

## Hallicrafters, Inc.

**Model: S29**

**Chassis:**

**Year: Pre April 1941**

**Power:**

**Circuit:**

**IF:**

**Tubes:**

**Bands:**

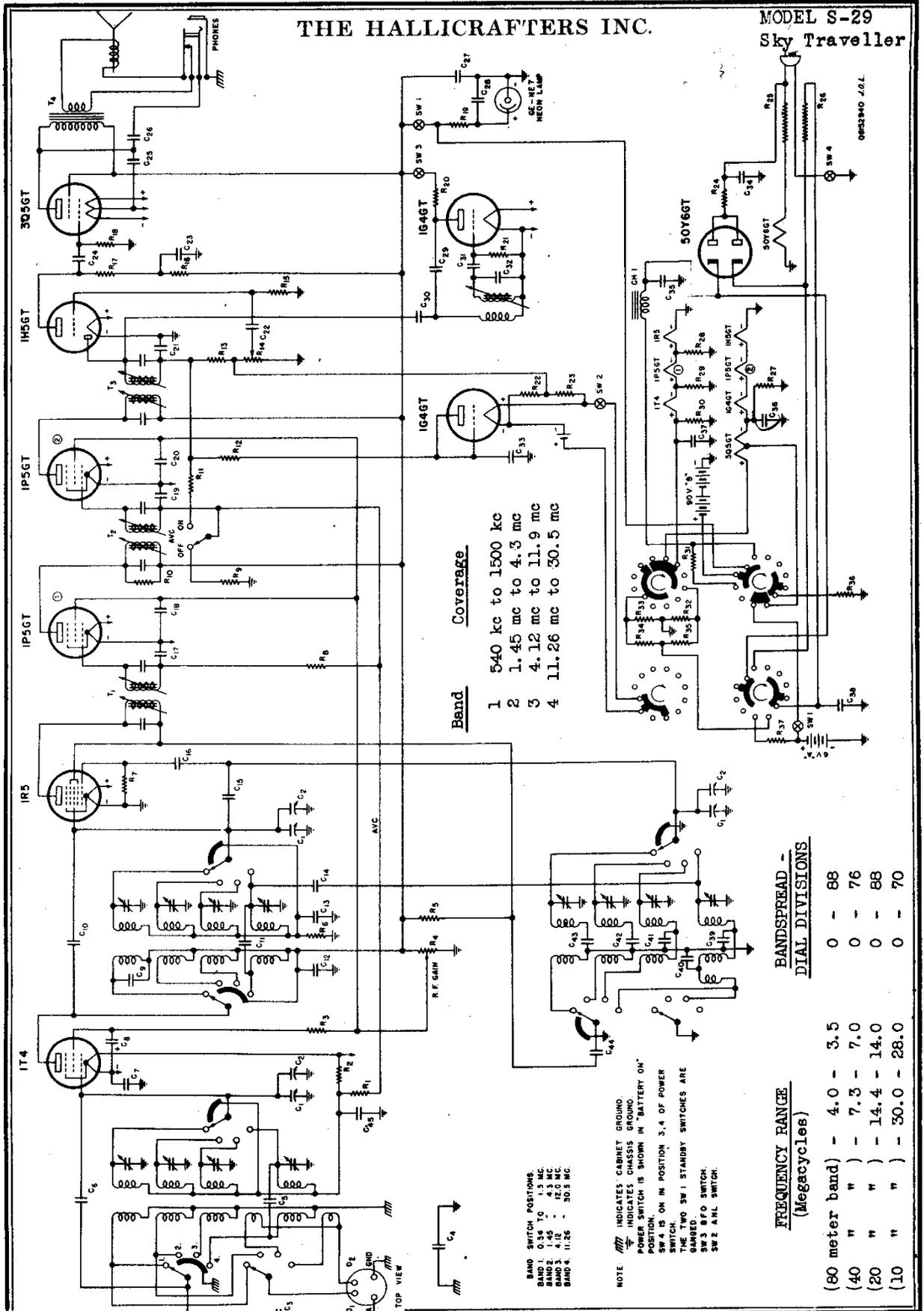
### Resources

**Riders Volume 12 - HALLICRAFTERS 12-11**

**Riders Volume 12 - HALLICRAFTERS 12-12**

THE HALLICRAFTERS INC.

MODEL S-29  
Sky Traveller



Band	Coverage
1	540 kc to 1500 kc
2	1.45 mc to 4.3 mc
3	4.12 mc to 11.9 mc
4	11.26 mc to 30.5 mc

FREQUENCY RANGE (Megacycles)	BANDSPREAD - DIAL DIVISIONS
(80 meter band) - 4.0 - 3.5	0 - 88
(40 " " ) - 7.3 - 7.0	0 - 76
(20 " " ) - 14.4 - 14.0	0 - 88
(10 " " ) - 30.0 - 28.0	0 - 70

BAND SWITCH POSITIONS  
 BAND 1 0.34 TO 1.3 MC.  
 BAND 2 1.45 - 4.3 MC.  
 BAND 3 4.12 - 12.0 MC.  
 BAND 4 11.26 - 30.5 MC.

NOTE  
 [Symbol] INDICATES CABINET GROUND  
 [Symbol] INDICATES CHASSIS GROUND.  
 POWER SWITCH IS SHOWN IN "BATTERY ON"  
 SWITCH IS ON IN POSITION 3, 4 OF POWER  
 SWITCH.  
 THE TWO SW 1 STANDBY SWITCHES ARE  
 GANGED.  
 SW 3 RFO SWITCH.  
 SW 2 ANL SWITCH.

MODEL S-29  
Sky Traveller

THE HALLICRAFTERS INC.

Insert "long-antenna" plug, furnished with receiver, into antenna socket and connect generator as indicated in chart below. A condenser in series with the antenna plug is necessary for maximum gain. When the covers are removed, the antenna is folded and the covers removed - thus, a dummy antenna is unnecessary.

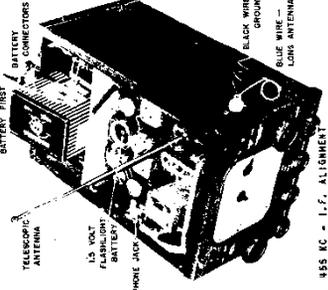
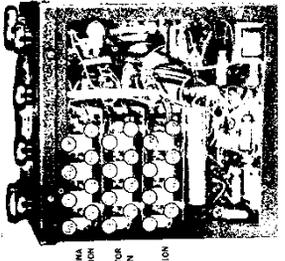
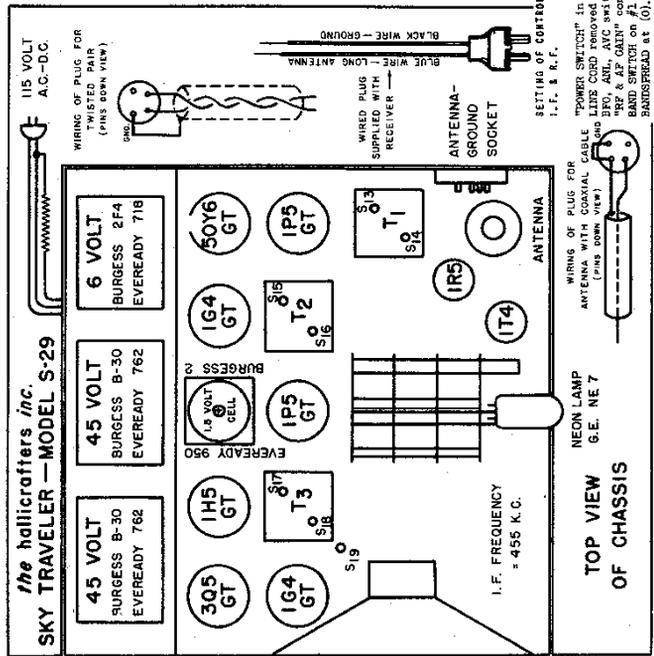
NOTE: - On #3 and 4 Bands, it may be necessary to use the main tuning control in conjunction with the antenna plug for alignment. When adjusting the trimmer and slug for maximum gain, the oscillator frequency is 455 kc. less than the signal frequency on #4 band.

Without changing the frequency of the generator after completing i. f. alignment - turn BFO knob to exact resonance with the BFO. When adjusting the trimmer and slug for maximum gain, the oscillator frequency is 455 kc. less than the signal frequency on #4 band.

NOTE: - It is also possible to adjust the BFO without the aid of the signal generator by tuning a signal to exact resonance with the BFO. When adjusting the trimmer and slug for maximum gain, the oscillator frequency is 455 kc. less than the signal frequency on #4 band.

Band	Signal Generator Frequency and Receiver Dial Setting	Oscillator Frequency Relative to Signal	HIGH FREQUENCY END		LOW FREQUENCY END		No.	Type	Voltage	Main Tuning Gang	Air	R.I.	2 mags	1/3
			Adjust with	Cap	Adjust with	Cap								
1	1.4 mc	Above	C <sub>2</sub>	C <sub>4</sub>	C <sub>2</sub>	C <sub>4</sub>	S <sub>2</sub>	S <sub>1</sub>	S <sub>3</sub>	400	paper	3	9000	1/3
2	4.0	Above	C <sub>2</sub>	C <sub>5</sub>	C <sub>2</sub>	C <sub>5</sub>	S <sub>5</sub>	S <sub>4</sub>	S <sub>6</sub>	200	paper	4	500,000	1/3
3	11.0	Above	C <sub>2</sub>	C <sub>6</sub>	C <sub>2</sub>	C <sub>6</sub>	S <sub>6</sub>	S <sub>7</sub>	S <sub>9</sub>	400	paper	5	5,000	1/3
4	28.0	Below	C <sub>2</sub>	C <sub>7</sub>	C <sub>2</sub>	C <sub>7</sub>	S <sub>8</sub>	S <sub>7</sub>	S <sub>9</sub>	200	paper	10	40,000	1/3
	14.0	Below	C <sub>2</sub>	C <sub>8</sub>	C <sub>2</sub>	C <sub>8</sub>	S <sub>11</sub>	S <sub>10</sub>	S <sub>12</sub>	200	paper	12	1 meg	1/3

No.	Type	Voltage	Main Tuning Gang	Air	R.I.	2 mags	1/3
01	Bandspread Gang	400	air	1	2	2	1/3
02	0.1 mfd	400	paper	2	3	2	1/3
03	0.1 mfd	400	paper	3	4	2	1/3
04	10 mfd	200	ceramic	4	5	500,000	R.F. Gain
05	6 mfd	200	ceramic	5	6	5,000	1/3
06	0.05 mfd	400	paper	6	7	2 mags	1/3
07	0.01 mfd	400	paper	7	8	100,000	1/3
08	0.01 mfd	400	paper	8	9	1 meg	1/3
09	5 mfd	200	ceramic	9	10	1 meg	1/3
10	5 mfd	200	ceramic	10	11	2 mags	1/3
11	0.05 mfd	200	paper	11	12	40,000	1/3
12	0.05 mfd	200	paper	12	13	2 mags	1/3
13	3 mfd	200	waxed pair	13	14	1 meg	1/3
14	50 mfd	200	waxed pair	14	15	100,000	1/3
15	50 mfd	200	paper	15	16	500,000	A.F. Gain
16	0.01 mfd	400	paper	16	17	10 mags	1/3
17	0.01 mfd	400	paper	17	18	100,000	1/3
18	0.01 mfd	400	paper	18	19	100,000	1/3
19	0.01 mfd	400	paper	19	20	500,000	1/3
20	0.01 mfd	400	paper	20	21	500,000	1/3
21	0.01 mfd	400	paper	21	22	400,000	1/3
22	0.01 mfd	400	paper	22	23	50,000	1/3
23	0.01 mfd	400	paper	23	24	50,000	1/3
24	0.01 mfd	400	paper	24	25	300	1/3
25	0.01 mfd	400	paper	25	26	300	1/3
26	0.01 mfd	400	paper	26	27	1100	1/3
27	0.01 mfd	400	paper	27	28	28	1
28	0.01 mfd	400	paper	28	29	480	line cord
29	0.01 mfd	400	paper	29	30	480	line cord
30	2 mfd	160	waxed pair	30	31	480	1/3
31	100 mfd	160	waxed pair	31	32	480	1/3
32	500 mfd	200	mica	32	33	480	1/3
33	500 mfd	200	mica	33	34	480	1/3
34	0.01 mfd	400	paper	34	35	480	1/3
35	0.01 mfd	400	paper	35	36	480	1/3
36	0.01 mfd	400	paper	36	37	480	1/3
37	0.01 mfd	400	paper	37	38	480	1/3
38	0.01 mfd	400	paper	38	39	480	1/3
39	0.01 mfd	400	paper	39	40	480	1/3
40	0.01 mfd	400	paper	40	41	480	1/3
41	0.01 mfd	400	paper	41	42	480	1/3
42	0.01 mfd	400	paper	42	43	480	1/3
43	0.01 mfd	400	paper	43	44	480	1/3
44	0.01 mfd	400	paper	44	45	480	1/3
45	0.01 mfd	400	paper	45	46	480	1/3



SETTING OF CONTROLS PRIOR TO ALIGNMENT  
i. f. & r. f.

WIRING OF PLUG FOR ANTENNA WITH CORAL CABLE (plug down view)  
NEON LAMP G.E. NE 7

WIRING OF PLUG FOR TWISTED PAIR (plug down view)  
115 VOLT A.C.-D.C.

REAR SECTION (R.F.) of main tuning control through a 0.1 mfd condenser. Proceed to adjust the screws S<sub>1</sub>, S<sub>2</sub>, S<sub>3</sub>, S<sub>4</sub>, S<sub>5</sub>, S<sub>6</sub>, S<sub>7</sub>, S<sub>8</sub>, S<sub>9</sub>, S<sub>10</sub>, S<sub>11</sub>, S<sub>12</sub>, S<sub>13</sub>, S<sub>14</sub>, S<sub>15</sub>, S<sub>16</sub>, S<sub>17</sub>, S<sub>18</sub>, S<sub>19</sub>, S<sub>20</sub>, S<sub>21</sub>, S<sub>22</sub>, S<sub>23</sub>, S<sub>24</sub>, S<sub>25</sub>, S<sub>26</sub>, S<sub>27</sub>, S<sub>28</sub>, S<sub>29</sub>, S<sub>30</sub>, S<sub>31</sub>, S<sub>32</sub>, S<sub>33</sub>, S<sub>34</sub>, S<sub>35</sub>, S<sub>36</sub>, S<sub>37</sub>, S<sub>38</sub>, S<sub>39</sub>, S<sub>40</sub>, S<sub>41</sub>, S<sub>42</sub>, S<sub>43</sub>, S<sub>44</sub>, S<sub>45</sub>, S<sub>46</sub>, S<sub>47</sub>, S<sub>48</sub>, S<sub>49</sub>, S<sub>50</sub>, S<sub>51</sub>, S<sub>52</sub>, S<sub>53</sub>, S<sub>54</sub>, S<sub>55</sub>, S<sub>56</sub>, S<sub>57</sub>, S<sub>58</sub>, S<sub>59</sub>, S<sub>60</sub>, S<sub>61</sub>, 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