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Installation of the NRD-515 Mother-Board Modifications

Remove the top cover, and set it aside. Unplug the phono jacks from the rf/if board. Squeeze the sides of the black power connector at the rear of the board, and unplug it, too. Remove the screws that hold the rf/if board to the chassis.

Push the board toward the rear of the set about 1/4 inch, so that it unplugs from the mother board mounted on the front panel of the radio. [There is a blue (pin and socket) connector on the right-front edge of the rf/if board.] Tilt the rear of the board up, and lift it out of the radio.

You are going to be removing diodes, resistors, capacitors, and coils from the rf/if board, and replacing them with other components or leaving the place blank. One you locate a component you are going to remove, you may find it easier to cut it in half before unsoldering it. That way you can heat the one circuit pad from the circuit side, and pull from the component side with needle-nose pliers, and completely remove half of the component. (The coils, which are end-mounted little cylinders, cannot be cut in half.) In this case, the two leads, which are very close together, can be heated at the same time, and the whole coil removed at one time.

Component changes:

Remove: CD-52
 CD-53

R-43

C-251

C-252

C-259

C-260

Replace L-110 with a 2200 ohm resistor ✓
 L-111 with a wire jumper
 L-112 with a wire jumper
 L-113 with a 2200 ohm resistor
 L-135 with a 470 ohm resistor ✓

R-146 with a 4700 ohm resistor ✓

R-148 with a 4700 ohm resistor ✓

R-150 with a 4700 ohm resistor ✓

R-151 with a 4700 ohm resistor

R-159 with a 3300 ohm resistor ✓

Attach 1500 ohm resistor across the secondary of T-11 ✓

(Note, the BUF-1 amp is now available with installation instructions for \$20.00.)
 (Note, the PD-1 will be available the first of the year for \$35.00)