

Elimination of any amplification of R.F. signal is obtained by grounding the antenna by one of the contacts of S5.



I.F. 175 Kc.

Alignment Inst. same as Mod. 905. Data Sheet 16.

ILLUSTRATION
Type 707 Chassis

On a few receivers of the first release the oscillator plate circuit is opened instead. A different type of gang switch is used in these receivers.

Additional filtering has also been provided by twin filter chokes T13 and T14 in addition to an added eight mfd. Merphon condenser C25.

The additional merphon condenser will be readily seen to be mounted between the oscillator and first R.F. tube sockets, while the additional filter choke is enclosed in the same assembly replacing the single choke on the 705 chassis.

POSITION	PLATE V	GRID V	SCREEN V	PLATE MA.
OSC	105	7.5		2.2
RF	180	2.8	85	3
1 DET	"	7	"	.9
IF	"	2.8	"	2.25
2 DET	200	2.1		1.25
DWR	250	20*		30

* ACTUALLY 50.

C4	.0005	R1	25000 Ω
C5	.00038	R2	30000 "
C7	.05	R3	6600 "
C8	.0001	R4	140 "
C10	.25	R5	725 "
C11	.03	R6	6225 "
C15	.00025	R7	6500 "
C16	.00003	R8	2200 "
C17	1	R9	5000 "
C18	.12	R10	7000 "
C20	.002	R11	1 MEG
C21	.002	R12	400000 "
C23	.001	R13	6 MEG
C24	.5	R14	3.5 "
C25	8	R15	30000 "
C27	.5	R16	26000 Ω
C28	.12	R17	2000 "
C29	.1	R18	31 "
		R19	80 Ω
		R20	45000 "