



725

TU56 Power Supply

PROCESSOR TYPE All

725-00001 CODE: D

FEB-70 - PROBLEM 1: Chassis not properly insulated from main chassis.

CORRECTION 1: Added insulation strips to chassis.

CORRECTION 2: Change hardware to facilitate replacement of rectifier bridges.

CORRECTION 3: Improved mounting of resistors R1 and R2.

CORRECTION 4: Changed location of power connectors to facilitate maintenance.

In-plant effectivity -Phase-in

725-00002 CODE: D

FEB-70 - PROBLEM: Decals have inconsistent quality and high cost.

CORRECTION: Layout artwork as it will be on supply; artwork will be silk screened onto the supply. "110 VAC" and "220 VAC" are to remain as decals. Artwork will be white on black.

In-plant effectivity -Phase-in

725-00003 CODE: M

JUN-70 - CORRECTION: Silk screen B-SS-5308605-0-1 is to have the following information on it: "CONNECT EITHER +10 OR +5 LINE -NOT BOTH".

In-plant effectivity -Phase-in as of 6/19/70

725-00004 CODE: D

SEP-70 - PROBLEM: On silk screen B-SS-5308605-0-1 the 50/60 Hz designation is located over a hole in the 53-08605 chassis.

CORRECTION: Move the 50/60 Hz designation 3/8 inch to the left.

In-plant effectivity -Documentation/design change

725-00005 CODE: D

OCT-70 - PROBLEM: Terminals on the 35,000 mfd capacitor, #10-0098, are too high.

CORRECTION: Change capacitor to #10-0098-01 which has the same characteristics except it has a 3/32 inch high terminal instead of 5/16 inch.

In-plant effectivity -Phase-in

725-00006 CODE: D CS: A

DEC-70 - PROBLEM: Present method of wiring the 725 Power Supply is time consuming.

CORRECTION: The #70-06999 harness has been designed for use in the 725. The harness, along with other minor changes, must be added to the 725 Parts List and Unit Assembly drawings.

In-plant effectivity -06 documentation/design change

725-00007 CODE: D CS: B

JAN-71 - PROBLEM: Wires are cut out of the harness in order to modify the 725 for 220 VAC input.

CORRECTION: Have transformer vendor add tabs 1A and 4A. Change harness #70-06999 so that removal of one jumper and a location change of one end of one wire connector changes supply input requirement from 110 to 220 VAC.

In-plant effectivity -01 phase-in

725-C0008 CODE: F CS: C

AUG-71 - PROBLEM 1: With the left transport operating under program control, and the right transport moving tape in LOCAL control, an excess of data errors were committed. In a few units, with both right and left transports under program control, the data errors exceeded specifications.

CORRECTION 1: A ground loop between the motor supply ground and the logic supply ground was found to be the factor that caused the error condition. To correct the condition, the logic ground must be disconnected on all G848 modules in the TU56, by cutting the etch on these modules at pins AC2 and BC2. A jumper must be added in the 725 Motor Power Supply between the motor supply common and logic supply ground lug on the back of the 725. Reference ECO G848-00007.

PROBLEM 2: AC ground to chassis is inhibited by paint.

CORRECTION 2: Add note to mask the holes around AC connectors.

NOTE 1: Field Service should be aware that the paint must be scraped off the inside of the AC receptacle mounting position to make a good connection between the ground wire of the AC cord and chassis.

NOTE 2: It is imperative that all TU56's on a single system be modified at the same time. This also applies to any TU56 which has this FCO being added to a system having units without it.

In-plant effectivity -03 retrofit immediately

Field effectivity -Retrofit all 725's as required

(Time To Install And Test 3.0 Hours.) (Documentation \$ 5.00 , Parts \$.50) The DEC on-site labor charge will be the time required to install and test the FCO at the then current hourly rate. (Kit Contents -FCO And Parts)

725-00009 CODE: D

JAN-73 - PROBLEM: Rating of 725 Power Supply is not in accordance with Underwriter's Laboratories standards.

CORRECTION: Re-rate the 725 Power Supply to 1.40 KVA and the convenience outlet to 1.05 KVA

In-plant effectivity -03 *: Units must have UL approved rating by 1/31/73.

725-B0010 CODE: F CS: D

MAR-73 - PROBLEM: The 220 VAC version of the 725 Power Supply is improperly fused. A short on the 18 volt secondary winding could damage the transformer and create a fire hazard.

CORRECTION: Change 3A slow blow line fuse to 1.5A slow blow fuse on all TU56's configured for 220 VAC operation. Add decal above fuse giving proper fuse value.

In-plant effectivity -03 retrofit immediately; put 1.5A slow blow fuse into TU56's operating at 220 vac; add decal.

Field effectivity -Retrofit all 725's in 220 VAC TU56's

(Time To Install And Test 3.0 Hours.) (Kit Contents -FCO/Prints And Parts)

725-00011 CODE: D CS: E

JUL-73 - PROBLEM: The TU56 uses 125 VAC plugs on both 250 VAC and 125 VAC units.

CORRECTION: Alter power supply to allow use of both 250 VAC and 125 VAC plugs. Create new 230 VAC version of 725 Power Supply, 725-A.

In-plant effectivity -02 phase-in



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TU56 Power Supply

PROCESSOR TYPE All

725-C0012 CODE: F

NOV-73 - PROBLEM 1: Grounding in the TU56 supply allows 1.5 volt differential to exist between power and logic ground. This may induce Mark Track errors which cannot be attributed to bad heads, bad tape, bad read/write amplifiers, etc. Errors will be less frequent and may even go away if only one side of the dual drive is on. Also, there may be jerky motor operation; motors will turn but will vibrate excessively. It is expected that only extremely low number of TU56's will need to be retrofitted since only one occurrence of this problem has been encountered so far.

CORRECTION 1: Delete wire connecting power ground and logic ground; add wire at output terminals.

PROBLEM 2: Terminations at points 61 and 62 must be changed because of ECO 725-00011.

CORRECTION 2: Change termination of points 61 and 62 from #90-06781 to #90-07930 on the #70-06999 harness.

NOTE: The hardware required for field retrofitting differs from that to be utilized in-plant for future production: Parts required in the field are two each #90-07917 Solderless Connectors and #90-07193 Double Faston Tabs.

In-plant effectiveness -Phase-in on production machines. Field retrofit if intermittent mark track errors are occurring.

Field effectiveness -Retrofit all 725's in TU56's when symptoms are present.

(Time To Install And Test 1.0 Hour.) (Documentation \$ 5.00 , Parts \$.30)

The DEC on-site labor charge will be the time required to install and test the FCO at the then current hourly rate. (Kit Contents -PF1090 - FCO/Prints And Parts)