digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

DEC-O-LOG Engineering Change Order Log

CD11

DMA Card Reader

PROCESSOR TYPE PDP-11 Family

CD11-00001 CODE: P DD: A
MAY-72 - CORRECTION: Enter correct drawing number and titles on CD11 Drawing Directory.
In-plant effectivity -06 documentation change only

CD11-00002 CODE: P DD: B
MAY-73 - CORRECTION 1: Correct miscellaneous documentation errors.
CORRECTION 2: Add Accessory and Software Lists, Checkout and Acceptance Procedures to the CD11 print set.
In-plant effectivity -06 documentation change only

CD11-00003 CODE: P DD: C WL: A
JAN-73 - PROBLEM: Wire List is incorrect and does not match print set or existing back panels, which are correct.
CORRECTION: Update Wire List to make it agree with existing back panels.
In-plant effectivity -06 documentation change

CD11-B0004 CODE: F DD: D WL: B
FEB-73 - PROBLEM 1: END OF FILE circuit does not work.
CORRECTION 1: Create new reset for **EOF** signal.
PROBLEM 2: A card is fed on power-up and power-down of the processor if card reader remains on.
CORRECTION 2: Gate **INIT H** with the **READ COMMAND** signal.
CORRECTION 3: Correct documentation errors.
CORRECTION 4: Add CD11-EA and CD11-EB options to documentation.

NOTE: See correction supplement FCO CD11-B004A.
In-plant effectivity -03 -Retrofit immediately
Field effectivity -Retrofit all CD11's
(Time To Install And Test 2.0 Hours.) (Kit Contents -F781 -FCO/Prints)

CD11-B004A CODE: F
FEB-73 - PROBLEM: FCO CD11-B0004 has an incorrect entry on the ADD/DELETE sheet.
CORRECTION: Change **CD08 BBSY L** , D04V2 to D04J1, DELETE to **CD09 BBSY L** , A02V2 to D04J1, DELETE .
In-plant effectivity -Unchanged
Field effectivity -Unchanged

CD11-B0005 CODE: F DD: E WL: C
FEB-73 - CORRECTION 1: Correct documentation errors.
PROBLEM 2: BUSY bit as a status bit is not useful, but HOPPER CHECK would be.
CORRECTION 2: Change CDST bit 2 from BUSY to HOPPER CHECK . The ADD/DELETE's are as follows: DELETE C02T2 to F01E1; ADD F01E1 to C04P1.
In-plant effectivity -03 retrofit immediately
Field effectivity -Retrofit all CD11's
(Time To Install And Test 1.5 Hours.) (Kit Contents -F766 -FCO/Prints)

CD11-B0006 CODE: F DD: F WL: D
FEB-73 - PROBLEM: Data from the Card Reader is not guaranteed to be good after 240 usec after the Index Marker and, the Data Late condition from the control doesn't occur until 480 usec after the Index Marker.
CORRECTION: Rework the Data Late circuit to indicate an error after 240 usec. The ADD/DELETE's are as follows: DELETE F02S1 to F02T1, F02H1 to F02L2, F02L2 to F02S1, E03H2 to E03N2, E03N2 to F03R1 ; ADD F02L2 to F02P1, F02R1 to F02T1, F02H1 to F02L2, F02P1 to F02R1, E03N2 to F02S1, F03R1 to F02T2, and E03N2 to F03R1.

NOTE: See correction supplement FCO CD11-B006A. The ADD E03N2 to F02S1 is changed to C02N2 to F02S1.
In-plant effectivity -03 -Retrofit immediately
Field effectivity -Retrofit all CD11's
(Time To Install And Test 2.0 Hours.) (Kit Contents -F972 -FCO/Prints And Parts)

CD11-B006A CODE: F
MAR-73 - PROBLEM: The ADD/DELETE sheet for FCO CD11-B0006 has an incorrect entry.
CORRECTION: Change ADD/DELETE sheet as follows: Change **CD08 INDEX MARK H** E03N2 to F02S1, ADD , to **CD08 INDEX MARK H** C02N2 to F02S1, ADD .
In-plant effectivity -Unchanged
Field effectivity -Unchanged

CD11-00007 CODE: P DD: H
APR-73 - CORRECTION: Add an in-plant and customer Acceptance Procedure for the CD11 to the Drawing Directory.
In-plant effectivity -06 documentation change only

CD11-B0008 CODE: F DD: J WL: E
JUN-73 - PROBLEM: When powering-up the CD11, oscillations on the INDEX MARK line cause NPR cycles. This will cause system software to crash.
CORRECTION: Change the "FO3MI " Wire List run name to "CD06 STOP NPRS H " and add to NPR circuit. The ADD/DELETE's are as follows: DELETE F02H1 to F02L2, F02P1 to F02R1, F02L2 to F02P1, F02R1 to F02T1; ADD F02L2 to F02T1, F02H1 to F02L2, F02P1 to F02R1 and D04L2 to F02P1.
In-plant effectivity -03 retrofit immediately
Field effectivity -Retrofit all CD11's
(Time To Install And Test 1.0 Hour.) (Kit Contents -F907 -FCO/Prints

CD11-B0009 CODE: F DD: K WL: F
OCT-73 - PROBLEM: The signal **BUS NPR L** , used in circuit to improve NPR latency, is missing from the back panel. The missing sign prevents the BG4 from passing through the CD11 to other devices and as a result of this, no devices on BR4 after the CD11 will interrupt.
CORRECTION: Add the missing wire E02U2 to E02J1.
In-plant effectivity -Retrofit all CD11's
Field effectivity -Retrofit all CD11's
(Time To Install And Test .5 Hour.) (Kit Contents -F1047 -FCO/Prints