

MIDLAND 13-893

1. AM power parallel R148 A 5 \sim 5w with another 5 \sim 5w.
2. AMC VR12 - set for max AM mod with tone.
3. ALC VR 15 - set for Max SSB ourput tone.
4. Adjust - T22 - T21 - T20 - L10 - L8 for max on peak reading watt meter with tone in AM mode. Do Not adjust L5 401 trap.
5. Clarifier Slide
 - a. Short R68 with wire.
 - b. Adjust VR5 & VR6 for best range - this will give aprox 15KC slide.

ROYCE 1-641

1. Clarifier Mod.
 - a. Cut R 99
 - b. ~~Remove pink wire from clarifier and connect to emitter of Q20. see BELOW~~

~~This completes clarifier Mod - Pink wire is on clarifier cont -~~
2. Locate the blue and gray that go between the PLL unit and Channel Switch. Install a SPST Switch in the blue & gray leads. This will give your new channels. 27.445-595 open & close blue wire.
3. To disable ALC cut R97 - Adjust VR7 - AMC to Max mod with 1000 Hz tone. AM Xmit - adjust +6 - +11 - +12 - +13 - +14 - +15 - +16 for max with 1000 Hz tone. SSB - adjust VR8 for max SSB power.

Note: VR9 should be 13.80 volts at xmit.

*MOVE PINK WIRE FROM BOARD AND CONNECT TO FUSE 3 ON POWER SUPPLY BOARD.
TO INCREASE SLIDE, REMOVE POWER SUPPLY CHASSIS, OPEN COVER ON PLL OSC. UNIT.
CLARIFIER VARACTOR AT THE LOWER REAR ON PLL BOARD. Pull trimmer CAP NEXT
TO VARACTOR - LIFT ANODE OF VARACTOR AND INSTALL SUPER SIZE DIODE BETWEEN
ANODE AND WHERE ANODE WAS CONNECTED*