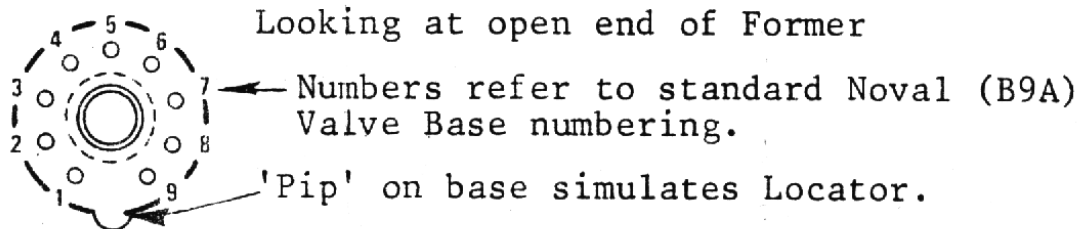
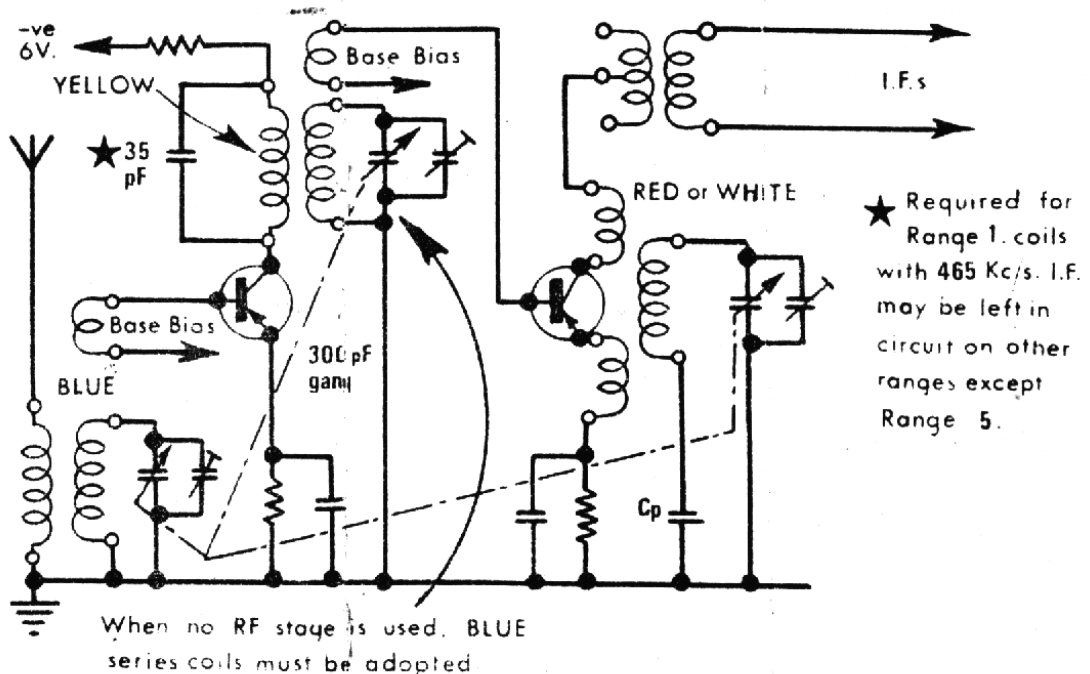


Transistor Tuning Coils.

Coil colour	Pin Connections								
	1	2	3	4	5	6	7	8	9
Blue	Earth	/	/	/	Base	Tuning Cond.	Base Bias	Aerial	Earth
Yellow	"	/	/	/	"	"	"	Coll. Supply	Coll.
Range 1 Red & White Range 5 White	Tuning Cond.	/	/	/	Emit-ter	Pad.	Emit. Bias	"	"
Range 2 Red & White	"	Pad.	/	/	"	/	"	"	"
Range 3 " "	"	/	Pad.	/	"	/	"	"	"
Range 4 " "	"	/	/	Pad.	"	/	"	"	"
Range 5 Red	"	/	/	/	"	Earth	"	"	"



- Blue** -- Aerial coil with base winding.
- Yellow** -- Interstage R.F. coil with coupling .
- Red** --- Oscillator coil for 465 Kc/s.
- White** --- Oscillator coil for 1.6 Mc/s.



SKELETON SUPERHET CIRCUIT.

Technical Bulletin **DTB.4** gives complete details and circuits

DENCO (CLACTON) LTD.

357.9, Old Road, Clacton-on-Sea, Essex.

We recommend the use of a 300 pF. ceramic insulated gang condenser with a low minimum capacity of approx. 11pF & max approx. 315pF. A .0005uF (500pF) Condenser may be utilized by connecting a high quality .001uF silver mica condenser in series with each section. Accurate tracking requires 'stray' capacities including circuit, valve & gang min. to be made up to 39pF. giving (39-352pF capacity swing) by variable parallel trimmers. Figures in Table for 'Osc trimmer' are over and above this 39pF.

NOTE: that Ranges 1 & 5 require the samw padder connections, therefore in the plug-in application only Range 1 or Range 5 may be directly interchangeable with other ranges.

Ls. uH.	Coverage 39-352 pF		Q	465 kc/s IF			1.6 mc/s IF							
	Mc/s	Metres		Lo	Cp	Cto	Copi	Lo	Cp	Cto	Copi			
1 3030 *	.15/.4	2000/750	70	500	110	6	30	20						
1 2350 *	.175/.523	1700/570	60						156	50	6	35	20	
2 271	.515/1.54	580/194	100	129	350	2	0		66	110	2	20	10	
3 27.2	1.67/5.3	180/57	60	206	100	3	6	5	13.6	340	3	11	10	
4 2.9	5.0/15	60/20	90	2.65	3000	4	1.5		2.22	960	4	4.5		
5 0.65	10.5/31.5	28/9.5	110	2.45		6	0.6		2.35	2,000	6	1.5		

* The Range 1 signal coils are adjustable to both these values.

Ls Nominal Inductive value of signal winding (average of +15% variation available by core adjustment excepting Range 1 which covers approx. 2250/3500uH).

QLs Approx. 'Q' of signal winding at mid-point of tuning range.

Lo Nominal Inductive value of oscillator winding.

Cto Oscillator trimming capacitance additional to assumed circuit capacity of 39pF.

Copi Fixed capacitance recommended to be wired across main windings of the coils concerned when used in plug-in application to allow for Cto

Cspi Additional fixed capacity across winding of signal coils on Range 1 with 465 Kc/s. I.F.

Important: Polystyrene formers are used. The threaded portion can be twisted off by excessive locking of the fixing nut, assemble 'finger-tight' only.

