WJ862x Display Replacement (receivers in the WJ-9040 system)
by Geoff Greer

Material needed.

1 - Lumex S02402DSF 2 x 24 LCD with LED backlight   or
1 - Digikey 67-1764-ND (LCM-S02402DSF) LCD module 24x2 w/led

2-56 stainless steel nuts, screws, washers and lock washers.
(4 screws ¾ " and 12 of everything else.)

Note: Please check on this as my original notes mentioned 4-40 hardware
(Geoff left this unresolved - anyone have insights so this can be settled?)

1 - 4.7 ohm ¼ watt resistor.

The following items I would suggest removing from the old display and use it as a
model for the new parts.

1 - 14 pin header (2 x 7)
1 - 3 pin header   (1 x 3)
1 - 3 pin socket shell and contacts.

Directions and such

Wire colors are the same as the resistor code.
1=Brown 2-Red 3=Orange 4=Yellow 5=Green 6=Blue 7=Violet 8=Grey 9=White

Wire that is coded 9-2-5 is White base color Red wide stripe Green thin stripe

I use the WJ part designations which are usually marked on the front panel.

1) P2 (3 pin backlight power) is no longer used.
2) S1 single 9-3 wire remove and tape.
3) R3 (display adjust) Remove and tape the 9-2-5 wire and 9-5 wires.
    a) Ground the CCW lug of R3 (I added a ground lug here under R3).
    b) Connect the CW lug of R3 to a +5V source. R2 (9-0-3) wire or S1 (9-0-3)
        wire.
4) New plug like P2 (DS1). 4.7 ohms in series with the anode of the display and
    the + 5 source. See item 3 for +5v sources.
5) On the new display install the 3 pin header. Bend the pins over 90 degrees
    (facing center of display) so the display power plug will fit.
6) On the new display install 14 pin header and bend the pins about 30 degrees
    up from parallel from the display.
7) On items 5 & 6 you will have to adjust for good fit as the new display is
    deeper than the old one.