

IMPORTANT. This Receiver uses MULLARD valves and was specifically designed round them. Its performance will be impaired unless MULLARD valves of the correct types are used when replacements are needed.

REMOVAL OF CHASSIS.

REMOVE: Knobs, three L.S. leads, two scale screws, A. & E., and Ext. L.S. panels and four chassis bolts. The chassis may then be lifted out of cabinet.

● For general information refer to Instruction Book and Instruction Card.

ALIGNMENT CHART FOR 810

*Operations MUST be carried out in the order indicated.

*Operation	Alignment of	Connect Signal Gen. to	Inject Signal via	Adjust Input Signal to	Set Wave Band Switch	Set Tuning Pointer to	To be adjusted for maximum output (with Reaction Cond. at min. and Volume Control at max.)
1	M.W.	Aer 1	Standard Dummy Aerial	1,400kcs	M.W.	214m spot	Trimmers T1, T2 & T3 Check calibration at these points. Calibration should be within limits if operation No. 1 has been carefully executed.
2	"	"	"	600kcs	"	500m	
3	L.W.	"	"	300kcs	L.W.	1,000m	
4	"	"	"	175kcs	"	1,714m spot	
5	S.W.	"	400Ω	15Mcs	S.W.	20m	

VOLTAGE CHART KB 810

H.T. Battery "Drydex" H 1070
(120v. + 9v. G.B.)

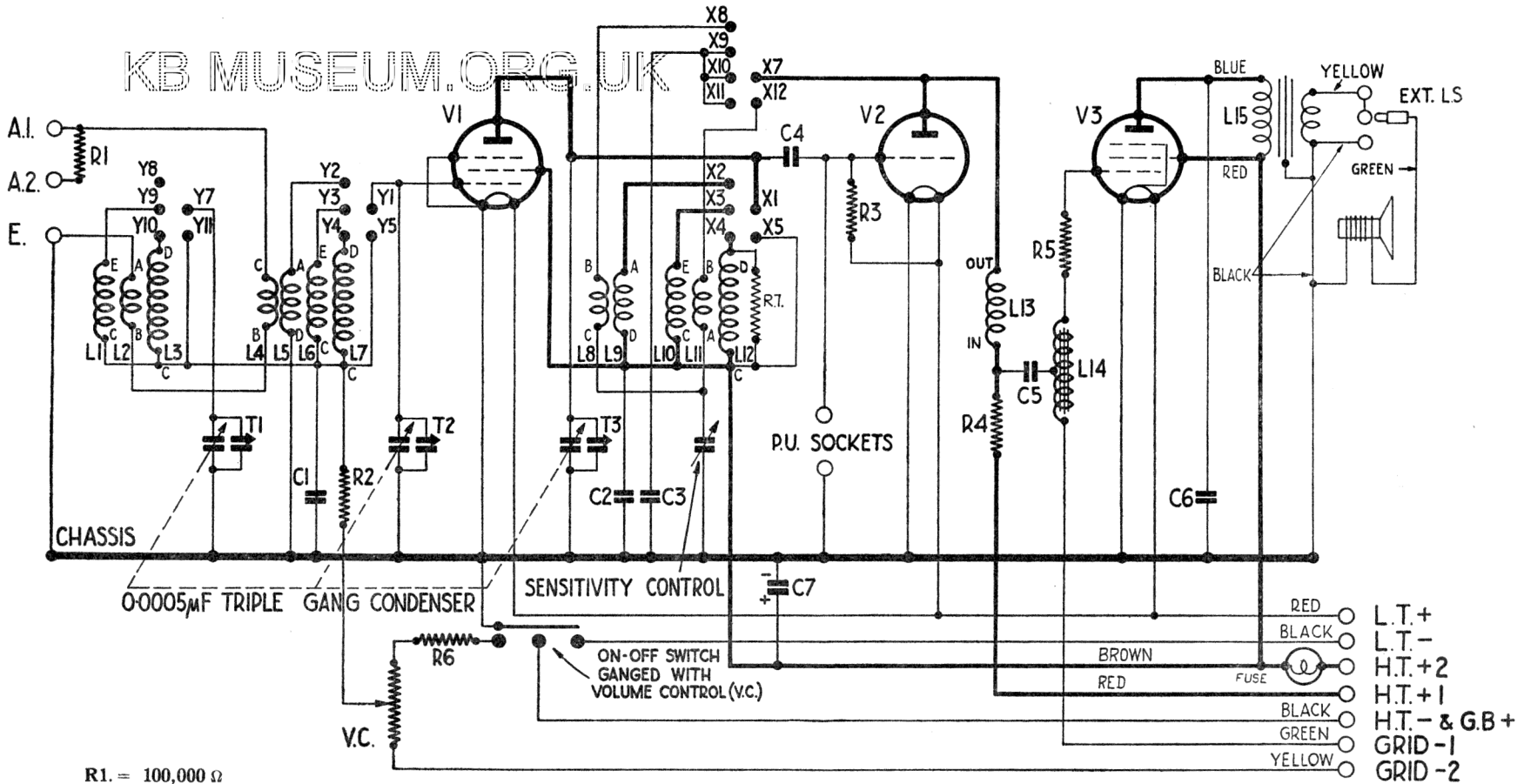
All voltages measured to chassis.
Volume Control at max.—Reaction at min.
Readings + or - 10%

Battery Plug	Voltage	Valve	Anode	Screen	Grid	Fils
HT+2 Brown or Orange	123v	VP2	123v	123v	—	2v
HT+1 Red	76v	PM1HL	51v	—	—	2v
HT— Black	0					
GB—1 Green	-4½	PM22A	121v	123v	—	2v
GB—2 Yellow	-9					

Total H.T. consumption 5.5 mA

" L.T. " -4 Amps

All H.T. voltages measured on 400v range of 1,000Ω per volt meter.



- R1. = 100,000 Ω
- R2. = 250,000 Ω
- R3. = 2 Meg. Ω
- R4. = 25,000 Ω
- R5. = 500,000 Ω
- R6. = 1,000 Ω
- R7. = 1 Meg. Ω
- VC. = 10,000 Ω

- C1. = .02 μ F
- C2. = .1 μ F
- C3. = .0005 μ F
- C4. = .0001 μ F
- C5. = .02 μ F
- C6. = .003 μ F
- C7. = 2 μ F 200v.(Elect)

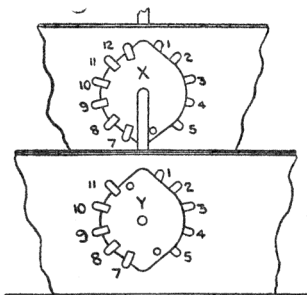
- { L1. = Aerial M.W. Sec.
- { L2. = Aerial M. & L. Pri.
- { L3. = Aerial L.W. Sec.
- { L4. = Aerial S.W. Pri.
- { L5. = Aerial S.W. Sec.
- { L6. = Band Pass M.W.
- { L7. = Band Pass L.W.
- { L8. = H.F. S.W. Reaction
- { L9. = H.F. S.W.

- { L10. = H.F. M.W.
- { L11. = H.F. M. & L. Reaction
- { L12. = H.F. L.W.
- L13. = R.F. Choke
- L14. = L.F. Transformer
- L15. = Output Transformer

Brackets indicate coils on one former.

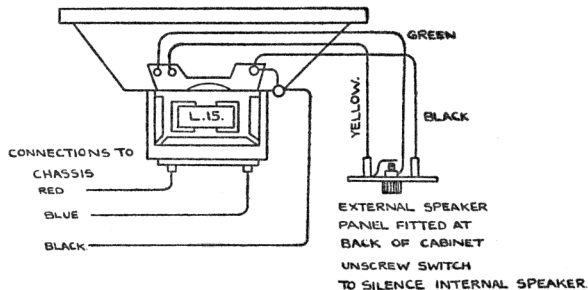
- RED \circ L.T.+
- BLACK \circ L.T.-
- BROWN \circ H.T.+2
- RED \circ H.T.+1
- BLACK \circ H.T. & GB+
- GREEN \circ GRID-1
- YELLOW \circ GRID-2

LOUD SPEAKER CONNECTIONS

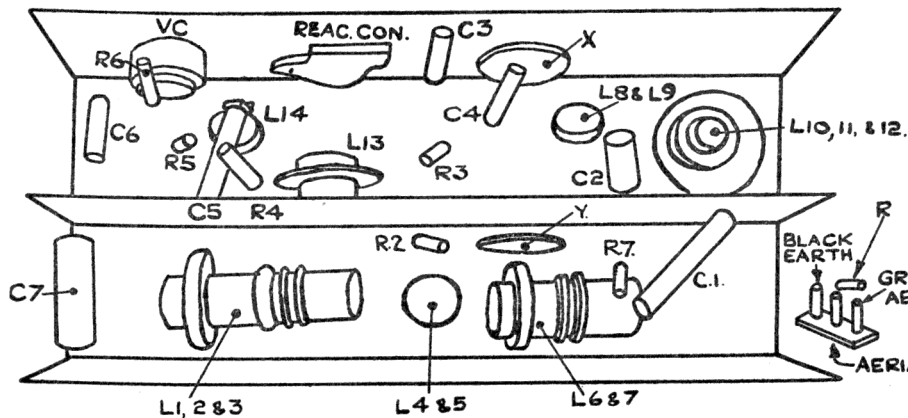


ARRANGEMENT OF WAVESWITCH CONTACTS.

WAVERANGE SWITCH CONTACTS		
THE CONTACTS SPECIFIED ON THE RIGHT CONNECT WHEN THE SWITCH IS IN POSITION SHOWN BELOW.		
	X	Y
LONG WAVE RANGE	1 TO 4 7 TO 10 11 TO 12	1 TO 4 7 TO 10
MEDIUM WAVE RANGE	1 TO 3 4 TO 5 7 TO 9 10 TO 11 & 12	1 TO 3 4 TO 5 7 TO 9 10 TO 11
SHORT WAVE RANGE	1 TO 2 3 TO 4 & 5 7 TO 9 9 TO 10 & 11	1 TO 2 3 TO 4 & 5 9 TO 10 & 11

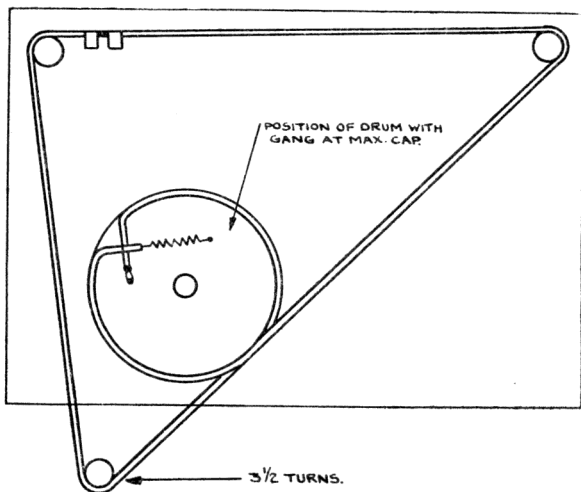


VIEW UNDER CHASSIS

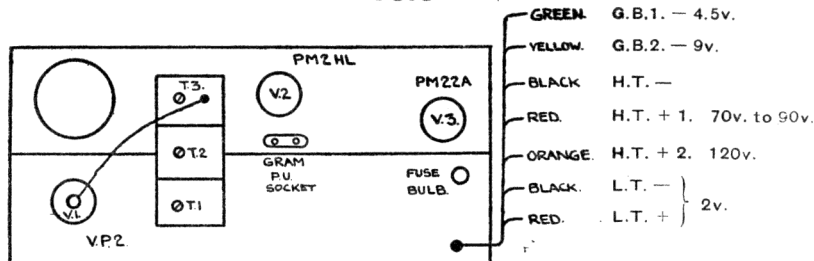


AERIAL EARTH SOCKETS FITTED ON BACK OF CABINET.

DRIVE CORD DIAGRAM



TOP VIEW OF CHASSIS



ALWAYS QUOTE PART No. WHEN ORDERING SPARES.

Component	Part No.	List Price	Component	Part No.	List Price
Volume Control	71018	each 6/6	3—Gang Condenser	A81062	each 23/-
Reaction Condenser	81010/A	3/3	Loudspeaker Silk	—	1/-
Inter-valve Auto-transformer (Dark Blue Spot)	A32861/A	5/3	Cabinet	A81075	33/-
Wave-band Switch Bank	64011/D	2/-	2 μ F. 200v Condenser	KE37	1/6
Fuse Lamp 2.5v	33354	3d.	Extension L.S. Panel	A81067	6d.
Knobs	81011	8d.	A. & E. Panel	A81065	6d.
Scale	81050	6d.	COILS:—		
Window Glass	72013	8d.	M. & L. Aerial. L1, 2, & 3	A71081	5/-
Battery Leads, complete	A81070	4/6	M. & L. Band Pass. L6 & 7	A71082	4/-
Loud Speaker, "Rola"	A81068	35/-	M. & L. H.F. L10, & 11, & 12	A71083	5/-
Output Transformer	R731C	9/-	S.W. Aerial. L4 & 5	A71084/B	1/9
R.F. Choke	A71080	1/6	S.W. H.F. L8 & 9	A71084/C	1/9
Drive Cord Assembly	A76060/A	1/-			

MEMORANDA

THIS SPACE WILL BE FOUND USEFUL BY THE SERVICE
ENGINEER FOR ANY NOTES HE REQUIRES TO MAKE.