

ML-116 PSA Power Supply Troubleshooting

CAUTION: ALWAYS REMOVE AC POWER BY UNPLUGGING THE POWER CORD BEFORE OPENING POWER SUPPLY AND REPLACING FUSES.

Please read this **BEFORE** attempting any repairs.

Always power down when plugging an unplugging any components, modules and wall plates. **DO NOT "HOT PLUG"**. Do this between all the steps below.

The 5 volt indicator LED on the ML-PSA will be out in this condition. A blown 5 volt (5 amp) fuse usually indicates a short or mis-wire on the wall plate cabling. Fuses also can blow as a result of installing or removing the wall plate while it is powered. Use the procedure below to isolate this condition.

The attached illustrations show fuse locations on the ML-PSA PC board. Remove the six cover screws and cover to access the PC board. Replace the 5 volt fuse as shown on the attached sheet. There is a spare fuse on the power supply pc board. After replacement, turn on the power supply with the output cable disconnected from the REG card on the ML-116 ACU rack. See if all the lights on the power supply are lit.

Before attempting to operate the ML-116 you should first try to isolate a potential short by reconnecting each load one at a time. If the fuse blows after a component is plugged in, suspect a short on that component. It is a good idea to have spare fuses on hand. Contact FSR for replacement fuses if they cannot be obtained locally.

Always power down when plugging an unplugging during these steps:

Remove all the wall plate connectors from the CPU card.

Pull back all of the cards in the rack so that they are not connected. It is not necessary to remove them completely.

Attach the power supply to the "REG" card first.

If the three power indicator LED's stays on

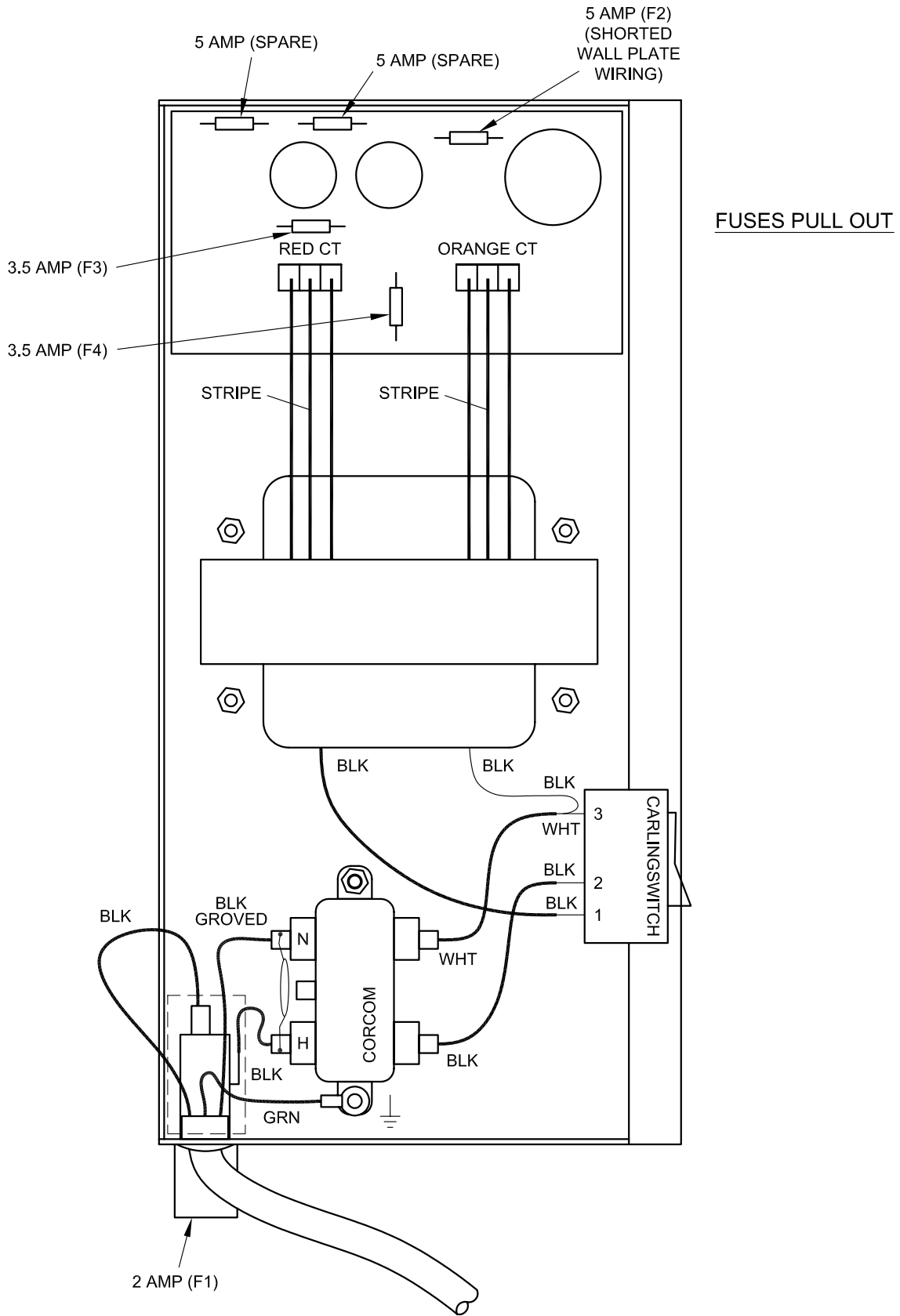
Plug in the "REG" card

Then plug in the CPU card

Then the other cards one at a time

Finally, the wall plate lines one at a time. If plates are "daisy chained" you will have to test them one by one if that branch is suspect.

If all goes well and the new fuse does not blow try to operate the system. You should be back to "normal" operation. This is a good way to isolate a short in the system and is well worth the time. Be very careful not to connect the power supply connector into any of the wall plate bus connectors.



ML-PSA / ML-PSB FUSE REPLACEMENT INFO

| | | |
|-------|------|------|
| 25252 | 3.5A | FUSE |
| 25320 | 5.0A | FUSE |