MODIFICATION TO 6BA6 IF. VALVE BIAS CIRCUIT

To eliminate parasitic oscillation the 300 Ohm 6BA6 IF. valve cathode bias resistor circuit No. 50 has been changed to a 680 Ohm ½ watt resistor. Across the resistor is wired a .05MF 200 V. condenser. New circuit numbers 80 and 81.

IF. TRANSFORMERS

The IF. transformers part No. PT872 (two per receiver) have both been changed to a different type IF. transformer part No. L128.
When the IF. transformers L128 are fitted the .47 megohm ½ W. resistor across the 1st IF. transformer secondary is changed to a .22 megohm ½ W. resistor, new circuit No. 82 and the .002MF condenser across the speaker input transformer primary is changed to a .02MF cond. new circuit No. 83.

ANTENNA CIRCUIT MODIFICATION

To improve the performance of the antenna stage an alteration has been made to the antenna circuit in the receiver and which is shown by the new circuit diagram on page 3.

A. The spark filter choke circuit No. 60 is changed to a different choke part No. L130 new circuit No. 84.
B. A 350MMF. cond. is wired in series with the spark choke.
C. A 27MMF. cond. circuit No. 86 is wired to the chassis from the junction of the choke and the 350 MMF. cond.
D. The antenna trimmer cond. is wired from the junction of the choke and the 350MMF. cond.
E. A 180 Ohm ½ W. carbon resistor which was later changed to a 220 Ohm ½ W. carbon resistor is wired in series with the 6BA6 RF. valve signal grid.

Circuit No.	Description	Tol. ±	Rating	Part No.
80	680 Ohm carbon resistor	10%	½W.	R6812
81	.05 MF paper cond.	20%	200V DCW	PC102
82	.22 Megohm carbon resistor	10%	½W.	R2242
83	.02 MF paper cond.	20%	400V DCW	PC111
84	Choke PT996 (5/16″ dia.) circuit No. 60 changed to choke L130 (1/4″ dia.)			
85	350 MMF mica cond.	5%	500V DCW	PC984
86	27 MMF ceramic disc. cond.	5%	500V DCW	PC982
87	220 Ohm carbon resistor	10%	½W.	R2212
88	IF. transformer 455 kc/s.			L128
89	IF. transformer 455 kc/s.			L128

ANTENNA COMPENSATING CONDENSER ADJUSTMENT

When production of the Models ''RL'' and ''RM'' car radio receivers commenced the installation instruction sheets for the receivers instructed that after the installation was completed the antenna compensating condenser was to be adjusted for max. volume ON A BARELY AUDIBLE DISTANT STATION WITH THE ANTENNA FULLY EXTENDED.

This instruction has been revised as follows:-
After the installation has been completed, adjust the antenna to HALF ITS FULLY EXTENDED HEIGHT AND TUNE THE RECEIVER TO A BARELY AUDIBLE DISTANT STATION NEAR THE CENTRE OF THE DIAL then adjust the antenna compensating condenser for max. volume.

If a BARELY AUDIBLE distant station is not available adjust the condenser for max. volume of the BACKGROUND NOISE between two stations near the centre of the dial. The condenser must be adjusted in an area free from interference from overhead power lines, etc.