



TECH NOTE

VICON TECHNICAL SERVICES GROUP

Subject: CPU PCB Replacement
Product: V1466
Number: 1400-0001-13-00
Date: 07/05/01

V1466 CPU PCB Replacement

Removal and replacement of the CPU printed circuit board from the V1466 Nova™ *PowerPlus* Digital Control and Switching System is not difficult but some care is required to prevent component damage.

There are two styles of V1466 chassis', early and late, and removal varies between these styles. To determine which style you have, look at the rear of the matrix card cage (upper left corner) and see if the hexagonal threaded spacer nuts of the D-shell connectors can pass through the chassis without being removed. If so, this is a late style chassis and you may proceed to Section 2.

Section 1 - Early Style:

Caution: *Use appropriate procedures when handling electrostatic sensitive devices!*

1. Turn the power off to the matrix cage and disconnect the power cord from the unit.
 2. Remove any connectors at J1, J2, J3, J4, J9, J11, and the Status Display BNC connector.
 3. Remove the front panel cover from the card cage and, if there are V6610S video input cards in the card slots immediately adjacent to the CPU, remove one or two for easier access.
 4. Disconnect the two power supply connectors from J-5 and J-6 of the CPU PCB.
 5. At the rear, remove the threaded hexagonal spacer nuts and lockwashers from the J1, J2, J3, J4, J9, and J11 D-shell connectors.
 6. Remove the nut and washer from the BNC connector. Remove the Phillips head screw directly below J-9. Retain all hardware.
 7. If possible, remove the L-shaped bracket from the right side of the matrix card cage behind the CPU card. If the bracket mounting screws are not accessible, proceed to the next step.
 8. Gently pull the CPU card forward. There is one 25-pin D-shell connector at the rear of the PCB which may need some assistance in disconnecting. Place your hand at the rear of the card to help separate the connection.
 9. The card may now be removed. If the L-shaped bracket was not removed in step 6, guide the CPU card over the bracket slowly to prevent damage to the rear side of the circuit card.
- Reinstall the card in the reverse order.

Section 2 – Late Style:

Removal of the CPU card from a late style chassis is the same as above with the exception that Step 5 is not necessary.