Removing hkps from rack-mount PS.

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Make sure the disconnect for the rack you are working in is locked out before proceeding with this procedure.

You are removing the bottom plate of a p.s. with the housekeeping p.s. attached to it. This will weigh roughly 15lbs all together.

If there is a small panel mounted under P.S., remove it.

Remove metal and plastic cover on front of p.s. Then remove fiber optic cables making note how they are labeled and where they go. You can look at another p.s. if you need to see how to re-connect them up.

Look for screw(s) holding p.s. in rack, remove them, and open rear door of rack. Rack out p.s. slowly making sure no cables get caught up inside rear of rack or fiber optic cables in front. Not all p.s.'s rack out smoothly. Some get caught on screw heads.

Remove the 4 bottom front (2 on each side) flathead screws that are helping hold up the bottom plate. See diagram- Screws labeled "remove first".

The side panels do not get removed because they will help keep the 3u chassis up from falling down. They will need to be removed during re-installation of hkps.

If small lab jack is available, place it under p.s., and jack it up some to hold bottom plate up for you. Place jack towards middle-rear of p.s., because that is where the housekeeping p.s. is located. Thus, the weight is towards the rear.

Look at hkps diagram to get acquainted with connector layout. You need to only remove those connectors on the diagram.

Note-for smallest ps (200A) only----now remove the 2 **Larger flathead screws (10/32) at bottom left rear corner. They are holding a heatsink onto the bottom plate you are removing.

If using the jack- remove the bottom "outside perimeter" flat head screws (5 of them).

Collapse jack very little to lower plate with hkps on it. Look for cable tie mount at rear inside of bottom plate to hang you up, when lowering the plate. Just rip it off or cut ty-rap.

Lower plate just enough to remove connectors. Remove all connectors indicated on hkps picture from hkps. Do not remove blue wire going from one side of hkps to the other. Collapse jack fully and remove it, lowering plate to floor.

When removing plate with hkps on it from under ps, watch out for wires catching up on hkps when removing it.

**Note for smallest (200A) only----locate heatsink and tilt it to let 10-32 nuts to fall out of it. Reserve all screws and nuts in a cup(s).

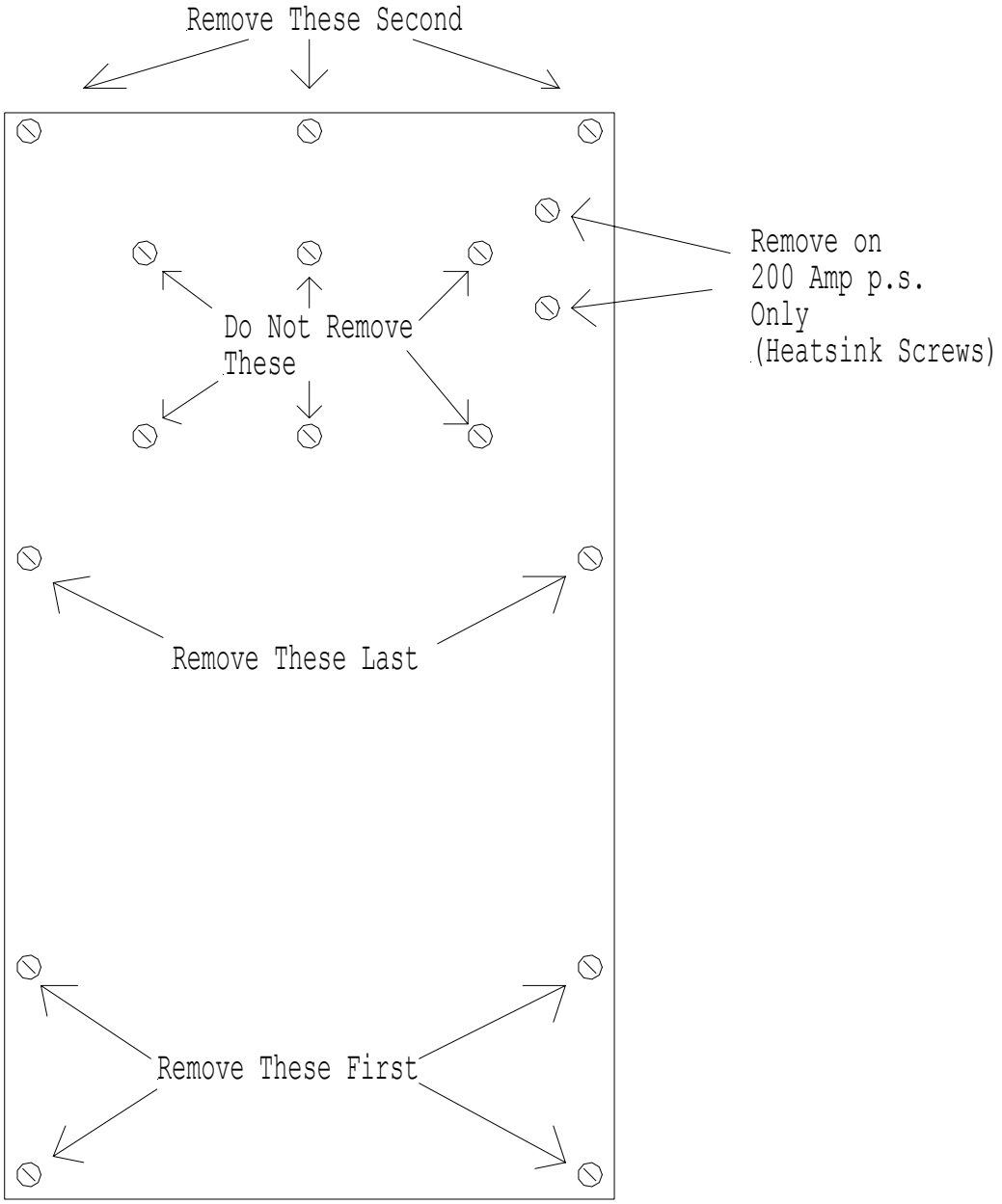
Push PS back into rack, but watch out for wires and heatsink dangling from bottom of ps do not get crushed in any way.

To re-install do reverse of this, but you will need to remove side panels to hook up wires.

Plug	Backplane Connection
J105	J10
J114	J9
J106	J11
J113	J12
(Cable D-40)J115	J13
J107	J14
J108	J15
J109	J16
J110	J17
J111	J18
Ground Wire	

Bottom Plate of Dynapower P.S. that holds House Keeping P.S.

Bottom View



Front

hkpsBottomPlateDrawing.skf
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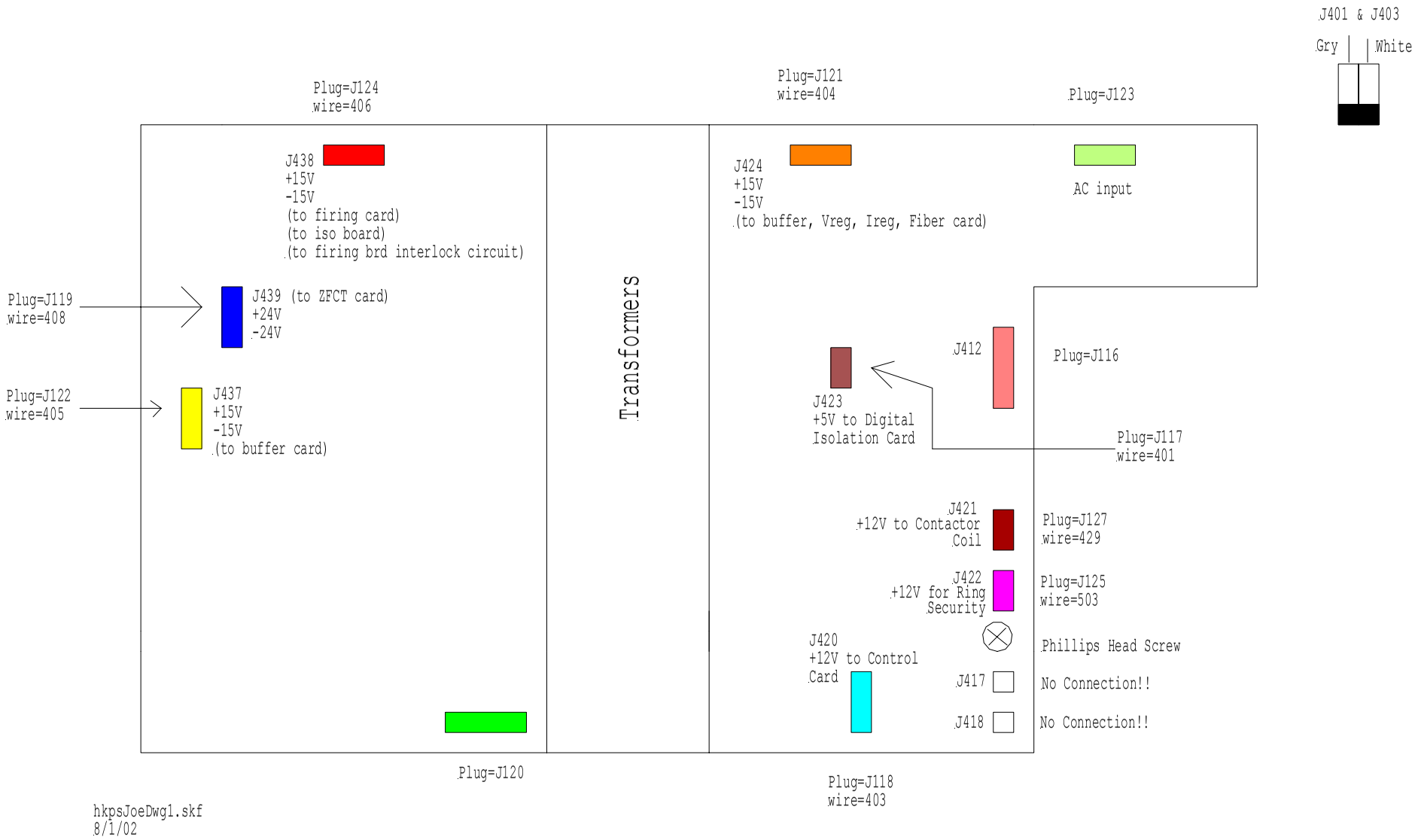

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