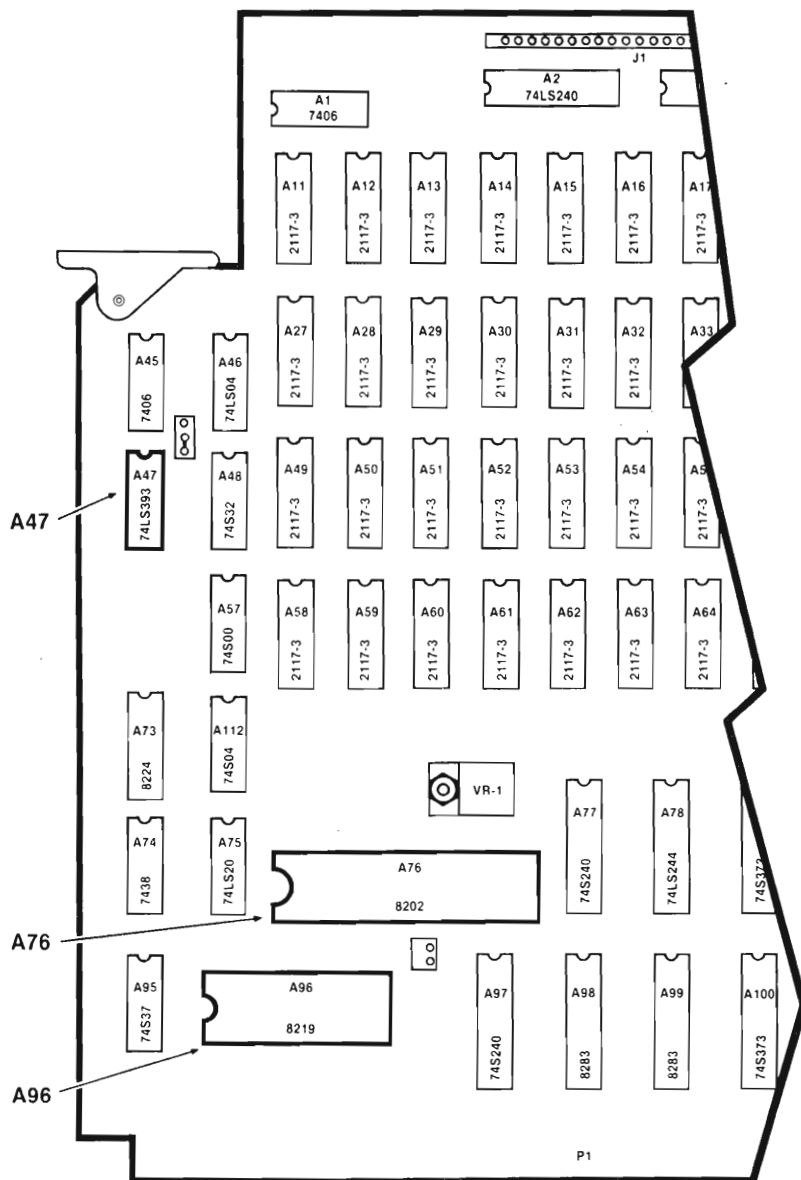**intel**

Dear Customer:

In keeping with our committment to protect your investment in Intel microcomputer development systems, several minor modifications may be necessary to your Series II to ensure compatibility with the Series III environment. Included within this accessory kit are several components that may be needed to replace existing socketed components on both the 8085-based IPC (integrated processor card) and IOC (input/output controller) assemblies within your Intellec Series II development system. The six components packaged in this accessory kit are:

*   an 8202A RAM Controller integrated circuit

*   a Bus Controller "Piggy-Back" assembly (PWA 123605)

*   four 2716 EPROMs (containing enhanced IOC firmware) with the

    following part numbers:

                        104593-001
                        104593-002
                        104593-003
                        104593-004

IPC MODIFICATIONS

To determine if any components need to be replaced on the IPC assembly, power down the development system and remove the IPC assembly from its top slot in the mainframe chassis. Refer to the illustration on the following page for component location.


121715-001 Rev. A

A1
7406

A2
74LS240

J1

A11
2117-3

A12
2117-3

A13
2117-3

A14
2117-3

A15
2117-3

A16
2117-3

A17
2117-3

A27
2117-3

A28
2117-3

A29
2117-3

A30
2117-3

A31
2117-3

A32
2117-3

A33

A45
7406

A46
74LS04

A47
74LS393

A48
74S32

A49
2117-3

A50
2117-3

A51
2117-3

A52
2117-3

A53
2117-3

A54
2117-3

A5
2117-3

A57
74S00

A58
2117-3

A59
2117-3

A60
2117-3

A61
2117-3

A62
2117-3

A63
2117-3

A64
2117-3

A73
8224

A112
74S04

VR-1

A77
74S240

A78
74LS244

A74
7438

A75
74LS20

A76
8202

A95
74S37

A96
8219

A97
74S240

A98
8283

A99
8283

A100
74S373

A47

A76

A96

P1

8202A RAM Controller

If the RAM controller integrated circuit installed in the socket
at location A76 is an 8202 (without an "A" suffix), this integrated
circuit must be replaced with the 8202A supplied in the accessory kit
package. To remove the 8202 from the IPC, insert the blade of a small
screwdriver between the integrated circuit and socket at one end and
gently pry the circuit up slightly. Insert the blade from the other
end and again pry gently. Continue to pry from each end until the
integrated circuit is free of the socket (the 8202 can be discarded).

Align pin 1 of the 8202A with pin 1 of its associated socket and
push the integrated circuit down into the socket with firm, even
pressure. Once the pins start to enter the socket, check to be sure
that no pins have been bent before pushing the circuit completely down.

Bus Controller "Piggy-Back" Assembly

If a single 8219 Bus Controller integrated circuit is installed in the socket at location A96, the integrated circuit must be replaced with the "Piggy-Back" assembly included in the accessory kit. Remove the 8219 from its socket as previously described (the 8219 can be discarded) and insert the "Piggy-Back" assembly into the socket. Note that when correctly oriented, the two TTL integrated circuits on the assembly will be facing the IPC assembly's P1 connector as shown in the following illustration. When inserting the "piggy-back" assembly, make sure that the pins on the bottom of the assembly are properly aligned with the socket.
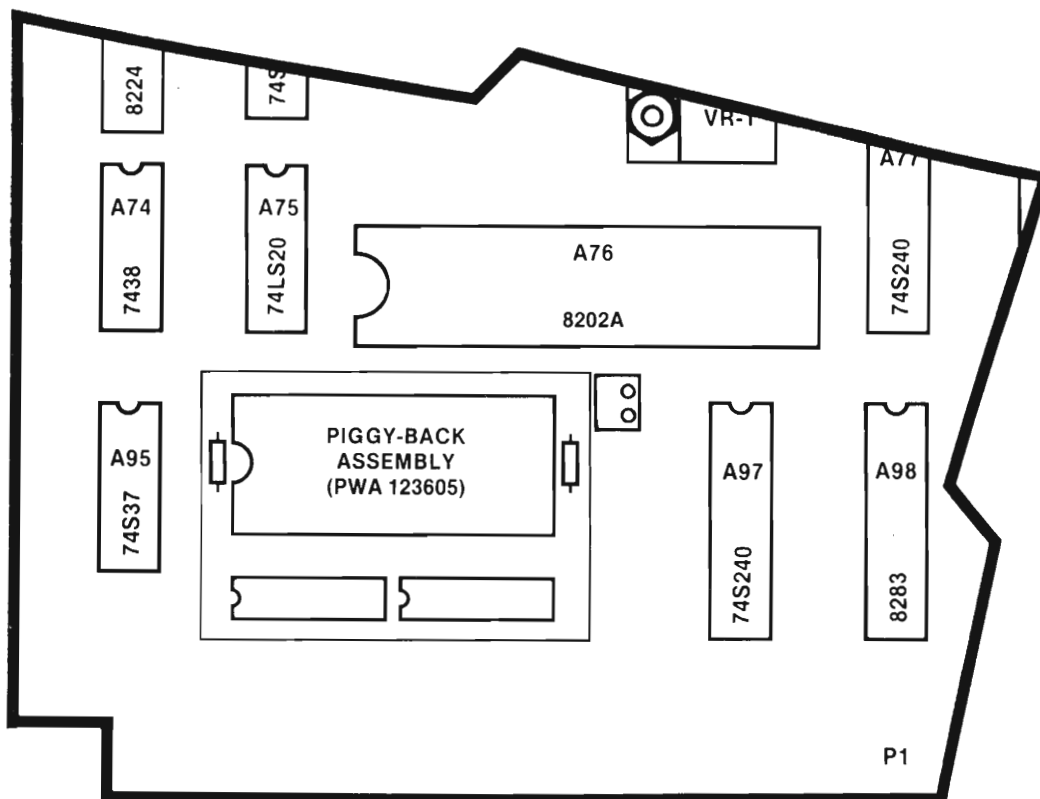
74LS393 Counter

While the IPC assembly is removed from its chassis, verify that the integrated circuit at A47 is a 74LS393 manufactured by Texas Instruments. If an LS device is not installed or if the device is not manufactured by Texas Instruments (all Texas Instruments integrated circuits carry the "map-of-Texas" logo), contact your nearest Intel Repair Center to arrange board replacement.

IOC MODIFICATIONS

The four 2716 EPROMs and the associated "IOC Firmware Enhancement Kit Installation Instructions" (Manual Order No. 121637-002) included in this accessory kit are equivalent to Intel's Model 510 IOC Firmware Enhancement Kit. If an IOC enhancement kit has not been installed in your Series II, replace the existing EPROMs in location A50 through A53 on the IOC assembly with the EPROMs provided. You may install these components yourself by following the Model 510 installation instructions or, if you prefer, you may contact the nearest Intel service center to arrange installation by qualified Intel service personnel.
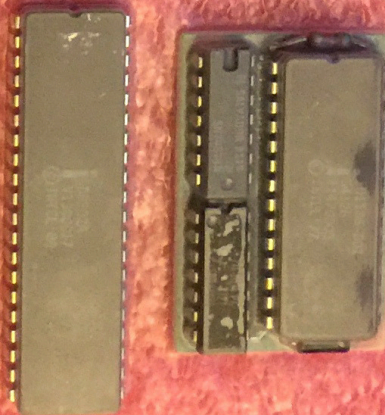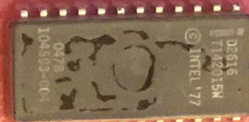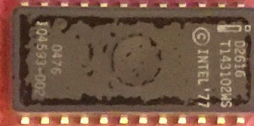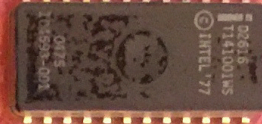
intel

Dear Customer:

In keeping with
Intel microcomputer
may be necessary to
Series III environm
several components
components on both
IOC (input/output c
II development syst
kit are:

* an 8202A RAM

* a Bus Contro

* four 2716 EP

    following pa

IPC MODIFICATIONS

To determine if
assembly, power dow
assembly from its t
illustration on the

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D2616
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© INTEL '77
0478
104593-004

D2616
T143103WS
© INTEL '77
0477
104593-003

D2616
T143102WS
© INTEL '77
0476
104593-002

D2616
T141001WS
© INTEL '77
0475
104593-001