



# MAGPOWR Cygnus™ Display Repair Kit Instructions

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## Safety

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**WARNING** – Death or injury can result from electrical shock.

Turn the unit off and disconnect the main power before performing any repairs

Damage to the equipment caused by failure to do so may void the product warranty.

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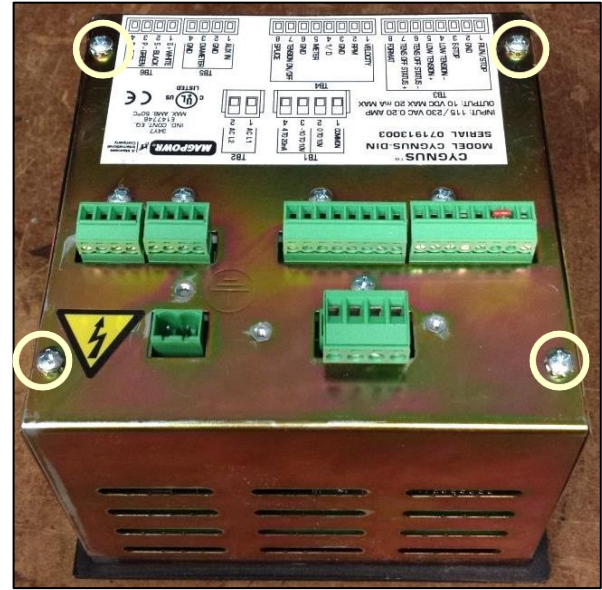
## REMOVING THE DISPLAY

### Removing the display

1

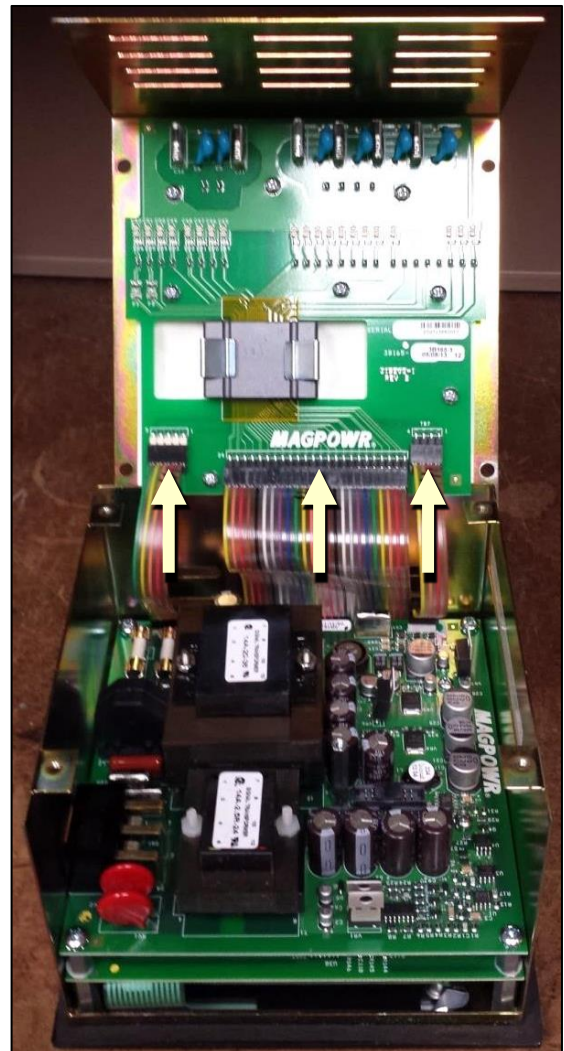
Remove four screws and star washers from the back of the Cygnus.

Lift and rotate the cover off of the base assembly.



2

Disconnect three ribbon cables and set the sheet metal backing to the side.



## REMOVING THE DISPLAY

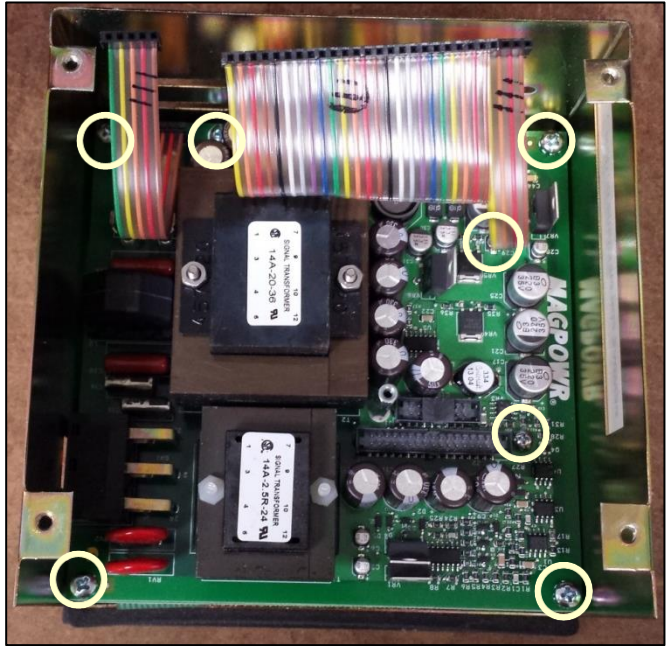
# 3

Remove seven screws and star washers from the top PCB.

Note that two of the screws are smaller than the others. This will be important during reinstallation.

Remove the board by lifting up and sliding out the open end of the housing. Place the board to the side.

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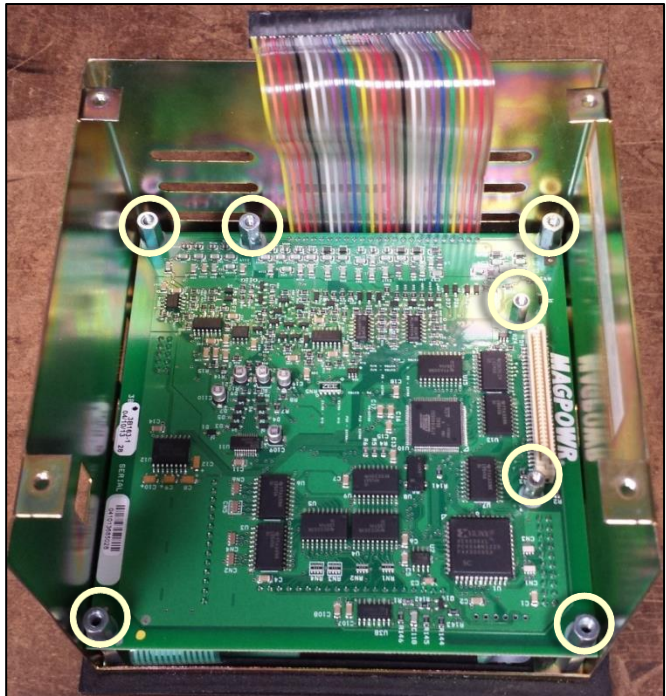


# 4

Remove the seven corresponding standoffs and plastic washers from the lower PCB.

Note also that two of the standoffs are smaller than the others.

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## REMOVING THE DISPLAY

5

Lift the board up to access the multicolored ribbon cable.

Disconnect the multicolored ribbon cable from bottom of the second PCB.



6

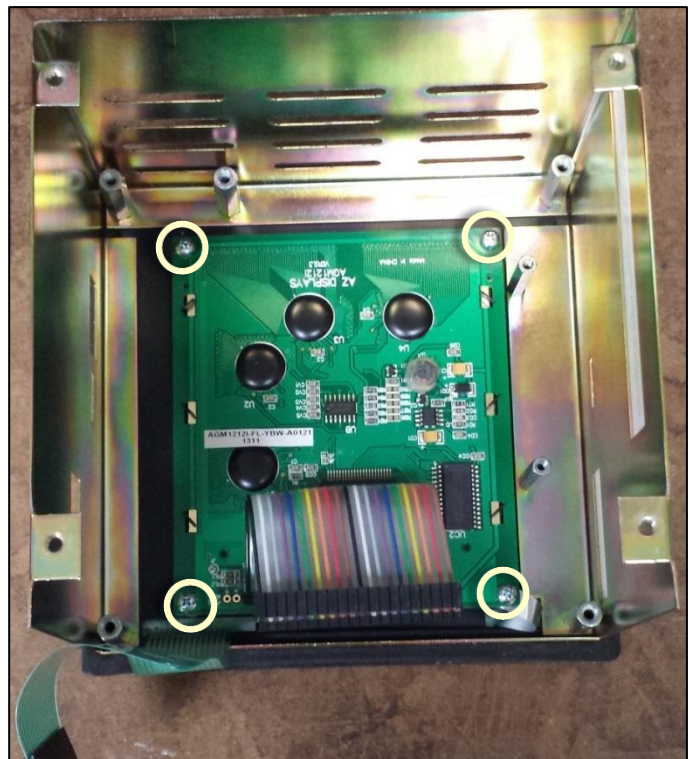
Pull out the PCB and turn it over.

Disconnect the remaining ribbon cable and set the PCB aside.



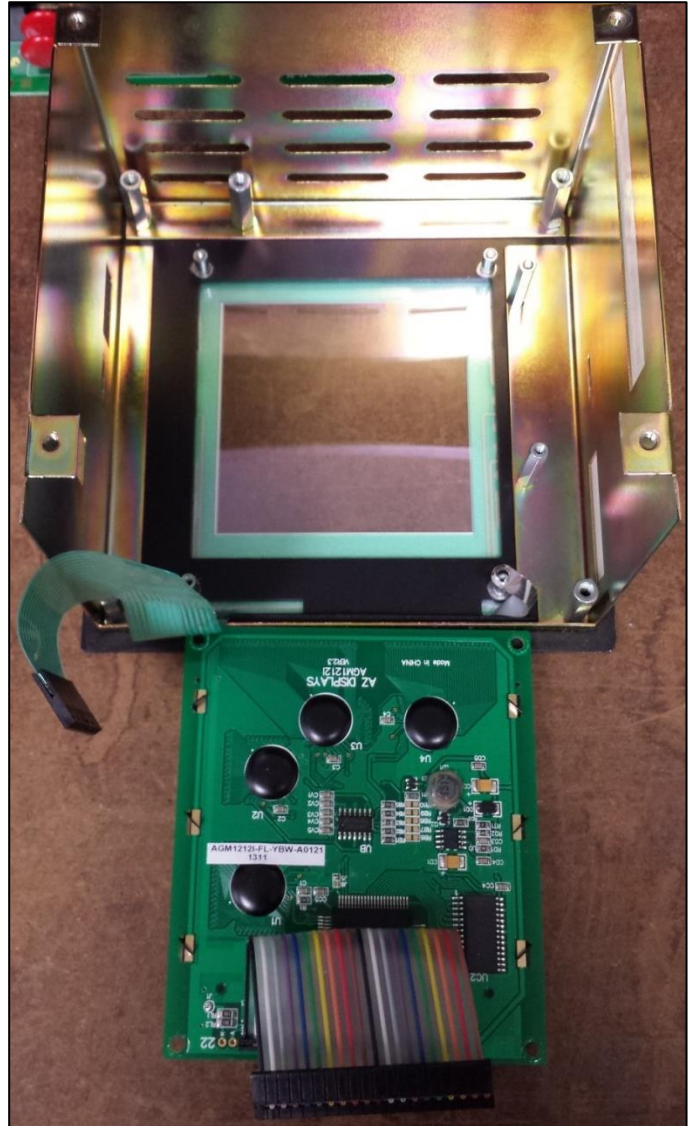
7

Remove four screws and star washers from the back of the Display PCB.



# 8

Remove the PCB and display.

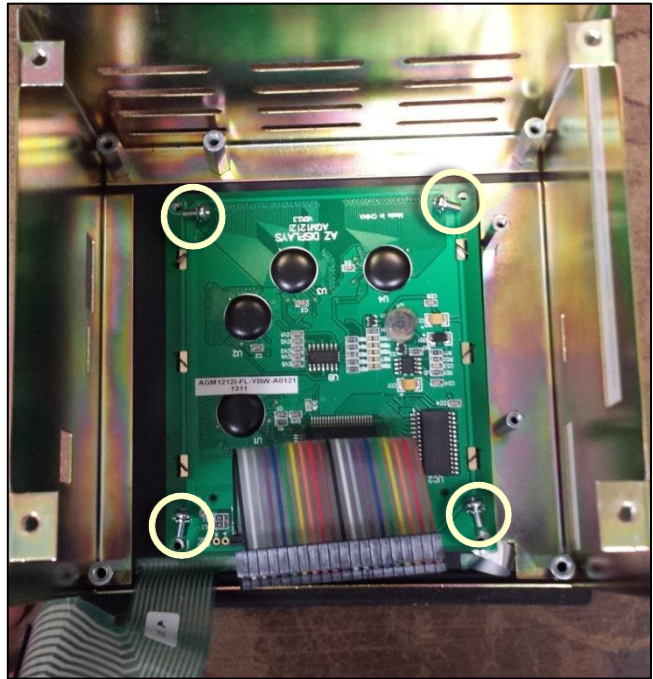


## INSTALLING THE NEW DISPLAY

### Installing the new display

1

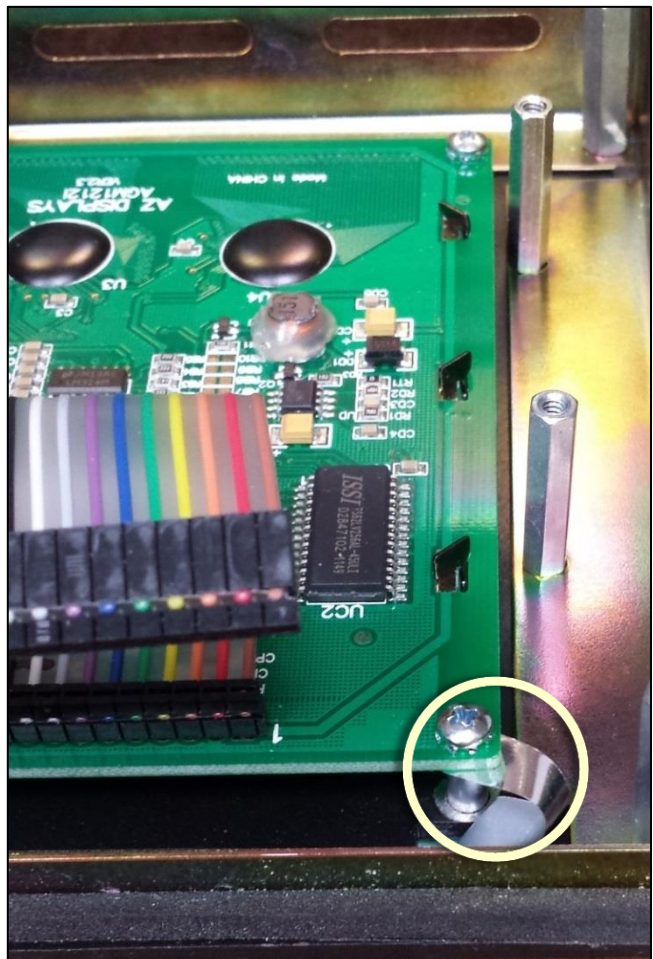
Place the new display PCB into position.



2

Reinstall four screws and star washers.

Be sure to get the little ground strap in place between the standoff and the PCB.





## INSTALLING THE NEW DISPLAY

3

Reconnect the ribbon cable to the next PCB.



4

Turn the PCB over and slide it into place.

Reconnect the multicolored ribbon cable to the bottom of the PCB.



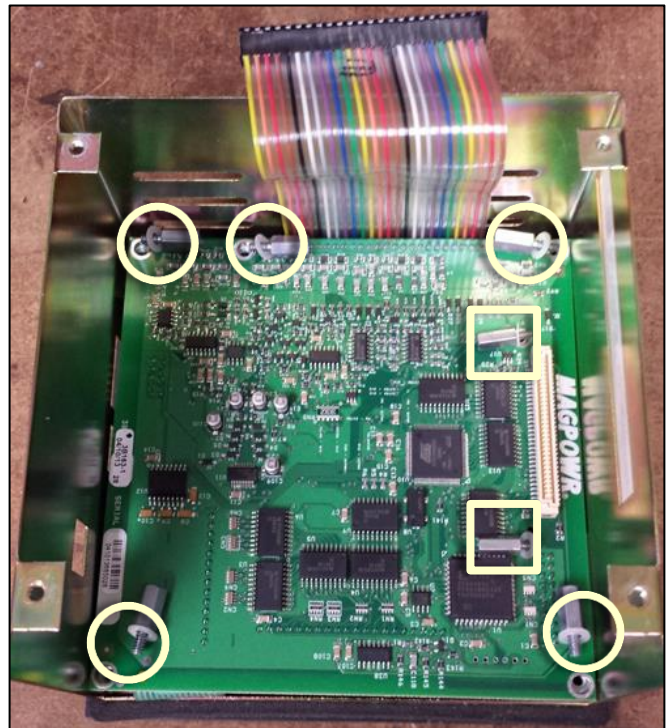
5

Reinstall seven standoffs and plastic washers.

**Note:** The two standoffs on the sides of the white header connector, marked with squares, are smaller than the other five.



Do not overtighten the standoffs; the plastic washers can be damaged. Tighten to finger-tight, then tighten 1/8 turn more.



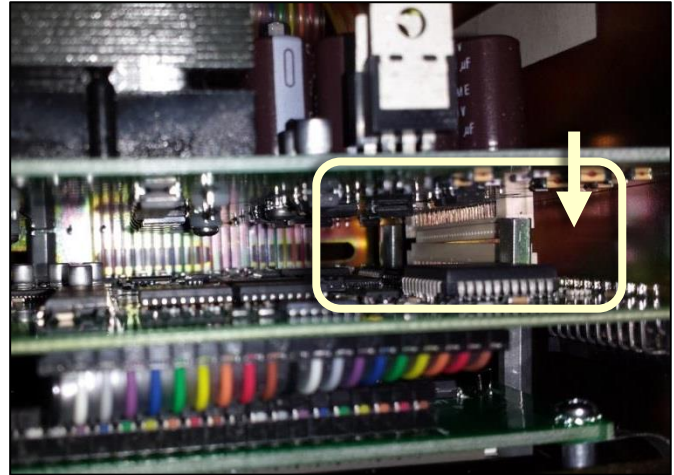


## INSTALLING THE NEW DISPLAY

6

Slide the remaining PCB into place.

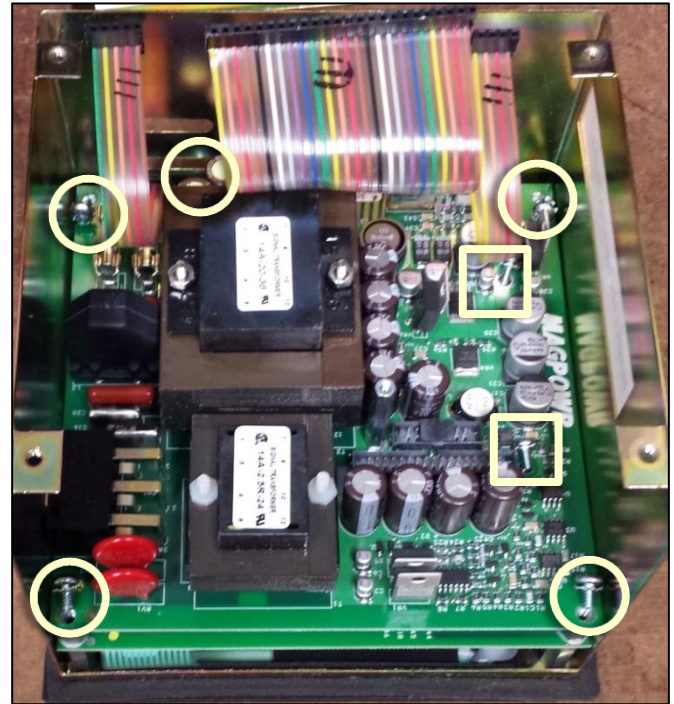
Line up the connector on the bottom of the board and press into place.



7

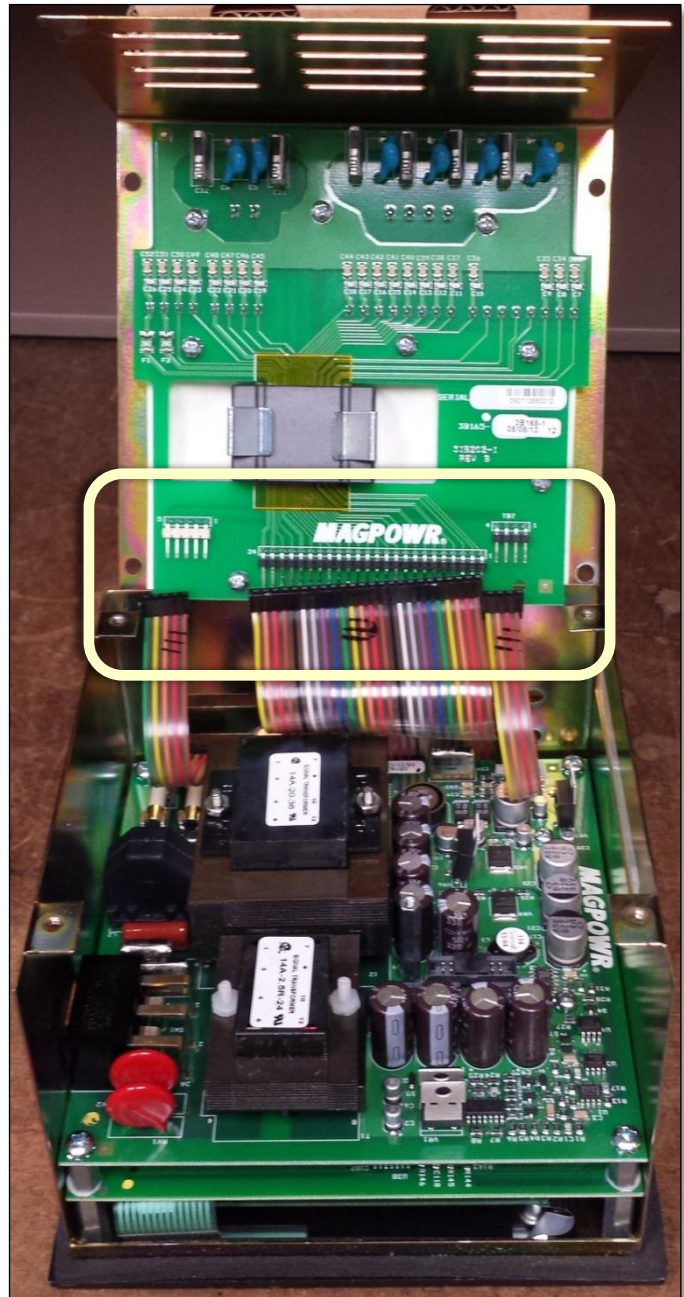
Replace seven screws and star washers to secure the top PCB.

Note that the two smaller screws are used where indicated by the squares.



# 8

Reconnect the three ribbon cables to the PCB on the back cover of the Cygnus.

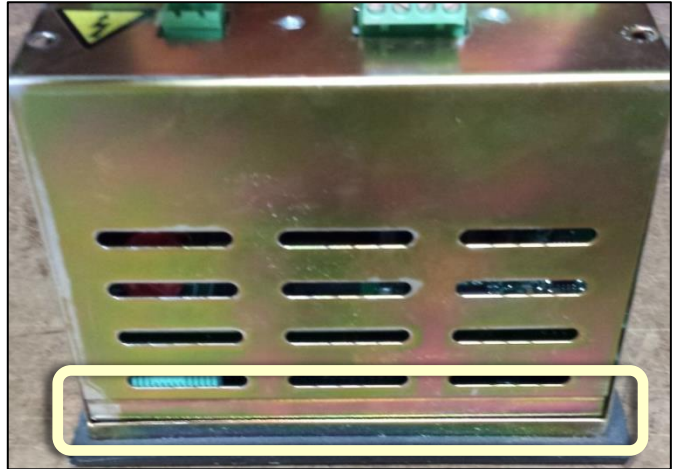


## INSTALLING THE NEW DISPLAY

9

Reinstall the back of the Cygnus, making sure the top slides into the bezel.

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10

Reinstall four screws and star washers.

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