

PROCESSOR TYPE PDP-11 Family

5409267-00001 CODE: D

JUN-72 - PROBLEM: Voltage rise of +5V output during crowbar activation is too high for use with DX11.
CORRECTION: Change SCR Q27 to #15-10897 and short out resistor R44. Mounting bracket #53-09942 will be used to mount the new SCR.
In-plant effectivity -03 rework boards used with DX11 only.

5409267-C0002 CODE: F CS: B

NOV-72 - PROBLEM 1: DC LO circuitry is too sensitive to voltage change, particularly in door mounted applications where distribution cables cause large IR drop between supply and load.
CORRECTION 1: Change diode D16 from a D662 to a D003 to reduce sensitivity in DC LO.
PROBLEM 2: High current loads may cause oscillation in the +5V driver circuitry.
CORRECTION 2: Add a 0.0022 ufd capacitor from the collector of transistor Q4 to ground.

NOTE 1: There will not be a relayout of the etched board, only a reworking of existing boards.

NOTE 2: Some H720 Power Supplies, CS revision "A" thru "D", have had this module field installed as a replacement for the original board, #54-08475. As a result, this FCO may be applicable to those supplies.
In-plant effectivity -02 phase-in
Field effectivity -Rework all 5409267's in H720 Power Supplies, CS revisions "E" and "F" and if used in CS revisions "A" thru "D".
(Time To Install And Test 1.0 Hour.) (Kit Contents --FCO/Prints And Parts)

5409267-00003 CODE: D CS: C

APR-73 - CORRECTION: Add #10-10621 as an allowable substitution for capacitors C7 and C8, #10-00030.
In-plant effectivity -06 -Documentation/design change

5409267-C0004 CODE: F CS: D ETCH: D

AUG-73 - PROBLEM: Transistor Q2 breakdown voltage is too low for the application, causing the regulator to be unstable and crowbar at high line voltage and/or at low load.
CORRECTION: Change transistor Q2 from DEC 3009B, #15-03100 to DEC 1008, #15-02155; change transistor Q4 from DEC 1008 #15-02155 to MPS A05 #15-10705; change resistor R9 from 3.9K #13-01500 to 2K ohms, #13-02388.
In-plant effectivity -03 * -Phase-in to production by 11/1/73 or sooner if parts available.
Field effectivity -Rework all #54-09267's when symptoms are present
(Time To Install And Test 2.0 Hours.) (Kit Contents -F976 -FCO/Prints And Parts)

5409267-00005 CODE: P CS: E

SEP-73 - PROBLEM: Several documentation errors have been found in the Parts List.
CORRECTION: Change Item #38 from #13-01316 to #13-03179; Change toleran in Item #12 from 10% to 20%; Change Item #62 from #12-09340-01 to #12-09340.
In-plant effectivity -06. Correct documentation as soon as possible and correct Bill of Materials if necessary.