

PROCESSOR TYPE PDP-11 Family

**A320-B0001 CODE: F CS: C**

FEB-73 - PROBLEM: Miscellaneous engineering changes made it necessary to cut etch and add wires.

CORRECTION: Rework Limited Release model immediately to change incorporated by this FCO. This reworking will not be done in the field; modules will be exchanged.

NOTE: FCO's GT40-A0006, M7013-B0002, M7014-A0002, and M7014-B0003 are prerequisite to this FCO.

In-plant effectivity -03 rework must be made on all GT40 systems after serial #137.

Field effectivity -Exchange A320's in GT40 #1 thru #136.

( Time To Install And Test 1.5 Hours. ) ( Kit Contents -FCO/Prints And Parts )

**A320-00002 CODE: D CS: D ETCH: D**

FEB-73 - PROBLEM: IC numbers will be changed in new layout of module.

CORRECTION: Maintain a "C" revision Circuit Schematic for etch revision "B" boards. Create a new "D" revision Circuit Schematic to reflect the new etch revision "D" layout.

NOTE: See correction supplement ECO A320-0002A.

In-plant effectivity -02 phase-in

**A320-0002A CODE: D**

MAY-73 - PROBLEM 1: Sheet 6 of the Circuit Schematic was not updated by ECO A320-00002.

CORRECTION 1: Update sheet 6 to reflect etch revision "D".

PROBLEM 2: Jumpers were not on the Parts List.

CORRECTION 2: Add jumpers to Parts List.

In-plant effectivity -Unchanged

**A320-C0003 CODE: F CS: C1**

MAY-73 - PROBLEM: Error length in vectors.

CORRECTION: Add a 47 ohm resistor from clock input of E48 to ground. Add a 0.01 ufd capacitor from +5V to ground of E48.

NOTE: This FCO also replaces the Kep Nuts #90-06557, which secure transistors Q20 and Q42, with 4-40 hex nuts #90-06556 and internal tooth lock washers #90-06632.

In-plant effectivity -03 -Rework immediately

Field effectivity -Rework all A320's in all GT40's.

( Time To Install And Test 2.0 Hours. ) ( Kit Contents -FCO/Prints And Parts )

**A320-00004 CODE: D CS: E ETCH: E**

AUG-73 - PROBLEM: Certain etch runs on the etch revision "D" modules in production are in error.

CORRECTION: Update the digitized data base artwork to revision "E" and destroy all revision "D" artwork with etch errors. Rework revision "D" modules to equal the revision "E" version. All documentation is correct.

In-plant effectivity -03 \* -Rework all etch revision "D" modules and model in production and the assembly line.

**A320-C0005 CODE: F CS: F**

SEP-73 - PROBLEM 1: The positioning for the vector length range adjustment is insufficient for variations of component characteristics; the vector length gain potentiometer falls short of the desired value and cannot be adjusted for correct gain.

CORRECTION 1: Change Zener diode D27 to a 1N754A, 6.8V DEC #11-09991, to correct the positioning of the vector length range adjustment.

PROBLEM 2: Transistor Q41 is drawn incorrectly.

CORRECTION 2: Draw emitter at bottom of transistor.

PROBLEM 3: Variation to A6000.

CORRECTION 3: Add "A6000 or A6000YA" to Parts List.

CORRECTION 4: Make documentation changes to correct errors.

NOTE: This FCO creates CS revisions "C2" and "F".

In-plant effectivity -03 \* rework immediately and make changes to both sets of circuit schematics, one for etch revision "C" and one for etch revision "E".

Field effectivity -Rework all A320's

( Time To Install And Test 1.5 Hours. ) ( Kit Contents -F1028 -FCO/Prints And Parts )