

M7013-B0001 CODE: DF CS: A

NOV-72 - PROBLEM 1: Module etch errors and miscellaneous engineering changes made it necessary to cut etch and add wires.

CORRECTION 1: Rework Limited Release model immediately to changes incorporated by this FCO.

PROBLEM 2: Character ROM's in wrong order on modules, including Limited Release model.

CORRECTION 2: Generate new etch revision "B" with minimum wires. This correction is superseded in FCO M7014-B0002.

NOTE 1: No field reworking of M7013's is required; they are to be exchanged for the new etch revision "B" version. Replaced modules are to be returned to Maynard C/O Bob Corbiel, GT40 Production.

NOTE 2: FCO M7014-B0001 is a prerequisite to this FCO.

NOTE 3: See correction supplement FCO's M7013-B001A and M7013-B0002.
In-plant effectivity -03 rework immediately
Field effectivity -Exchange M7013's in GT40 #102 and #103.
(Time To Install And Test 2.0 Hours.) (Kit Contents -FCO/Prints And Parts)

M7013-B001A CODE: DF

JAN-73 - PROBLEM 1: If a line feed is placed into a character instruction that is before a zero length vector instruction, the logic will fail.

CORRECTION 1: Clear the CHARACTER BUFFER REGISTER with LOAD MODE pulse before each DATA MODE INSTRUCTION is operated on. Supplement FCO M7013-B0001 only one model Maynard, also documentation changes to Circuit Schematics.

PROBLEM 2: No split lugs for coax cable.

CORRECTION 2: Add split lugs for coax cable on new etch B only.

In-plant effectivity -Unchanged

Field effectivity -Unchanged

M7013-B0002 CODE: F CS: B ETCH: B

FEB-73 - PROBLEM: M7013 prints and the module must be updated to current engineering changes.

CORRECTION: Retrofit Limited Release model immediately and incorporate all changes in new etch revision "B" created by this FCO, stopping new etch change ordered by FCO M7013-B0001. M7013's in the field are to be exchanged for boards reworked in-plant to this new CS revision, "B".

NOTE: The addition and deletion of wires on the back plane and an etch cut on the etched back plane are required; reference FCO GT40-A0006. That change must be made before the reworked boards are installed. FCO's M7014-A0002, M7014-B0003, and A320-B0001 are also prerequisite.

In-plant effectivity -03 rework immediately

Field effectivity -Exchange M7013's in GT40's #1 thru #136.

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

M7013-00003 CODE: D CS: C ETCH: C

JUL-73 - PROBLEM: Module cannot be completely reset which causes problems in XOR testing.

CORRECTION: Rework all etch revision "B" boards and change circuitry and relayout etched board to new revision "C" to reset all necessary conditions.

NOTE: See correction supplement ECO's M7013-0003A and M7013-0003B.

In-plant effectivity -Rework all etch revision "B" M7013's

M7013-0003A CODE: D

JUL-73 - PROBLEM: Etch error: CCL2 GO CLK L is clocking the character output register.

CORRECTION: Cut etch and wire in CCL2 GO CLK H.

In-plant effectivity -Unchanged

M7013-0003B CODE: D

SEP-73 - PROBLEM: There is an error in ECO M7013-00003, Item 3, "Add wire from E103 pin 14 to E49 pin 2".

CORRECTION: Remove wire running between E103 pin 14 and E49 pin 2. Add wire from E103 pin 14 to E107 pin 9 M D CHARACTER H.

In-plant effectivity -Unchanged

M7013-A0004 CODE: F CS: D

OCT-73 - PROBLEM: Possible error after resume.

CORRECTION: Clock the TD JAM DPC flip-flop with TD NPR REQ 1 H. The rework procedure is as follows: For etch revision "A": Remove the wire between E3 pin 12 and E73 pin 6. Add a wire from E73 pin 6 to E3 pin 5. For etch revision "B": Remove the wire between the "3" feed holes. One of these holes is located between chips E2 and E3, the other between chips E73 and E74. Add a wire from the "3" feed hole between E73 and E74 and connect to the first feed-thru from E3 pin 5.

In-plant effectivity -Rework all etch revision "A" and "B" modules immediately

Field effectivity -Rework all M7013's in all GT40's

(Time To Install And Test 1.0 Hour.) (Kit Contents -F1064 -FCO/Prints)