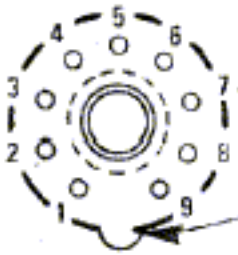
Transistor Tuning Coils.

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	"	"	"

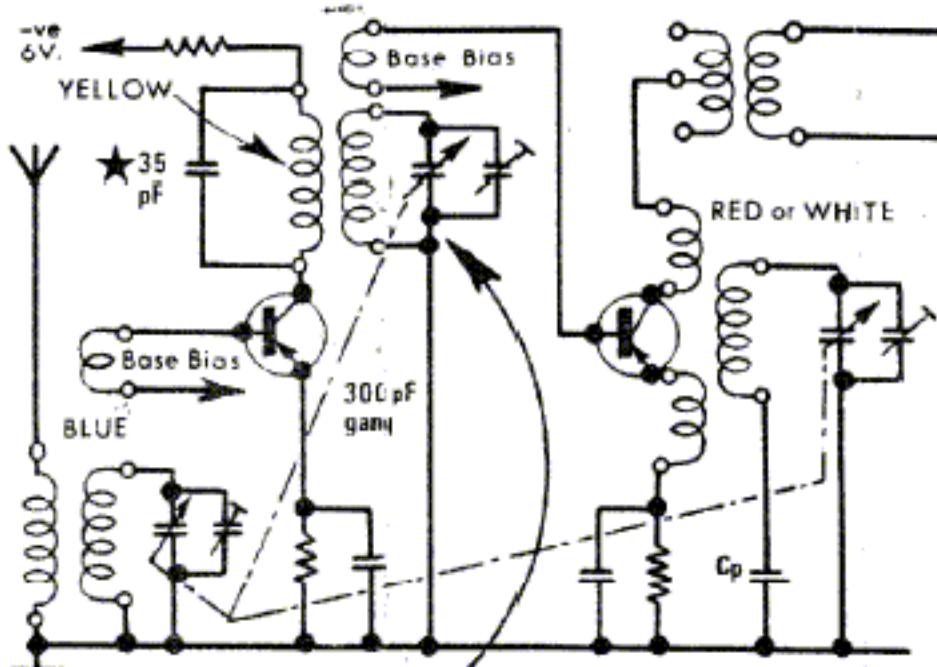


Looking at open end of Former

← Numbers refer to standard Noval (B9A) Valve Base numbering.

'Pip' on base simulates Locator.

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.



★ Required for Range 1. coils with 465 Kc/s. I.F. may be left in circuit on other ranges except Range 5.

When no RF stage is used. BLUE series coils must be adopted

SKELETON SUPERHET CIRCUIT.

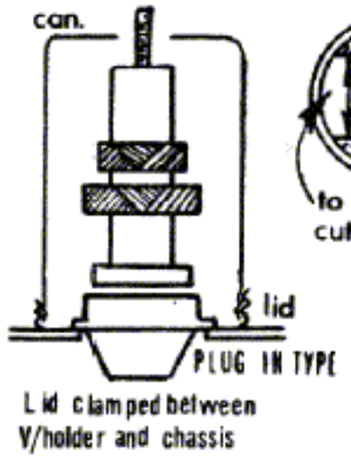
Technical Bulletin **DTB.4** gives complete details and circuits

DENCO (CLACTON) LTD.

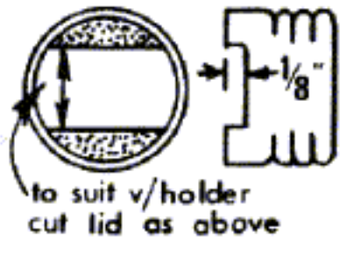
357 9, Old Road, Clacton-on-Sea, Essex.

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.

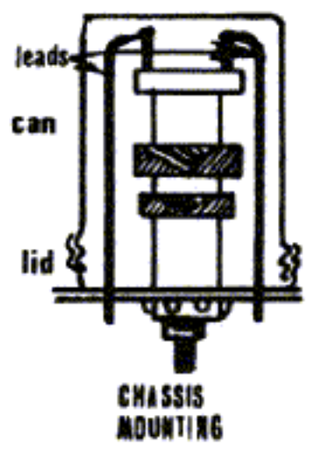
Range	Ls. uH.	Coverage 39—352 pF		Cspi.	Qls.	465 kc/s IF					1·6 mc/s IF				
		Mc/s	Metres			Lo	Cp	Pin	Cto	Copi	Lo	Cp	Pin	Cto	Copi
1	3030 *	·15/·4	2000/750	10	70	500	110	6	30	20					
1	2350 *	·175/·523	1700/570		60						156	50	6	35	20
2	271	·515/1·54	580/194		100	129	350	2	0		66	110	2	20	10
3	27·2	1·67/5·3	180/57		60	20·6	1100	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	



Lid clamped between V/holder and chassis



Method of using PACKING CAN for SCREENING purposes



* 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. Cp Oscillator Padder.

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.