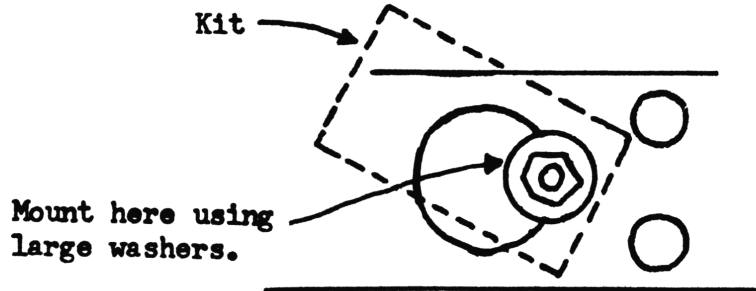


MIDLAND 79-012: KIT #106. 26.515-27.855MHz

KIT-106 for Midland 79-012 (6001, with uPD2824C PLL Chip).

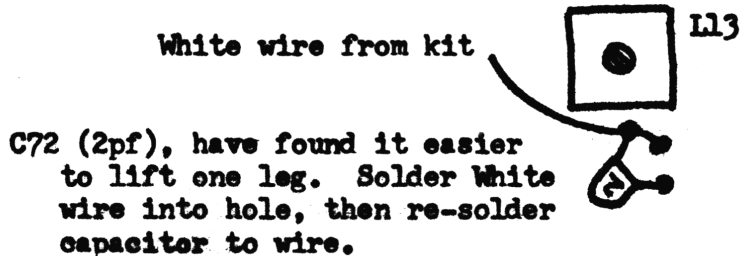
Kit Installation...

1. Kit will install on side of chassis next to PLL chip.
Mount in the microphone hole per drawing below - you might have to enlarge the key-way slightly to get enough bite for the washers. In this manner will only have to remove a small amount of metal from each case cover. **DON'T MOUNT THE KIT YET....**

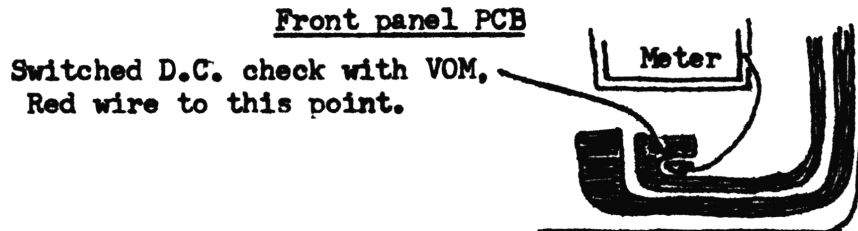


2. Kit wires go the following locations:

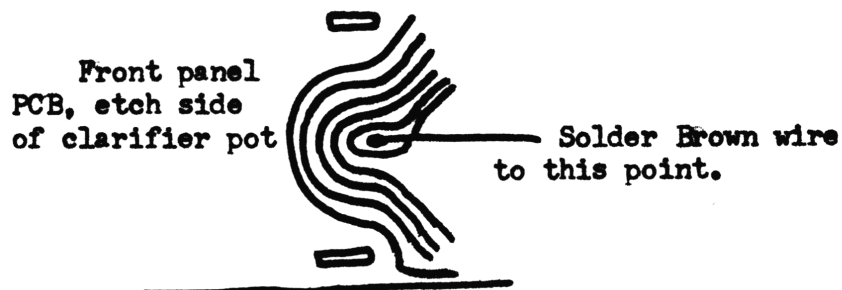
Black - D.C. Ground (try hole to right of L14, is un-used and DC Gnd.)
White - Solder to C72, side closest to L13 - see below:



Red - Solder to switched DC input to unit, see below:



Brown - 'wiper' of the clarifier potentiometer, see below:



Kit 106 - Midland 79-012 (Cont.)...

3. 'Tack solder' all wires and check out kit before installing.
4. If when mounting the UP position is throwing in the Low Fo's, just switch crystals on the kit PCB.
5. SPECIAL NOTE: test unit S/N 23000315 required a 'Super Diode' in the VCO circuit for full frequency coverage and stability. This is D25, located to left of L14.
6. Permanently install kit, and shorten wiring after checking out operation.
7. Using L13 and L14 will get the frequencies to 'come up', L14 has the most effect. Then tune L15, L40, L39, L38, L37, and L28 for best overall LINEAR RF OUTPUT Power in SSB mode.
8. Additional adjustments for this unit:
 VR1-S Mtr, VR2-Sq Rng, VR3-LSB Fo Adj. (disabled if slide is installed), VR4-Carrier Balance, VR5-AMC, VR6-AIC, VR7-Tx Mtr, VR8-Final Bias (100ma), VR9-Driver Bias (10ma), VR10-AM Power.

Kit-106, Frequency Chart

Down		Middle		Up	
Channel	MHz Frequency	Channel	MHz Frequency	Channel	MHz Frequency
1	26,515	1	26,965	1	27,415
2	26,525	2	26,975	2	27,425
3	26,535	3	26,985	3	27,435
4	26,555	4	27,005	4	27,455
5	26,565	5	27,015	5	27,465
6	26,575	6	27,025	6	27,475
7	26,585	7	27,035	7	27,485
8	26,605	8	27,055	8	27,505
9	26,615	9	27,065	9	27,515
10	26,625	10	27,075	10	27,525
11	26,635	11	27,085	11	27,535
12	26,655	12	27,105	12	27,555
13	26,665	13	27,115	13	27,565
14	26,675	14	27,125	14	27,575
15	26,685	15	27,135	15	27,585
16	26,705	16	27,155	16	27,605
17	26,715	17	27,165	17	27,615
18	26,725	18	27,175	18	27,625
19	26,735	19	27,185	19	27,635
20	26,755	20	27,205	20	27,655
21	26,765	21	27,215	21	27,665
22	26,775	22	27,225	22	27,675
23	26,805	23	27,255	23	27,705
24	26,785	24	27,235	24	27,685
25	26,795	25	27,245	25	27,695
26	26,815	26	27,265	26	27,715
27	26,825	27	27,275	27	27,725
28	26,835	28	27,285	28	27,735
29	26,845	29	27,295	29	27,745
30	26,855	30	27,305	30	27,755
31	26,865	31	27,315	31	27,765
32	26,875	32	27,325	32	27,775
33	26,885	33	27,335	33	27,785
34	26,895	34	27,345	34	27,795
35	26,905	35	27,355	35	27,805
36	26,915	36	27,365	36	27,815
37	26,925	37	27,375	37	27,825
38	26,935	38	27,385	38	27,835
39	26,945	39	27,395	39	27,845
40	26,955	40	27,405	40	27,855