DIGITAL	FCO	CATEGORY [F]	PAGE 1 OF 8

FIELD CHANGE ORDER	NUMBER: MT10A-F001

APPLICABILITY: This "F" coded FCO should be installed on all MT10A-AA and and MT10A-AB systems per revision chart on page 2. This FCO will change the revision of the MT10A systems to "B04".

PROBLEM & SYMPTOM: Some DECpos units were shipped to the field under waiver to meet customer requirements and need to be upgraded to revenue quality. These units have rev. "D01" power supplies which seem to be working adequately. These units while needing upgrade should have a lower priority than revenue units shipped with rev. "E01" power supplies may have problems starting up when option cards are installed. The symptom is a locked keyboard or a blank CRT screen. Many of the revenue units are awaiting installation. The FCO should be co-ordinated with the installation to reduce the cost of effecting the FCO and to avoid possible customer satisfaction issues. Parts will be available from stockroom 17. Factory P1 orders should not be necessary.

SOLUTION: Replace the 54-22408-01 logic card, the 54-22410-01 I/O card, the H7891 Power supply and the MTXLA-AA keyboard as required on these units.

QUICK CHECK: Check for the following revisions:
MT10A-AA or AB, rev. B04
54-22408-01 Logic Card, rev. D02   H7891 Power Supply, rev. F01
54-22410-01 I/O Card, serial tag AS   MTXKA-AA Keyboard, rev. A02

PRE/CO-REQUISITE FCO: N/A	MFIT HRS 1.0 hr

TOOL/TEST EQUIPMENT: Field Service Tool Kit

FCO PARTS INFORMATION

FCO KIT NO.	DESCRIPTION OF CONTENTS
EQ-01679-01	1 54-22408-01 Logic Card
EQ-01679-02	1 54-22410-01 I/O Card
EQ-01679-03	1 H7891 Power Supply and 1 Tie Wrap
	1 36-24490-01 Sticker
EQ-01679-04	1 MTXLA-A Keyboard
FA-05015-01	1 FCO Document

FCO CHARGING INFORMATION (See Last Page)

TECH. ENGINEER	ENG. BUSINESS MGR.	DS LOGISTICS	DS PRODUCT SAFETY
Doug Zielinski	Herb Cline	Bill Sergeant	Robert Brister
Ed Sonn			
PUBLISHING	PARTS AVAILABILITY	FCO REVISION	FCO RELEASE DATE
Brenda Rogers	July 1993	A	11 August 1993

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Applicabiltity (Continued)

Parts Affected:

H7891 Power Supply: Replace any unit of rev. "E01" or lower. The power
   supply must be removed from the unit to see the
                rev. level.

Logic Card 54-22408-01: Replace any unit of rev. "D01" or lower. An easy
   way to determine the rev. level without taking the
   machine apart is to read the DECpos rev. level
                from the boot-up screen. Replace any board with
   DECpos V1.01 or lower.

Keyboard MTXLA-AA: Replace all units rev. "A01" because they may
                 experience a keyboard bounce problem.

I/O Card 54-22410-01:   This is the small card at the right rear of the
                  unit with the I/O port connectors. Any unit with
   a ML serial number is suspect due to a process
   problem in manufacture. Units with AS serial tag
   are OK.

MT10A Chassis: Affix sticker and write "B04" on it. If you do
   not have a sticker, cross out the rev.
   number on the serial tag with a pencil and write
   in the new rev. level below and cover with scotch
   tape.

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Instructions for Replacing ONLY the Power Supply

Note: Applies to all units shipped between May 20 and July 16 having
      serial numbers in the range KA 321***** to KA329***** which have
      rev. "E01" power supplies. To avoid having to make a separate
      visit to replace the power supply, the replacement should be
      done concurrent with installation. Priority should be given to
      the replacement of rev. "E01" power supplies as the rev. "D01"
      supplies do not have the start-up problem. Some of the
      pre-revenue units shipped in early May require only that the
      rev. "D01" power supply be replaced.

   1.   Ask the customer to open the drawer, remove the money tray,
         and leave the drawer open.

   2.   Ask the customer to save his data and shut the machine off.

   3.   Remove the rear cover of the system unit, unplug the AC
         power cord, the power cord for the monitor, and the power
         cord for the printer.

   4.   Place the keyboard across the open drawer so the top of the
         drawer cabinet is clear.

   5.   Place the monitor to the side of the machine, or carefully
         atop the printer, so the system unit cover can be removed.

   6.   Using a #2 Phillips screwdriver, loosen the captive screws
         that secure the cover and slide the cover forward to remove it.

   7.   Unplug the multi-color ribbon cable from the front of the
         logic card.

   8.   Using the Phillips screwdriver, remove the two screws which
         secure the power supply to the chassis (one is in the rear
         near the +24V connector and the other on the right side
         near the fan).

   9.   Remove the power supply by pulling it forward from the
         chassis.

  10.   Remove the battery from the power supply being replaced,
         transfer it to the new supply, and secure it with the tie
         wrap provided. >>>> Do not connect the battery at this time.

11.   >>>>>> Check that the supply voltage selector switch on the
      rear of the power supply is set for 115 V or 230 V as
      required for your location. Slide the replacement supply
      into the chassis and secure it with the two screws.

12.   Connect the multi-colored flat cable to the logic card.

13.   Be sure that the power switch is in the OFF (out) position.

14.   Connect the monitor AC cord, the printer power cord, and the
      AC power cord, in that order.

15.   See that the system boots properly, and that the customer
      display and printer can execute the self tests. If not,
      re-check all connections and consult the trouble shooting
      guide.

16.   Turn on the AC and then connect the battery.

17.   Shut off the AC.

18.   Affix the sticker to the DECpos chassis just below the serial
tag and write "B04" on it, or write "B04" on the serial tag
with a pencil and cover with scotch tape.

19.   Replace the cover of the system unit and secure the captive
      screws.

20.   Return the monitor and keyboard to their normal operating
      positions and dress the cables as necessary.

21.   Replace the rear cover of the system unit.

Instructions for Power Supply, Logic Card and I/O Card

      Note: Applies to pre-revenue units. Items to be replaced
             vary by date of shipment.

 1.   Ask the customer to open the drawer, remove the money tray,
      and leave the drawer open.

2.   Ask the customer to save his data and shut the machine off.

3.   Remove the rear cover of the system unit. Be sure to note
      the position of any cables plugged into serial ports
      1, 2, A, B, and C, and tag if necessary to insure correct
      replacement. Unplug all cables from the rear of the system
      unit.

4.   Place the keyboard across the open drawer so the top of the
      drawer cabinet is clear.

5.   Place the monitor to the side of the machine or carefully
      atop the printer so the system unit cover can be removed.

6.   Using a #2 Phillips screwdriver, loosen the captive screws
      that secure the cover and slide the cover forward to remove
it.

7.   Unplug the multi-color ribbon cable from the front of the
      logic card.

8.   Using the Phillips screwdriver, remove the two screws which
      secure the power supply to the chassis (one is in the rear
      near the +24V connector, and the other, on the right side
      near the fan).

9.   Remove the power supply by pulling it forward from the
      chassis.

10.   If no battery was received with your replacement supply,
       remove the one from the unit being replaced and use it.
>>>> Do not connect the battery at this time.

11.   >>>> Check that the supply voltage selector switch on the
       rear of the power supply is set for 115 V or 230 V as
       required for your location. Slide the replacement supply
       into the chassis and secure it with two screws.

12.   Attach your ground strap!!!

13.   Note the position of any option cards and remove them from
       the ISA slots.

14.   Disconnect and remove the loudspeaker.

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15. Disconnect the floppy and hard drive cables if these options
    are installed. Loosen the captive screws which secure the
    disk bracket and remove the bracket assembly.

16. Loosen the captive screws which attach the ISA support
    bracket to the chassis and remove the ISA support bracket.

17. Note the location of the flat head screws which secure the
    logic card. Remove the screw attaching the I/O card and the
    five screws attaching the logic card to the chassis.

18. Remove the logic card (the I/O card comes with it).

19. Transfer the SIMMs from the old logic card to the new one.
    Check that all jumpers on the new logic card are identical
    with those on the card being replaced.

20. If there is a new I/O card, plug it into the connector on the
    logic card, otherwise transfer the original I/O card to the
    new logic card.

21. Install the logic card and secure it and the I/O card with
    the six screws being sure to put the flat head screws in the
    same location from which they were removed.

22. Re-install the ISA card and secure the captive screws.

23. If a new floppy shield was provided and the old shield is
    the type that has bent up tabs, remove the floppy shield by
    loosening the screws at the side of the floppy and slipping
    the bracket off. Re-tighten the screws on the side that has
    two mounting tabs. Remove the screw on the side that has one
    tab and install the spacer washer and gently re-tighten.

24. Install the new floppy shield with the three screws provided.

25. Re-install the disk bracket assembly and connect the cables
    to the logic card.

26. Re-install the loudspeaker.

27. Connect the multi-colored ribbon cable from the power supply
    to the logic card.

28. Re-install the option cards.

29. Make sure that the AC switch is in the OFF (outward)
    position.

30. Connect all the cables, or if you prefer, just the power
    cord, monitor, and keyboard cables.

31. Turn on the AC and see if the machine will boot. If the
    configuration stored in the CMOS is different from the
    installed configuration, you will have to set up the BIOS
    screen. See the User's Guide for instructions.

32. If the unit does not come up, turn off the power and
    re-check all steps. Follow the trouble shooting procedures
    in the Service Guide.

33. Turn on the AC and then connect the battery.

34. Shut off the AC.

35 Affix the sticker to the chassis just below the serial tag
    and write the new rev. "B04" on it or write on the serial tag
           with a pencil and cover with scotch tape.

36. Replace the cover of the system unit and secure the captive
    screws.

37. Return the monitor and keyboard to their normal operating
    positions and dress the cables as necessary.

38. Replace the rear cover of the system unit.

39. Report this FCO activity on the LORES form in the "Fail Area/
           Module/FCO/Comments" column as follows: FCO MT10A-F001
           (See Page 8).

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                              LORES

                      USA   GIA   EUROPE

Activity -
(a)Contract   W   U   K
   Warranty   W   U   W

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    (b)IN-DEC Contract            K               U               A
       Non Contract/Non Warranty  F               F               F
    (c)RTD/Off-site Agreement     F               U               F


       Hardware Segment Code      111             111             111
       Product Line               031                             031

    DEC Option                    MT10A-AA/AB     MT10A-AA/AB     MT10A-AA/AB
    Option ID                     X               N/A             N/A
    Type of Call                  M               M               M
    Action Taken                  D               D               I/V
    Fail Area-Module-FCO-Comments MT10A-F001      MT10A-F001      MT10A-F001
    Material Used                 EQ-01679-XX     EQ-01679-XX     EQ-01679-XX
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(a) Warranty Optimum, Warranty Standard and Warranty Basic (on-site)
    Agreements; * Note material (only) free of charge for all customers.

(b) Applies to IN-DEC Area Only

(c) RTD=Return to Digital or Off-site Agreements; If Field Engineer
    On-site, use Activity Code "F".

FCO CHARGING INFORMATION								
WARRANTY/CONTRACT				NONWARRANTY/NONCONTRACT				
ON-SITE		OFF-SITE		ON-SITE		OFF-SITE		MATERIAL ONLY
TRAVEL/ INSTALL	EQ KIT	INSTALL	EQ KIT	TRAVEL/ INSTALL	EQ KIT	INSTALL	EQ KIT	ORDER-ADMIN,HANDLING PKG,SHIPPING & EQ KIT
DEC	DEC	DEC	DEC	CUS	CUS	CUS	CUS	CUS